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The "Bush Bike" was built at the request of the Republican National Committee for the use of The President of the United States of America.

Desperado Motorcycles
Jeff Nicklus Signature Series
Powered by Ultima®

★ This motorcycle is destined for the Bush Presidential Museum

★ The First Motorcycle ever built for the expressed purpose of being used in a Presidential Re-Election Campaign.

★ It is the First Motorcycle to appear at a Political Convention

★ It is the First and only Motorcycle that has the autographs of the persons who held a specific office or position at the time of the Presidential Re-Election Campaign of 2004

Our thanks to Master Bike Builder:
Jeff Nicklus



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www.desperadomotorcycles.com
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ELECTRICAL 1
All electrical parts and accessories including headlight and taillight brackets, license plate holders, and horns.

FRAME AND BODY 2
Custom frames, hardtails, struts, foot pegs, fenders, shocks, motor mounts, side stands, highway bars and footboards.

FRONT END 3
Custom and stock replacement front ends, and all the parts you need with the above from top tree to, but not including, axle.

HANDLEBAR/CONTROL 4
Handlebars, risers, hand and foot controls for clutch, brake levers, shifters, throttles, mirrors, all gauges, fittings, and housings, controls, speedometer, tachometer, cables and hoses.

TIRES, WHEELS & BRAKES 5
Tires, tubes, rim strips, stock and custom wheels, axles, brakes and all parts you need for the above.

ENGINE 6
All parts on and in engine except electrical, ignition and transmission.

DRIVE 7
Everything from the engine to the rear wheels, including transmission, shifter, kickstarter, clutch, drive chain, chain adjuster, sprockets, belt drives, chain covers, chain guards, belt guards, and all the related parts.

GAS / AIR / OIL 8
All parts from, and including, tanks or air cleaners to the engine. Including gas tanks & all attached parts, carburetor parts, rebuild kits, manifolds, air filters, oil tanks & all attached parts, oil filters, oil lines, oil pressure gauges, oil temperature gauges and oil coolers.

IGNITION 9
All ignition parts and accessories including magnetos, coils, contact points, condensers, tune up kits, distributors, and spark plugs.

EXHAUST 10
All exhaust system parts from the engine out.

SEAT / SISSY BAR 11
All seats and sissy bars and related items.

TOURING 12
Security, safety, saddlebags, windshields, helmets and clothing items.

CHEMICAL / SHOP / TOOL 13
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ELECTRICAL



ELECTRICAL PARTS & ACCESSORIES INCLUDING HEADLIGHT & TAILLIGHT BRACKETS, LICENSE PLATE HOLDERS, & HORNS.

1 A. *THUNDERVOLT® BATTERIES*

Maintenance-free 12V motorcycle batteries featuring gas recombination technology. These 20 amp hour batteries have 270 cold cranking amps producing a high rate of discharge current, giving consistent starting and excellent reserve capacity. SOLD EACH



PART NO.	APPLICATION / YEARS	OEM NO.	JIS NO.	VOLTS	COLD CRANK AMPS	AMP HOURS	LENGTH	WIDTH	HEIGHT	ASSY
STANDARD BATTERIES										
1-97	FL & FLH models 1965/1984. Sportster® models electric start 1967/1978, except XLCR.	66007-84	YHD-12	12	240	28	8-1/8"	5-1/4"	6-1/2"	
1-33	FX & XL models (kickstart only) 1970/1978.	66006-70	12N7-4A	12	74	7	5-5/16"	3"	5-1/4"	
1-76	FX models (electric start) 1973 & later. FXR models 1982 & later. Softail® models 1984/1990. Sportster® 1979/1996. XLCR 1977 & 1978.	65991-75C	YB16-B	12	240	19	6-7/8"	4"	6-1/8"	
1-67	FLT, FLHT & FLHR models 1980/1996.	66010-82	Y50-N18L-A	12	260	20	8-1/8"	3-9/16"	6-3/8"	
1-98	All Softail® & Dyna® models 1991/1996.	65989-90A	YB16HL-A-LM	12	255	19	6-7/8"	4"	6-1/8"	
1-71	Custom 12V; use with early 6V style tanks.		12N5.5A-3B	12	60	5.5	4-1/16"	3-9/16"	4.5"	
LOW MAINTENANCE BATTERY										
	This battery fights sulfate crystal buildup on battery plates. Helps the battery last longer. This is the OEM equivalent for these model years.									
1-58	Softail® 1984 thru 1990. Electric start FX & FXR, 1973 thru 1994. XL 1979 thru 1996.	65991-82A	YB-16-B-LM	12	240	19	6-7/8"	4"	6-1/8"	
MAINTENANCE-FREE BATTERIES										
1-55	All Softail® & FXD models 1997 & later. XL models 883 & 1200 1997 & later. Buell S3, S3T Thunderbolt models 1997 & later. Buell X1 Lightning models 1999. Buell M2 Cyclone models 1997 & later.	65989-97	YTX20L-BS	12	270	18	6-7/8"	3-7/16"	6-1/8"	
1-56	FX models (electric start) 1971 & later. FXD models 1991/1996 **NOTE 1.** All Softail® models 1984/1990. XL models 1979/1996. Buell models 1987/1996.	66672-96	YTX20-BS	12	270	18	6-7/8"	3-7/16"	6-1/8"	
1-110	Custom application. This is a very small battery; excellent for use where space or height is an issue. See example photo above.	N/A	YTZ14S	12	230	11	6"	3-7/16"	4-3/8"	
1-57	FLH & FLHT models 1997 & later.	66010-97A	YTX30-L	12	335	30	6-9/16"	5"	6-7/8"	
1-115	XL & XLH (Sportster®) models 2004 & later.	65958-04	YTX14L-BS	12	200	12	6"	3.4375"	5.75"	
1-117	YTX16-BS			12	230	14	6"	3.4375"	6.375"	- +
1-120	YB12A-A			12	–	–	5.3125"	3.1875"	6.3125"	+ -

NOTE 1: Requires use of below battery installation kit for Dyna Glide® models 1991 thru 1996.

A. *THUNDERVOLT® AGM BATTERIES*

Ultima®'s AGM Thundervolt® batteries are the highest performance batteries we offer today! These are an industry first, with a direct fit aftermarket replacement for OEM# 65989-97A. These batteries provide some of the highest power ratings available in the Aftermarket.

FEATURES:

- Patented post design reduces internal battery resistance by replacing 3 internal connections with 1.
- Flush mount, threaded terminals allow for easy connection to bike terminals.
- Nonspillable, sealed AGM Valve Regulated Lead Acid (VRLA) design is maintenance free and meets all requirements for shipment via air carrier.
- Rugged construction has been lab tested and field tested to ensure long life, even in demanding V-Twin applications.
- Higher AH capacity than OEM means more starting capacity before wearing battery down, particularly useful for those stubborn steeds.
- Manufactured by an ISO 9001:2000 registered factory
- Patented Cast-On-Stip (COS) manufacturing technology ensures consistent long battery life.

A



1-140

Ultima® Part No.	OEM Part No.	Applications
1-140	65989-97B	Softail® 1997/later, XL 1997/2003, Dyna® 1997/later, VROD (except VRSCR) 2007/later
1-141	66007-84	FL & FLH models 1965/1984. Sportster® models electric start 1967/1978, except XLCR.
1-142	66010-97B	FLH, FLT 1997/later
1-143	65958-04	XL models 2004
1-144	65989-90B	Dyna® & Softail® models 1991/1996
1-145	65991-82B	Electric start FX and FXR 1973/1994; XLCR 1977/1978, XL models 1979/1996; Softail® models 1984/1990; FXR models 1999/2000
1-146	66010-82B	FLHR, FLHT, and FLT Touring models 1980/1996
1-147	65948-00	VRSC models 2002/2006, VRSCR 2007
1-148	66006-70	FX & XL models (kickstart only) 1970/1978.

1-150 V-Twin Terminals. Replacement terminals & screw for above battery. Except **1-148** & **1-141**.

C. *BATTERY TENDER*

Battery Tender Plus is a 1.25 amp battery charger without the damaging effects of a trickle charger. Includes quick-connect harness for hard-to-reach areas. Requires 115 VAC.

1-105 Battery Tender Plus; 12V @ 1.25A. SOLD EACH

Battery Tender Junior. High efficiency California & Oregon compliant. Includes ring terminals and alligator clips with BLACK QDC.

1-104 Battery Tender Junior; 12V @ .750 A. SOLD EACH

C



1-105



1-104

1

A



A. *MOTORCYCLE JUMPER CABLE*

The answer to starting that bike with a dead battery & no kick starter. This set of heavy duty cables measures over 5 feet long and is still compact enough to carry with you.

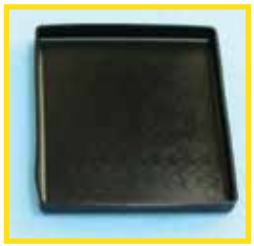
97-5 Jumper cables. SOLD EACH

B

78-3



78-1



B. *BLACK RUBBER BATTERY TRAYS*

Custom black rubber battery trays available in 2 sizes.

78-1 Black NBR rubber battery tray, 6.40" x 7.15". SOLD EACH
78-3 Black NBR rubber battery tray, 4.00" x 8.00".

C



CHROME PLATED

C. *BATTERY CARRIER & STARTER MOTOR BRACKET FOR FXE*

14-26 Fits FXE 1973 thru 1984. OEM 66225-73. SOLD EACH

D



BLACK NEOPRENE FOAM

D. *BATTERY COMPARTMENT CUSHION KITS*

Cushion kit is ideal for battery boxes & custom oil tanks. Pure neoprene closed cell foam rubber is non-absorbent & comes with adhesive backing. This cushion keeps vibration, the main cause of cracked batteries, to a minimum.

78-173 5" x 8" For FLH 1965 thru 1984 or cut to size. SOLD EACH
78-217 4" x 6-1/2" For FXE 1973 thru 1984.

E



E. *BATTERY CUSHION FOR SOFTAIL®*

Fits 1985 & later Softail® oil tanks. Molded rubber. Will work on all years Softail®.

78-322 Battery cushion. OEM 66210-85B and OEM 66210-97. SOLD EACH

F



CHROME PLATED

F. *BATTERY TRAY MOUNT*

Chrome plated battery tray mount.

14-28 Fits FLH 1965 thru 1986. Replaces OEM 66212-65. SOLD EACH

G



G. *BATTERY ACID CATCH TANKS*

Protects chrome and paint from battery acid discharged from the vent tube. Easy to install on any model. Several types to choose from. Economical plastic catch tank with tie wraps for mounting and vent tube.

1-15 Battery acid catch tank. SOLD EACH

H

89-3



ALL PARTS CHROME PLATED

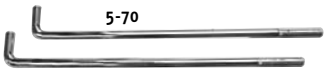
H. *BATTERY PLATES, PADS, RODS & BRACKETS*

For H-D® Big Twin 1937 thru 1964. All parts chrome plated.

89-3 Battery cover. OEM 66373-36. SOLD EACH
5-72 Plate & fender bracket. OEM 62585-36. SOLD EACH
89-36 Battery/oil tank plate. OEM 62575-36. SOLD EACH
5-70 Battery rods. OEM 66390-36. SOLD AS PAIR



5-72



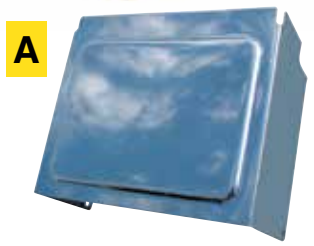
5-70

89-36



A. *BATTERY COVER FOR FXD*

89-501 For FXD 1997 & later. Replaces OEM 66375-99. SOLD EACH



B. *WRAP AROUND BATTERY COVERS*

89-35 For electric start Super Glide® 1973-1986 except FXR & FXRS, also Sportster® 1982-2003. Plain. SOLD EACH

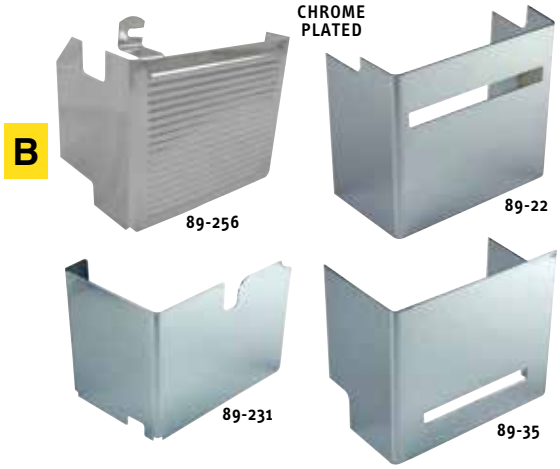
89-255 Fits FL, FLH, FLH-80, Classic, 1970-later. Ribbed. OEM 66378-70.

89-22 For BSA/Triumph, Sportster® XLCH (kickstart) 1970 thru 1978, and Super Glide® kickstart. Plain.

89-143 For Sportster® 1980 & 1981. Plain.

89-231 For early XLH, and Sportster® electric start, 1967 thru 1978. OEM 66379-67. Plain.

89-256 Same application as above part No. **89-231** except ribbed.



C. *BATTERY STRAPS*

Part No. **5-129** & **5-220** are made of black rubber. The other straps are manufactured to meet or exceed H-D® specifications from 18 gauge stainless steel with plated eye bolts to prevent rust. SOLD EACH

5-30 1967 Thru 1978 XLH & Sportster®. OEM 66470-67.

5-31 1970 And later FLH, FL & H-D® 74". OEM 66383-70.

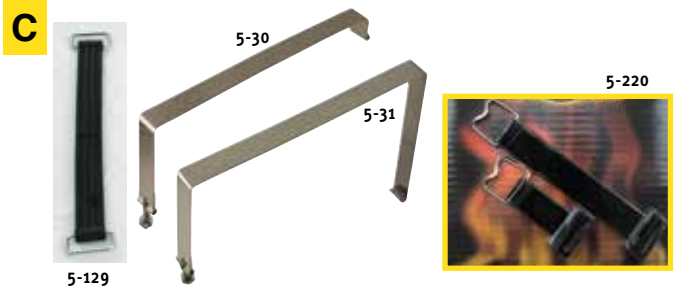
5-32 1970 And later XLCH & FX. OEM 66470-70.

5-33 1973 And later all FX, electric start and 883cc, 1100cc & 1200cc Evolution®. OEM 66476-73.

5-129* 1984/1991 FXST & FLT and 1979 Sportster®. OEM 66105-77.

5-220* 1992/1999 Softail®. 2 Piece. OEM 66109-93 & 66111-93.

*Part No. **5-129** & **5-220** are interchangeable.



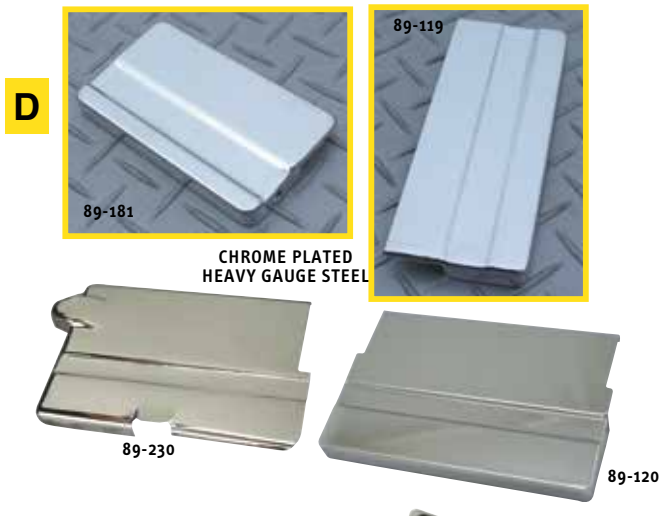
D. *BATTERY TOP COVERS*

89-120 For FL and FLH. OEM 66370-65. SOLD EACH

89-119 For FXE, FXS, FXEF & Low Rider®, also 883cc 1100cc & 1200cc Evolution®. OEM 66367-73.

89-181 All FX & Sportster® 1970 thru early 1978. Kick start only. OEM 66369-70.

89-230 For XLH 1967 thru 1978. OEM 66369-67.



E. *BATTERY CARRIER TRAYS*

Replacement battery carrier complete with battery pad, rubber mounting studs, brackets. Hardware included with kits except for part No. **14-23**.

14-20 Fits FL 1974 thru 1979. OEM 66204-74. SOLD AS KIT

14-21 Fits FXE 1973 thru 1983. OEM 66191-73.

14-23 Fits XLH 1967 thru 1977. OEM 66205-75. No hardware included.



1

ULTIMA® PREMIUM BATTERY CABLES

GET THE MOST FROM YOUR STARTER AND BATTERY WITH ULTIMA® CABLES



Check out our new line of premium battery cables!
Available in clear braid & clear smoked.

- Super flexible multi-stranded therefore not affected by V-twin vibration.
- Pure oxygen free copper stranding individually tinned preventing corrosion.
- Heavy duty copper lugs silver plated for long lasting trouble free connections.
- Minimum voltage drop for sure starting.

A. ULTIMA® CABLE SETS

SMOKE PART NO.	CLEAR PART NO.	YEAR	GROUND LENGTH	BATTERY TO SOLENOID / STARTER	SOLENOID TO STARTER
ALL FLH & FLT DRESSER MODELS					
18-701	**18-731**	1965 / 1979	9"	16"	16"
18-702	**18-732**	1980 / 1988	9"	30"	30"
18-703	**18-733**	1989 / 1992	33"	33"	—
18-704	**18-734**	1993 -LATER	13"	14"	—
ALL FXST & FLST SOFTAIL®					
18-705	**18-735**	1984 / 1988	8"	17"	15"
18-706	**18-736**	1989 / 2001	10"	12"	—
18-707	**18-737**	1989 - LATER	10"	14" X-LONG	—
ALL FXR LOW RIDER®					
18-708	**18-738**	1982 / 1988	12"	16"	16"
18-709	**18-739**	1989 - LATER	12"	16"	—
ALL FXD DYNA®					
18-710	**18-740**	1991 / 2002	10"	15"	—
18-711	**18-741**	2003 - LATER	15"	16"	—
ALL SPORTSTER®					
18-712	**18-742**	1981 - LATER	11"	16"	—

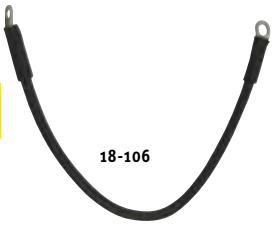
B. SHOP PAKS

Includes 1 of each cable above.
18-199 Clear SOLD AS PKG.

C. ULTIMA® INDIVIDUAL CABLES — SOLD EACH

END LUG SIZES		8"	9"	10"	11"	12"	13"	14"	15"	16"	17"	30"	33"
1/4" and 5/16" lugs	SMOKE	**18-713**	**18-714**	**18-715**	**18-716**	**18-717**	**18-718**	**18-719**	**18-720**	**18-721**	**18-722**	**18-723**	**18-724**
	CLEAR	**18-743**	**18-744**	**18-745**	**18-746**	**18-747**	**18-748**	**18-749**	**18-750**	**18-751**	**18-752**	**18-753**	**18-754**
1/4" and 3/8" lugs	SMOKE									—	—	**18-727**	
5/16" and 3/8" lugs	SMOKE								—	—		**18-730**	
	CLEAR									—		**18-760**	

D



D. ELECTRIC CABLES

POSITIVE BATTERY CABLES SOLD EACH

18-106 Battery positive terminal cable for Super Glide®, all models 1971 thru 1981. Measures center to center 16-3/4". Cable end holes are 3/8" & 5/16". OEM 70069-65A.

18-107 Battery positive terminal cable for Sportster® 1975 thru 1977. Measures center to center 13". Cable end holes are 3/8" & 5/16". OEM 70097-75.

NEGATIVE BATTERY GROUND STRAP/CABLE

18-108 Ground cable for FL & FLH, 1965 thru 1978. Measures center to center 9-1/4". Cable end holes are 3/8" & 5/16". OEM 70209-65. SOLD EACH

A. *ULTIMA® PLUS ELECTRONIC WIRING SYSTEM*

The newest version of Ultima®'s complete wiring systems. This one is even smaller & more advanced, includes everything needed for installation. Measures 1-13/16 x 3-7/8 x 1. Instructions included and available online @ www.ultimaproducts.com.

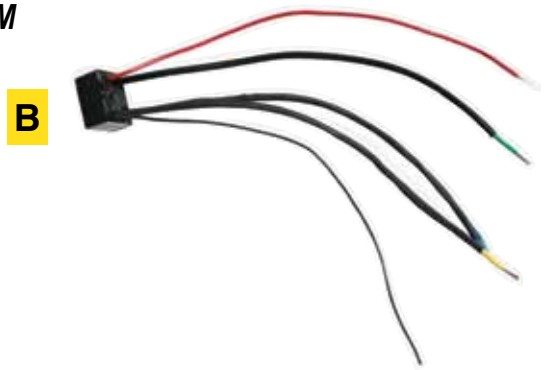
18-533 Complete kit. SOLD AS KIT



B. *ULTIMA® SIMPLE WIRING MODULE*

Ultima®'s simple wiring module was designed to help simplify wiring when only the bare necessities are needed. No larger than a standard starter relay, the module provides 30 amps secondary protection to the motorcycle's electrical system. Has a built-in starter relay. Allows usage of a low amperage ignition switch. Has diagnostic L.E.D.s for ignition and start circuit. Compatible with electronic compression releases. Instructions included and available online @ www.ultimaproducts.com.

18-536 Ultima® Simple Wiring Module. SOLD EACH



C. *ULTIMA® COMPLETE ELECTRONIC WIRING SYSTEM*

This wiring system uses all the latest high tech electronics to make wiring your bike easier. All flasher, relay & circuit interrupters are included in one small package that can be mounted in a wide variety of locations. This module and its plugs are waterproof and LED's are used to troubleshoot problems. Kit includes all wires, connectors, module & heat shrink tubing. Instructions included and available online @ www.ultimaproducts.com.

18-530 Ultima® wire harness kit. SOLD AS KIT

18-531 Indicator light harness for above part No. **18-530** wiring system. 6 Ft. long; can be cut to desired length. SOLD EACH

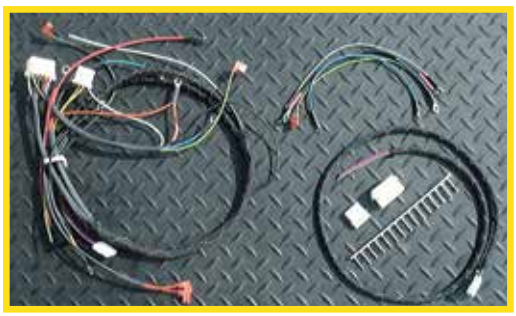
18-535 Replacement starter/headlight relay. SOLD EACH



D. *ULTIMA® CUSTOM WIRING HARNESS FOR BIG TWIN CUSTOMS*

This wiring harness is perfect for custom motorcycles using 1985 thru 1995 or 1996 & later handlebar controls. Harness is a complete main wiring harness and installs easily for a clean, custom look. Harness is complete to include starter relay, turn signal flasher, circuit breakers and all necessary pin connectors to install with either 1985 thru 1995 or 1996 & later handlebar controls. Use this kit with handlebar wiring harness part No. **18-230**, **18-231**, **18-332** and **18-331**.

18-346 Complete custom main wiring harness. Fits custom FX models 1985 & later. SOLD AS KIT



RIGHT H-BAR GROUND IS MAIN GROUND

1

A



18-338



18-339

B



C



18-275



18-230



18-331

A. *DASH LIGHT COMPONENTS*

SOLD EACH

18-338 Panel for incandescent dash mounted lights.
18-340 Harness; 16" long for above dash panels.
18-339 Harness; 6' long for handlebar mounted indicator lights.
18-535 Replacement starter relay

B. *EXTENDED WIRING HARNESSES*

12" extended wiring harness for handlebars. Color coded. Kit includes connectors and clips.

18-104 Fits 1973 thru 1981. SOLD AS KIT
18-222 Fits 1982 thru 1990.

C. *HANDLEBAR WIRING HARNESS KIT*

Handlebar wiring harness kits come 48" long with color coded wires and cover sheath. Switches are attached for both right and left sides.

Fits Big Twin 1972 thru 1981 and Sportster® 1973 thru 1981.
18-275 With Black switches. SOLD AS KIT

Fits Big Twin and Sportster®, 1982 thru 1995.
18-230 With Black switches. SOLD AS KIT
18-231 With Chrome switches.

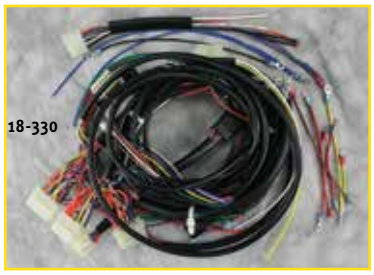
Fits Big Twin and Sportster®, 1996 & later.
18-332 With Black switches. SOLD AS KIT
18-331 With Chrome switches.

D. *WIRING HARNESSES FOR LATE MODEL FX*

U.S.A. MADE. If you're building from the ground-up or replacing stock wiring, these kits are the hot ticket. Connectors, wire lengths, and wire color codes are just like stock. Kits include main harness, handlebar wiring, rear lamp wiring, and dash harness where applicable.

18-333 For FXST 1989 thru 1990. SOLD AS KIT
18-330 For FXST 1991 & 1992.
18-335 For FXST 1993 thru 1995.
18-336 For FXR/S 1989 thru 1990, without dash.

D



18-330



18-333

A. *WIRING HARNESSES*

U.S.A. MADE stock length black harnesses come in kit form and includes main wiring harness for each model. Color coded with pre-attached wire ends.

BIG TWIN

18-187	For 1948 thru 1957 WL, UL, FL and FLH. OEM 70321-48.	SOLD AS KIT
18-188	For 1958 thru 1964 FL and FLH. OEM 70321-58.	
18-189	For FLH 1965 thru 1969. OEM 70321-65.	
18-190	For FLH 1970 thru 1972. OEM 70320-70.	
18-191	For FLH 1973 thru 1977. OEM 70320-73.	
18-258	For FLH 1978 & 1979. OEM 70320-78.	
18-259	For FLH 1980 thru 1984. OEM 70320-80.	
18-192	For FX 1970 thru 1972. OEM 70326-70.	
18-193	For FX 1973 thru 1977. OEM 70326-73.	
18-260	For FXWG 1980 thru 1985. OEM 70214-80A.	
18-264	Turn signal wiring kit for FL & FLH, 1957 thru 1969.	SOLD AS KIT

SPORTSTER®

18-261	For 1968 & 1969 XLH electric start.	SOLD AS KIT
18-262	For 1970 thru 1972 XLH electric start.	
18-263	For 1975 & 1976 XLH electric start.	
18-265	XLH auxiliary wiring harness for use in conjunction with above main harnesses. For headlight, taillight, handlebar switches,etc.	SOLD AS KIT

A


18-187


18-260

B. *HANDLEBAR CONTROL SWITCHES FOR BIG TWIN & SPORTSTER® 1982 THRU 1995 AND 1996 & LATER*

Switch assemblies with color coded wire already soldered for easy installation. Available in factory color black or chrome style.

1982 THRU 1995

CHROME	BLACK	OEM NO.	DESCRIPTION
17-91	**17-95**	71589-92	Engine run/off, starter.
17-92	**17-96**	71591-92	Right turn switch.
17-93	**17-97**	71597-92	High/Lo, horn.
17-94	**17-98**	71599-92	Left turn switch.

1996 & LATER

CHROME	BLACK	OEM NO.	DESCRIPTION
	17-100	71590-96	Handlebar stoplight switch.
17-101	**17-105**	71589-96	Engine run/off, starter.
17-102	**17-106**	71591-96	Right turn switch.
17-103	**17-107**	71597-96	High/Lo, horn.
17-104	**17-108**	71598-96	Left turn switch.

SOLD EACH

B


17-91


17-96


17-97


17-94


17-106


17-101


17-103

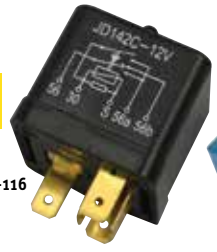

17-108

C. *HEADLIGHT RELAY*

Allows the use of a 1-wire (horn button). type switch to operate high/low beam headlights on 12V systems. Perfect for custom handlebar switch set-up.

17-116	Headlight relay.	SOLD EACH
39-152	Headlight relay for 00'-03' FLT, 00'-09' Dyna® & Softail®. OEM 31522-00/00B/00C.	
39-153	Headlight relay for 05'-08' Sportster®. OEM 31601-04.	

C



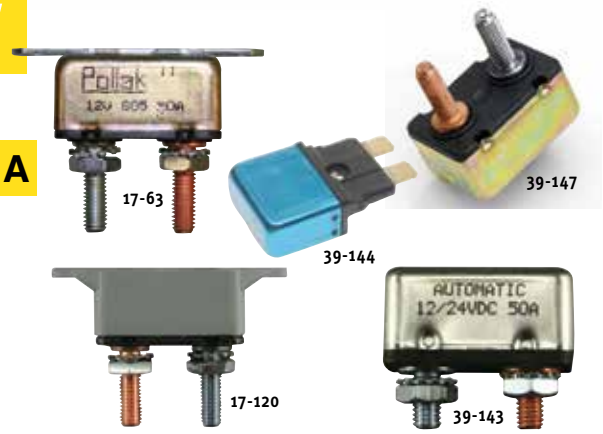
17-116


39-153


39-152

1

A



B



C



D



E



F



G



G. *CIRCUIT BREAKER MOUNT BRACKET*

U.S.A. MADE rugged steel bracket with detents permit simple snap-in of circuit breakers. Holds two breakers. A must for the custom builder. Cad plated for rust-free long wear.

17-80 Circuit breaker mount bracket. SOLD EACH

A. *CIRCUIT BREAKERS TYPE 1 CYCLING - AUTOMATIC RESET*

NOTES: PLASTIC VS METAL
Vibration...Plastic housings with mounting brackets are one-piece molded designs and are less prone to vibration. Metal housings with brackets are two-piece designs. The bracket is attached by spot welding and can be loosened by vibration.
Shorting Out...If a wire should loosen from a terminal on a plastic housing version, it will not short out against the housing as it may do with a metal housing.
Weight...The plastic housing is also lighter than the metal housing.

The following part numbers include single **U.S.A. MADE** circuit breaker with mounting bracket. SOLD EACH

METAL PART NO.	DESCRIPTION	PLASTIC PART NO.
17-78	Circuit breaker; 15 amp.	**17-120**
17-63	Circuit breaker; 20 amp.	**17-121**
17-79	Circuit breaker; 30 amp.	**17-122**

U.S.A. MADE circuit breakers for use with snap-in bracket (see right).

METAL PART NO.	DESCRIPTION
17-76	Circuit breaker; 15 amp. OEM 74589-73.
17-77	Circuit breaker; 20 amp.
17-62	Circuit breaker; 30 amp. OEM 74599-77.
39-143	Circuit breaker; 50 amp; 94'-96' XL, Sportster®. OEM 74600-94.
39-144	Circuit breaker; 15 amp; 94'-97' XL, 94'-96' FLT, 96'-99' Softail® & Dyna®. OEM 74587-94.
39-147	Circuit breaker; 40 amp; 97'-05' FLT. OEM 74600-97.

B. *FLASHER*

17-125 12V Rectangular flasher. For XL 1965 & later, FL 1965 thru 1984, FLT 1980 & later, FX 1971 & later and FXR 1982 & later. SOLD EACH

C. *ELECTRICAL RELAY*

Heavy duty multi use 14VDC electrical relay. Fits Big Twin & Sportster® models and custom applications.

53-695 Multi use electrical relay 14VDC. OEM 31504-91A. SOLD EACH

D. *MINI RELAY*

This mini relay can be used as a starter or headlight relay. Replacement relay for Ultima® and other aftermarket wiring modules.

18-535 Replacement starter/headlight relay. SOLD EACH

E. *TERMINAL BLOCK*

This **U.S.A. MADE** terminal block is another trick item for custom bikes that gives the wiring job a professional look. Available with 4 terminal studs. 10 - 24 Thread for long life. ABS base for rugged use.

17-81 Terminal block, 41/2" long. SOLD EACH

F. *ELECTRICAL TERMINAL BOX ASSEMBLY*

This quality reproduction terminal box is available pre-assembled, painted black & ready to install. They are properly insulated to eliminate grounding and include all necessary mounting hardware. The installation of this box and a new wire harness is a must when restoring the electrical system on Big Twins and 45", 1948-1969.

17-99 Terminal box assembly. SOLD AS KIT

A. *FUSE HOLDER*

18-18 **U.S.A. MADE** fuse holder. Complete with 6" of 16 gauge wire looped, and 20 amp fuse. SOLD EACH

B. *HEAT SHRINK TUBING*

This **U.S.A. MADE** insulation tubing is the only thing to use for safe, clean, custom wiring jobs. Cut to length, thread your wires, carefully apply heat and watch what happens. The insulation shrinks to a perfect custom fit around your wires. Easy to use. Available in bulk or precut lengths.

18-91 1/4" x 5' Tubing. SOLD EACH
18-93 3/8" x 5' Tubing.
18-92 1/4" x 50' Tubing.
18-94 3/8" x 50' Tubing.

C. *WATERPROOF FUSE HOLDER*

Ideal waterproof **U.S.A. MADE** fuseholder. Designed for applications where moisture is a problem. Cap has positive snap action for tight fit. 4" Leads (12 gauge). For mini fuse only. Fuses available separately below.

18-19 Waterproof fuse holder. SOLD EACH

Replacement mini fuse. Fits above part No. **18-19** waterproof fuse holder.

18-20 15 Amp fuse. SOLD EACH
18-21 20 Amp fuse.
18-23 30 Amp fuse.

D *CABLE TIES*

These **U.S.A. MADE** cable ties are made from a weather resistant UV black nylon.

18-12 7" Cable tie; solid type. Black. SOLD EACH
18-14 11" Cable tie; solid type. Black.

Made from weather-resistant UV chrome nylon. Available in three different lengths.

18-325 4" Long tie. Chrome. SOLD EACH
18-326 8" Long tie. Chrome.
18-327 12" Long tie. Chrome.

CHECK QTY. DISCOUNT FOR BEST PRICE

E. *PRIMARY WIRE (16 GAUGE)*

U.S.A. MADE black vinyl covering resists corrosion, abrasion, oil, etc. Easily pulled through tight spaces. Heavy 16 gauge, not the light 18 gauge wire.

18-2 100 Foot roll. SOLD AS ROLL

F. *GORILLA CYCLE ALARM*

Designed just for motorcycles, with the protection to keep your bike safe from theft 24 hours a day. Press the transmitter button and guard against hot wiring, lifting, or rolling your bike away.

Installs in minutes with no special tools. Simple Direct-to-Battery™ wiring takes less than 20 minutes. Ultra compact size 3" x 3.5" x 1.75" and is perfect for both stock and custom bikes where space is limited. Compatible with all motorcycle electrical systems and will not drain the battery even over long periods of storage. SOLD EACH

102-27 Cycle alarm with remote transmitter Model #7007

A



B



C



18-19



18-20

D



E



F



1

ULTIMA

A

A. *CHROMED ALUMINUM HEADLIGHTS WITH OR WITHOUT TRI BAR*

Our chromed aluminum spun headlights are a great choice for your bike. They come with or w/o a visor, with tri-bar, H4 55/60 W bulb and are available in several styles and sizes. SOLD EACH


8-20


8-331


8-335


8-332


8-21


8-431


8-334


8-333

4-1/2" DIA. • 6-3/4" LENGTH

8-20 Headlight w/round visor, tri bar.
8-331 Headlight w/point visor, tri bar.
8-431 Headlight w/point visor, plain.
8-332 Headlight no visor, tri bar.

5-3/4" DIA. • 9-1/2" LENGTH (LONG BODY)

8-21 Headlight w/round visor, tri bar.
8-41 Headlight w/round visor, plain.
8-333 Headlight w/pointed visor, tri bar.

5-3/4" DIA. • 8-1/2" LENGTH (SHORT BODY)

8-335 Headlight w/o visor, tri bar.
8-435 Headlight w/o visor, plain.
8-334 Headlight w/visor, tri bar.

5-3/4" DIA. • 6-3/4" LENGTH (CUSTOM TYPE)

8-251 Headlight w/o visor.
8-252 Headlight w/visor.

7" DIA. • 8-1/2" LENGTH (SHORT BODY)

8-477 Headlight w/visor, tri bar.
8-478 Headlight w/visor, plain.


8-478


8-252


8-251

ULTIMA

B

B. *BLACK HEADLIGHT ASSEMBLIES*

Our black headlights are constructed of top quality spun aluminum and are a great choice to enhance the look of your bike. They come with H4 55/60 W bulb and are available in several styles and sizes. Semi-gloss, granular finish.

8-30 Black headlight, tri bar, bullet, 4-1/2".
8-31 Black headlight, tri bar, bullet, 5-3/4".
8-32 Black headlight w/round visor, 5-3/4".
8-33 Black headlight stretched, 5-3/4".


8-30


8-32


8-31


8-33

A. *REPLACEMENT HEADLAMPS*

Replacement headlamps, H4 55/60W bulb included, available with or without tri bar.

4-1/2" DIAMETER

8-436 Lamp unit, tri bar. SOLD EACH
8-437 Lamp unit, plain.

5-3/4" DIAMETER

8-438 Lamp unit, tri bar. SOLD EACH
8-439 Lamp unit, plain.



B. *PROJECTION BULLET STYLE HEADLIGHTS*

Chromed aluminum projection headlights are 4-1/2" in dia., 8" long, H1-75 W, Single Beam (Hi or Low). SOLD EACH

8-336 Projection bullet style headlight, w/o visor.



C. *CHROME HEADLIGHTS*

Chromed aluminum headlights are w/o tri-bar, 3-1/2" in dia, 5-1/2" long, 12V H4-55/60W-hi and low Beam. SOLD EACH

8-339 Headlight w/visor.
8-340 Headlight w/o visor.



D. *4-1/2" LATE MODEL SPOTLIGHT*

A chrome plated reproduction of 1962 & later FL type spotlight. SAE Y97 approved with H3 12V, 55 watt halogen bulb. One wire lead.

8-194 4-1/2" Late model spotlight, OEM 68652-64B. SOLD EACH
6-48 Replacement bulb only.
8-144 Replacement composite light beam with 35/35 Watt bulb.



E. *'WAVE' HEADLIGHTS*

Bottom mount headlight has two H3 12V/55 w bulbs. The housings are hand polished and chrome plated. They are ECE approved for high beam and fog lamp. Measures 152mm x 70.4mm x 60.6mm.

8-315 Headlight with Clear lens. SOLD EACH
8-316 Headlight with Blue lens.



F. *5-3/4" HEADLIGHTS*

Classically styled 5-3/4" chrome headlights come completely assembled. Includes blue high beam indicator and mounting block. DOT 9809 approved. 12V; includes a 55/60 watt H4 bulb. Brighter is better!

8-195 Bottom mount headlight. SOLD EACH
8-196 Side mount headlight.



1



A. *7" CHROME HEADLIGHT*

Beautifully chromed 7" diameter headlight. OEM style, bottom mount FL style is perfect for restoration or custom FL applications. Includes H4 55/60 watt bulb. No high beam indicator. DOT 9913-A approved.

8-197 7" headlight. SOLD EACH
6-52 Replacement bulb only.

B. *4-1/2" MINI HEADLIGHT*

Chrome plated mini headlight designed for use on highway bars as additional lighting. 12V, 30 Watt sealed beam, Hi-Lo indicator light, and bottom mount are all included. Parts also available separately.

8-137 Complete headlight with sealed beam. SOLD EACH
6-55 12V Indicator bulb only.

C. *CHROME SPOTLIGHT*

The below lights with diamond cut reflectors have 35/35 Watt bulb.

8-144 Replacement composite light beam with 35/35 Watt bulb SOLD EACH

D. *BULLET STYLE HEADLIGHT & SPOTLIGHT WITH ACCENT LINES*

Chrome plated, 12V lights with bullet styling and ball mill style accent lines. 3/8-24 Bottom stud mount.

8-145 4.5" Spotlight. SOLD EACH
8-146 5.75" Headlight.

E. *SEALED BEAM HEADLAMPS*

"Hi-Lo" beam indicator light glows when high beam is on. 5.70" Diameter sealed beam.

8-16 12V Bottom mount sealed beam headlamp. Mounting bolt included. SOLD EACH
8-139 12V Bottom mount sealed beam headlamp with halogen motorcycle sealed beam.
86-69 Replacement chrome ring.
6-54 6V Replacement indicator bulb.
7-25 12V Replacement sealed beam. Clear, 5-3/4" Dia.
6-55 12V Replacement indicator bulb.

F. *5-3/4" STRETCHED HEADLIGHTS*

Complete stretched headlight shell assembly (less bulb) has a smooth contoured retaining ring and unique domed shape. Lights are sold **without** sealed beam. Parts also available separately.

8-151 For FXSTS Softail Springer® 1993 & later; stock replacement. SOLD EACH
8-152 For FXDWG, FXST & FXWG, 1980 & later and FXSTS 1988 thru 1992. With bates style tabs & mount block. Also for use on custom applications.

A. *SPOTLIGHT & BRACKETS*

Replacement spotlamp housing for OEM 68671-69. Used on 1965 & later Big Twin. Mounts like stock passing light.

8-138 Spotlamp with sealed beam. OEM 68671-69. SOLD EACH
8-95 Spotlamp housing only.

Spotlight mounting bracket sets. SOLD AS PAIR
11-54 For late FL, 1961 thru 1984. OEM 68603-62.
11-201 Springer style. For FLST 1984 & later. OEM 58092-87.



B. *SPORTSTER®/ SUPERGLIDE® STYLE HEADLIGHT*

8-78 Complete light without sealed beam for Sportster® 1954 thru 1973 and Super Glide® 1971 thru 1974. OEM 67733-72.
8-89 Complete light without sealed beam for Sportster® 1974 & later and Super Glide® 1975 & later. OEM 67743-75.



C. *7" FAT BOY® & HERITAGE® STYLE HEADLAMP*

Lamp is sold **without** sealed beam.

8-147 Headlamp for 1986 & later Fat Boy® & Heritage®. Replaces OEM 67789-91. Bottom mount — includes mounting block. SOLD EACH

ALSO PURCHASE

7-47 Sealed beam 12V. SOLD EACH
7-42 Sealed beam 6V.
7-45 Quartz unit 12V.
86-103 Mounting block kit (OEM 67768-86), and hardware.
86-104 Rim kit (OEM 68050-93, 68051-93, and three of 68052-93).



D. *REPLACEMENT HEADLAMPS*

Replacement headlamps, H4 55/60W bulb included, available with or without tri bar.

4-1/2" DIAMETER
8-436 Lamp unit, tri bar. SOLD EACH
8-437 Lamp unit, plain.

5-3/4" DIAMETER
8-438 Lamp unit, tri bar. SOLD EACH
8-439 Lamp unit, plain.

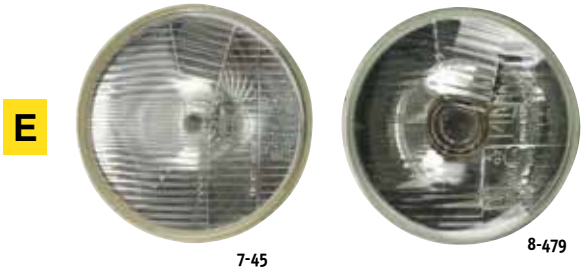


E. *CONVERSION HEADLIGHTS*

Headlight Conversions are exact replacements for sealed beam used on most big bikes. They provide substantially improved lighting with little or no modifying, at a modest cost. A dual filament bulb allows high or low beam operation. Quartz iodide/350,000 candlepower.

7-45* Quartz unit 12V, 7" dia., flat. SOLD EACH
8-480* Quartz unit 12V, 7" dia., round.
7-46* Quartz unit 12V, 5-3/4" dia., flat.
8-479* Quartz unit 12V, 5-3/4" dia., round.
6-52 12V Replacement bulb, 60/55W.
6-61 12V Replacement bulb, 100/55W.

*For 6V applications — order 12V conversion kit and replace bulb with H4 bulb.



1

A





7-42

A. 7" H-D® STYLE HEADLAMP

Headlamps fit Big Twin models using Wide Glide® forks. Lights are sold **without** sealed beam.

8-77 Headlamp for 1949 thru 1959; like original, without hi beam indicator. OEM 67701-49. Includes mounting bracket part No. **11-45**. SOLD EACH

ALSO PURCHASE

7-47 Sealed beam 12V. SOLD EACH
7-42 Sealed beam 6V.
7-45 Quartz unit 12V.
11-45 Mounting bracket for part No. **8-77** (see page 1-17).

B



B. HEADLIGHT HOUSING KIT

Update the look on your 1986 through 1999 Heritage Softail® or Fatboy with this chrome headlight housing kit. Comes with all the necessary brackets and hardware to mount to the stock triple trees.

89-348 Headlight housing kit SOLD AS KIT

C. FORK TIN FOR HERITAGE SOFTAIL® & FAT BOY®

Chrome plated steel tins to give that "antique" look. Chrome hardware included.

89-349 Fits all Heritage Softail® and Fat Boy®, 1986 & later. Replaces OEM 67808-86, 67816-86 & 67820-86. SOLD AS KIT

C

CHROME PLATED



D. HEADLIGHT HOUSING FOR FL

89-257 For FL 1960 & later. OEM 67847-60 & OEM 67848-60. SOLD AS SET
86-70 Headlight rim, gasket & spring clips. Fits FL & FLH 1960 thru 1980. OEM 67712-60A. SOLD AS KIT
89-107 Visor for all 7" Big Twin headlights 1949 & later, also part No. **8-77**. OEM 67752-77T. SOLD EACH

D



86-70



89-257
CHROME
PLATED
ALUMINUM



89-107

E. FRONT FORK FOR FL

Chrome plated or stainless steel.

89-278 Chrome plated rear left fork panel. SOLD EACH

E



LEFT

F. HEADLIGHT VISORS & VISOR COVERS

Replacement die-cast visor.

89-204 Visor, plain. OEM 67809-70. SOLD EACH
89-206 Fits FX & Sportster® 1975 thru 1985, FXR 1982 thru 1983, FXRS 1982 thru 1985. OEM 67809-75. SOLD EACH

Steel stamped cover only for headlight visor.

89-83 Cover with no cut out for indicator lights. SOLD EACH
89-84 Cover with cut out for indicator lights.

F



VISOR



CHROME
PLATED

A. *V-STYLE SPOTLIGHT BARS*

Chrome plated spotlight bars with distinctive V-styling. Check out the V-style rear signal kit on page 1-36.

11-147 Fits FLST 1986 thru 2003. SOLD EACH
11-148 Fits Road King® 1994 thru 2003.

B. *HEADLIGHT MOUNT FOR HYDRA GLIDE™*

To mount M.W. part No. **8-77** 7" headlight to H-D® Big Twin Wide Glide® front fork.

11-45 For 1949 thru 1976. OEM 67810-48. SOLD EACH

C. *HEADLIGHT MOUNTING PLATES*

11-59 Fits FXWG 1980 thru early 1985 and FXST/C, 1984 & 1985. OEM 67773-80. SOLD EACH
11-113 Fits FXST/C 1986 & later. OEM 67773-80A. SOLD EACH

D. *HEADLIGHT BRACKET FOR SPORTSTER® & FLH WIDE GLIDE®*

11-40 For early Sportster® & Wide Glide®. SOLD EACH

E. *SINGLE HEADLIGHT BRACKET*

Headlight bracket to fit bolts spaced 3-1/4" to 5-3/4" apart. Fits bolt size 5/8" or smaller. 12" Hole for headlight.

11-10 Headlight bracket. SOLD EACH

F. *BOTTOM MOUNT HEADLIGHT BRACKET*

Light bolt size is 1/2", mounting holes for the bolts are 4-1/2" to 5-1/4" apart. Fits most motorcycles with pinch bolts on lower tree.

11-42 For Sportster®, Super Glide® & narrow custom trees. SOLD EACH

G. *SIDE MOUNT BRACKETS*

Beautiful brackets for mounting a custom side mount headlight. 3/8" Hole for headlight bolt.

11-26 Two adjustment slots to fit any size fork tubes except Wide Glide®. SOLD AS PAIR

A



B



11-45

C



CHROME PLATED

11-59



11-113

D



CHROME PLATED

E



CHROME PLATED

F



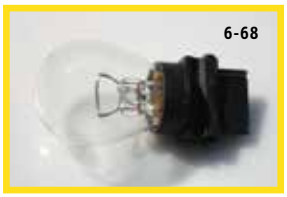
CHROME PLATED

G



1

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B



C



D



E

6-101,6-102
19 PIECE





F

G



G. *L.E.D. BULBS*

Water and vibration proof. Will last up to 100,000 hours. 31 LEDs per bulb. 1-5/8" O.D.

NOTE: Dual contact = 1157, single contact = 1156.

DESCRIPTION	RED LEDS	AMBER LEDS
Angled, single contact	**6-5**	**6-9**
Angled, dual contact	**6-6**	**6-10**
Straight, single contact	**6-3**	**6-7**
Straight, dual contact	**6-4**	**6-8**

SOLD EACH

A. *WEDGE MOUNT LED BULBS*

Stock style wedge mount bulbs for late 2003 applications.

6-68 3156 Wedge mount single element. SOLD EACH
6-69 3157 Wedge mount dual element.

Custom wedge mount bulbs. SOLD EACH

6-112 Wedge mount single element Amber.
6-115 Wedge mount single element Red.
6-113 Wedge mount dual element Red.
6-114 Wedge mount dual element Amber.

B. *MEGA BRIGHT TAILLAMP BULB*

"Mega Bright" halogen taillamp could help keep you from getting run over. 15 Watt taillight is 800% brighter than standard bulbs, and stop light is 50 watts — 3 times brighter than stock. One of the best safety items you can buy!

6-64 "Mega Bright" halogen bulb. Fits right into the stock bulb base. SOLD EACH

C. *XB³ XENON BOOSTED HEADLAMP BULB*

Sight not that crisp on night rides? While replacing the standard H-4 12V 60/55w bulb, the XB³ xenon boosted bulb uses a new coating material that actually increases the color temperature of the bulb to move the light closer to daylight. Xenon gas is used to cool the filament and allow the halogen process to produce a higher light output. The special blue coating increases the whiteness of the light with only a trace of blue at the headlight periphery. Don't confuse these with the blue coated bulbs currently being marketed.

6-63 XB3 Xenon bulb. No wiring modifications or special installation required. SOLD EACH

D. *H-4 XENON BULBS*

Xenon gas is used to cool the filament and allow the halogen process to produce a higher light output. No wiring modifications or special installation required.

6-65 60/55W bulb. SOLD EACH
6-66 100/90W bulb.
6-67 130/90W bulb.

E. *LED BULBS*

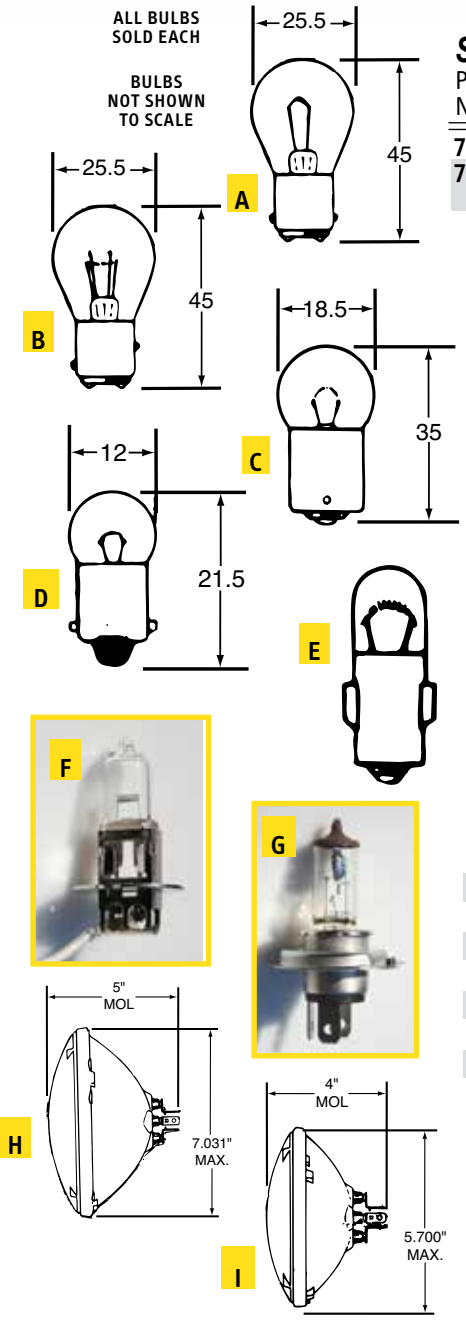
PART NO.	NO. OF PIECES	COLOR	FILAMENT	REPLACES
6-101	19	Red	Dual	1157
6-102	19	Amber	Dual	1157
6-103	19	Red	Single	1156
6-104	19	Amber	Single	1156

SOLD EACH

F. *REPLACEMENT LED BULB*

This 1157 replacement bulb has 18 Red LED's facing out and 6 White LED's to illuminate license plate.

6-117 1157 LED; replacement for dual filament bulb for taillight / license. SOLD EACH



SEALED BEAM UNITS

PART NO.	MFG. NO.	REF.	VOLTAGE	APPLICATION	MODELS
7-42	GE6006	H	6V 30/30W	H-D® No. 67717-48. 7" Dia. sealed beam.	
7-47	GE6012	H	12V 60/50W	H-D® No. 67717-64 and all Japanese with 7" dia. sealed beam.	

STOCK BULBS

AMERICAN					
6-54	A62	D	6V 3W	Instrument light -	H-D® No. 68462-49
6-55	A72	D	12V 3W	Hi-Lo. Instrument light -	H-D® No. 68462-64
6-40	1156	A	12V	Hi-Lo. Turn signal.	H-D® No. 68572-64A
6-43	GE1034 / 1157	B	12V 18/6W	All taillights.	H-D® No. 68165-64
ENGLISH					
6-43	GE1034 / 1157	B	12V 18/6W	Taillight.	12V models.
HONDA					
6-43	GE1034 / 1157	B	12V 18/6W	Taillight.	12V models.
KAWASAKI					
6-43	GE1034 / 1157	B	12V 18/6W	Taillight.	12V models.
SUZUKI					
6-43	GE1034 / 1157	B	12V 18/6W	Taillight.	12V models.
YAMAHA					
6-43	GE1034 / 1157	B	12V 18/6W	Taillight.	12V models.

CUSTOM BULBS

6-43	GE 1034	B	12V 18/6W	All taillights.
6-56	A1272	E	12V 2W	VDO instruments.
6-48	H-3	F	12V 55W	Quartz iodide.
6-52	H-4	G	12V 60/55W	Quartz iodide. M.W. part No. **7-45** & **7-46** lights.
6-61	H-4	G	12V 100/55W	Quartz iodide. M.W. part No. **7-45** & **7-46** lights.
6-57	A4125	C	12V 15W	King marker. M.W. part No. **8-80** lights.
6-55	A7113	D	12V 3W	Queen marker. M.W. part No. **8-82** & **8-83** lights.

INDICATOR LAMPS

These 3/8" diameter one-piece indicator lights are perfect for custom or stock applications. They're used on many 1984 thru 1993 models. 6" Long leads with wiring pins.

SOLD EACH

8-157 Red. Replaces OEM 68489-86.
8-158 Amber. Replaces OEM 67864-86.
8-159 Green. Replaces OEM 68574-86.
8-160 Blue. Replaces OEM 67862-86.
8-161 Replacement clip. OEM 68608-83.



1

A



8-221 LENS

CHROME PLATED

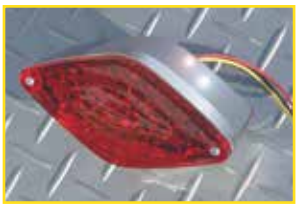
8-223

B



CHROME PLATED

C



D



CHROME PLATED

E



CHROME PLATED

8-185 CLEAR LENS

F







G



CHROME PLATED

H



A. *SKULL LENS CATEYE TAILLIGHTS*

These new taillights feature a raised skull molded into the lens. All have a new body design with stepped profile that gives a custom "machined" look. Taillights are 12V and are supplied with conventional bulbs installed. SOLD AS KIT

LENS STYLE	WITH BULB	WITH LEDs
Clear skull with Red lens.	—	**8-223**
Red skull with Clear lens.	**8-221**	

B. *LATE STYLE L.E.D. TAILLAMP*

Our new late H-D® style taillight features an LED array for those who want the brightest taillight available.

8-193 Fits XL, FX & all Big Twin 1973 & thru 1999. Replaces OEM 68008-73. SOLD EACH

C. *SEMI-DIAMOND L.E.D. TAILLAMP*

Die cast chrome with LED array of 37 red & 4 amber.

8-156 Custom taillight. SOLD EACH

D. *DIAMOND L.E.D. TAILLAMP*

Die cast chrome with LED array.

8-285 Custom taillight. SOLD EACH

E. *CUSTOM CATEYE TAILLIGHTS WITH LED ARRAY*

This cateye taillight is complete with LED array. Available in two lens colors — either red or clear. Although the LED array appears to have clear elements, when lit, the clear lens taillight shines red. Mounting screws 2" center to center. Will mount on the **CHROME HORSE®** stainless steel side mount part No. **11-120** seen on page 1-25.

8-185 12V LED taillight with clear lens. SOLD EACH
8-186 12V LED taillight with red lens.

F. *CUSTOM CATEYE TAILLIGHTS*

Beautiful taillight with large license illumination lens. Flat back for universal mounting. Mounting screws 2" center to center. Will mount on part No. **11-39** taillight mount, but for something special, use on the **CHROME HORSE®** stainless steel side mount part No. **11-120**.

8-79 12V Taillight with plain lens. SOLD EACH
8-136 12V Taillight with blue dot lens.
86-71 Red plain lens only.
86-98 Blue dot lens only.

G. *MALTESE SHAPED TAILLIGHTS*

Chrome plated die cast 12V taillight. Flat back with 2" center to center holes for easy mounting.

8-132 Standard bulb illumination. SOLD EACH
8-215 With LED illumination.

H. *CATEYE L.E.D. TAILLIGHT ASSY.*

Custom cateye LED taillight assy. w/turn signal function.

8-341 Cateye L.E.D. taillight assy. SOLD EACH

A. *THE ORIGINAL CHOPPER TAILLIGHT*

The first chopper builders choose these taillights for the combination of toughness and small size. They held up well on "bone-rattlin" hard-tails. Die cast, chrome plated. Due to small size of lens, use only for show and restoration purposes. Not DOT approved.

11-143 12V Taillight, red lens, conventional style taillight bulb. SOLD EACH
8-302 12V Taillight, red lens, LED illumination.
8-301 Same as above part No. **11-143** except polished.
86-155 Replacement lens for above taillights.

B. *EXTENDED LENS SPARTO TAILLIGHT*

This sparto taillight features a new extended round lens for a new look. Hardware included.

11-131 Sparto taillight, extended lens. SOLD EACH

C. *BEEHIVE TAILLIGHT 1939 thru 1946*

Includes mounting gasket and license mount. 12V.

8-70 Taillamp. OEM 68002-47. SOLD EACH
86-45 Red lens only.

NOTE: Taillight not recommended for street use.

D. *DRILLED BEZEL TAILLIGHTS*

Taillight features a clear lens with super bright red LED's, license plate illumination, and hardware is included.

8-232 Drilled bezel taillight, black. SOLD EACH
8-233 Drilled bezel taillight, chrome.
8-234 Drilled bezel taillight, gold.

E. *WIDE TOMBSTONE TAILLIGHT WITH LED ARRAY*

Our new wide tombstone LED taillight has the styling of the original equipment taillight except it has been redesigned to fit 1973 & later OE fenders. Fits all Big Twin models 1973 thru 1999 (except FLSTS & models with Fat Bob® style rear fenders) and Sportster® models 1973 thru 1998. Models with fender mounted turn signal light bar require relocation of the light bar.

8-192 Wide tombstone LED taillight. SOLD EACH
8-198 Same as above part **No.8-192** except with conventional style taillight bulb.

F. *CUSTOM CATEYE TAILLIGHT & BRACKET*

Die cast, chrome plated fender mount bracket is included.

8-289 12V LED taillight with clear lens. SOLD EACH

G. *CHROME LICENSE PLATE FRAME WITH TRUCKER GIRL TAILLIGHT*

8-294 Side mount license plate frame with trucker girl LED taillight (vertical mount) chromed. For 7" wide x 4" tall license plate, fits 86'-up Softail®. SOLD EACH



1

A



ALL PARTS CHROME PLATED BILLET



B

C



CHROME PLATED

CHROME PLATED

D



U.S.A. MADE

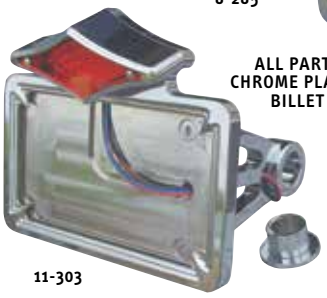
national cycle

E





ALL PARTS CHROME PLATED BILLET





F



CHROME PLATED

G



A. *CHROME BILLET MALTESE LED TAILLIGHT/ LICENSE PLATE BRACKETS*

Below mounts fit 7" x 4" license plates. SOLD EACH

8-277 Billet side mount vertical license / LED taillight. For 1986 & later Softail®.

B. *CUSTOM FAT BOB® STYLE TAILLIGHT & BRACKET KITS*

Custom Fat Bob® style taillights come complete with a chrome plated mounting bracket. Fits FXWG and FXST models 1980 & later.

8-131 Complete taillight kit with custom style. taillight mounting bracket. SOLD AS KIT

C. *CATEYE TAILLIGHT and BRACKET*

Classic cateye style taillight with the chrome plated taillight/ license plate bracket. Fits FXWG and FXST models 1980 & later.

8-134 Taillight and bracket kit. SOLD AS KIT

D. *CUSTOM LICENSE BRACKET & TAILLIGHT*

12 Volt bulb included. **U.S.A. MADE.** SOLD EACH

8-62 Side mount.

E. *CHROME BILLET LICENSE PLATE FRAME WITH LED TAILLIGHT*

These license plate mounts are CNC made form 6061-T6 alum and are beautifully chrome plated. They feature high intensity LED taillights and include wiring & mounting hardware as needed. Fits both 1" & 3/4" dia. axles w/use of an insert styled spacer included.

DIAMOND LED TAILLIGHT

11-301 Mounts on rear fender. Fits most models 1973 thru 2003 Softail®. SOLD EACH

11-302 Radius side mount. Fits 1986 & later Softail®.

11-303 Horizontal side mount. Fits 1986 & later Softail®.

8-285 Die cast, chrome plated diamond taillight only, with LED illumination.

8-291 Replacement LED board for above part numbers.

F. *TOMBSTONE TAILLIGHT*

Tombstone taillights are available in both standard 12V bulb or with LED array. Both are all metal replica of H-D® early style taillight used as original equipment on 1947 thru 1954 models, OEM 68003-47T. Superbly crafted & chromed. Universal fender mounting for most applications. Includes chrome plated license mount, black rubber mounting gasket for paint protection, and either 12V bulb or LED array.

8-56 Complete taillight with 12V bulb. OEM 68003-47. SOLD EACH

8-191 Complete taillight with LED array.

86-34 Red replacement lens. OEM 68090-47.

NOTE: Taillight not recommended for street use.

G. *VINTAGE TEARDROP TAILLIGHT*

Chrome die cast taillight with stainless strap license bracket.

8-254 Taillight assy. with standard bulb. SOLD EACH

8-288 Taillight assy. with LED illumination.

86-138 Replacement red lens for above part No. **8-254**.

86-137 Replacement red lens for above part No. **8-288**.

A. *CHROME BILLET CUSTOM LED TAILLIGHT / LICENSE PLATE BRACKETS*

Below mounts fit 7" x 4" license plates. SOLD EACH

8-148 Billet side mount vertical license / LED taillight. For 1986 thru 1999 Softail®.

8-149 Billet side mount radius, vertical license / LED taillight. For 1986 thru 1999 Softail®.

8-154 Billet side mount horizontal license / LED taillight. For 1986 thru 1999 Softail®.

8-155 Billet license / LED taillight. Includes backing plate, rubber mount block & hardware.

8-290 Replacement LED board for above part numbers.

86-164 Replacement lens for above part numbers.









B. *FLUSH MOUNT TAILLIGHT*

Beautiful all-metal, show chrome housing with the latest in taillight lens optics. Strong flush mounting. Includes 12V bulb.

8-73 Taillight. SOLD EACH



C. *CATEYE TAILLIGHT LICENSE BRACKET*

8-257 Aluminum license plate bracket only. SOLD EACH



D. *BLUE DOTS*

Bring back that nostalgic look by customizing any lens with the Blue Dot. Can be installed by drilling hole in lens and is held in place by chrome ring. May not be approved in some states.

86-72 Chrome ring & blue jewel. SOLD EACH



E. *EARLY H-D® STYLE TAILLIGHT & LENS*

Original style taillight in chrome, with 12V bulb. Fits 1955 thru 1972 Sportster®, Big Twin, and many custom applications.

8-59 Chrome plated taillight. OEM 68010-64B. SOLD EACH

86-41 Red lens only. OEM 68090-69.



F. *TAILLIGHT LENS COVER*

Chrome plated covers for popular style taillights. SOLD EACH

89-391 Die cast cover with eagle fits all cateye taillights without blue dots.



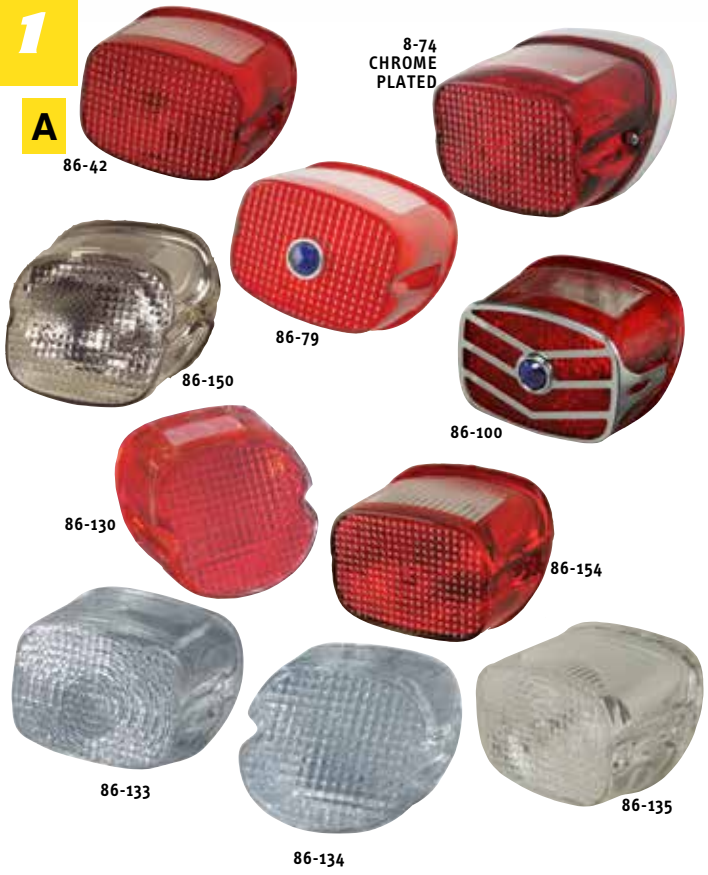
G. *LICENSE PLATE BUSHING & SPACER KIT*

License plate bushing and spacer kit. For use with an axle mount license plate bracket. Reduces an axle mount license plate bracket hole from 1" dia to 0.787" (or 20mm) dia. Please see the list of license plate brackets in section 1.

8-330 License plate bushing & spacer kit. SOLD EACH



1



A. *LATE H-D® STYLE TAILLIGHT*

Original style taillight for XL, FX, and all Big Twins 1973 thru 1999.

8-74 Taillight with 12V bulb. OEM 68008-73. SOLD EACH
86-132 Clear lens only. Fits 1957 thru 1972 FL & XL.
86-133 Clear lens only. Fits 1973 thru 1998 FL, FX & XL.
86-42 Lens only, plain. OEM 68034-77.
86-79 Lens only with Blue Dot installed.
86-100 Lens only with Blue Dot chevron grill.
78-169 Gasket only. OEM 68123-73.
86-131 Lens only, for 1999 thru 2003. OEM 68140-99A.
86-154 Lens only, fits late 2003 & 2004 wedge bulb.
86-130 Laydown style lens only, for 1999 thru 2003.
86-151 Laydown style lens only, with license lens facing up. Fits late 2003 & 2004 wedge bulb.
86-153 Laydown style lens only, with license lens facing down. Fits late 2003 & 2004 wedge bulb.
86-134 Clear laydown style lens only, with license lens facing down. Fits 1973 thru 1998 and 1999 FLST.
86-152 Clear laydown style lens only, with license lens facing down. Fits late 2003 & 2004 wedge bulb.
86-135 Clear lens with reflector assy. Fits 1999 thru 2003 FLT.
86-136 Clear laydown style lens with reflector assy. and with license lens facing up. Fits 1999 thru 2003 FLT.
86-150 Clear laydown style lens with license lens facing up. Fits late 2003 & 2004 wedge bulb.



B. *CURVED STYLE LICENSE PLATE HOLDERS*

This license plate is made from billet aluminum and beautifully chrome plated. Comes with mounting hardware & base rubber mount.

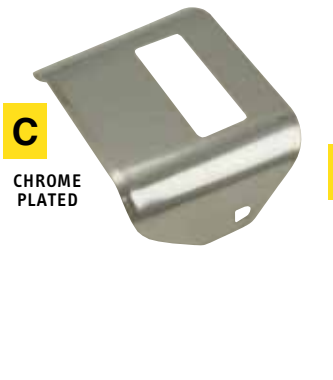
11-309 4"x7" curved license plate assy., chrome. SOLD EACH

This license plate is a two peice assembly with a chrome alulminum outer surround, black steel backing plate & mounting hardware.

11-310 4"x7" curved license plate assy., chrome. SOLD EACH

This taillight & license plate holder is made from billet aluminum and beautifully chrome plated. It features a black steel backing plate & a bright curved red LED crescent style tail light which also has white LED's which illuminate the license plate. Comes with mounting hardware & rubber mount.

11-4 Curved LED taillight & license plate assy., chrome. SOLD EACH



C. *VISOR FOR H-D® LATE STYLE, ALL-PLASTIC TAILLIGHT*

Standard 1973 thru 1999 taillight visor.

89-208 Fits all models 1973 & later mounted with license light up. SOLD EACH



D. *CUSTOM TAILLIGHT VISOR*

Chrome molded taillight visor with four slots that will dress up the rear taillight.

89-397 Taillight visor for Big Twin and Sportster® 1973 thru 1999, except FXST and FXWG. SOLD EACH

A. *LAY DOWN LICENSE PLATE BRACKET*

Die cast chrome plated license plate bracket has 3 hole mounting like stock H-D® bracket. Rubber spacers help eliminate vibration, and lets you adjust plate angle.

11-96 Fits all H-D® models with 3 or 2 hole mounting. Can be used on many custom applications. SOLD EACH

B. *TAILLIGHT LICENSE BRACKET*

This light and license mounting plate adapts to most any cycle. It's made from heavy 18 gauge steel, and measures 7" wide and 7" high.

11-39 Fits taillights part No. **8-73**, **8-79**, **8-185**, and **8-186**. SOLD EACH

C. *LICENSE PLATE & LIGHT BRACKET*

Exact replica of H-D® OEM 59993-80A. Fits FXWG stock fender and part No. **19-50** fender for custom application.

11-55 Chrome plated. SOLD EACH

D. *STAINLESS STEEL SIDE MOUNT LICENSE BRACKETS*

Side mount license/taillight mounts are fabricated from heavy gauge stainless steel then show polished to a beautiful finish. Designed to mount on axle.

11-120 Left side bracket for 3/4" axle & cateye taillight. SOLD EACH
11-139 Right side bracket for 3/4" axle & cateye taillight.
11-124 Left side bracket for 1" axle & cateye taillight.
11-125 Left side bracket for 3/4" axle & diamond taillight.
11-126 Left side bracket for 1" axle & diamond taillight.
11-127 Left side bracket for 3/4" axle & cateye taillight with extended arm to mount on inside of swing arm.
11-128 Left side bracket for 1" axle & cateye taillight with extended arm to mount on inside of swing arm.
11-129 Left side bracket for 3/4" axle & diamond taillight with extended arm to mount on inside of swing arm.

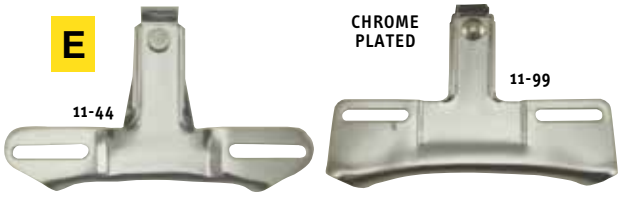
Side mount license brackets only (no taillight mount area).

11-144 Left or right side license bracket for 3/4" axle. SOLD EACH
11-150 Left side license bracket for 1" axle with extended arm to mount on inside of swing arm.

E. *CHROME LICENSE PLATE HOLDERS*

Chrome license plate holder used on most model H-D®. Mounts in stock location of original.

11-44 License bracket; 2 hole. OEM 59995-55A.
11-99 License bracket; 3 hole. OEM 59998-75T.





1

A



CHROME PLATED

A. LOUVERED LICENSE BACKING PLATE

A neat dress-up for the back of license, this chrome plated steel backing plated fits 7" x 4" plates.

11-97 Louvered backing plate. OEM 59899-88T. SOLD EACH

B



CHROME PLATED

B. DIE CAST LICENSE FRAME WITH LIGHTS

Features custom built-in lights with amber lenses that can be used as custom turn signals or marker lights. Accepts 7.25" x 4.25" license plates. SOLD EACH

11-122 Die cast, chrome plated aluminumlicense frame.

C



C. LICENSE FRAME FITS 7" X 4" LICENSE PLATES

11-115 License plate frame with bolt kit. SOLD EACH

D. CUSTOM LICENSE PLATE FRAMES

Chrome plated custom license frames. SOLD EACH

11-5 Skull style license plate frame.

D



E. EAGLE LICENSE PLATE FRAME

This custom license plate frame is beautifully chrome plated to add a custom finish to any motorcycle. Outside measurement is 4.5" x 7". SOLD EACH

11-7 Chrome Eagle license plate frame.

E

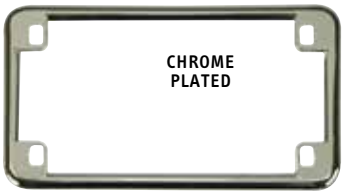


F. LICENSE PLATE FRAMES

License plate frames measure 7-1/4" x 4-1/4". SOLD EACH

11-37 Chrome license plate frame.
11-38 Gloss black license plate frame.

F



CHROME PLATED



A. *LICENSE PLATE FRAME*

Chrome zinc die-cast, hole measure 5-3/4" x 2-3/4" center to center.

11-118 Viper style license plate frame. SOLD EACH
11-119 Skull and frame style license plate frame.





B. *SKULL KROMETS*

A decorative fastener that can be used anywhere on the bike but is best suited for license plate mounting. The finish and detail of the skull is top quality. Comes with removable stud, nut, lock and flat washer. 1" High, 5/8" wide. 1/4-20.

CHROME SKULLS

41-960 Painted Black eyes. SOLD EACH
41-961 Purple jeweled eyes.
41-962 Indigo Blue jeweled eyes.
41-963 Crimson Red jeweled eyes.
41-964 Emerald Green jeweled eyes.
41-965 Golden jeweled eyes.

GOLD SKULLS

41-966 Painted Black eyes. SOLD EACH

CHECK QUANTITY DISCOUNT FOR BEST PRICE SEE SECTION 14 FOR "BIG DADDY" SKULLS



C. *"ELECTRIC" KROMETS & CHROME KROMETS*

"Electric" Kromets are great for license hold down bolts — gives extra light to rear of bike. They can be used any place you may normally use the standard kromets. Easy mounting with hollow mount stud for wiring. 12V.

41-971 "Electric" kromet. Red. SOLD EACH
41-972 "Electric" kromet. Amber.
41-973 "Electric" kromet. Blue.

Traditional chrome plated decorative fasteners which can be used anywhere on the bike.

41-284 Must buy package of twenty. SOLD AS PKG.





D. *LICENSE PLATE KROMETS*

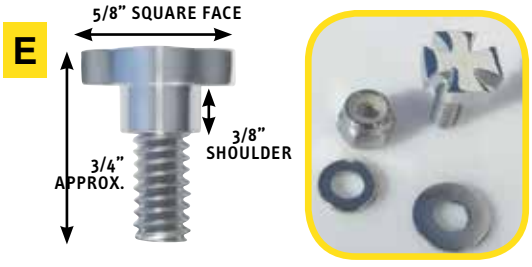
Add a finishing touch with these fasteners.

41-902 Black Maltese Cross. SOLD AS PAIR
41-903 Black Dice.
41-922 Chrome/Gold Dice.

E. *MALTESE KROMETS*

A decorative fastener that can be used anywhere on the bike but is best suited for license plate mounting. Excellent finish and detail. Removable stud, nylock nut and washers.

41-99 Maltese krommets. SOLD AS PAIR



F. *LICENSE PLATE BUSHING AND SPACER*

Reduces an axle mounted license plate bracket hole from 1" to 3/4".

40-710 Bushing and spacer kit SOLD EACH



1

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B



C



D



E

CHROME
PLATED



F



G

CHROME
PLATED



A. *FRONT FENDER LIGHT*

Die cast construction. Amber lens.

8-75 Fender light, 12V, 5/16" dual stud mount. SOLD EACH
OEM 59140-85T. **NOTE:** Taillight not recommended for street use.

B. *BIG TWIN FENDER LIGHTS*

Reproductions of the popular fender trim lights used on Big Twins. These lights will work on all models with the large dresser style fenders. Don't forget part No. **89-360** fender spear set found on page 2-35.

8-125 Front trim light with amber lens. SOLD EACH
OEM 59082-79.
8-126 Rear trim light with red lens. OEM 59658-79.

C. *1950'S STYLE FENDER LIGHTS*

These chrome plated, die cast, quality replica fender lights include rubber gasket, wire, and 12V bulb.

8-97 Fender light with clear lens. SOLD EACH
8-98 Fender light with amber lens.

D. *SPLIT LENS MARKER LIGHT/TURN SIGNAL*

Die cast, chrome plated, flush mount marker light with split lens.SOLD AS PAIR

8-179 Marker lights with LED's & amber lens.

E. *WEDGE MARKER LIGHTS*

Wedge style 12V marker light is chrome plated, 2" high x 3-1/2" long x 1-1/4 " wide.

8-114 Wedge light, red lens, standard bulb. SOLD AS PAIR
8-115 Wedge light, amber lens, standard bulb.

F. *HI-GLIDE INDICATOR/MARKER LIGHTS*

These Hi-glide EU approved lights are made from billet aluminum & are beautifully chrome plated w/extra heavy duty LED's. Easy to install & come supplied with all mounting hardware. SOLD EACH

8-351 Hi-Glide red LED light. O.D. 2.20" x 3.50"

G. *MINI MARKER LIGHTS*

Bantam style 12V mini marker light is ABS chrome plated, 1-5/8" wide x 1-1/4" high. Thru bolt wiring. SOLD EACH

8-118 Bantam light, red lens.
8-119 Bantam light, amber lens.

A. *KING & QUEEN MARKER LIGHTS*

Custom marker lights of chrome plated cast alloy. The hooded lens opening & wedge shape make these marker lights stand out. Both King and Queen are 12V. The King is available in single or double filament models, the Queen in single filament only. The point-of-sale display packaging lets the consumer view the light from all angles.

KING MARKER

8-93	Red light, dual filament.	SOLD EACH
8-94	Amber light, dual filament.	
6-57	Replacement bulb; 12V, single filament. Will also work with our bullet lights (at left).	
6-58	Replacement bulb; 12V, dual filament. Will also work with our bullet lights (at left).	

QUEEN MARKER

8-82	Red light, single filament.	SOLD EACH
8-83	Amber light, single filament.	
6-55	Replacement bulb; 12V, single filament.	

A



B



B. *CUSTOM BULLET MARKER LIGHTS*

A beautiful copy of H-D® old style marker lights with either red, blue or amber lens, 12V bulb & hidden wire mounting base. Can be mounted anywhere.

The below part numbers are with single element. Use replacement bulb part No. **6-57**.

8-55	Bullet light with red lens.	SOLD EACH
8-102	Bullet light with amber lens.	
8-103	Bullet light with blue lens.	

The below part numbers are with dual element. Use replacement bulb part No. **6-58**.

8-104	Bullet light with red lens.	SOLD EACH
8-105	Bullet light with amber lens.	
8-106	Bullet light with blue lens.	

Replacement lenses for all above bullet lights.

86-55	Amber lens only.	SOLD EACH
86-53	Red lens only.	

C



D





C. *BULLET STYLE DIRECTIONAL SIGNALS*

Kit includes four lights with mounting hardware. SOLD AS KIT

8-286	Fits 2000 thru 2002 Softail®, 1990 thru 2002 Sportster® and 1991 thru 2002 Dyna®. Replaces OEM 68005-99.
8-287	Fits 1988 thru 1999 Softail®. Replaces OEM 68007-99.

D. *CHROME BULLET LIGHTS*

Bullet lights add a custom look to choppers or dressers. Single element, 3" length, 1-1/2" from stand off to top, 5/16" mount stud with rubber grommet.

BULB SMOOTH	BULB BALL MILL	LED SMOOTH	LED BALL MILL	LENS COLOR
8-122	**8-303**	**8-309**	**8-305**	Amber
8-123	**8-304**	**8-311**	**8-307**	Red
—	—	**8-310**	—	Clear
—	—	**8-312**	—	Blue

SOLD AS PAIR

REPLACEMENT LENS	REPLACEMENT BULB	COLOR
86-160	—	Amber
86-163	—	Red
86-161	**6-116**	Clear
86-162	—	Blue

SOLD EACH

1

A



CHROME PLATED

B



CHROME PLATED

C



86-120



86-121



86-122

D



CHROME PLATED



8-273

E



F



8-356



8-360



8-358

A. *REPLACEMENT PARTS FOR BEACON-2 HALOGEN LIGHTS*

2-1/4" Diameter x 2-1/2" long, chrome plated, die cast halogen light with multi-faceted reflector. All lenses use a rubber gasket to seal the unit.

REPLACEMENT PARTS

86-116 Lens gasket. SOLD EACH

B. *MARKER LIGHT MOUNTING KIT*

Kit includes four chrome plated mounting blocks and hardware for mounting bullet lights and similar sized marker lights. This kit allows for vertical mounting of these types of lights at the top tree on 35mm front forks, 1987 & earlier. Can be used at the rear on fender struts as well as many other custom light mounting situations.

11-104 Marker light mounting kit. SOLD AS KIT

C. *CLEAR LENSES FOR DIRECTIONALSIGNALS*

Clear lenses for front only or use with LED lights. **NOTE:** Some states do not allow clear lenses — check with your local authorities.

86-120 Clear lens. Replaces OEM 68457-86. SOLD EACH
86-121 Clear lens, flat, small. Replaces OEM 68571-63A.
86-122 Clear lens, flat, large. Replaces OEM 68440-86.

D. *LED TURN SIGNALS*

8-273 Bullet style with clear lens. Fits 2000 & later (DOT approved). SOLD AS PAIR
11-205 Front turn signal mount kit. Fits XL, FXD, FXST, FLSTF, FLSTS. Chrome plated. Replaces OEM 68226-03. SOLD AS KIT

E. *LED TURN SIGNAL KIT*

Kit includes 2 front bullet style signals w/dual function amber LED's and clear lenses, 2 front signal clamps for 41 mm forks. 2 rear bullet style signals w/dual function, red LED's and clear lenses, and 2 rear Duece™ style mounts.

8-321 Turn signal kit SOLD AS KIT

F. *DUAL FUNCTION LED TURN SIGNALS*

These LED lights feature dual function bright LED's, a clear lens (ECE approved) and a show chrome quality finish. SOLD AS PAIR

FITS 86'-95' TOURING
8-356 LED turnsignal, amber.
8-357 LED turnsignal, red.

FITS 86'-UP FLT/FXRT
8-358 LED turnsignal, amber.
8-359 LED turnsignal, red.

FITS 84'-99' SOFTAIL®
8-360 LED turnsignal, amber.
8-361 LED turnsignal, red.

FITS XL, FLSTC, FLSTS, FLSTF, FXSTS, FXD, FXDL, FXDWG
8-367 LED turnsignal, red.

W/CLAMP FOR 39MM FORK TUBES
8-363 LED turnsignal, red.

W/CLAMP FOR 41MM FORK TUBES
8-365 LED turnsignal, red.

A. *LED TURN SIGNAL KITS*

These mini LED lights feature high quality wiring, bright LED's, and all have dual wired function for custom use.

TURNSIGNAL SOLD EACH

8-342 Amber LED turnsignal.
8-343 Red LED turnsignal.

TURNSIGNAL W/MOUNTING STUD SOLD AS PAIR

8-344 Amber LED turnsignal, w/53mm mounting stud.
8-345 Red LED turnsignal, w/53mm mounting stud.

TURNSIGNAL W/CLAMP KIT SOLD AS PAIR

8-346 Amber LED turnsignal, w/41mm clamp kit.
8-347 Red LED turnsignal, w/41mm clamp kit.
8-348 Amber LED turnsignal, w/39mm clamp kit.
8-349 Red LED turnsignal, w/39mm clamp kit.

A



B. *DUECE™ STYLE DIRECTIONAL SIGNAL LIGHTS*

8-190 Duece™ style turn signal kit. This 12V, **U.S.A. MADE,** Duece™ style turn signal with dual filament kit includes: qty. 2 of part No. **8-188** front signal with amber lens (OEM 68885-00), and qty. 2 of part No. **8-189** rear turn signal with amber lens (wiring thru mount hole). SOLD AS KIT

8-188 Complete front dual filament amber turn signal. OEM 68972-00. SOLD EACH

8-189 Complete rear dual filament amber turn signal with the wiring run thru the mounting hole. SOLD EACH

8-270 Complete rear dual filament amber turn signal. OEM 68977-00. SOLD EACH

86-123 Amber lens only. OEM 68973-00. SOLD EACH

86-124 Red lens only. SOLD EACH

86-125 Clear lens only (for use with LED bulb). SOLD EACH

B



C. *TURN SIGNAL SMOKE LENS KIT* NEW!

Quantity of 4 flat style smoked turn signal lens and 4 amber colored bulbs. Fits 1986-current models equipped with flat turn signals lens. Replaces OEM 69308-02.

★**89-123** Turn signal smoke lens kit. SOLD AS KIT

C



D. *REAR TURN SIGNAL MOUNTS for FL*

Rear turn signal mount for all 4 speed FL 1974 thru 1984 and FLST 1986 thru 1988.

11-72 Stock size. OEM 68510-74A. SOLD EACH

11-106 4" Shorter than stock.

D CHROME PLATED



E. *LOAD EQUALIZER FOR USE WITH LED'S*

17-132 Used to prevent irregular lighting when small LED turn signals are installed. SOLD EACH

E



1


11-98

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11-1


11-2


11-79


11-80

ChrisProducts


11-81


11-87 THRU 11-91


11-83

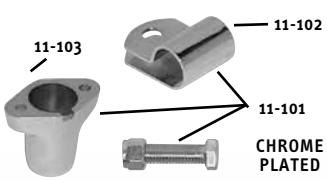

11-86


11-3

B


11-202

C



D



A. *TURN SIGNAL MOUNTING HARDWARE for H-D®*

These **U.S.A. MADE** brackets & hardware are available individually and will work with all M.W. H-D® style turn signals.

11-79	Rear turn signal support with screw. OEM 68480-73.	SOLD EACH
11-98	Rear turn signal support. OEM 68480-93. Fits Dyna Glide®, FXDL & FXDWG, 1993 and later and Sportster® 1993 & later.	SOLD EACH
11-1	Rear turn signal support. OEM 68480-02. Fits Softail® FXSTI, FXSTFI, FLSTSI, FXSTST, and FXSTBI.	SOLD EACH
11-2	Rear turn signal support. OEM 68821-00. Fits Softail® FXSTD & FXSDI, 2000 & later.	SOLD EACH
11-80	Handlebar clamp with screw. OEM 68487-82 & 68486-82A.	SOLD EACH
11-81	Rear turn signal stud (1-7/8" long), with nut. OEM 68493-87.	SOLD AS PAIR
11-82	Rear short stud only (1-1/4" long). Moves signal in close for sleeker look.	SOLD AS PAIR
11-85	Rear short stud only (5/8" long).	SOLD AS PAIR
11-83	Stud with spacer. OEM 68528-77A.	SOLD EACH
11-86	Low head socket screw. OEM 4070.	SOLD EACH
11-87	1/4" Chrome spacer.	SOLD EACH
11-88	1/2" Chrome spacer.	SOLD EACH
11-89	3/4" Chrome spacer.	SOLD EACH
11-91	1-1/4" Chrome spacer.	SOLD EACH
11-92	Chrome spacer assortment. Includes one each of above individual spacers.	SOLD AS PKG.
11-3	Directional signal mount kit for front signals for most H-D®. OEM 68185-00.	SOLD AS KIT

B. *V-STYLE REAR TURN SIGNAL KIT*

Fits 1974 thru 1984 4 speed FL, 1986 & later Heritage Softail®, 1991 & later FLT, FLHT, FLHS, & Road King® models. Check out the V-style spotlight mounting bar on page 1-13.

11-202	Chrome V-bracket only.	SOLD EACH

C. *TURN SIGNAL MOUNTING KIT for FL*

Chrome plated mounting hardware for FL turn signals, 1968 thru 1995. Can also be used on custom applications.

11-101	Kit; includes all items. Fits 1968 thru 1982. OEM 68518-68.	SOLD AS KIT
11-102	Clamp. 5/8" Dia. OEM 68795-68.	SOLD EACH
11-103	Bracket. Fits 1968 thru 1995. OEM 68519-68.	SOLD EACH

D. *TURN SIGNAL SWIVEL KIT*

Front signal swivel kit with extra retainer & receptacle ball.

11-204	Fits XL, FLSTC, FLSTS, FLSTF, FXSTS, FXD, FXDL & FXDWG.	SOLD AS KIT

DIRECTIONAL SIGNAL LIGHTS — ORIGINAL H-D® STYLE

A. THESE 12V, DOUBLE CONTACT (EXCEPT PART NO. 8-84) H-D® REPLICA TURN SIGNALS CAN BE USED ON ANY MOTORCYCLE.

8-85	Complete early amber turn signal. OEM 68557-70A.	SOLD EACH
8-84	Complete single element early amber turn signal.	
8-86	Complete early red turn signal.	
86-87	Early amber lens only. OEM 68571-63A.*	
86-88	Early red lens only. OEM 68570-63.*	
86-93	Early red lens with blue dot installed, only.*	
86-121	Early clear lens, for front only.*	
8-88	Complete late amber turn signal. OEM 68400-86.	SOLD EACH
8-87	Complete late red turn signal.*	
86-89	Late amber lens only. OEM 68440-86.*	
86-90	Late red lens only.*	
86-94	Late red lens with blue dot installed, only.*	
86-122	Late clear lens for front only.*	

*Chris Products



B. FLAT STYLE LENS SINGLE FILAMENT TURN SIGNAL AND RUNNING LIGHTS.

SOLD EACH

8-108	Complete amber turn signal light with threads. S ingle filament.
86-87	Amber lens only. OEM 68571-63A.
86-88	Red lens only. OEM 68570-63.
86-93	Red lens with blue dot installed, only.
86-121	Clear lens, for front only.

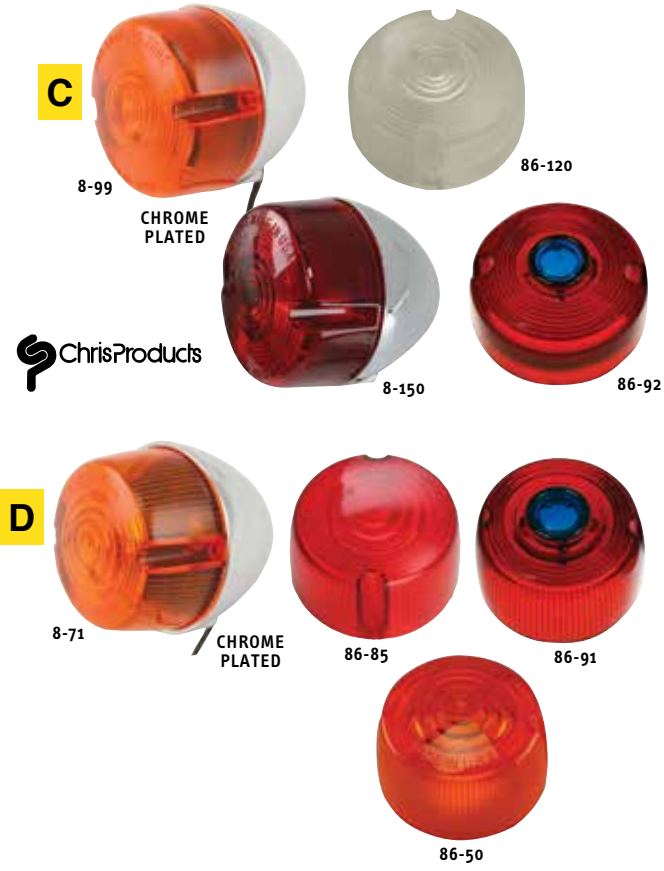


C. DUAL FILAMENT AMBER TURN SIGNAL UNIT. FITS MOST H-D® MODELS, 1986 & LATER.

8-99	Complete amber turn signal without threads. OEM 68404-86.	
8-150	Complete red turn signal without threads.	
8-200	Complete red turn signal with threads.	
86-83	Amber lens only. OEM 68457-86.	
86-84	Red lens only.	
86-92	Red lens with blue dot installed, only.	
86-120	Clear lens, for front only.	SOLD EACH

D. AMBER TURN SIGNAL UNIT WITH SINGLE FILAMENT FOR FX, FXR, & XL, 1973 THRU 1985.

8-71	Complete amber turn signal with threads. OEM 68514-73.	SOLD EACH
8-101	Complete amber turn signal without threads. OEM 68515-77A.	
86-50	Amber lens only. OEM 68483-73.	
86-85	Red lens only.	
86-91	Red lens with blue dot installed, only.	



1

DIRECTIONAL SIGNAL LIGHT KITS — ORIGINAL H-D® STYLE


8-71


11-80


11-79


86-85


86-84


86-121

ChrisProducts


8-99

12V, **U.S.A. MADE**, flat lens turn signal kit.

Replacement parts and mounting hardware for turn signal kit:

OEM NO.	MIDWEST PART NO.	DESCRIPTION
68487-82 & 68486-82A	**11-80**	Handlebar clamps.
68480-73	**11-79**	Rear signal support.
68570-63	**86-88**	Extra red lenses.
68571-63A	**86-121**	Clear lens, flat, small.

This 12V, **U.S.A. MADE**, early style turn signal kit includes:

QTY.	OEM NO.	MIDWEST PART NO.	DESCRIPTION
4	68514-73	**8-71**	Signal w/amber lens.
2	68487-82 & 68486-82A	**11-80**	Handlebar clamps.
2	68480-73	**11-79**	Rear signal support.
2		**86-85**	Extra red lenses.

8-110 Early style (1973 thru 1986) turn signal kit. **SOLD AS KIT**

This 12V, **U.S.A. MADE**, late style turn signal kit includes:

OEM NO.	MIDWEST PART NO.	DESCRIPTION
68406-86		Signal w/amber lens.
68487-82 & 68486-82A	**11-80**	Handlebar clamps
68480-73	**11-79**	Rear signal support.
	86-84	Extra red lenses.
	86-92	Extra red lenses.
68457-86	**86-120**	Clear lens (available separately).

8-111 Late style (1986 & later) turn signal kit. **SOLD AS KIT**

A. *THE "PLUG-IN" ILLUMINATOR MODULE*

Same features and functions as the original Illuminator, but with an added plug-in feature.

Fits H-D: Rockers (for changing out OEM Rear Turn Signals only)

17-139 The Plug-In Illuminator. **SOLD EACH**

A


17-139

BADLANDS

B. *THE INTENSIFIER™ MODULE*

These modules convert single function LEDs, Halogen or Incandescent Bulbs to High and Low dual functions. Run & Stop, Run & Turn, or High & Low. Works for Taillights, Signals, Marker Lights, Fender Tip, LED Accent Lighting, Driving Lights, or any other application where two intensities are desired. **17-145** runs up to 50 watts in total without heat issues. **17-146** will run up to 2 - 50 wat Driving Lights! Built in the USA with quality components, using the proven technology from our Illuminator™ Pro. The intensities are controlled with our Optimized Modulation technology to ensure distinct intensity differences from any light source.

B


17-145

17-145 One low input, one high input, one output. One Module will run single or multiple driving lights for High & Low; single or multiple marker lights for Run & Stop. Also can do Run & Turn on a pair of turn signals but 2 units are required. Will run up to 50 watts total for Driving Lights (2x25W). Fits any 12 volt system! **SOLD EACH**

A. *LOAD EQUALIZER*

17-132 Load equalizer. Used to prevent irregular lighting when small LED turn signals are installed. SOLD EACH

A



17-132

B. *ULTIMA® CHARGING SYSTEM*

Kit includes chrome solid state voltage regulator, stator, rotor (your choice of heavy duty or late OEM style), and mounting hardware. Fits 1970 thru 1999 Big Twins.

53-605 Ultima® Kit with heavy duty rotor; 32 amp. SOLD AS KIT
53-606 Kit with late OEM style rotor; amp. SOLD AS KIT
53-55 Kit with 38 amp components. Twin Cam®. SOLD AS KIT

B



53-605



53-606



C. *ULTIMA® CHARGING SYSTEM ACCESSORIES*

53-630 Rotor spacer, small. OEM 29961-85. SOLD EACH
53-631 Rotor spacer, large. OEM 29960-85. SOLD EACH
53-617 Stator bolts. SOLD PKG OF 4

C



53-630



53-631



53-617

D. *CHARGING SYSTEM*

53-676 32 Amp rotor / stator kit, includes rotor kit OEM 29957-81B & stator OEM 29970-88. SOLD AS KIT
53-679 38 Amp 3 phase rotor / stator kit. Charges 15 amps at 800 RPM. Includes rotor kit OEM 29981-95 & stator OEM 30017-01. SOLD AS KIT

E. *ROTORS*

These rotors have enclosed magnets; no chance that they can come loose. Fits Big Twin 1981 & later. Replaces OEM 29957-81B & 29957-85A. Rotors will work on all H-D® Big Twin with correctly matched stator and volt pak. Refer to service manual for proper spacing due to different sprocket shaft lengths and compensator stack heights.

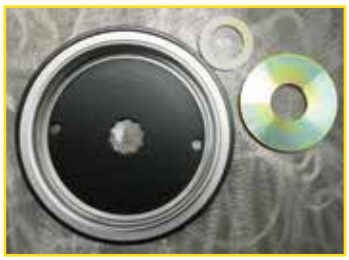
53-603 Heavy duty rotor; 22/32 amp. 15/32" Thick at splines. "No tear out." SOLD EACH
53-604 Late OEM style rotor; 22-32 amp. .195" Thick at splines. Supplied with two washer spacers: OEM 29961-85 (1.75" O.D. x .093" thick) and OEM 29960-85 (2.81" O.D x .219" thick).
53-52 Rotor; 38 amp. OEM 29981-95.
53-615 Rotor; 45 amp. OEM 29999-97.
53-678 32 amp rotor kit. Replaces OEM 29957-81B. Fits 1976 thru 1999 models. SOLD AS KIT

D



53-679

E



53-604

F. *STATORS*

BIG TWIN

53-186 Fits 1970 thru 1975 H-D® 74" 4 Wire, 15 amp. OEM 29965-70. SOLD EACH
53-128 Fits 1976 thru 1980 H-D® 74" & 80". 2 Wire, 17.8 amp. OEM 29965-75.
53-251 Fits 1981 thru 1988 H-D® 80" 2 Wire, 22 amp. OEM 29965-81.
53-54 38 Amp. Replaces OEM 30017-01.
★ **53-319** Fits EVO Big Twins 89'-99', 32 amp, OEM 29970-88. NEW!
53-720 Fits 99'-00' Softails® & 00'-02' Dyna®, 32 amp. OEM 29951-99.
53-721 Fits 97'-98' EVO FLT, 45 amp. OEM 29987-97.
53-722 Fits 99'-01' FLT, 45 amp. OEM 29987-99.
53-723 Fits 02'-04' FLT, 45 amp. OEM 29987-02.

SPORTSTER® SOLD EACH

53-300 Fits Sportster® 883cc, 1100cc and 1200cc, 1986 thru 1990. 19 Amp. OEM 29967-84A.
53-320 Fits Sportster® 883cc & 1200cc, 1991 & later. 22 Amp. OEM 29967-89.

F



53-186



53-128



53-720



53-721

1

A



53-609



53-613

B



PLASTIC

C



D



CHROME PLATED

E



CHROME PLATED

F



CHROME PLATED



89-526

A. *U.S.A. MADE STATORS*

U.S.A. MADE STATORS

These OEM quality **U.S.A. MADE** stators are covered by a limited one year warranty. Molded or unmolded versions available where listed. The quality you expect with a budget price. Just like stock.

ACCEL "LECTRIC" STATORS

U.S.A. MADE from the finest components available, these high quality stators are backed by a lifetime replacement warranty on all eight part numbers which cover all H-D® twins from 1970 & later. Each stator is individually wrapped and packaged in an attractive four color display box. See page 1-39 for stainless steel screw kit.

U.S.A. MADE PART NO.	ACCEL PART NO.	OEM NO.	YEAR	MODEL	STYLE
BIG TWIN					
53-607	—	29965-70	1970 / 1975	Big Twin	Unmolded
53-608	**53-340**	29965-75	1976 / 1980	Big Twin	Molded
53-609	**53-341**	29965-81	1981 / 1988	Big Twin	Molded
53-610	—	29965-81A	1981 / 1988	Big Twin	Unmolded
53-613	**53-345**	29970-88A	1989 & Later	Big Twin	Unmolded
SPORTSTER®					
53-611	—	29967-84A	1985 / 1990	XL	Unmolded
53-612	—	29967-84	1985 / 1990	XL	Molded
53-614	**53-346**	29967-89	1991 & Later	XL	Unmolded

SOLD EACH

B. *ALTERNATOR PLUG RETAINER*

53-296 Fits all Big Twins 1971 & later. OEM 29954-71. SOLD EACH

C. *CHROME ALULMINUM ALTERNATOR PLUG RETAINER*

Attached direct to the engine case to ensure that your plug stays in place and helps prevent any unwanted electrical shorts.

53-129 Chrome alternator plug retainer, fits Big Twins 70'-88'.

53-130 Chrome alternator plug retainer, fits Big Twins 89'-present. SOLD EACH

D. *ULTIMA® HEAVY DUTY REGULATOR MOUNT*

Thick 3/16" steel comes in both chrome plated or raw finish. Bolts to the bottom of the front motor mount on Big Twins. 1/4-20 studs for easy mounting of voltage regulator. **MADE IN USA**

5-232 Heavy duty regulator mount. Raw. SOLD EACH

5-233 Heavy duty regulator mount. Chrome. SOLD EACH

E. *CHROME PLATED FINNED VOLTPAK COVER*

89-381 Cover fits most voltpaks. SOLD EACH

F. *REGULATOR COVERS*

89-525 Cover kit for 1989 thru 1999 Softail®. OEM 74578-97.

89-526 Cover kit for 1991 & later Dyna®. OEM 74577-97.

89-527 Cover kit for 1985 & later XL (shown). OEM 74579-97.

89-537 Cover kit for 2001-2006 Softail®. OEM 74597-01.

SOLD AS KIT

SOLID STATE ELECTRONIC VOLTAGE REGULATORS

U.S.A. MADE SOLID STATE ELECTRONIC VOLTAGE REGULATORS

These quality manufactured solid state voltage regulators cover the popular H-D® applications. Highly reliable; the ceramic & circuit board technology gives a combination of improved electrical regulation with lower temperatures. Available chrome plated or black with polished fins. 30 Day warranty.

ACCEL

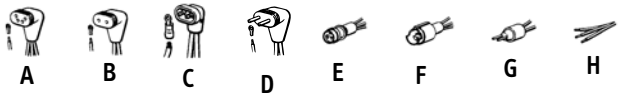
H-D® owners & mechanics will welcome Accel's solid state voltage regulators that cover every H-D® application. Each regulator is designed to perform with high reliability and features Accel's exclusive chrome finish for that custom look. All units are set to factory OEM specifications. Accel's unique circuitry ensures that the battery cannot be drained by the charging system while the bike is not in use. Each unit comes complete with installation instructions. Limited life time warranty.



CHROME PLATED



BLACK



CONNECTOR TYPES

APPLICATION	YEAR	OEM NO.	CHARGING SYSTEM	CONNECTOR TYPE	CHROME PLATED U.S.A. MADE REGULATORS	BLACK U.S.A. MADE REGULATORS	ACCEL ELECTRONIC VOLTAGE REGULATORS — CHROME
FL & FLH. XL, XLH & XLCH.	1965/1969 1965/1977	74511-65 74510-64	Replaces 12V mechanical regulator or 12V generator.	H	**53-552**	**53-306**	—
FL & FLH. FX & FXE.	1970/1975 1971/1975	74510-70A	15 Amp alternator.	A	**53-547**	**53-302**	**53-262**
FL, FLH, FLH-80, FLT & Classic FX, FXE, FXS, FXS-80 & FXEF-80.	1976/1980 1976/1980	74512-79A	17.8 Amp alternator	B	**53-548**	**53-303**	**53-219**
XLCH. XLH, XLCH & XLS.	1977 1978/1981	74504-78	12V Generator	E	**53-549**	**53-304**	—
FLH 80 & Classic. FX, FXE, FXEF, FXS & FXB. FXWG. FLT & FLHT Classic FXR, FXRS, FXRT & FXRP. Softail® models.	1981/1984 1981/1985 1981/1986 1981/1988 1982/1988 1986/1988	74516-86	22 Amp alternator.	D	**53-550**	**53-309**	**53-264**
XL, XLS & XLX.	1982/1984	74504-82	12V Generator.	F	**53-551**	**53-308**	**53-263**
XL.	Late 1986/ 1990	74523-84A	19 Amp alternator.	G	**53-553**	**53-310**	**53-290**
All Big Twin models.	1989 & Later	74519-88	32 Amp alternator.	C	**53-544**	**53-543**	**53-322**
XL.	1991/1993	74523-91	22 Amp alternator.	G	**53-542**	**53-541**	**53-362**
XL 883 / 1200.	1994 & Later	74523-94A			**53-546**	**53-545**	
FLST, FXST	2000	74512-00	—		**53-571**	**53-570**	
FXST	2001 & Later	74610-01, 74540-01	38 Amp alternator.		**53-53**	**53-56**	
FLT, FLH	2002 & 2003	74505-02	—		**53-561**	**53-559**	
FLT, FLH	2004 & 2005	74505-04	—		**53-563**	**53-562**	
DYNA, FXD	2004 & 2005	74631-04	—		**53-575**	**53-574**	
XL	2004/2006	74523-04	—		**53-573**	**53-572**	
DYNA, FXD	2006 & 2007	74631-06	—		**53-578**	**53-576**	
FLT, FLH	2006/2008	74505-06	—		**53-565**	**53-564**	
FLST, FXST	2007	74540-07	—		**53-584**	**53-582**	
XL	2007/2008	74546-07	—		**53-588**	**53-587**	
DYNA, FXD	2008/2013	74631-08	—		**53-581**	**53-580**	
FLST, FXST	2008/2013	74540-08	—		**53-586**	**53-585**	
XL	2009/2011	74711-08	—		**53-569**	**53-568**	

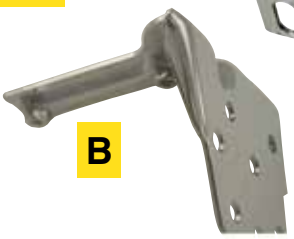
SOLD EACH

1

A



B



A. *REGULATOR (BOSCH) MOUNTING BRACKET*

Used for Bosch regulator (part No. **53-23**) or Bosch type regulator. Put the regulator where it belongs, on top of the generator. Mount to generator frame screw. Allows you to use stock end cover.

5-69 For Sportster® and H-D® 74". SOLD EACH

B. *RECTIFIER MOUNTING BRACKET for BIG TWIN*

This rectifier mounting bracket fits OEM and accessory rectifiers.

5-85 For FL & FX, 1976 & later. OEM 74533-75B. SOLD EACH

C



53-274



53-268

C. *6 & 12 VOLT VOLTAGE REGULATORS for H-D®*

Heavy duty shock mounted steel bases. Vibration resistant internal wire connections. OEM style covers now with your choice of chrome plated or hard gloss black finishes. Fiber and mylar insulating pads. Large diameter contact surfaces. **U.S.A. MADE**.

CHROME PART NO.	BLACK PART NO.	OEM NO.	YEAR	MODEL / APPLICATION
12 VOLT				
53-274	**53-165**	74510-64	1965/1969 1965/1977	FL, FLH. XLH.
ELECTRO-MECHANICAL VOLTAGE REGULATOR (BOSCH TYPE)				
53-269	**53-268**	74511-65	1965 & 1966 1965/1977	XLH. XLCH.
6 VOLT				
53-275	—	74510-47A	1952/1964 1958/1964	All "K" Model Twins, XL, FL, FLH Twins.

ALL PARTS SOLD EACH

D



D. *RECTIFIER / REGULATOR BRACKET*

Exact reproduction for all H-D® rubber mounted motors.

5-126 Fits Shovel® 1980 thru 1985 and FLT & FXR 1984 & later. OEM 74529-79. SOLD EACH

E



E. *LARGE REGULATOR COVER*

Oblong, use with large Delco Remy regulators and 2 brush generators.

89-4 Large Delco Remy regulator cover. SOLD EACH

F



F. *BATTERYLESS STARTING BOOSTER CAPACITOR*

This capacitor voltage storage unit greatly increases spark voltage at starting RPM when using batteryless operation with a voltage regulator / rectifier, such as our Powerpaks. Filters current surges to protect sensitive electronic ignition components and reduces low speed light flickering. For all alternator / generator systems with the battery eliminated. Compatible for use with our Powerpaks.

53-125 Capacitor. SOLD EACH

G



77-113

G. *SMALL PARTS & GASKET KITS FOR GENERATORS*

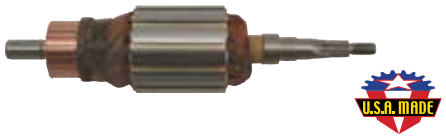
Hard-to-find parts needed to rebuild generators for Harley-Davidsons®.

77-113 Fits No. 32E & 52 generators, 1936 thru 1957 Big Twins. American made. SOLD AS KIT

A. *ARMATURES*

Imported armature for H-D®.

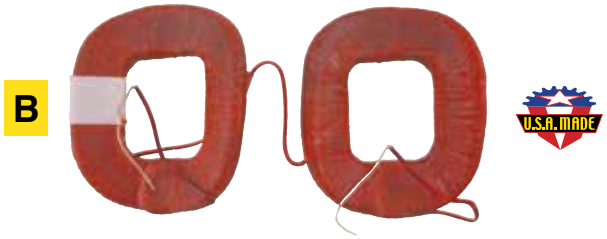
53-152 For H-D® 65, 12 volt. OEM 30851-65TA. SOLD EACH



B. *FIELD COILS*

Fits H-D® generators. Each set consists of one shunt & one regulating coil. These coils feature high strength warp-free iron laminates, heat resistant, heavy gauge copper core wiring, wrapped woven cloth insulation (not paper), soldered field & ground terminals, and are matched paired for exact amperage values. SOLD EACH

53-214 Model 65A. Imported. OEM 30201-65T.



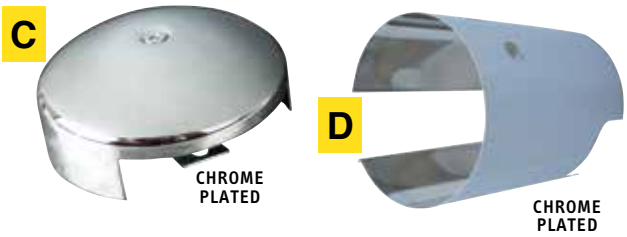
C. *GENERATOR END COVER*

Heavy gauge steel stamping, finest quality. Easy to install. SOLD EACH

89-32 For Sportster® & 74 C.I. 1958 & later. OEM 31081-83T.

D. *TWO BRUSH GENERATOR COVER*

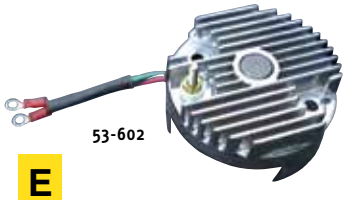
89-10 For 74" & Sportster®, 1958 & later (generator equipped models). Easy to install. OEM 31080-83T. SOLD EACH



E. *GENERATOR END REGULATOR*

Solid state 12V regulator hides inside of end cap. Great for custom bikes where you don't want a lot of stuff hanging off or you want to trash that old mechanical regulator. SOLD EACH

53-602 Chrome finned generator end cap with regulator & bearing.



F. *GENERATOR SCREW KITS*

Generator mounting screws to mount H-D® or Midwest generators. Authentic reproductions. Perfect for restorers or rebuilders.

53-195 For Big Twin 1936 thru 1957. SOLD AS SET
53-194 For Big Twin 1958 thru 1969.
53-241 For H-D® 45" 1958 thru 1973.

SEE SECTION 14 FOR ALLEN TYPE SCREWS



HIGH QUALITY CHROME PLATED

COLONY

G. *GENERATOR OVERHAUL KIT*

Accel's 6V & 12V generator overhaul kit is blister packaged to show off the top notch parts that are included: Accel's famous brush sets, a special double lip oil seal (guards against oil leakage into the generator), and a UL approved fiber generator cover gasket impregnated with chemical solids to maintain a seal under extreme conditions.

PART NO.	VOLTAGE	GENERATOR MODEL	YEAR	MODEL
77-159	6V	#58	1958/1960	XL, XLH, XLCH, FL, FLH.

SOLD AS KIT

G

ACCEL

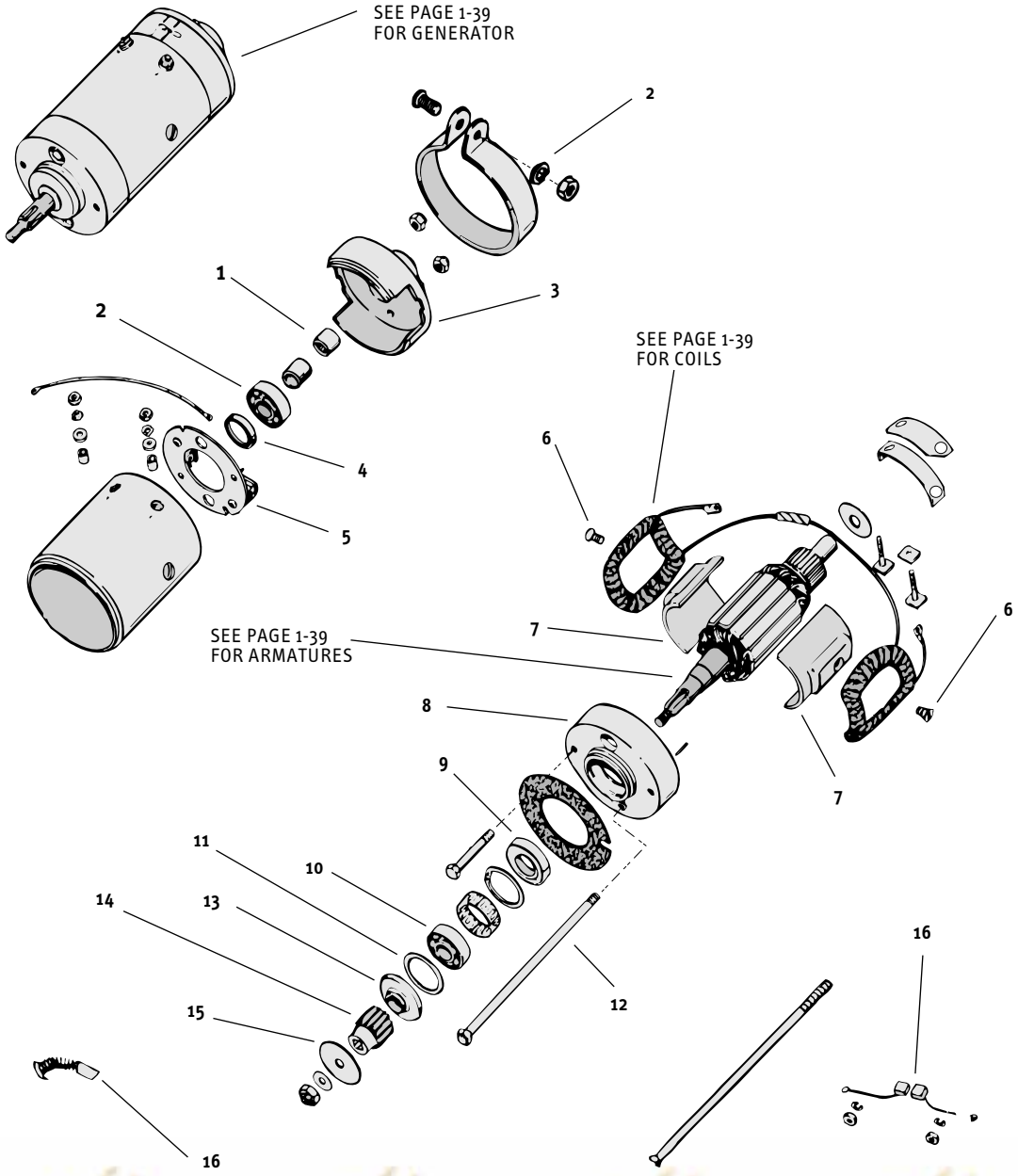


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GENERATOR PARTS

ALL PARTS SOLD EACH EXCEPT AS NOTED

1	**95-174**	NEEDLE BEARING 74" 1961/1969 SPORTSTER® 1961/1981 (OEM 9064)
2	**96-241**	LOCKWASHER 1/4" (OEM 7036)
3	**53-324**	CHROME END COVER COMMUTATOR 65A MODEL GENERATOR OEM 30132-61A)
4	**95-103**	OIL SEAL BRUSH END NEEDLE BEARING TYPE 74" 1961/1969, SPORTSTER® 1961/1976 SERVI-CAR 1961/1966 (OEM 12002)
5	**53-185**	BRUSH HOLDER 12 VOLT H-D® 65A GENERATOR (OEM 30350-65)
6	**53-256**	POLE SHOE SCREW (USE 2) 58 & 65A (OEM 30280-58)
7	**53-144**	BRUSHES 74" 1958 & LATER, XL, XLCH, SERVI-CAR (OEM 30426-58) SOLD EACH
8	**53-253**	GENERATOR DRIVE END COVER 58 & 65A. ALUMINUM (OEM 30095-61)
9	**95-102**	OIL SEAL GEAR END 61" & 74" OHV 1946 & LATER FLATHEADS, & 45" (OEM 30145-46A)
10	**95-101**	BEARING GEAR END (OEM 9007) U.S.A. MADE
11	**53-311**	SNAP RING (OEM 11004) U.S.A. MADE
12	**53-252**	GEN. FRAME SCREW SPORTSTER® 1958/1980 74" 1958/1969 (OEM 30012-58)
13	**53-193**	DEFLECTOR 1958 & LATER (OEM 31035-58)
14	**53-161**	GEAR 14 TOOTH (OEM 31073-63A)
15	**53-298**	OIL SEPARATOR WASHER (OEM 31067-63)
16	**53-144**	BRUSHES 74" 1958 & LATER, XL, XLCH, SERVI-CAR (OEM 30426-58) SOLD EACH





Black Wrinkle finish

ULTIMA® THUNDER FIRE™ HEAVY DUTY STARTERS 89'-06'

Ultima® is setting the standard in Starter performance and value with the new Heavy Duty series Thunder Fire starters for 1989 thru 2006 model Big Twins, except 2006 Dynas®. These Starters are built with all new tooling and all parts are new not Re-manufactured like some of our competitors. We have made improvements to the key components in these starters to insure long life and exceptional performance. We are sure you will agree these are a best value product.

1.4 KW SERIES

- Availible in Black or Chrome
- Fits all 89/05 model Big Twins with no clearance issues
- Works with OEM battery
- Each Starter is individually tested with data sheet included

1.75KW SERIES

- Great upgrade for stock and 1.4 Kw starters. Made for trouble free starting of most small strokers
- Fits some stock applications on Big Twins where 3/4" longer body is not a problem.
- Includes manual push button cap on solenoid
- Works with OEM battery
- Each Starter is individually tested with data sheet included

2.0 KW SERIES

- Made for Big Inch engines
- Heavier Clutch Gears
- Fits some stock applications on Big Twins where 7/8" longer body is not a problem.
- Fits FLT and Dyna® when used with **89-14** oil filler spacer
- Includes manual push button cap on solenoid
- Requires a 300 amp Battery and good cables for best results
- Each Starter is individually tested with data sheet included

2.4 KW SERIES

- Made to Start anything Big Inch
- Heavier Clutch Gears
- Includes manual push button cap on solenoid
- Requires a 300 Amp Battery and good cables for best results
- Each Starter is individually tested with data sheet included

1.4 KW Series

1.75 KW Series

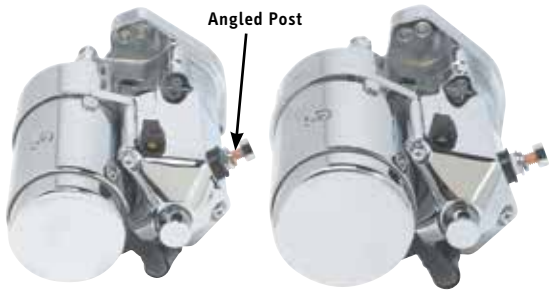
Top Post



2.0 KW Series

2.4 KW Series

Angled Post



STARTER BOLTS

70-218	Starter Bolt; 1/4"-20 x 5-1/4"
70-219	Starter Bolt; 10-32" x 6"

TOP POST STARTERS

70-220	1.4 Kw Chrome Plated
70-221	1.4 Kw Wrinkle Black
70-224	1.75 Kw Chrome Plated
70-226	2.0 Kw Chrome Plated
70-228	2.4 Kw Chrome Plated

ANGLED POST STARTERS

70-222	1.4Kw Chrome Plated
70-223	1.4Kw Wrinkle Black
70-225	1.75 Kw Chrome Plated
70-227	2.0 Kw Chrome Plated
70-229	2.4 Kw Chrome Plated

ULTIMA® THUNDER FIRE™ HEAVY DUTY STARTERS

06' & LATER DYNAS®, 07' & LATER BIG TWINS

Ultima® has continued the standard in Starter performance and value with the new Heavy Duty series Thunder Fire starters for 2007 & later model Softail® & Touring models, and 2006 & later Dyna®. These Starters are built with all new parts & tooling. Not Re-manufactured like some of our competitors. Works with OEM battery & individually tested w/data sheet included. We are sure you will agree these are a best value product.



1.4 KW SERIES

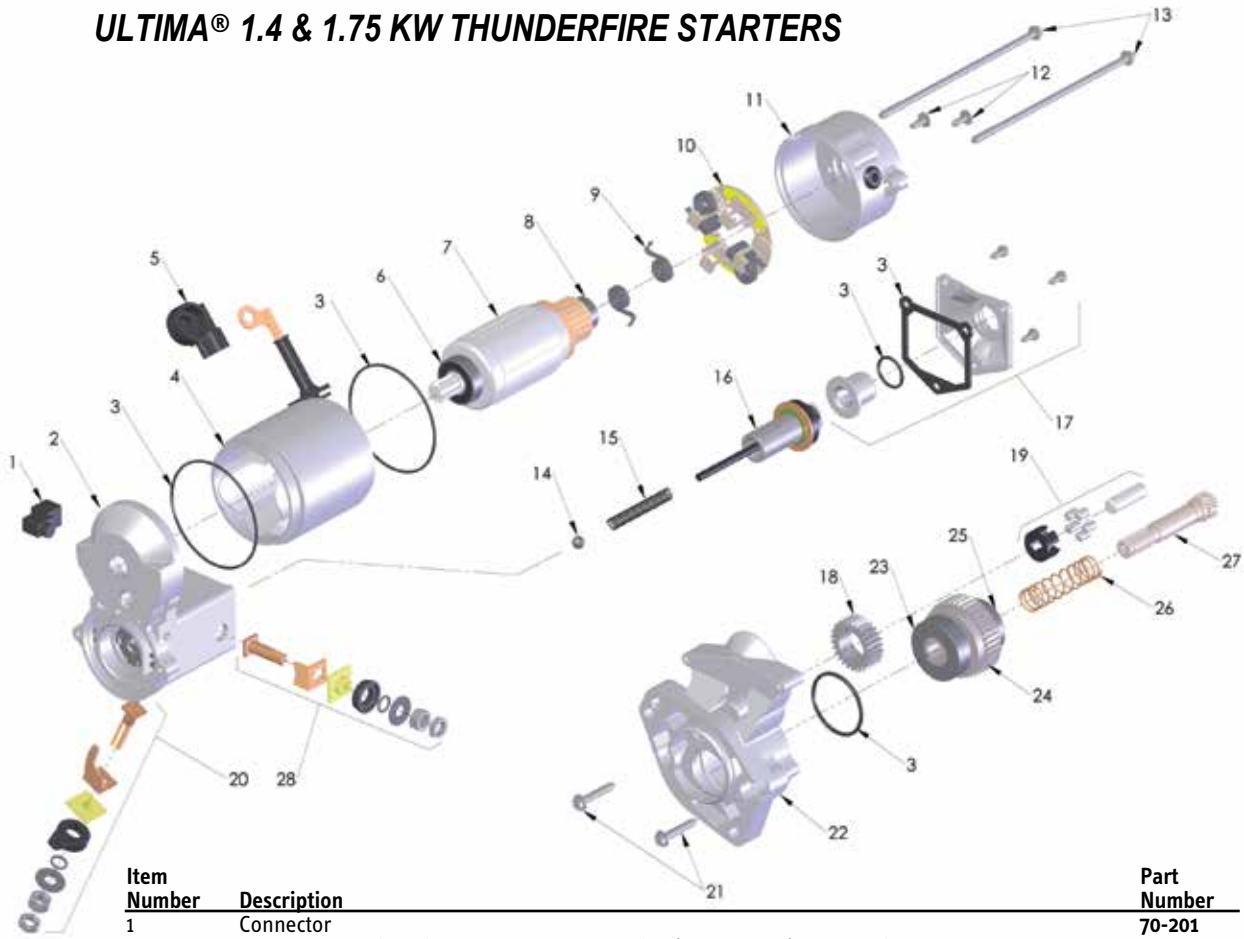
70-235	1.4 Kw, Thunder Fire™ starter, wrinkle black.
70-236	1.4 Kw, Thunder Fire™ starter, chrome plated.
70-237	1.4 Kw, Thunder Fire™ starter, plain.

1.75 KW SERIES

70-238	1.75 Kw, Thunder Fire™ starter, wrinkle black.
70-239	1.75 Kw, Thunder Fire™ starter, chrome plated.
70-240	1.75 Kw, Thunder Fire™ starter, plain.

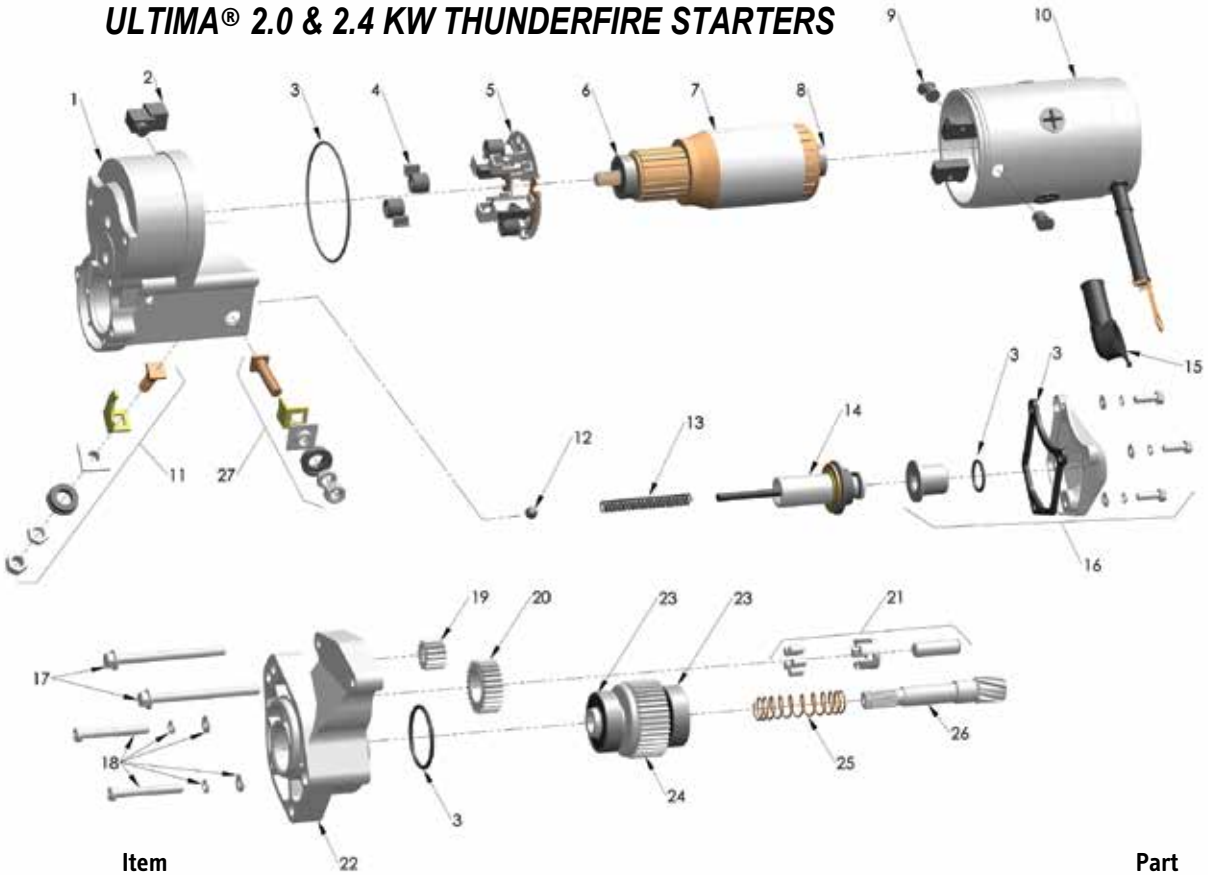
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ULTIMA® 1.4 & 1.75 KW THUNDERFIRE STARTERS



Item Number	Description	Part Number
1	Connector	70-201
2	Electro-magnetic Switch Assembly and Housing (Angled Post), Chrome, includes # 1,20,28	70-204
	Electro-magnetic Switch Assembly and Housing (Angled Post), Black, includes # 1,20,28	70-203
	Electro-magnetic Switch Assembly and Housing (Top Post), Chrome, includes # 1,20,28	70-266
	Electro-magnetic Switch Assembly and Housing (Top Post), Black, includes # 1,20,28	70-290
3	Starter Seal/Gasket Kit	70-212
4	Yoke Assembly, Includes Internals plus 2 Brushes and Connector (for 1.4KW Starter), Chrome	70-213
	Yoke Assembly, Includes Internals plus 2 Brushes and Connector (for 1.4KW Starter), Black	70-207
	Yoke Assembly, Includes Internals plus 2 Brushes and Connector (for 1.75KW Starter), Chrome	70-214
5	Insulating Boot	70-215
6	Bearing, Armature, 6002 Series	70-217
7	Armature Assembly (for 1.4KW Starter), includes # 6,8	70-205
	Armature Assembly (for 1.75KW Starter), includes # 6,8	70-206
8	Bearing, Armature, 608 Series	70-267
9	Spring, Brush - Includes 2 springs	70-268
10	Brush Plate Assembly, Includes 2 Brushes and 2 Springs	70-208
11	Starter End Cap, Chrome	70-269
	Starter End Cap, Black	70-263
12	Fastener Kit, Brush Plate (2 Screws), Chrome	70-270
	Fastener Kit, Brush Plate (2 Screws), Black	70-264
13	Fastener Kit, Starter Housing (2 Screws), 1.4 KW, Chrome	70-271
	Fastener Kit, Starter Housing (2 Screws), 1.4 KW, Black	70-265
	Fastener Kit, Starter Housing (2 Screws), 1.75 KW, Chrome	70-307
14	Steel Ball	70-272
15	Spring	70-273
16	Plunger Assembly	70-250
17	Solenoid Cover Assembly (for 1.4KW Starter), Chrome	70-251
	Solenoid Cover Assembly (for 1.4KW Starter), Black	70-261
	Solenoid Cover Assembly w/push button (for 1.75KW Starter)	70-274
18	Idler Gear	70-252
19	Bearing and Shaft Assembly, Idler Gear	70-253
20	Starter Post Assembly, Main Power (long post)	70-254
21	Fastener Kit, Starter Housing (2 Screws)	70-255
22	Face Plate, Starter Housing, Chrome	70-256
	Face Plate, Starter Housing, Black	70-262
23	Bearing, Clutch, 6004 Series	70-257
24	Clutch Assembly, Starter, includes # 23,25	70-211
25	Bearing, Clutch, 6904 Series	70-258
26	Spring	70-259
27	Output Shaft, Starter	70-260
28	Starter Post Assembly, Solenoid to Starter Motor (short post)	70-283

ULTIMA® 2.0 & 2.4 KW THUNDERFIRE STARTERS



Item Number	Description	Part Number
1	Electro-magnetic Switch Assembly and Housing (Angled Post), 2.0 KW, includes # 2,11,27	70-275
	Electro-magnetic Switch Assembly and Housing (Top Post), 2.0 KW, includes # 2,11,27	70-285
	Electro-magnetic Switch Assembly and Housing (Angled Post), 2.4 KW, includes # 2,11,27	70-299
	Electro-magnetic Switch Assembly and Housing (Top Post), 2.4 KW, includes # 2,11,27	70-301
2	Connector	70-276
3	Starter Seal/Gasket Kit, 2.0 KW	70-277
	Starter Seal/Gasket Kit, 2.4 KW	70-302
4	Spring, Brush, 2.0 KW - Includes 2 springs	70-278
	Spring, Brush, 2.4 KW - Includes 2 springs	70-303
5	Brush Plate Assembly, 2.0 KW, Includes 2 Brushes and 2 Springs	70-279
	Brush Plate Assembly, 2.4 KW, Includes 2 Brushes and 2 Springs	70-304
6	Bearing, Armature, 6200 Series	70-280
7	Armature Assembly (for 2.0KW Starter), includes # 6,8	70-281
	Armature Assembly (for 2.4KW Starter), includes # 6,8	70-282
8	Bearing, Armature, 608 Series	70-267
9	Yoke Nut-Pin (2 Nut-Pins)	70-284
10	Yoke Assembly, Includes Internals plus 2 Brushes and # 9 (for 2.0KW Starter)	70-286
	Yoke Assembly, Includes Internals plus 2 Brushes and # 9 (for 2.4KW Starter)	70-287
11	Starter Post Assembly, Main Power (long post)	70-288
12	Steel Ball	70-272
13	Spring	70-273
14	Plunger Assembly	70-289
15	Insulating Boot	70-291
16	Solenoid Cover Assembly, w/Push Button	70-292
17	Fastener Kit, Starter Housing (2 Screws)	70-293
18	Fastener Kit, Starter Housing (2 Screws, 2 Washers)	70-294
19	Drive Gear, Armature	70-295
20	Idler Gear 2.0 kw	70-296
	Idler Gear 2.4 kw	70-305
21	Bearing and Shaft Assembly	70-297
22	Face Plate, 2.0 KW, Starter Housing	70-298
	Face Plate, 2.4 KW, Starter Housing	70-306
23	Bearing, Clutch, 6004 Series	70-257
24	Clutch Assembly	70-247
25	Spring	70-248
26	Output Shaft, Starter	70-249
27	Starter Post Assembly, Solenoid to Starter (short post)	70-300

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ULTIMA® THUNDER FIRE™ HEAVY DUTY STARTERS FOR 1965 THRU 1986 MODEL BIG TWINS

Thunderfire

Our Starters are designed to replace the obsolete designs of the Prestolite and Hitachi starters used on 1965 thru 1986 model Big Twins. Based on all new tooling some of these models will offer over two times as much cranking power over their older designed counterparts. These starters boast a 1.4 + KW rating and will turn over Stockers and Strokers with ease. These are a highly recommended upgrade for older models.

70-231 1980/1985 FLT, FLHT, FXR models rubber mounted engine, 5 speed transmission and exposed rear chain.
70-230 All Big Twin models 1986 thru 1988.
70-232 1979/Early '84 models with 4 speed transmission and rear chain drive.
70-233 All Big Twin models 1967/ Early 1979 with solid mount engine.


70-230


70-231


70-232

ULTIMA


70-233

THUNDER FIRE® HEAVY DUTY STARTERS FOR 1981/ LATER SPORTSTERS®

These starters boast a 1.4 + KW rating and will turn over Stockers and Strokers with ease. These are a highly recommended upgrade for 1981 thru 2007 Sportster® models.

70-234 1981 / 2007 Sportster® models.


70-234



E. ULTIMA® THUNDERFIRE® STARTERS FOR YAMAHA

These starters feature OEM fitment in both natural and chrome finishes. Starters are made to fit all years. High output starters are also available! If you are looking for a starter look no further, these THUNDERFIRE® starters will fit your bike and your budget!

70-244 THUNDERFIRE® STARTER, Yamaha Road Star, 1999/2007 Chrome Finish

A. *ULTIMA® THUNDER FIRE™ PRESTOLITE-TYPE STARTER MOTORS*

Fits FL 1966 thru 1981, FLT 1980 thru 1982, FXR 1982, XL 1967 thru 1973, and XL 1977 thru 1980.

A fine restoration item, this reproduction of the H-D® OEM Prestolite electric starter motor is available in chrome or black. We also offer many of the replacements parts for this starter motor.

70-130 Complete black starter motor assembly. OEM 31458-66A. SOLD EACH

70-131 Complete chrome starter motor assembly. OEM 31458-66A & 31463-88T. SOLD EACH



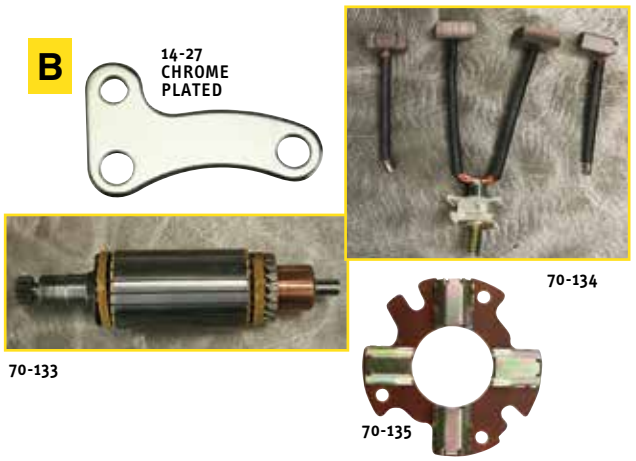
B. *REPLACEMENT PARTS FOR PRESTOLITE-TYPE STARTER MOTORS*

70-133 Armature for above starter motors. OEM 31542-66. SOLD EACH

70-134 4-Brush set for above starter motors. OEM 31541-66. SOLD AS SET

70-135 Complete brush holder assembly. OEM 31537-66. SOLD EACH

14-27 Prestolite starter motor bracket. Fits FL models late 1966 thru 1982 and Classic 1979 thru 1981. Replaces OEM 31476-66. Chrome plated. SOLD EACH



C. *ULTIMA® THUNDER FIRE™ HITACHI-TYPE STARTER MOTORS*

Fits FL 1982 thru 1984, FXR & FLT 1983 thru 1988, FXST 1984 thru 1988, FXE 1974 thru 1988, and XL 1974 thru 1976.

A reproduction of the H-D® OEM electric starter motor used on many applications from 1973 thru 1987 is available in chrome or black. We also offer many of the replacements parts for this starter motor.

70-138 Complete black starter motor assembly. OEM 31570-73. SOLD EACH

70-139 Complete chrome starter motor assembly. OEM 31570-73 & 31559-89T. SOLD EACH



D. *REPLACEMENT PARTS FOR HITACHI-TYPE STARTER MOTORS*

70-142 4-Brush set for above starter motors. OEM 31582-73. SOLD AS SET

70-143 Complete brush holder assembly. OEM 31581-73. SOLD EACH

70-144 Drive gear end ball bearing. OEM 31583-73. SOLD EACH

70-145 Thru-bolt kit. OEM 31576-73. SOLD AS KIT

14-26 Battery and Hitachi starter motor bracket. Fits FXE 1973 thru 1984. Chrome plated. SOLD EACH

E. *ULTIMA® THUNDERFIRE STARTER PUSH BUTTON*

70-330 Fits all OEM style 89' and later 1.2kw, 1.4kw and 1.75kw starters. Same part used on all Thunderfire 1.4 and 1.75kw starters. SOLD AS KIT





F. *DIRECT STARTER BUTTON*

17-301 Fits Big Twin 1990 & later, and Sportster® 1995 & later. SOLD EACH

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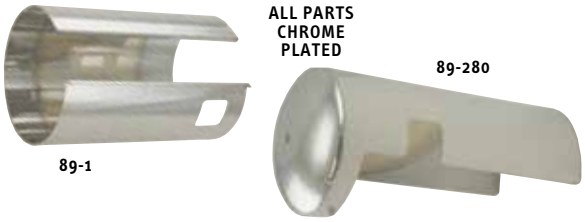
A. *VICTORY® STARTER 1999/2008* NEW!

★**70-331** OEM replacement, all Victory® models, 1999/2008. Silver.

★**70-332** OEM replacement, all Victory® models, 1999/2008. Black.

B

ALL PARTS CHROME PLATED



B. *STARTER COVERS*

89-1 For Prestolite starter motor on FL 4 speed (except Classic) 1966 thru 1982, and XLH 1967 thru 1980. OEM 31350-83T. SOLD EACH

89-280 For all 5 speeds 1980 thru 1988. OEM 31507-87T.

C



CHROME PLATED

C. *STARTER MOTOR END COVER*

89-34 Fits 1968 & later starter motors only. For use on H-D® 74", 80" and Sportster®. OEM 31565-67. SOLD EACH

D



D. *ULTIMA® REPLACEMENT SOLENOIDS*

PART NO.		REPLACES OEM NO.	YEAR	MODEL
53-284	Chrome finish	71469-65B	1967/1978	XLH, XLCR & XLT.
53-456	Zinc finish,	1965/1984		FL & FLH (except FLT).
			1971/1985	FXE, FXEF & FXS
			1979/1985	FXE-80, FXEF-80 & FX-80
			1980/1985	FXB.
			1984/1988	FXST
			1983/1985	FXSB.
			1985 & 1986	FXWG.
53-286	Chrome finish	31489-79B	1980/1988	FLT.
53-457	Zinc finish,		1984/1988	FLT Classic.
			1982/1988	FXR.
			1984/1988	FXRP.
			1984/1988	FXRP.

SOLD EACH

E



E. *SOLENOID REPAIR KITS*

53-288 Repair kit for Big Twins 1965-1988 & Sportster® 1967-1980. OEM 71465-85T. SOLD AS KIT

70-184 Repair kit for Big Twins 1991 & later. OEM 31604-91.

53-289 Repair kit for Big Twins 2006 & later. OEM 31604-06.

U.S.A. MADE



F. *SOLENOID COVER*

Fits all models 1991 & later except V-Rod®.

89-8 Chrome cover. Replaces OEM 31783-00 & 31688-90. SOLD EACH

G. *BENDIX STARTER GEAR SHIFT LEVERS*

53-293 Fits Sportster® 1967 thru 1980 OEM 31424-67. SOLD EACH

53-294 Fits Big Twin 1965 thru 1980. OEM 31445-65A.

F



CHROME PLATED

G



A. *STARTER SHAFT*

70-111 Fits FL 1970 thru 1982, FX 1971 thru 1984, FXWG 1980 thru 1983, chain drive 4 speed models. OEM 31482-70. SOLD EACH

B. *STARTER JACKSHAFT ASSEMBLIES*

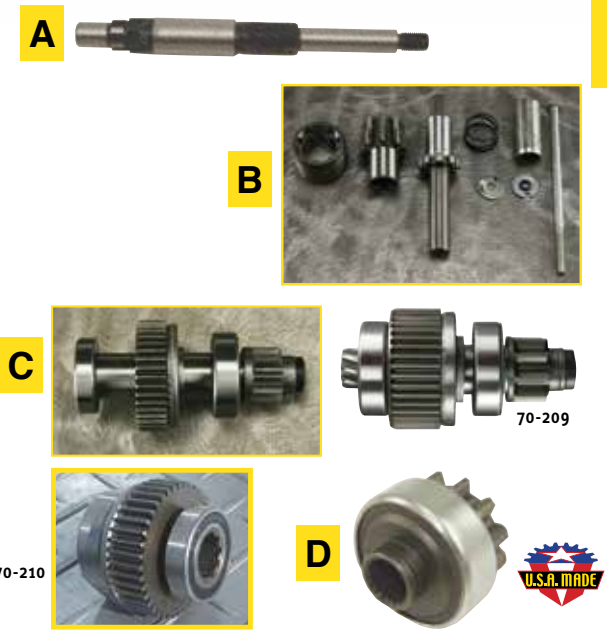
Complete starter jackshaft assembly;including coupler, spring and all necessary clips. SOLD AS ASSY

70-181 Fits Big Twin 1989 thru 1993, 9 tooth.
70-182 Fits Big Twin 1994 & later, 10 tooth.

C. *STARTER DRIVE CLUTCH ASSEMBLIES*

Made by the biggest name in starter drives — Accurate. High quality and great price.

70-209 Replaces OEM 31567-81. Use on Sportster® 1981 thru 1990. SOLD EACH
70-210 Replaces OEM 31663-90. Use on Big Twin 1991 thru 2002, and Sportster® 1991 thru 2002.
70-211 Best value. Replaces OEM 31663-90. Same application as above part No. **70-210**.
70-310 Replaces OEM 31626-06, 2007-up.



D. *STARTER GEAR*

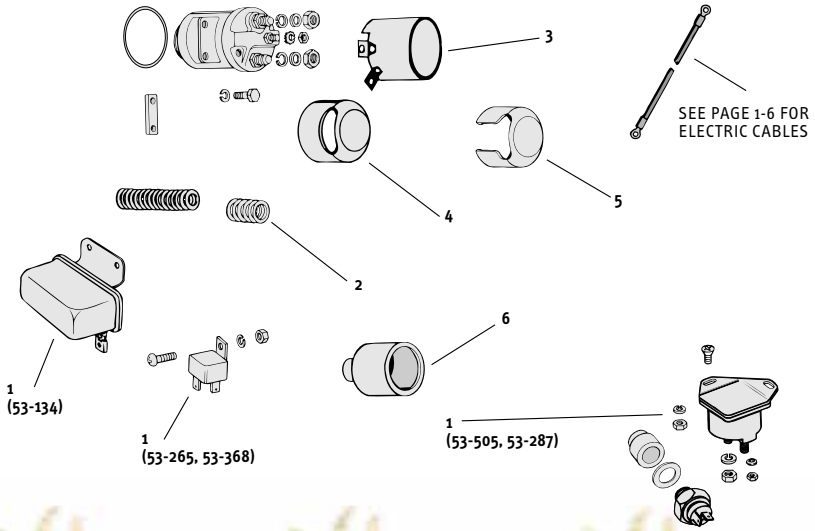
U.S.A. MADE Bendix 5 roller starter gear. For 1965 thru 1988. Replaces OEM 31443-65.

53-157 Midwest brand (best buy). SOLD EACH

STARTER/SOLENOID PARTS FOR H-D® ALL YEARS

SOLD EACH EXCEPT AS NOTED

1	**53-134**	STARTER RELAY FL & FLH 1965/1973, XLH 1967/E. 1968, AND XLH L. 1971 / 1974. ZINC FINISH (OEM 71455-67)
	53-265	STARTER RELAY 1980/1992 MOST MODELS BIG TWIN & SPORTSTER®. MIDWEST (BEST BUY) (OEM 31506-79B)
	53-368	STARTER RELAY 1980/1992 MOST MODELS BIG TWIN & SPORTSTER®. ACCEL (OEM 31506-79B)
	53-695	MULTI USE ELECTRICAL RELAY 14VDC. OEM 31504-91A. **NOTE:** DUE TO MID YEAR CHANGE, EARLY 1993 APPLICATION IS NOT LISTED. YOU MUST CHECK THE RELAY TO DETERMINE WHICH TYPE YOU NEED.
	53-407	FITS L. 1993 & LATER MODELS BIG TWIN & SPORTSTER® (OEM 31504-91A). ALSO USED AS BRAKE LIGHT RELAY ON 1991 & LATER FLT MODELS.
	53-505	BLUE STREAK STARTER RELAY (OEM 71463-73)
	53-287	**U.S.A. MADE** STARTER RELAY (OEM 71463-73)
2	**53-325**	OVER RUN SPRING BIG TWIN 1956/1988 AND SPORTSTER® 1965/1980 (OEM 31438-65A)
3	**89-46**	CHROME SOLENOID COVER
4	**53-247**	BLACK RUBBER SOLENOID BOOT ALL MODELS (OEM 31444-65A)
5	**89-237**	CHROME SOLENOID END COVER ALL MODELS. FITS OVER RUBBER SOLENOID BOOT
6	**53-321**	RUBBER SOLENOID INNER BOOT BIG TWIN 1965/1988 AND SPORTSTER® 1967/1980 (OEM 31441-65A)



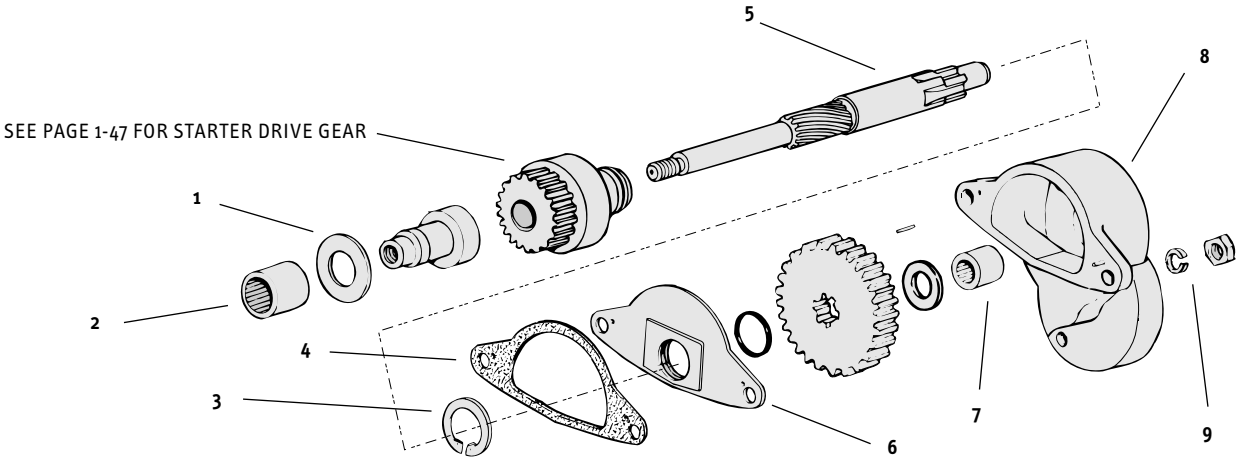
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STARTER DRIVE PARTS

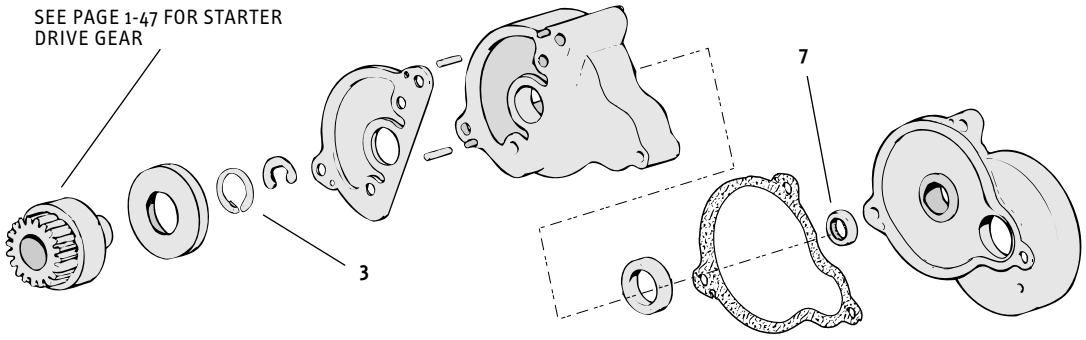
SOLD EACH EXCEPT AS NOTED — ALL PARTS MEET OR OR EXCEED OEM SPECIFICATIONS

1	**95-413**	THRUST WASHER FL & FX 1965/1985 (OEM 31502-65) SOLD AS PAIR
2	**95-226**	NEEDLE BEARING (OEM 9063)
3	**96-310**	RET. RING (OEM 11039) **U.S.A. MADE**
4	**78-155**	GASKET FL, FLH & FX, 1965/1982 (OEM 60559-80)
5	**70-111**	STARTER SHAFT FL 1970/1982 FX 1971/1983 EXCEPT FXB & FXSB (OEM 31482-70)
6	**53-295**	OIL DEFLECTOR PLATE 1965/1982 (OEM 60516-65A)
7	**95-598**	STARTER SHAFT BEARING TORRINGTON (OEM 9062)
8	**70-109**	STARTER HOUSING PRESTOLITE TYPE STARTER. 1965/E. 1979. (OEM 31465-65)
	70-110	STARTER HOUSING HITACHI TYPE STARTER 1973/E. 1979. (OEM 31572-73)
9	**96-241**	LOCKWASHER (OEM 7036)

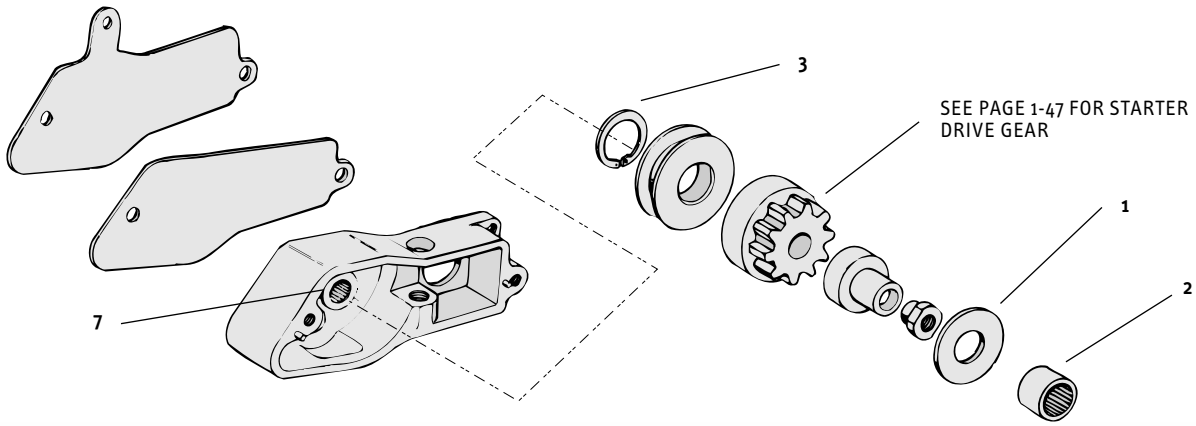
BIG TWIN 1965 THRU 1982



BELT DRIVE BIG TWIN 4 SPEED 1982 & LATER



SPORTSTER® 1967 THRU 1980



A. *ELECTRIC HORN*

This air horn produces total sound output of 107 decibels. Ideally suited for application on motorcycles and autos where mounting space is limited and air horns cannot be used. Relay, brackets and hardware included in blister packed set.

16-17 Electric horn, 107 decibles. SOLD AS SET

B. *SQUEEZE BULB HORN*

16-13 Squeeze bulb horn, 7" long. SOLD EACH

C. *H-D® STYLE ELECTRIC HORN*

Early style horn.

16-18 12V Horn. SOLD EACH

D. *ELECTRIC HORN*

2-1/2" dia., 12V horn, chrome.

16-24 Chrome, 12V Horn. SOLD EACH

E. *HORN COVER*

Stock style horn cover. Chrome plated.

89-414 Fits 1986 thru 1992 Sportster® and 1991 & 1992 FLT & Softail®. OEM 69012-86A. SOLD EACH

F. *SINGLE HORN*

High quality chrome finish. Comes with mounting bracket.

16-21 6 Volt horn. SOLD EACH
16-22 12 Volt horn.

G. *CUSTOM UNIVERSAL HORN WITH COVER*

This 12V horn with spade style terminals has a universal mounting bracket and a chrome plated snap-on cover.

16-32 12 Volt universal horn. SOLD EACH

H. *IGNITION STARTER SWITCH*

This starter switch has fast become a custom builder's favorite due to its many features. Designed for marine use, it has special weatherproofing & stainless steel terminals. Push key for choke can be used to activate horn. Overall length 2", diameter 1-1/2", mounting hole 13/16", with flat side so switch can't turn in hole. Furnished with terminal hardware, mounting nut and two keys. May also use with magneto. Switch housing is made of Black Delrin — "strong stuff."

17-1 Ignition starter switch. SOLD EACH

I. *IGNITION SWITCH, IGNITION-STARTER SWITCHES*

17-21 **U.S.A. MADE** 3 Way ignition switch: left accessories, center off, right accessories & ignition. Mounts thru 3/4" hole. SOLD EACH

17-27 **U.S.A. MADE** 4 Way ignition switch: left accessories, center off, right accessories & ignition, extreme right start. Four stud terminal. Mounts thru 3/4" hole.

A



CHROME PLATED

B



C



CHROME PLATED

D



E



CHROME PLATED

F



G

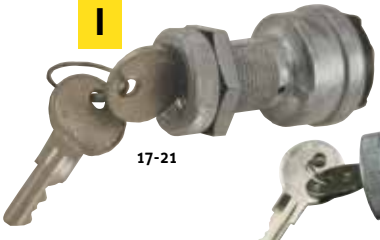


CHROME PLATED

H



I



17-21

17-27

1

A

CHROME PLATED



17-74



17-60

A. *IGNITION SWITCHES*

17-74	Fits FX, FXE, XLH & XLCH, 1973 thru 1977. OEM 70124-75.	SOLD EACH
17-60	Fits FX 1978 thru 1985, FXR 1982 thru 1988 and XL 1978 thru 1988. OEM 71425-77.	

B. *FAT BOB® STYLE IGNITION SWITCH with ROUND KEY*

Switch fits FLH, FLHR, and FXDWG models, 1995 & later, and all Softail® models 1996 & later.

17-115	Switch with round key. Replaces OEM 71501-93 & OEM 714313-96.	SOLD EACH

B



C. *CHROMED IGNITION SWITCH*

For Big Twin. Replaces OEM 7150136A. Both early cover included.

17-45	Switch with covers & keys.	SOLD EACH
17-801	Mechanical switch with round key.	
17-803	Stainless steel mechanical switch with round key.	

C

CHROME PLATED



17-45



17-803

D. *ROUND KEY IGNITION SWITCHES*

Now the ignition can have the security of a round key with multi-position switch. Key won't fall out in the "Off" position. Fits all FXR & XL, FX 1973 thru 1985, and all FXD. OEM 71428-90A. Easy installation.

17-84	Two-position switch.	SOLD EACH
17-124	Three-position switch.	

D



17-84

CHROME PLATED



17-124

E. *FAT BOB® STYLE ELECTRONIC IGNITION SWITCHES*

Reproduction of late style switch retrofits to earlier models to give the ease of electronic ignition. Resists corrosion & vibration. Includes reversible keys and both styles of switch caps.

17-109	Switch with all stainless steel construction (best quality).	SOLD EACH
17-802	Standard switch with round key.	
17-85	Standard switch.	
17-804	Stainless steel switch with round key.	

E

CHROME PLATED



17-109



17-802

F. *CHROME SWITCH COVER FOR RELOCATION*

Chrome cover-up for when you custom mount the ignition switch. Also used with our Ultima® rigid Build-A-Bike® kit and our part No. **5-218** heavy duty motor mount.

17-25	Custom cover for relocated ignition switch.	SOLD EACH

G. *KEY SWITCH PLATES*

17-3	Universal. Mounts anywhere. 3/4" Switch hole.	SOLD EACH
17-9	Locates switch on transmission cover forward or rear of kicker arm on Big Twin. 3/4" Switch hole.	

F



CHROME PLATED

G



17-3

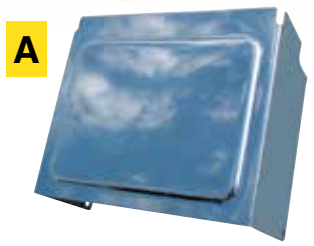


17-9

CHROME PLATED

A. *BATTERY COVER FOR FXD*

89-501 For FXD 1997 & later. Replaces OEM 66375-99. SOLD EACH



B. *WRAP AROUND BATTERY COVERS*

89-35 For electric start Super Glide® 1973-1986 except FXR & FXRS, also Sportster® 1982-2003. Plain. SOLD EACH

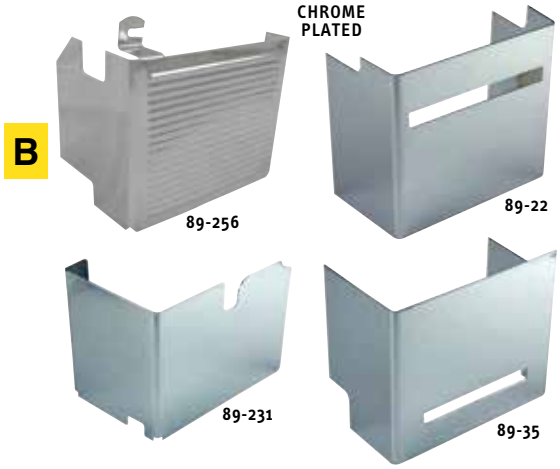
89-255 Fits FL, FLH, FLH-80, Classic, 1970-later. Ribbed. OEM 66378-70.

89-22 For BSA/Triumph, Sportster® XLCH (kickstart) 1970 thru 1978, and Super Glide® kickstart. Plain.

89-143 For Sportster® 1980 & 1981. Plain.

89-231 For early XLH, and Sportster® electric start, 1967 thru 1978. OEM 66379-67. Plain.

89-256 Same application as above part No. **89-231** except ribbed.



C. *BATTERY STRAPS*

Part No. **5-129** & **5-220** are made of black rubber. The other straps are manufactured to meet or exceed H-D® specifications from 18 gauge stainless steel with plated eye bolts to prevent rust. SOLD EACH

5-30 1967 Thru 1978 XLH & Sportster®. OEM 66470-67.

5-31 1970 And later FLH, FL & H-D® 74". OEM 66383-70.

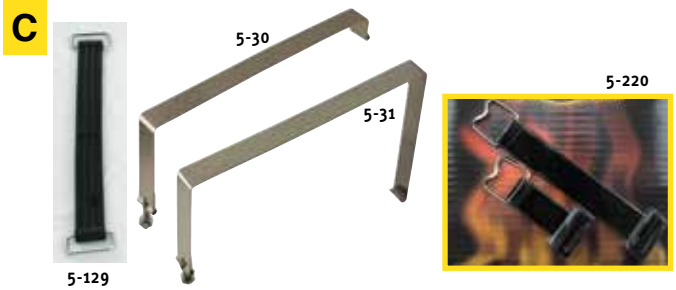
5-32 1970 And later XLCH & FX. OEM 66470-70.

5-33 1973 And later all FX, electric start and 883cc, 1100cc & 1200cc Evolution®. OEM 66476-73.

5-129* 1984/1991 FXST & FLT and 1979 Sportster®. OEM 66105-77.

5-220* 1992/1999 Softail®. 2 Piece. OEM 66109-93 & 66111-93.

*Part No. **5-129** & **5-220** are interchangeable.



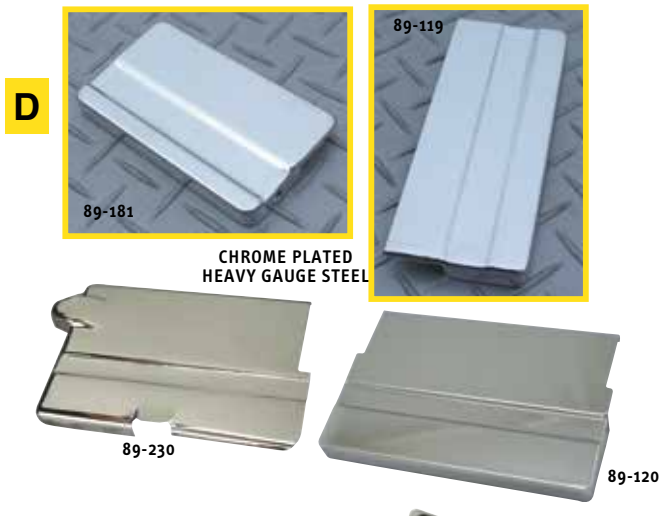
D. *BATTERY TOP COVERS*

89-120 For FL and FLH. OEM 66370-65. SOLD EACH

89-119 For FXE, FXS, FXEF & Low Rider®, also 883cc 1100cc & 1200cc Evolution®. OEM 66367-73.

89-181 All FX & Sportster® 1970 thru early 1978. Kick start only. OEM 66369-70.

89-230 For XLH 1967 thru 1978. OEM 66369-67.



E. *BATTERY CARRIER TRAYS*

Replacement battery carrier complete with battery pad, rubber mounting studs, brackets. Hardware included with kits except for part No. **14-23**.

14-20 Fits FL 1974 thru 1979. OEM 66204-74. SOLD AS KIT

14-21 Fits FXE 1973 thru 1983. OEM 66191-73.

14-23 Fits XLH 1967 thru 1977. OEM 66205-75. No hardware included.



1

A



B



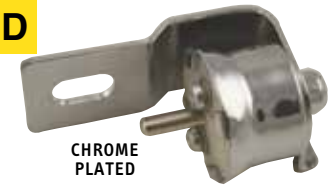
C



OEM 72003-34

OEM 42280-35

D



CHROME PLATED

E



CHROME PLATED

F

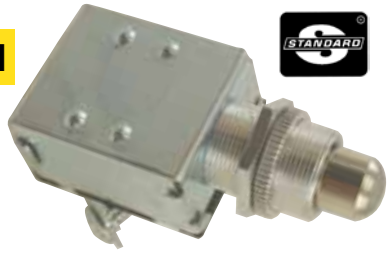




G



H



A. *BRAKE SWITCH BANJO BOLT*

21-419 Banjo bolt w/built-in b rake switch, 3/8-24 thread. SOLD EACH

B. *UNIVERSAL LUCAS TYPE STOP LIGHT SWITCH*

Virtually waterproof. Enclosed terminals. Swivel mounted 5" length.

17-19 Universal application on motorcycles, mini-bikes and snowmobiles. SOLD EACH

C. *BRAKE LIGHT SWITCH ASSEMBLY*

17-40 Fits H-D® 74 C.I. mechanical brake. Includes OEM 72003-34 & 42280-35. SOLD AS KIT

D. *REAR STOPLIGHT SWITCH for FX*

Rear push type stoplight switch for FX 1973 thru 1977.

17-75 Rear stoplight switch. Replaces OEM 72005-73A. SOLD EACH

E. *STOPLIGHT SWITCH for SPORTSTER®*

Push off type switch for 1967 thru 1974 Sportster® rear brakes. Can also be used on many custom applications where the brake pedal pushes against the switch for the off position. Replaces OEM 72004-70.

17-58 Stoplight switch. SOLD EACH

F. *HEAVY DUTY STARTER SWITCH*

This is by far the best **U.S.A. MADE** custom switch you could install. Look at the list of features incorporated into this universal mounted push button switch:

- 60 Amps at 12V.
- Housing rolled over insulator to seal out dust & moisture.
- Silver contacts.
- Black molded plunger.
- Chrome plated protection collar prevents accidental start.
- Combination screw and 1/4" male blade terminal with locking hole.

17-82 Mounting stem 5/8" long, 5/8" diameter, 1-13/16" overall length. SOLD EACH

G. *STAINLESS PUSH BUTTON SWITCHES*

Heavy duty 12v switch measures 7/8" dia. and flush mounts to any flat surface.

17-133 Polished stainless push button switch. SOLD EACH

H. *UNIVERSAL PUSH BUTTON STARTER SWITCH*

Universal insulated switch with two screw terminal. Mounts through 5/8" hole.

17-30 SOLD EACH

A. *HANDLEBAR PUSH BUTTON SWITCH*

17-35 Handlebar starter or horn switch to fit H-D®. OEM 71800-26A. — SOLD EACH

B. *MINI PUSH BUTTON SWITCH*

12mm Round small stainless steel push button switch includes a special radius shaped spacer for in-handlebar mounting. Must be used with a switch relay. May be used for turn signal, starter, horn, kill, or high / low. With the spacer removed, it can be installed on flat surfaces.

17-131 Mini switch. Installation requires a 9/32" (7.1mm) drill and 5/16" UNF tap. Includes two 20" wires. — SOLD EACH

C. *HEAVY DUTY TOGGLE SWITCHES*

U.S.A. MADE toggle switches available in 2 position on-off or 3 position on-off-on. Butt mount thru 1/2" hole.

17-46 2 Position, on-off. — SOLD EACH
17-47 3 Position, on-off-on.

D. *HORN & HEADLIGHT DIP SWITCH*

17-41 Switch for 7/8" diameter. — SOLD EACH
17-42 Switch for 1" diameter.

E. *HANDLEBAR SWITCH*

17-36 Handlebar light switch to fit H-D®. Replaces OEM 71840-29. — SOLD EACH

F. *HORN BUTTON / KILL SWITCH*

Compact horn button/kill switch.

17-5 Switch for 1" diameter. — SOLD EACH

G. *HANDLEBAR CONTROL SWITCHES FOR H-D® 1971 THRU 1981*

These replacements for OEM units are available factory color black or chrome as listed below. SOLD EACH

CHROME	BLACK	OEM NO.	DESCRIPTION
17-87	**17-53**	71547-75	Rocker switch run/off.
17-88	**17-54**	71546-75	Rocker switch hi/low.
	17-49	72001-69A	Handlebar stoplight switch.
	17-51	71484-72	Switch for starter, horn, or turn signal on H-D® handlebar controls.
17-89	**17-50**	71535-72	Long button cap for turn signal handlebar switch.
17-90	**17-52**	71534-72	Short button cap for turn signal handlebar switch.

A

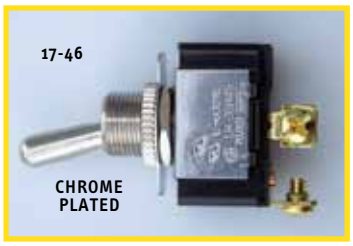


CHROME PLATED

B



C



U.S.A. MADE

D



E



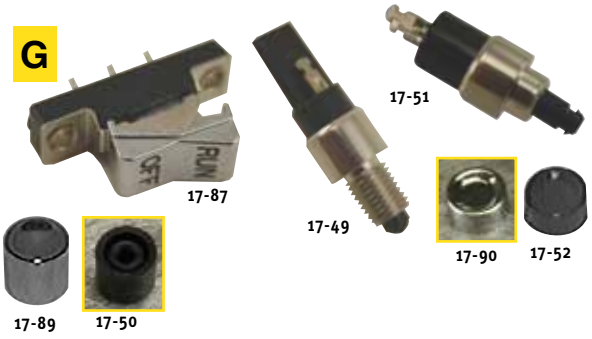
CHROME PLATED

F



CHROME PLATED

G



1

A



47-276



47-277

A. *HANDLEBAR CONTROLS WITH LED BACKLIGHT*

Handlebar control switch kits with LED backlight displays for all the symbols. Includes 60" of wiring, terminals & hardware. **SOLD AS KIT**

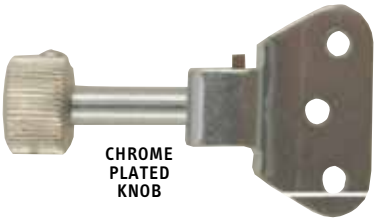
47-275 Fits 2007-up Softail® & Dyna® models, chrome switch.
47-276 Fits 2007-up Softail® & Dyna® models, black switch.
47-277 Fits 1996-2006 Softail® & Dyna® models, chrome switch.
47-278 Fits 1996-2006 Softail® & Dyna® models, black switch.

B. *DIMMER SWITCH*

Cateye dash mounting plate dimmer switch with knob. Includes two rivets and set screw. OEM 71600-39.

17-57 Fits part No. **21-129** cateye mounting plate. **SOLD EACH**

B



CHROME PLATED KNOB

C. *BLUE STREAK VOES*

VACUUM OPERATED ELECTRICAL SWITCHES

High quality **U.S.A. MADE** vacuum operated electrical switches for use as direct replacements or custom bike building.

DIRECT OEM REPLACEMENTS **SOLD EACH**

PART NO.	OEM NO.	YEAR	MODEL
53-650	26558-84	1986/1993	All Sportsters®.
		1984/1990	FXST.
		1986/1989	FLT.
53-651	26557-83	1983/1985	XL, XLS & XLX.
		1984/1990	All FXR.
53-652	26566-91	1991/1995	All FXST & FLST.

SELF ASSEMBLY KITS **SOLD EACH**

53-653 Set at 3" of mercury. **53-655** Set at 5" of mercury.
53-654 Set at 4" of mercury. **53-656** Set at 6" of mercury.

C



53-650



53-655



53-651

D. *CIGARETTE LIGHTER*

Cigarette lighter and mounting bracket, with wire.

18-83 Cigarette lighter; fits any bike. **SOLD EACH**

D

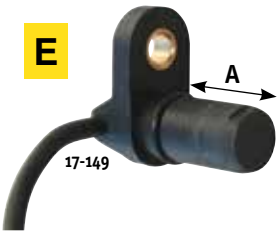


E. *SPEEDOMETER SENSORS*

Used to send electronic pulses to the speedometer from 5 & 6 speed transmissions. A = protrusion depth

17-149 Speed sensor, OEM 74402-95B A = 1.190" SOLD EACH
17-150 Speed sensor, OEM 74420-94C A = 0.810" SOLD EACH
17-151 Speed sensor, OEM 74437-96 A = 0.810" SOLD EACH

E



17-149



17-150

A. *ULTIMA® SPEEDOMETER RECALIBRATION MODULE* NEW!

A speedometer recalibration module is required when changing the gearing or tire size on a motorcycle that doesn't have a programmable speedometer. This module adjusts the output of the speedometer sensor so that the speedometer registers the correct MPH.

★**17-152** Speedometer recalibration module SOLD EACH

A



DEUTSCH CONNECTORS

B. *DEUTSCH RECEPTACLES*

REQUIRE DEUTSCH OPEN OR SOLID CRIMP PINS

12-WIRE CONNECTOR
18-610 Grey, OEM 72109-94GY. SOLD EACH

B



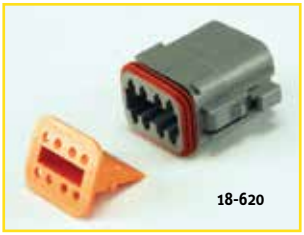
C. *DEUTSCH PLUGS*

REQUIRE DEUTSCH OPEN OR SOLID CRIMP SOCKETS

6-WIRE CONNECTOR
18-618 Grey, OEM 72116-94GY..
8-WIRE CONNECTOR
18-620 Grey, OEM 72118-94GY.
12-WIRE CONNECTOR
18-623 Black, OEM 721129-94BK.
SOLD EACH

C


18-618


18-620

DELPHI CONNECTORS

D. *DELPHI SEALED MALE CONNECTORS*

REQUIRE OPEN CRIMP MALE TERMINALS

18-627 5-wire connector.
SOLD EACH


18-623

E. *DELPHI SEALED FEMALE CONNECTORS*

REQUIRE OPEN CRIMP FEMALE TERMINALS

18-632 5-wire connector. SOLD EACH

D


18-627

E



F. *REPLACEMENT DELPHI CABLE SEALS*

18-628 Delphi cable seals. SOLD EACH

F


18-628

FRAME & BODY



CUSTOM FRAMES, HARDTAILS, STRUTS, FOOT PEGS, FENDERS, SHOCKS, MOTOR MOUNTS, SIDE STANDS, HIGHWAY BARS & FOOTBOARDS

ULTIMA® 250 SERIES RIGID STYLE FRAME



85-101 250 Ultra-wide rigid frame with 34°rake, 4" stretch downtubes, 24-1/2" backbone. SOLD EACH

Material:
1020 DOM (Drawn Over Mandrel) steel tubing.
Downtube legs are 1-3/8" O.D. for double downtube frames.
Downtube is 1-3/4" O.D. for single downtube frames.
Cradle tubes are 1-3/8" O.D. for single downtube frames.
Backbone and seat post are 1-1/2" O.D.

Special features:
Hidden axle design.
TIG Welded.
Accepts 11" fender.
Accepts Softail® style oil tank.
Accepts 250 rear tire with full width 1.5" belt.
Integral 5th bolt mounting within reinforced offset trans plate.

Included additionally:
1" Dia. rear axle kit (not shown).
Front oil tank mounts (not shown).

NOTE 1: Requires a 1-1/4" engine-to-inner primary spacer.
NOTE 2: Backbone is measured from back of neck to front of seat plate gusset. Downtube is measured from bottom of neck to top of cradle tube joint.

ULTIMA® 200 SERIES RIGID STYLE FRAME





Material:
- 1020 DOM (Drawn Over Mandrel) steel tubing.
- Legs are 1.25" O.D. with .125" thick wall.
- Backbone is 1.50" O.D. with .219" thick wall.
- Seat post is 1.50" O.D. with .219" thick wall.

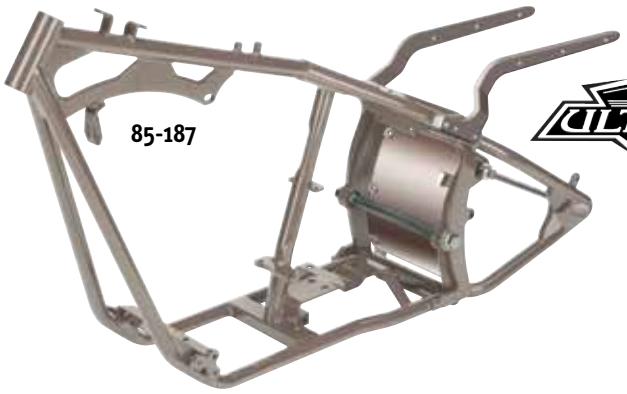
Included additionally:
- Rear axle & axle hardware.
- Front oil tank mounts.

Special features:
- Hidden rear axle design.
- TIG Welded at stress points.
- Accepts 9" fender and 1984 & later flat side gas tanks.
- Accepts Softail® style oil tank, Softail® style rear brake 1987 & later and up to 200 series tire with belt.
- Accepts 200 series tire with use of 1/2" offset kit (not included, see below).

85-183 200 Series Wide Rigid frame with tank mounts. 34° rake, 4" stretch downtubes. SOLD EACH

85-408 200 Series Wide Rigid frame, 38° rake, 8" stretch downtubes. Does not include flat side Fat Bob mounts. SOLD EACH

ULTIMA® 200 SERIES SOFTAIL® STYLE FRAMES





85-182 200 Series Wide Softail® style frame with 34˚ rake, 2" stretch downtubes, 1.5" stretch backbone, radius fender struts. SOLD EACH

85-187 200 Series Wide Softail® style frame with 34˚ rake, 2" stretch downtubes, 1.5" stretch backbone, straight fender struts. SOLD EACH

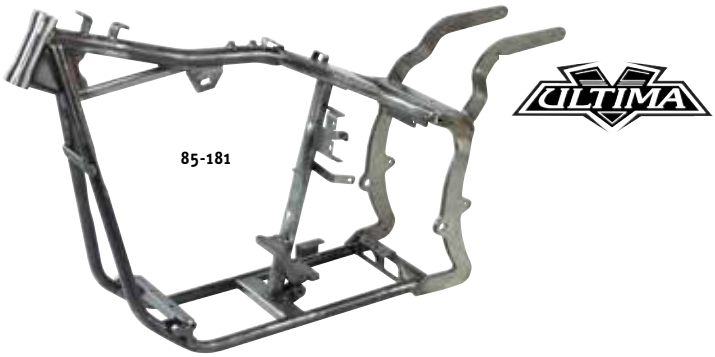
Material:
- 1020 DOM (Drawn Over Mandrel) steel tubing
- Legs are 1.25" O.D. with .125" thick wall
- Backbone is 1.50" O.D. with .219" thick wall
- Seat post is 1.50" O.D. with .219" thick wall.

Special features include:
- TIG Welded.
- Heavy duty swing arm pivot for high horsepower transfer.
- Accepts Softail® style oil tank.
- Accepts 200 series rear tire size.
- Radius backbone support with integrated top motor mount.
- One piece transmission mount for Evolution® style 5 and 6 speed transmission. Cast full width axle plates.
- Requires 1/2" offset, primary spacer, and motor sprocket or pulley.

Included additionally: High performance rear swing arm. Fender struts for 9" fender. Rear axle w/hardware. Rear frame pivot tube and hardware. Front oil tank mounts. Debris shield.

ULTIMA® STOCK SOFTAIL® STYLE FRAMES





Special features include:
- 1026 DOM Tubing.
- NC Milled motor mounts.
- TIG welded at major points.
- MIG welded on our new precision frame fixtures for accurate location & fitment.
- CNC Milled Neck.
- CNC Milled rear frame uprights.
- Accepts Softail® style oil tank.

85-181 Stock Softail® style frame with 1986 & later fender struts. SOLD EACH

85-180 Stock Softail® style frame for bolt-on fender struts or Chrome Horse® strutless fenders SOLD EACH

REPLACEMENT PARTS FOR ULTIMA® FRAMES

A. REPLACEMENT PARTS

FOR 250 ULTRA-WIDE DRIVE SOFTAIL® STYLE FRAMES

2

These parts are manufactured to provide accurate fit replacements for our frames part No. **85-100**, **85-102**, **85-104**, **85-106**, **85-107** & **85-188**. SOLD EACH

83-66 Swing arm.
83-67 Debris deflector.
83-68 Pivot tube.
83-21 Pivot tube bolt, OEM 4961.
83-23 Pivot tube bearing, OEM 9076.
83-25 Pivot tube spacer, OEM 43283-86.
32-258 Axle.
5-155 Axle adjuster kit.
33-236 Left side axle spacer.
33-237 Right side inner axle spacer.
33-238 Right side outer axle spacer.
41-180 Axle nut kit.
5-302 Seat tab.
5-303 Front oil tank mount.

B. REPLACEMENT PARTS

FOR WIDE DRIVE RIGID FRAME

These parts are manufactured to provide accurate fit replacements for our frame part No. **85-183 MANUFACTURED AFTER MARCH 2005.**

32-268 Axle. SOLD EACH
33-26 Axle spacer, stepped for caliper bracket.
33-27 Axle spacer, 2.025".
33-1 Axle spacer, .0750".
41-184 Rear axle kit containing all parts listed below. SOLD AS KIT

PART NO.	DESCRIPTION	
32-191	Axle nut kit.	INDIVIDUAL PARTS SOLD EACH
40-476	Set screw, 3/8 - 16 x 2"	
40-477	Allen bolt, 3/8 - 16 x 1.25".	

5-302 Seat tab.
5-303 Oil tank mount.
5-307 Rear fender mount.

These parts are manufactured to provide accurate fit replacements for our frame part No. **85-183 MANUFACTURED BEFORE MARCH 2005.**

32-260 Rear axle kit containing all parts listed below. SOLD AS KIT

OEM NO.	PART NO.	DESCRIPTION	
—	**32-269**	Axle.	
—	**32-191**	Axle nut.	
43654-86A	**33-1**	Axle spacer, .750"	INDIVIDUAL PARTS SOLD EACH
41595-73	**33-5**	Axle spacer, .830"	
41592-79	**33-6**	Axle spacer, 1.200"	

5-235 Chrome steel axle adjuster kit for Softail® 1987 thru 1999. Replaces OEM 47577-86, 47579-86 & 7783. SOLD AS KIT

5-303 Front oil tank mount. SOLD EACH

4 SPEED ADAPTER PLATE



This plate was made to adapt a 4 speed transmission to our part No. **85-183** 5 speed frame by welding in place. Can be used on most frames that have a 5 speed transmission plate welded in place.

96-926 4 Spd. transmission adapter plate. SOLD EACH

C. REPLACEMENT PARTS

FOR 200 SERIES SOFTAIL® STYLE FRAMES

These parts are manufactured to provide accurate fit replacements for our frame part No. **85-182 MANUFACTURED AFTER JULY 1, 2005**.

83-75 Rear section, hidden axle. SOLD EACH
32-268 Axle, old style.
32-280 Axle, hidden.
5-154 Axle adjuster kit.
41-184 Rear axle nut kit containing all parts listed below. SOLD AS KIT

PART NO.	DESCRIPTION	
32-191	Axle nut kit.	INDIVIDUAL PARTS SOLD EACH
40-476	Set screw, 3/8 - 16 x 2"	
40-477	Allen bolt, 3/8 - 16 x 1.25".	

41-185 Rear axle nut. SOLD EACH
41-186 Rear axle cover. SOLD EACH
5-302 Seat tab.
5-303 Front oil tank mount.
33-1 Right axle spacer, .0750".
33-26 Axle spacer, stepped for caliper bracket.
33-27 Left axle spacer, 2.025".
83-68 Pivot tube.
83-21 Pivot tube bolt, OEM 4961.
83-23 Pivot tube bearing, OEM 9076.
83-74 Splash guard.

40-684 Pivot tube spacer.

These parts are manufactured to provide accurate fit replacements for our frames part No. **85-182.**
MANUFACTURED BEFORE JULY 1, 2005.

83-69 Swing arm. SOLD EACH
5-303 Front oil tank mount.

D REPLACEMENT PARTS

FOR 250 SERIES RIGID FRAMES

These parts are manufactured to provide accurate fit replacements for our frames part No. **85-101**, **85-103**,.

32-262 Axle. SOLD EACH
33-242 Left side axle spacer.
33-237 Right side inner axle spacer.
33-243 Right side outer axle spacer.
41-180 Axle nut kit.
5-307 Rear fender mount bracket.
5-302 Seat tab.
5-303 Front oil tank mount.

E. STRUTS

FOR 200 SERIES SOFTAIL® FRAMES SOLD EACH

104-67 Left fender strut, radius
104-68 Right fender strut, radius
104-69 Left fender strut, straight.
104-70 Right fender strut, straight.

FOR 250 SERIES SOFTAIL® FRAMES SOLD EACH

104-63 Left fender strut.
104-64 Right fender strut.

Note: Frames manufactured before July 2005 have serial numbers on the neck. Frames manufactured after July 2005 have serial nmber on the front motor mount.

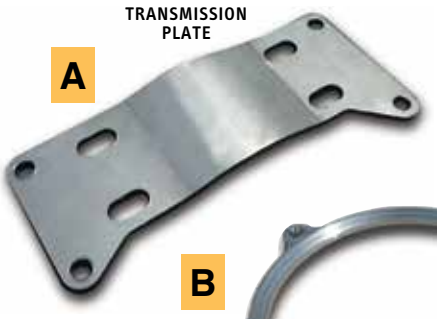
OPTIONAL PARTS FOR WIDE TIRE MOTORCYCLE ASSEMBLIES

A. BIG TWIN OFFSET TRANSMISSION BASE PLATES

Offset transmission base plates help move the driveline over to the left for use with wide tires when being used with rear belt drives.

96-612 Stock plate.
96-838 1/4" Offset plate.
96-840 1/2" Offset plate.
96-862 3/4" Offset plate.
96-850 1" Offset plate.

SOLD EACH



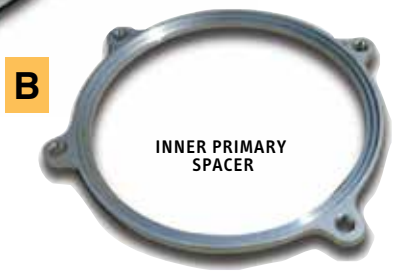
B. BIG TWIN INNER PRIMARY SPACERS

Billet 6061 aluminum spacers are used to offset the inner primary for custom wide tire applications. Used in conjunction with our offset transmission base plates, moving the driveline to the left can be a "bolt-on" operation.

96-839 1/4" Inner primary spacer.
96-841 1/2" Inner primary spacer.
96-931 1/2" Inner primary spacer (polished).
96-861 3/4" Inner primary spacer.
96-930 3/4" Inner primary spacer (polished).
96-851 1" Inner primary spacer.
96-929 1" Inner primary spacer (polished).
96-884 1-1/4" Inner primary spacer.
96-927 1-1/4" Inner primary spacer (polished).
96-885 1-1/2" Inner primary spacer.
96-928 1-1/2" Inner primary spacer (polished).

SOLD EACH

96-840 Transmission plate for Softail® with 1/2" offset. SOLD EACH



C. REAR PULLEY / SPROCKET SPACERS

Machine finish rear pulley sprocket spacers. **U.S.A. MADE**.

1999 & earlier hubs

58-180 .125" Spacer (1/8").
58-380 .250" Spacer (1/4").
94-389 .3125" Spacer (5/16").
58-381 .375" Spacer (3/8").
58-382 .500" Spacer (1/2").
58-383 .750" Spacer (3/4").
58-384 .937" Spacer (15/16").
58-385 1.10" Spacer (1-7/64").
58-386 1.25" Spacer (1-1/4").

2000 & later hubs

58-580 .125" Spacer (1/8").
58-581 .250" Spacer (1/4").
58-582 .3125" Spacer (5/16").
58-583 .375" Spacer (3/8").
58-584 .500" Spacer (1/2").
58-585 .750" Spacer (3/4").
58-586 .937" Spacer (15/16").
58-587 1.10" Spacer (1-7/64").
58-588 1.25" Spacer (1-1/4").



ULTIMA PULLEY SPACER

REAR PULLEY / SPROCKET SPACER

D. BIG TWIN SHIFTER & BRAKE BRACKET SPACERS

Sometimes you need to move your controls over when running wide frame conversions. Sometimes you need extra clearance between the exhaust and cam cover. **U.S.A. MADE**.

47-310 1/2" Shifter/kickstand bracket spacer.
47-311 3/4" Shifter/kickstand spacer.
47-312 1/2" Brake side bracket spacer.
47-313 3/4" Brake side bracket spacer.

SOLD EACH



E. EXTENDED SPROCKET SHAFTS & NUTS

Offered for centering the Big Twin 1985 & later motor in wide tire frames, these 1/2" and 1" extended sprocket shafts & nuts are useful when building with the above wide tire frames.

Extended sprocket shaft **nut** for Softail® 1984 thru 1990.

94-384 1" o.s. Length shaft nut.
94-385 1/2" o.s. Length shaft nut.

SOLD EACH

Extended sprocket shaft **nut** for Big Twin 1991 & later.

94-386 1" o.s. Length shaft nut.
94-387 1/2" o.s. Length shaft nut.

SOLD EACH



Extended **sprocket shaft** for Softail® 1991 & later, Dyna® 1991 & later, FLT 1985 & later, and FXR 1985 thru 1994. (When using compensator.)

94-382 1" o.s. Length sprocket shaft.
94-383 1/2" o.s. Length sprocket shaft.

SOLD EACH

A



B



CHROME PLATED

A. *PAUGHCO SWING ARMS, AXLES AND HARDWARE*

23-110 Axle kit fits Paughco swingarm **83-102**. SOLD AS KIT
32-140 Axle kit fits Paughco swingarm **83-103**. SOLD AS KIT

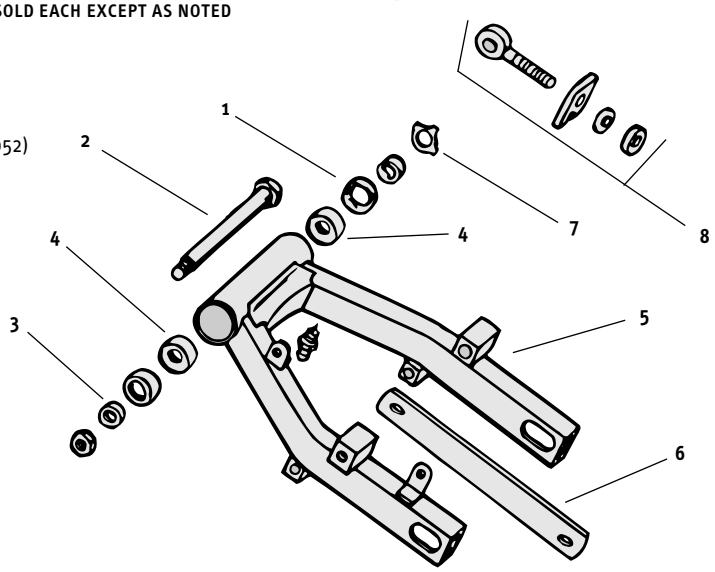
B. *TRANSMISSION BASE PLATES FOR RIGID FRAMES*

96-806 Transmission base plate with 1.5" offset for rigid frame.
96-807 Transmission base plate with 7/16" offset for rigid frame.

SWING ARM PARTS FOR BIG TWIN (EXCEPT FLT)

ALL PARTS SOLD EACH EXCEPT AS NOTED

1	**95-196**	SEAL 1958 THRU 1972 (OEM 47519-58)
	95-235	SEAL 1973 THRU 1983 (OEM 47519-72)
2	**83-7**	CHROME SWING ARM BOLT (OEM 47510-58)
3	**83-8**	CHROME SPACER (OEM 47517-58) SOLD AS PAIR
4	**95-446**	TAPERED BEARING WITH RACE. TIMKEN (OEM 9052)
5	—	
6	**83-10**	CHROME ANCHOR STRAP (OEM 44154-73)
7	**83-9**	LOCKWASHER (OEM 47513-58)
8	**5-63**	CHROME AXLE ADJUSTER.



REAR BRAKE CALIPER ANCHOR ARM BOLT KIT



These stock replacement bolts, nuts, washers and cotter pins fit 1973 thru 1983 FL & FX.

83-11 Kit, chrome plated. SOLD AS KIT

A



B



5-118

C



D

CHROME PLATED



A. *STAINLESS STEEL DEBRIS DEFLECTOR FOR CHROME HORSE® WIDE TIRE SOFTAIL® STYLE FRAME*

Our stainless steel debris deflector for Chrome Horse® wide tire Softail® style frame is polished to a mirror finish and comes with all necessary mounting hardware.

83-61 Chrome Horse® stainless steel debris deflector. SOLD EACH

B. *DEBRIS DEFLECTOR FOR SOFTAIL®*

Black plastic debris deflector fits Softail® style frames.

88-97 Debris deflector. SOLD EACH

C. *CRANK CASE GUARDS FOR BIG TWIN*

Fits Big Twin 1941 & later except FLT. OEM 24490-36.

5-84 Chromed steel. SOLD EACH
5-118 Polished stainless steel. Two times stronger than original.

D. *FRAME INSERTS FOR SOFTAIL®*

Easily installed 4 piece kit of stylish inserts for rear frame sections on Softail® 1986 thru 1991.

89-339 Chrome plated frame inserts. OEM 47300-88T. SOLD AS KIT

A. *FRAME CUSHION FOR SOFTAIL® SWING ARM*

5-197 1/4" - 20 Threaded stud/frame cushion for Softail® 1984 thru 1999 swing arm. OEM 11451.

5-261 Push in cushion, Fits 2000 & up replaces OEM# 11514 — SOLD EACH

A



B. *SOFTAIL® SWING ARM MOUNTING KIT*

Below items fit all Softail® models 1984 thru 1999. Listed below are all the parts our kit includes:

OEM NO.	PART NO.	DESCRIPTION	
48031-89A	**83-20**	Swing arm tube.	INDIVIDUAL
4961	**83-21**	Tube bolt.	PARTS
7142	**83-22**	Star washer.	SOLD EACH
9076	**83-23**	Bearing w/snap ring.	
11158	**83-24**	Snap ring.	
43283-86	**83-25**	Spacer washer.	

83-26 Kit containing all parts listed above in quantities required to mount swingarm. — SOLD AS KIT

B



C. *SWING ARM BEARING FOR TWIN CAM®*

83-45 Swing arm bearing, 2000-later, 13/16" ID. — SOLD EACH

C



D. *PIVOT BOLT COVERS FOR SOFTAIL® SWING ARM*

Covers & protects the exposed swing arm pivot bolts. Installed with socket head set screws.

89-341 Fits all Softail® 1984 thru 1991 (except Fat Boy®). OEM 43897-86. — SOLD AS PAIR

D



CHROME PLATED

E. *TOOL BOXES & MOUNTING BRACKETS*

Original style weld-on tool box brackets come in 3.0mm raw steel (for added strength), & will mount tool boxes to stock as well as most custom rigid frames.

5-117 Late model, 1953 thru 1957. — SOLD EACH

5-78 Early model, 1937 thru 1952. — SOLD EACH

5-94 Mounting kit. — SOLD AS KIT

E



5-94





5-117

F. *AXLE SLIDER KITS*

At last, a sure means of reinforcing and protecting all square section H-D® swing arms and rigid frames from distortion and finish damage by the axle and axle nut. Stainless steel.

83-19 Fits 4 speed Big Twin 1973 thru 1986, Softail® 1984 & later and Sportster® 1988 & later. Clip-in type. — SOLD AS KIT

F



G. *FRAME MOUNT RIDER PEG BRACKET FOR SPORTSTER®*

23-108 Fits Sportster® 1954 thru 1978 stock swing arm only. — SOLD EACH

G



CHROME PLATED

H. *NYLON SEAT BRACKET WASHER*

This **U.S.A. MADE** 1/4" nylon washer keeps the seat bracket from scratching the paint on the rear fender.

24-1 Fits 1982 & later FXE, FXSB, FXWG, FXST, XLH, XLS, XLX & XR-1000. OEM 6410. — SOLD EACH

H



NYLON

A





B



C



A. *RADIUM WIDE TIRE SWINGARM KIT FOR SOFTAIL®*

Radium wide tire swingarm kit, fits both Evolution and Twin cam® Softail® models. This comprehensive kit designed for a 240 Metzeler or 250 Avon style wide tire application, comes w/instructions to upgrade stock Softail® frames. Will also fit most wide custom frames. Rear fender is supplied without holes to allow custom installations. All parts supplied in this kit have been thoroughly tested and are made from high quaity materials to ensure proper operation.

83-99 Radium wide tire swingarm kit for 1991-2006 Softails®.
83-4 Radium wide tire swingarm kit for 2007-up Softails®.

B. *RADIUM WIDE DRIVE KIT FOR TOURING MODELS*

This wide tire/drive kit comes complete with all bolt-on parts necessary to install without modification. Kit includes new wide rear swingarm with a 1" axle, custom 14 gauge rear OE style fender, saddle bag support kit, drive components, billet primary spacers and all brackets & hardware necessary. Allows use of OE stock taillight, saddle bags & exhaust. Accepts 16"x 5.5" / 17"x 5.5" / 18"x 5.5" rear wheels & most tires up to 200mm wide. Requires a 20mm rear belt & pulley. Models with 18" rear use OE brake caliper, models with 16" rear require a smaller custom brake caliper. Installation of a tourpak or backrest will require OEM detachable docking hardware. Fits 02-06 FLHT, FLHR & FLTR touring models.

83-3 Radium 200mm wide drive kit for Touring models.

C. *AIR DEFLECTORS FOR TOURING MODELS*

These mid-frame air deflectors are tested for severe duty & extreme temperature applications. They attach to the frame below the seat and direct heat away from the rider to improve comfort on hot summer rides. Easy to install w/all hardware included. For 01'-later touring models, does not fit models equipped w/adjustable rider backrests.

13-110 Black mid-frame air deflector kit. SOLD AS KIT

D. *FENDER SPACERS*

Used to space narrow fenders for Wide Glide® front end.

19-246 Spacers. SOLD AS PAIR

D



A. *ULTIMA® FRONT HIGHWAY BARS*

Made from 1-1/4" dia. steel then beautifully chrome plated. Rubber banded footrest area.

105-43 FLST 1986 thru 1999. SOLD EACH

B. *FRONT & REAR HIGHWAY BARS*

NOTE: These highway bars are for appearance only; they are not meant to protect either the rider, passenger or motorcycle at any time.

FRONT BARS SOLD EACH

105-15 1" Dia. (OEM stock size) Fits FL & FLH, 1958 thru early 1979. OEM 49038-58.
105-1 1-1/4" Dia. Fits FL & FLH, 1958 thru early 1979. OEM 49038-58.
105-2 1-1/4" Dia. Fits FL late 1978-1984 and FLH late 1979-1984. OEM 490340-79.
105-12 1-1/4" Dia. Fits FX 1972-1985. OEM 49016-72C.
105-13 1-1/4" Dia. Fits FLST/C/F/N/S 1986-1999. OEM 49004-90.
105-16 1-1/4" Dia. Fits FXST, FXSTB, FXSTD, FXSTS 2000-later. OEM 49200-07.
105-17 1-1/4" Dia. Fits Sportster® 2004-later. OEM 49060-04.
105-19 1-1/4" Dia. Fits FLSTC/S/F 2000-2004. OEM 49004-00.
105-34 1-1/4" Dia. Fits FXST/B/S/D 2000-2004. OEM 49200-07.
105-35 1-1/4" Dia. Fits FXR 1982-1994 and 1999 & 2000.
105-36 1-1/4" Dia. Fits FXDS, FXDX & FXDWG 1993-2004. OEM 49010-93.
105-37 1-1/4" Dia. Fits Dyna Glide® 1991-2004. OEM 49007-90A.
105-38 1-1/4" Dia. Fits XL 1984-2003. NOTE: Also fits XL 1999-2003 models with forward controls.

REAR BAR RELOCATION KITS

105-41 Fits FLSTS 1997-1999. OEM 90345-90A. SOLD AS KIT
105-42 Fits FLSTS 2000-2001. OEM 90238-00.

C. *NON-HINGED REAR FENDERS FOR FL & HERITAGE SOFTAIL®*

These high quality reproduction stock style fenders with reveal molding have turn signal mounting holes pre-drilled. For Heritage Softail® 1986 & late. Also may be used on FXST models wanting to convert to full one-piece fender.

19-120 One-piece rear fender with all holes for turn signal and fender trim. Replaces OEM 59126-86B. SOLD EACH
19-80 One-piece rear fender with taillight mount.
19-83 Same as above part No. **19-80** only smooth (no taillight mount) for use with custom taillight.
19-79 One-piece rear fender with 1973 and later taillight mount and indent for turn signal OEM 59601-79B. SOLD EACH

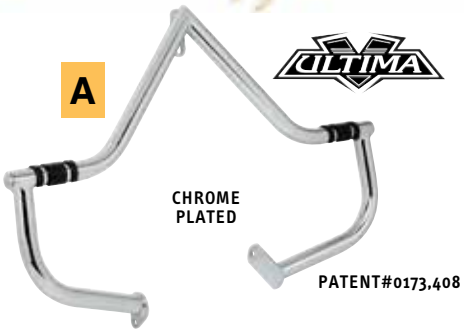
D. *STEEL FAT BOB® STYLE REAR FENDERS FOR SWING ARM OR RIGID FRAME*

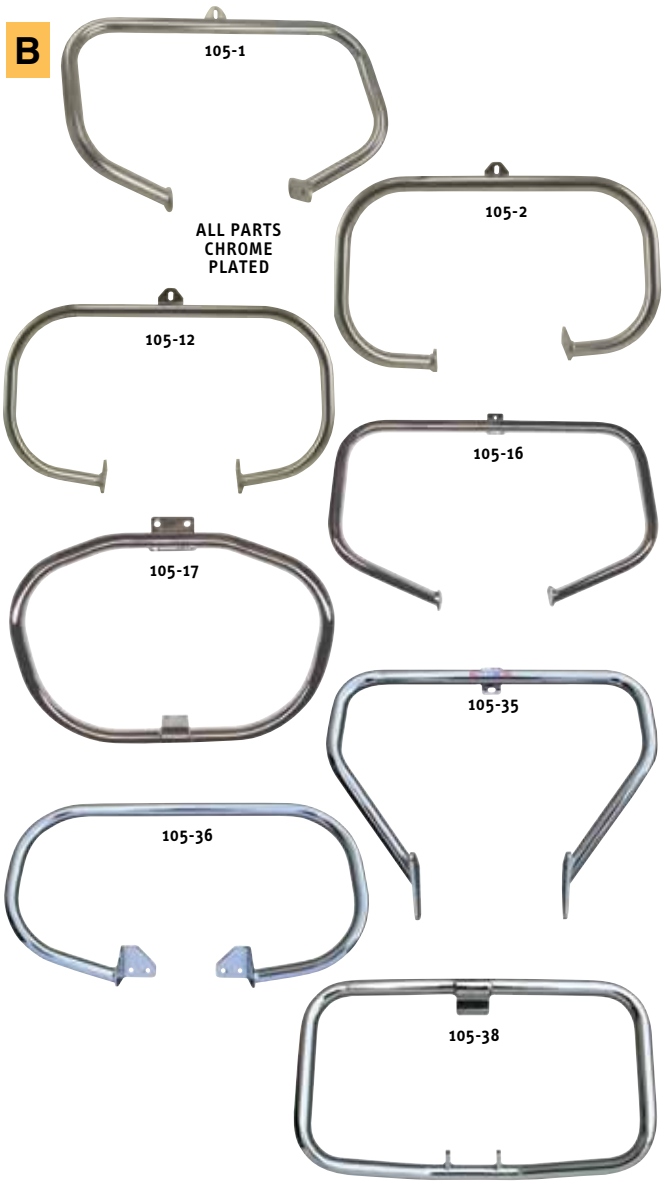
Fenders with left chain cutaway for Big Twin. 7" At widest point.

19-2 Fender without taillamp mount. SOLD EACH
19-73 Fender with taillamp mount.

Fenders with right chain cutaway for Sportster®. 7" At widest point.

19-20 Fender without taillamp mount. SOLD EACH









A



A. *300 SERIES, 16 GAUGE FENDERS*

SMOOTH SENTRY has round cut sides and gives approximately 135° wheel coverage. SOLD EACH

19-271 13" Wide smooth Sentry fender.

SMOOTH SABRE has a cropped look. SOLD EACH

19-272 13" Wide smooth Sabre fender.

19-270 13" fender, 16 gauge, 300 tire.

19-273 13' fender blank, 16 gauge, 300 tire.

B. *HIGH-STYLE FRONT FENDER*

Pure custom High-Style! This fender is drawn from 1 piece of metal. Mounting holes must be determined by the builder. Matches our High-Style rear fenders part No. **19-156**, **19-160**

19-157 High-Style front fender; measures 6-3/8" wide at fender mount surface. SOLD EACH

B



C. *COMPOSITE LOBOY FAT BOB® REAR FENDER*

Composite glass fenders are half the weight and twice the strength of old fiberglass. This makes them very easy to work with yet strong enough to support a very large passenger. Each fender comes primer coated. All Sumax fenders are made at their facility here in the U.S.A.

19-230 Loboy rear for FXST 2000 & later. SOLD EACH

C



D. *CUSTOM STEEL REAR FENDERS*

These fenders are manufactured in .078" steel; they are a one-piece formed construction for added strength. Unlike the more usual "two halves welded together," these fenders won't flex and split. The steel fenders have been Phosphate etched to help prevent corrosion and to give a good surface for primers to adhere to. They come in either 9", 11" or 13" widths and a choice of several styles. All fenders are supplied raw and undrilled for custom applications.

SMOOTH SILVER HORSE® gives approximately 135° wheel coverage.

19-152 9" Wide smooth Silver Horse® fender. SOLD EACH
19-168 11" Wide smooth Silver Horse® fender.

SMOOTH SENTRY has round cut sides and gives approximately 135° wheel coverage.

19-179 11" Wide smooth Sentry fender. SOLD EACH
19-271 13" Wide smooth Sentry fender.

SMOOTH SABRE has a cropped look.

19-183 11" Wide smooth Sabre fender. SOLD EACH
19-272 13" Wide smooth Sabre fender.

D



E. *LATE STYLE REAR FENDER FOR SOFTAIL®*

Use on 1997 & later Softail®. Fender features electrical box cutaway. Quality Fat Bob® style replacement.

19-159 Rear fender. Replaces OEM 59753-97. SOLD EACH

E



A. *HINGED REAR FENDERS FOR H-D® RIGID*

Both of these fenders will mount to 1936 thru 1957 rigid frames and most custom frames. SOLD EACH

19-65 Fits Big Twin rigid frame 1936 thru 1948. OEM 59604-39.
19-84 Fits Big Twin rigid frame 1949 thru 1957. OEM 59604-55.

This reproduction rear fender comes complete with brackets.

19-77 Fits H-D® 45" Solo 1936 thru 1952. OEM 59612-41. SOLD EACH

B. *LATE SPORTSTER® STYLE REAR FENDER*

With stock mounting holes & taillight mounts. Plain metal.

19-57 For Sportster® 1973 thru 1978. OEM 59611-73A. SOLD EACH
19-62 For Sportster® 1979 thru 1981. OEM 59679-79A.
19-75 For Sportster® 1982 thru 1993. Replaces OEM 59674-81A.

C. *EARLY SPORTSTER® STYLE REAR FENDER*

Early Sportster® style, 1959 thru 1973. With stock mounting holes in sidewall.

19-22 Stock replacement with taillight cutout. OEM 59611-67A. SOLD EACH

D. *FAT BOB®STYLE REAR FENDERS FOR SPORTSTER®*

19-121 Fender only; fits Sportster® 1952 thru 1978. See below for struts for use with this fender. SOLD EACH
19-89 Fender only; fits Sportster® 1982 thru 1993. Use stock struts with this fender. SOLD EACH

E. *HEAVY DUTY FLAT REAR FENDERS*

Custom design flat fender; no rib to interfere with seat mounting. Heavy gauge rolled metal. Readily mounts to most makes and models.

SOLD EACH
19-123 6" Wide, with bobbed tail. Bare metal.

F. *CUSTOM REAR FENDERS*

Rear fenders w/internal struts for custom Softail® applications.

19-263 9" rear fender. SOLD EACH
19-265 11" rear fender.

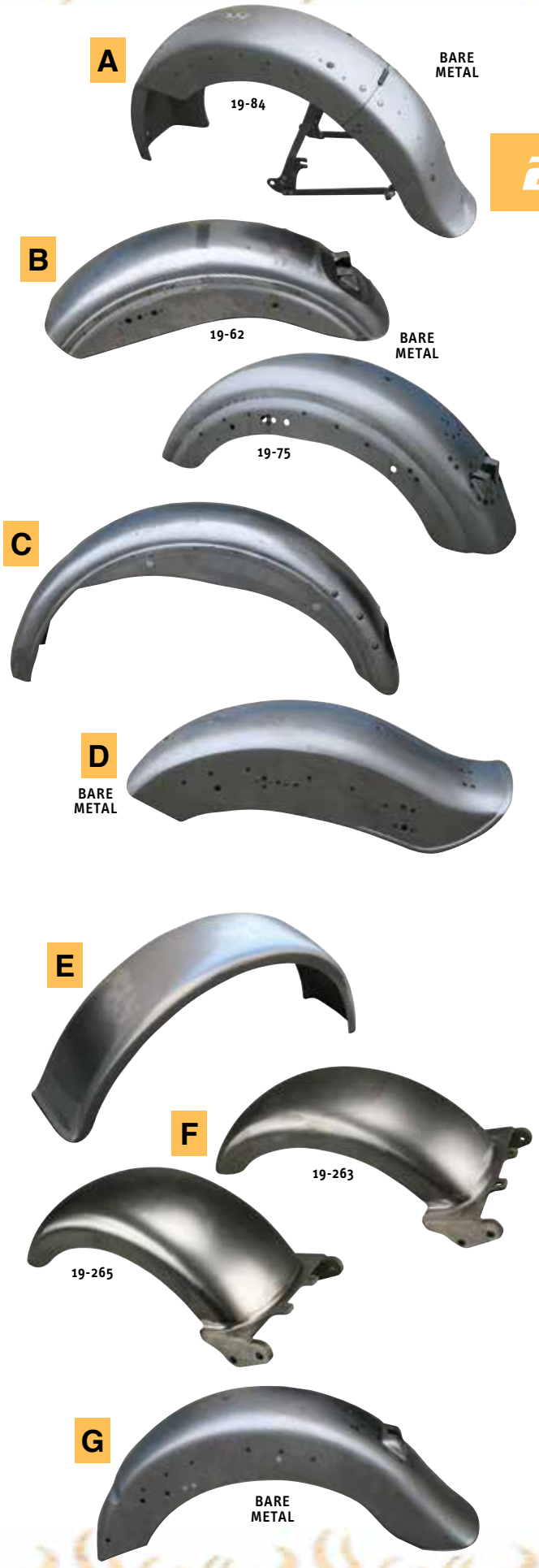
Rear fenders w/out internal struts for custom applications.

19-262 9" rear fender. SOLD EACH

G. *FL STYLE REAR FENDER FOR FXR*

One-piece fender fits 1982 thru 1994 FXR using stock struts. Uses 1973 & later taillamp.

19-118 Fender with taillamp mount. SOLD EACH

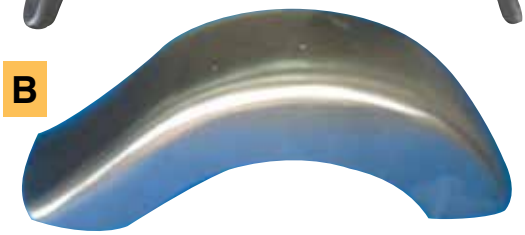




A. *9" WIDE "BOBBED" REAR FENDER*

Another Midwest industry first! Here is the first wide flat fender for rigid frames with some class. Flipped "bobbed" tip really gives this fender a nostalgic style of years gone by that is perfect for our wide rigid frames.

19-148 9" Wide "bobbed" rear fender. SOLD EACH



B. *CUSTOM WIDE REAR FENDERS*

Use on Softail® style wide frames 1986 & later. Provides some "heritage" to wide fender applications. These fenders are undrilled for your mounting position preference.

19-170 9" Wide rear fender. SOLD EACH



C. *SILVER HORSE® REAR FENDERS FOR UNIVERSAL WIDE DRIVE*

16 Gauge fenders. Style at a budget price. Mounting holes must be determined by the builder.

19-152 9" Wide rear fender drawn from one piece of metal. SOLD EACH

19-168 11" Wide rear fender drawn from one piece.of metal.



D. *HIGH-STYLE REAR FENDERS*

16 Gauge fenders. High-Style at a budget price. Mounting holes must be determined by the builder. Matches our High-Style front fender part No. **19-157**.

19-156 9" High-Style rear fender drawn from one piece of metal. SOLD EACH



E. *REAR FENDER FOR FXR*

19-76 For FXR, FXRS, FXRS-SP & FXLR, 1982 & later. OEM 59634-81A. Will **not** fit FXRT or FXRC. SOLD EACH



F. *REAR FENDER 11.250"*

19-283 11.25" heavy gauge rear fender for custom applications. Undrilled w/wire protection via welded internal tubing. SOLD EACH



G. *WIDE REAR FENDERS FOR SOFTAIL® & RIGID*

These rear fenders are made of heavy duty 14 gauge steel. The 14-1/4" wide fenders are one piece and the 13" have strong tig welding in the center w/reinforcement patches underneath. For left or right side belt/chain clearance, fender can be fit and cut as required. SOLD EACH

19-290 13" Wide rear fender for 300mm tire, Softail® frame.
19-291 14-1/4" Wide rear fender for 330mm tire, Softail® frame.
19-292 13" Wide rear fender for 300mm tire, Rigid frame.
19-293 14-1/4" Wide rear fender for 330mm tire, Rigid frame.

A. *H-BOMB RIGID REAR FENDER FOR UNIVERSAL WIDE DRIVE*

A clean look without blowing the budget — the H-Bomb, 16 gauge, one piece drawn metal fender. Includes support brackets. Use on wide frame rigid applications.

19-154 9" Wide H-Bomb rear fender with support brackets. SOLD EACH

B. *BAGGER FENDER*

Beautifully sculpted fiberglass fenders are great for customizing 87-up FLT models. They come undrilled & are meant for use with 21x3.5" wheels.

19-304 Bagger fender, fiberglass SOLD EACH

C. *FRONT FENDER FOR DUECE®*

This custom narrow fender fits FXSTD 2001 & later with 18", 19" or 21" wheels. Replaces OEM 59876-00.

19-25 Chrome fender and bracket. SOLD EACH
19-26 Bare metal fender with chrome plated bracket.
19-27 Bare metal fender and bracket (no chrome).
19-28 Bare metal fender with bracket welded in place to eliminate rivets for a smooth look. Body putty should be used to blend in welded area.

D. *FRONT FENDERS FOR FXSTS SPRINGER® FRONT END*

SOLD EACH
19-172 Bare metal fender & bracket. Fits FXSTS 1993 & later. Replaces OEM 59176-93.

E. *FRONT FENDER 2006-UP FXDWG WIDE GLIDE*

Custom narrow fenders fit 2006 and up FXDWG Dyna-wide Glide™. Replaces OEM 60141-06. SOLD EACH
19-30 Bare metal fender with chrome bracket.
19-31 Bare metal fender & bracket (no chrome).

F. *CUSTOM FRONT FENDERS*

These custom narrow front fenders fit all narrow FX, FXR, FXD & XL, 1970 thru 1995 (except FXLR & FXRSE). OEM 59031-83 and 58998-83. Can also be adapted to many universal applications. For use with narrow 18", 19" and 21" wheels.

19-53 Bare metal fender with chrome bracket. SOLD EACH
19-136 Bare metal fender and bracket (no chrome). SOLD EACH

G. *CUSTOM WIDE REAR FAT BOB® STYLE FENDERS*

Fat fenders for fat tires — these two piece fenders are welded & blended. Designed for wide frames and wide tire applications. Mounting holes must be determined by the builder. See Sec. 1 for 7-1/2" - 9" wide adjustable taillight/license bracket part No. 11-48

19-145 9" Wide rear fender. SOLD EACH
19-147 8.5" Wide rear fender.















A




19-56

A. *SPRINGER® FORK FRONT FENDER*

19-64 Fender. Replaces OEM 59000-36. SOLD EACH
19-56 Reproduction hardware for Springer® front fender 1936 thru 1948. Colony. OEM 59000-50. **SOLD AS KIT**

B. *FRONT FENDER FOR FLT*

Fits 1987 & later FLTC, FLHS, & FLHTC with trim holes. Replaces OEM 59093-87.

19-143 Fender with trim holes. **SOLD EACH**

B



C. *FRONT FENDERS*

5" wide, front 21" fenders, raw.

19-5 Raw front 21" fender. **SOLD EACH**
19-6 Raw front 21" fender.

C


19-5


19-6

D. *FRONT FENDER FOR NARROW GLIDE*

Custom steel front fender for Narrow Glide, 19" & 21" or Wide Glide with use of fender spacers. Approx. 5" wide.

19-301 Custom steel front fender. **SOLD EACH**

D



E. *NARROW FRONT FENDER FOR FXST, FXDWG & FXWG*

Custom narrow fender fits all FXST, FXSTC & Dyna Wide Glide® and FXWG 1980 thru 1985. OEM 59924-80. For use with narrow 18", 19" and 21" wheels.

19-60 Chrome fender & bracket. **SOLD EACH**
19-61 Bare metal fender with chrome bracket.
19-140 Bare metal fender and bracket (**no chrome**).
19-189 Bare metal fender with bracket welded in place to eliminate rivets for a smooth look. Body putty should be used to blend in welded area.

E


19-61

F. *FRONT FENDER FOR FAT BOY®*

19-85 Fits FLSTF 1990 & later. OEM 59139-89. **SOLD EACH**

F



G. *FRONT FENDERS FOR SPORTSTER® & SUPER GLIDE®*

Styled as original Harley®. Stock replacement.

19-43 Stock style fender for 1970 thru 1984. OEM 59007-73B. **SOLD EACH**

G


19-43 UNPAINTED WITH CHROME BRACKETS

A. *FRONT FENDERS FOR WIDE GLIDE®*

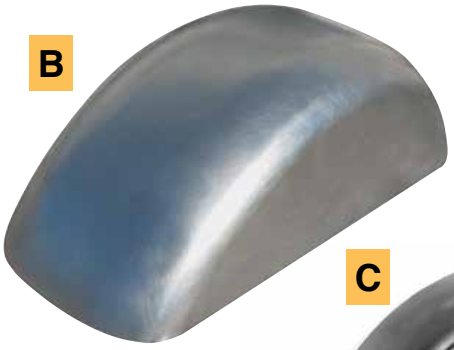
Custom narrow fender fits Wide Glide® front ends with large lower legs, 1949 thru 1984. For use with narrow 18", 19" and 21" wheels.

19-51 Bare metal fender with chrome bracket. SOLD EACH
19-137 Bare metal fender & bracket (**no chrome**). SOLD EACH



B. *FENDER BLANKS - REAR*

19-274 9" blank fender, 16 gauge, 180/200 tire.
19-269 11" blank fender, 16 gauge, 250 tire.
19-273 13" blank fender, 16 gauge, 300 tire.



C. *STRUTLESS REAR FENDERS*

Our new Chrome Horse® strutless rear fenders are designed to fit our Chrome Horse® Softail® style frame eliminating the need for bolt-on struts. Designed with beefy built-in supports, they offer a clean sweeping design that lends itself to the lines of your motorcycle. Both fenders are 7" wide and can accept tire sizes from 130 thru 160. Use with Chrome Horse® Softail® style frame part No. **85-180**. Also works with Chrome Horse® Softail® style frame part No. **85-200**, **85-201**, or **85-181**, but requires removal of fender strut supports.

19-165 Chrome Horse® strutless short fender. SOLD EACH



D. *FENDER TRIM*

These **U.S.A. MADE**; beauties are descendants from National Cycle's 1940 originals. Heavy duty casting provides a high quality part with a chrome finish that will last another 50 years. When only the best will do...

89-361 Use on Front FLSTF 1990 thru 1999. SOLD EACH



national cycle

E. *DIE CAST FRONT AND REAR FENDER TIPS*

Front fender spear sets can be used in conjunction with front fender tips with appropriate relief.

89-360 Replaces OEM 59205-57 and 59206-57. SOLD AS SET



F. *UNIVERSAL FRONT AND REAR FENDER TIPS*

Large fender tip is used on rear FL fenders and many big aftermarket FLH front & rear fenders. Small fender tip is used on Sportster® and FX front fenders.

Plain fender tip. Chrome plated.

89-162 Large fender tip. OEM 59283-85T. SOLD EACH
89-163 Small fender tip. OEM 59281-85T.



G. *60'S STYLE FRONT & REAR FENDER TIPS*

Reproductions of 1959 thru 1966 FL front and rear fender tips are die cast and chrome plated. Can be fitted to all FL front fenders from 1949 thru 1986 and all FL rear fenders from 1958 thru 1986.

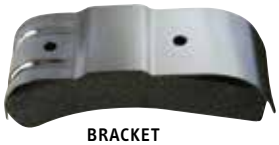
89-342 Front fender tip. OEM 59216-59. SOLD EACH
89-343 Rear fender tip. OEM 59887-59.



H. *REAR FENDER BRACKET FOR SPORTSTER®*

Installs on frame to support lower front of rear fender.

5-99 For Sportster® 1954 thru 1978. OEM 59795-52A. SOLD EACH



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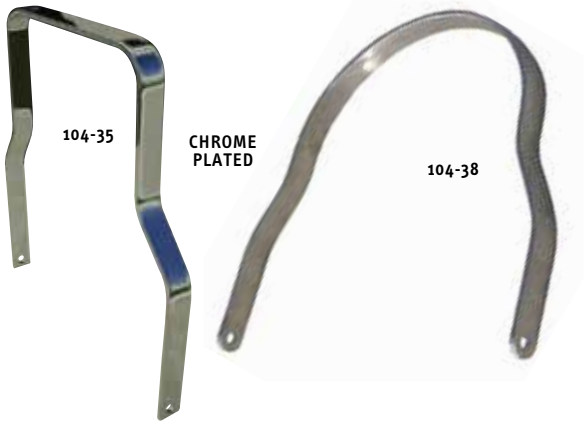
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C



D



E



F



CHROME PLATED

A. *BIG TWIN FRONT AND REAR FENDER LIGHTS*

Reproductions of the popular fender trim lights used on Big Twins. These lights will work on all models with the large dresser style fenders. Don't forget part No. **89-360** fender spear set.

8-125 Front trim light with amber lens. OEM 59082-79. SOLD EACH

8-126 Rear trim light with red lens. OEM 59658-79.

B. *FRONT FENDER LIGHT*

Die cast construction. Available with amber lens only. SOLD EACH

8-75 Fender light, 12V, 5/16" dual stud mount. OEM 59140-85T.

NOTE: Not recommended for street use.

C. *1950'S STYLE FENDER LIGHTS*

These chrome plated, die cast, quality replica fender lights include rubber gasket, wire, and 12V bulb.

8-97 Fender light with clear lens. SOLD EACH

8-98 Fender light with amber lens.

D. *REAR FENDER SUPPORT*

Chrome plated or raw fender supports for 9" and 11" fenders.
9" supports is designed for 9" flat fenders while 11" support is designed for 11" radius fenders.

104-35 9" Wide, Wide Drive Rigid frame, chrome. SOLD EACH

104-38 11" fender support, raw SOLD EACH

104-39 11" fender support, chrome SOLD EACH

E. *REAR FENDER BRACES*

Fender braces to be used when you don't use a sissy bar. Rear fender braces made from 3/16" x 3/4" steel.

104-3 For 5" & 6" flat fenders, chrome. SOLD EACH

F. *REAR FENDER SUPPORT MOUNTING KITS*

Rear fender support mounting kits available in OE, acorn, or cap nut head style.

41-995 Stock OE style. Fits FL & FLH, 1958 thru 1980. SOLD AS KIT

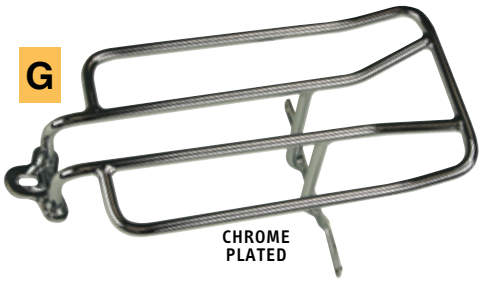
41-996 Stock OE style. Fits Sportster® 1959 thru 1981.

G. *FENDER RACK FOR HERITAGE® & FAT BOY®*

Chrome plated fender rack made from 3/8" steel tubing is perfect for tying up items and protecting paint. Easily installs to stock seat bolt and license plate bracket for quick mounting and removal.

121-6 Fits Big Twin Heritage® & Fat Boy® models, 1986-2005. SOLD EACH

G



CHROME PLATED

FENDER STRUT SETS

Nice reproductions of H-D® style rear fender struts. Holes for mounting OEM style fenders. Chrome finish.

A. BIG TWIN

SOLD AS PAIR

104-13 Fits FX 1972 thru 1985 without turn signal holes.
104-28 Fits FX 1972 thru 1985 with turn signal holes. Replaces OEM 59928-73 & 59929-73.
104-14 Fits FL 1958 thru 1984 without turn signal holes.
104-27 Fits FL 1958 thru 1984 with turn signal holes. Replaces OEM 59932-77 & 59933-77.
104-15 Fits FXWG 1980 thru 1985 without turn signal holes.
104-29 Fits FXWG 1980 thru 1985 with turn signal holes. Replaces OEM 59960-80 & 59961-80.
104-24 Fits FXWG 1980 thru 1985. Internal mounts for the clean, custom look. Hardware included.

B. SOFTAIL®

1986 THRU 1999 SOLD AS PAIR

104-20 Fits 1986 thru 1999 Softail® models. Internal mounts for the clean, custom look. Bare metal for painting.
104-21 Fits 1986 thru 1999 Softail® models. Internal mounts for the clean, custom look. Chrome plated.
104-23* Fits Softail® FLSTC 1986 thru 1999, FLSTF & FLSTN 1993 & later, with turn signal holes. Replaces OEM 59969-86A & 59964-86A.
104-25* Fits all models Softail® 1986 thru 1999, without turn signal holes.

***NOTE:** Softail® struts part No. **104-23** & **104-25** will bolt up to all years Softail® frames thru 1999. The difference lies in the way or the position the turn signals mount.

C. REAR FENDER STRUT MOUNT KITS

41-147 Low profile allen kit for struts with 6 holes. Fits FXST, FXSTC, FXSTS & Bad Boy®, 1986 & later. Replaces OEM 59954-86.

D. SPORTSTER®

104-16 Fits XL & XLCH 1952 thru 1978. SOLD AS PAIR
104-22 Fits Sportster® 1982 thru 1989 (cast aluminum).
104-26 Fits Sportster® 1990 thru 1993 (cast aluminum).

E. 2000-UP SOFTAIL® (CHROME)

104-71 FXST SOLD AS PAIR
104-72 FLST
104-73 FLST-smooth

A


104-13

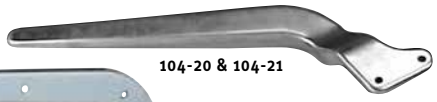

104-14 & 104-27


104-29


104-24

2

B


104-20 & 104-21


104-23

ALL PARTS CHROME PLATED EXCEPT WHERE NOTED

C

CHROME PLATED




104-16

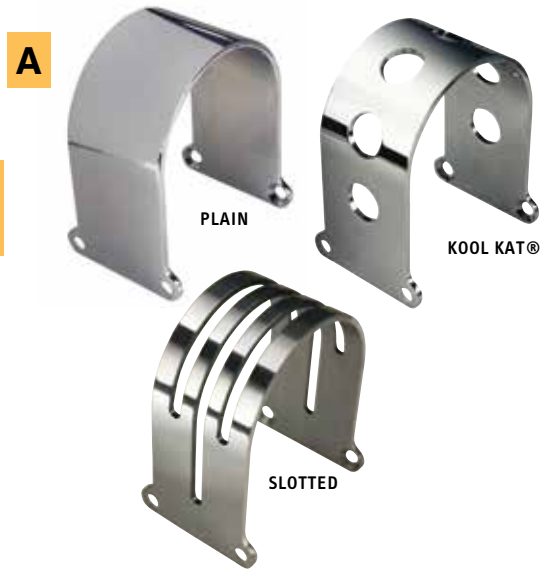
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104-22


104-26

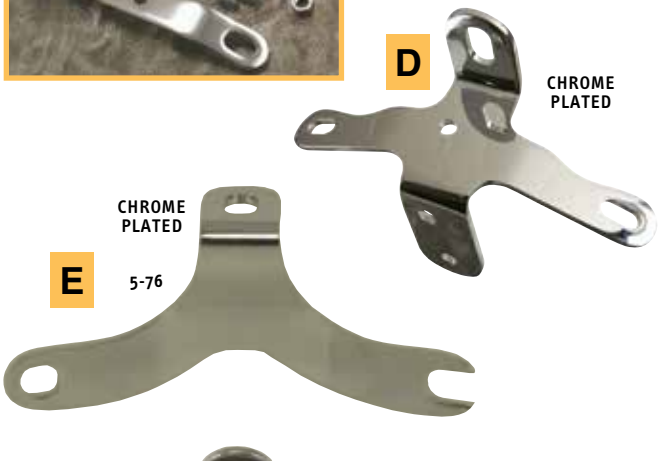
E















A. *ULTIMA® FORK BRACES*

No front fender? Want to keep it rigid? Why not eliminate front end flop while adding a touch of style to your ride!! These fork braces are intended for use on 21x2.15 front wheels with an 80/90 or 90/90 front tire installed. Offered in chrome or raw w/the necessary spacers & hardware to fit most standard applications.

SOLD EACH

29-160	Plain fork brace, chrome.
29-161	Plain fork brace, raw.
29-162	Slotted fork brace, chrome.
29-163	Slotted fork brace, raw.
29-164	Kool Kat® fork brace, chrome.
29-165	Kool Kat® fork brace, raw.

B. *MOTOR MOUNTS FOR 2004 & LATER XL*

5-258 Chrome tie link. Replaces OEM 16232-04. SOLD EACH

C. *HEAVY DUTY MOTOR MOUNT BRACKETS FOR BIG TWIN*

These motor mounts are designed for heavy duty applications. A must for big inch strokers where breakage is a problem. 5/16" Thick. Fits Big Twin 1948 thru 1984.

5-123	Motor mount only.	SOLD EACH
5-182	Motor mount with choke and ignition tab.	

D. *MOTOR MOUNTS FOR SOFTAIL®*

Chrome top motor mount is the same style as original on 1984 thru 1989 Softail® models. Can also be used on later models and custom frames. Replaces OEM 16852-83A.

5-156 Top motor mount. SOLD EACH

E. *TOP MOTOR MOUNT FOR PAN & SHOVEL*

5-76 Fits H-D® 74" 1948 & later. Stock replacement. OEM 16853-48. SOLD EACH

F. *TOP MOTOR MOUNT & COIL BRACKET FOR PAN & SHOVEL*

Incorporates a coil mount with the top motor mount. Keeps wiring neater. Finest quality steel. **NOT** for use with Fat Bob® gas tanks. For H-D® 74" 1948 & later. OEM 16853-48.

5-42 Without key switch hole. SOLD EACH

G. *HEAVY DUTY TOP MOTOR MOUNT FOR BIG TWIN*

Chrome heavy duty motor mount comes with horn bracket, choke bracket and chrome hardware.

5-214 Heavy duty top motor mount. Fits Softail® 1984 & later and FXR 1984 & later. SOLD EACH

A. *FRONT MOTOR MOUNTS FOR SPORTSTER®*

5-127 For late 1984 thru 1990 XL alternator models. Replaces OEM 16236-89T. Mounts with stock hardware. Permits accessory footpeg mounting.
SOLD AS PAIR

B. *CHROME BILLET MOTOR MOUNT*

Chrome heavy duty billet top motor mount. Fits all EVO engines solidly mounted 86'-99' Softails® or custom frames. Also has provisions for coil mounts and accessories.

5-124 Billet heavy duty motor mount. SOLD EACH

C. *FRONT MOTOR MOUNT FOR FXR*

5-101 For FLT & FXR, 1980 thru 1994, with Shovel or Evolution® engine. OEM 16207-79B. SOLD EACH

D. *TOP MOTOR MOUNT & COIL BRACKET FOR SPORTSTER®*

For 1957 thru 1978. Incorporates a coil mount with the top motor mount. Makes wiring neater. Finest quality steel.

5-43 Without key hole. SOLD EACH
5-53 With key hole.

E. *VELVA RIDE™ MOTOR MOUNTS*

Specially formulated urethane motor mounts with matching compression and rebound sides quell vibration and will out-last and out-dampen the stock rubber mount by a substantial margin. For FLT & FXR, 1980 thru 1994, with Shovel or Evolution® engine.

5-208 Black powder coat mounts. OEM 16207-79B. SOLD AS KIT
5-209 Highly polished billet aluminum mounts. OEM 16207-79B.

F. *TOP MOTOR MOUNT FOR SPORTSTER®*

5-226 Fits XL models 1986-1994. OEM #16278-86A. SOLD AS KIT
5-227 Fits XL models 1995-2003. OEM #16278-95B.

G. *TOP MOTOR MOUNT FOR TWIN CAM®*

5-225 Fits Softail® & FLT carb models 2000-2005. SOLD AS KIT

H. *URETHANE MOTOR MOUNTS*

These Urethane motor mounts replace the stock mount in all Big Twins fitted with rubber mounted engines. The special urethane formulated compound has enhanced compression & rebound dampening properties which gives a 20% reduction in transmitted vibration. Available in chrome or black powdercoat finish.

5-198 Black Big Twin urethane motor mount kit.SOLD AS KIT

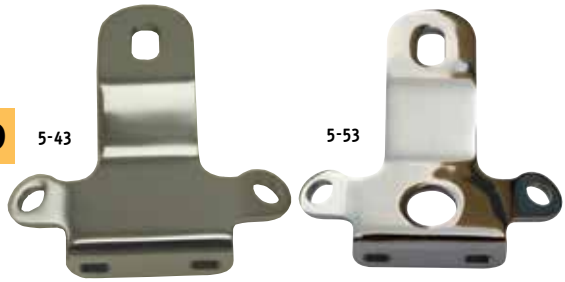
A


CHROME PLATED

2

B


C

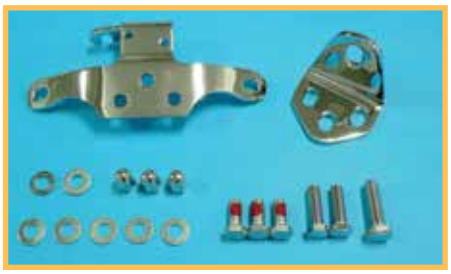

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E

CHROME PLATED

F

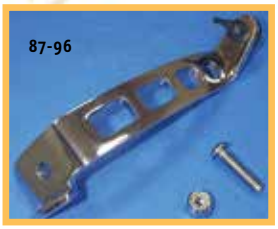



G


H


2

A



B

FLAT BOTTOM

CHROME PLATED



C



D



E



F



G



CHROME PLATED

COLONY

H



CHROME PLATED

A. *JIFFY STAND EXTENSION KITS*

87-96 For Sportster® 1984 & later (except 883 Hugger). OEM 50212-98. SOLD AS KIT

B. *CUSTOM KICKSTANDS STOCK LENGTH & EXTENDED*

1989 & LATER SPORTSTER® (EXCEPT HUGGER®)
Flat bottom.
87-87 Stock length. OEM 50006-89. SOLD EACH

C. *SPORTSTER® KICKSTAND*

87-113 Stock length, fits 04'-up XL. OEM#50185-04. SOLD EACH

D. *EXTENDED TOP MOTOR MOUNT*

Mount is 1/3 thicker than stock mount for extra strength. The bracket is 1" longer so you can use FXR Type coil mounts for motors with larger cylinders and heads. Kit also includes additional bracket for mounting an ignition switch. Fits '84 and up Softails®.

5-150 Extended heavy duty motor mount and hardware kit. SOLD AS KIT

E. *ULTIMA® MOTOR / COIL MOUNT*

This is the same heavy duty mount that we supply with the Ultima® Rigid Build-A-Bike® kit. This **U.S.A. MADE,** 1/4" thick, chrome steel adjustable mount will bolt-up to Big Twin V2-type motors. Can be used with tall cylinders. Mount is designed to be used with any 1999 & earlier type coil (bolt holes). Provides a convenient spot to locate your coil between the cylinders on the left side of the motorcycle. This is the ultimate rigid motor mount! SOLD EACH

5-218 Heavy duty motor/coil mount for V2 type motors.

F. *MOTOR MOUNT STABILIZER*

Fits FXR and FLT, 1984 thru 1994. OEM 16219-79A.

5-193 Chrome steel Imported. SOLD EACH

G. *MOTOR MOUNT HARDWARE KITS*

Complete stock motor mount kit for Harley® O.H.V.'s. Features heat treated bolts, castle nuts, cotter pins, and heavy duty washers.

5-164 Fits Shovel 1970 thru 1984. SOLD AS KIT
41-150 Front motor mount for Dyna® 1991 & later. SOLD AS KIT
41-149 Trans-to-motor mount for TC88® 1999 & later.
41-137 Complete stock motor mount kit for rubber mount FLT, FLHT, FXR, & FXRS, 1985 & later. SOLD AS KIT
5-240 Complete lower motor mount kit for 2000 & later Softail®. SOLD AS KIT

H. *MOTOR MOUNT HARDWARE KIT FOR FXST*

Chrome plated smooth allen head motor mount kit. Includes all hardware for top front and rear mount.

5-185 Fits FXST 1984 & later and FX 1985. SOLD AS KIT
5-186 Fits FXST 1984-later, FX 1985 & for use with Ultima® Rigid frames.

A. *VELVA RIDE™ MOTOR MOUNT STABILIZERS*

Stainless steel stabilizer body contains a plunger encased in specially formulated urethane that significantly out performs stock stabilizers. Each pair comes complete with rod ends and is ready to install on most rubber mount frames 1980 & later. For FLT & FXR, 1980 thru 1994, with Shovel or Evolution® engine.

5-212 Pair of standard finish engine stabilizers. SOLD AS PAIR
5-213 Single standard finish engine stabilizer. SOLD EACH

B. *CHROME KICKSTAND WEDGE KIT*

Lowers up to 2" & allows the kickstand angle to be changed at the frame, better than bending your chrome kickstand. Works great for lowered bikes while maintaining the correct foot angle. Made from 6061-T6 aluminum, all hardware included for early & late models. Fits 81'-06' FLT, FLHT, FLHS & FLHR models.

5-188 Chrome kickstand wedge kit. SOLD AS KIT

C. *CENTER STAND FOR TOURING MODELS*

This stand features a heavy duty steel construction, chrome plated, easy to install & comes w/all necessary mounting hardware & black mounting brackets. This stand lifts the bike upright & off the side stand, ideal for cleaning/servicing & reduces parking space.

Attaches directly to frame and doesn't reduce lean angle. Designed to work w/all OE suspension configurations & w/profile suspension lowering kits. Adjustable feet can be set to lift rear tire clear off pavement.

87-120 Chrome center stand for 99'-08' Touring models. SOLD AS KIT

D. *SIDE STAND PIN, SCREW & SPRING FOR SPORTSTER®*

5-100 Side stand pin, OEM 50090-53 and screw, OEM 1760B. For 1954 thru 1976. SOLD AS KIT
5-151 Pin and clip. Fits 1989 & later. OEM 50003-89 and 554. SOLD EACH
5-57 Spring for 1952 thru early 1984. OEM 50011-30. 3-3/16" Long. SOLD EACH

E. *KICKSTAND PARTS FOR BIG TWIN 1936 & LATER*

5-57 Spring. OEM 50011-30. SOLD EACH
5-243 Heavy duty spring for Softail® 1985 & later. Chrome. OEM 50005-85A. 3-7/8" Long. SOLD EACH
87-82 Square black rubber bumper pad; sticks on primary cover, 1970 & later. OEM 50100-70.
87-95 Round black rubber bumper pad; wedges into loop on kickstand bottom. For Softail® 1989 thru 2001, and Dyna® 1997 thru 2001. OEM 62123-66. SOLD EACH

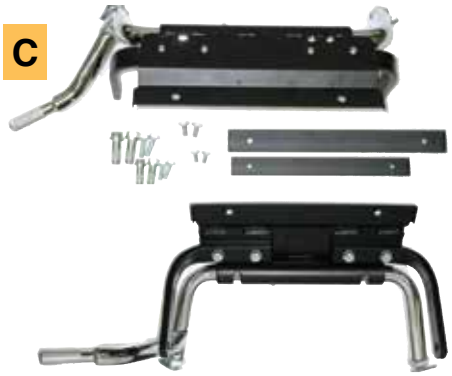
A



B



C



D

5-151



5-100



5-57



E



5-243



87-82



87-95

CHROME PLATED EXCEPT AS NOTED

A



116-257

116-258



B



C



116-7



116-13

CHROME PLATED



116-26



D



116-246



116-229

116-228





116-232



116-233

A. *NARROW BODY SHOCKS*
FOR SOFTAIL®

O.D. of this shock is 2" - lowering capability up to 1-3/4".

*Instructions included and available online @ www.ultimaproducts.com.

116-257 Fits Softails® 1984 thru 1999 (adjustable). SOLD AS PR.

116-258 Fits Softails® 2000 & later (1-3/4" shorter than stock, non-adjustable).

B. *LOW AIR SHOCKS FOR FL MODELS*

Lower your bagger approx. 1". Chrome plated shocks offered in two Spring Rates Std. @ approx. 158 LBF or Heavy @ approx. 176 LBF. Fits 1997-2008 FL models. Standard Replacement (54631-02B) for factory lowered models like FLHRS or FLHX

116-255 Shocks Chrome Std. 158 LBF, replaces OEM 54631-98.

116-256 Shocks Chrome Heavy Duty 176 LBF, replaces OEM 54631-02B. SOLD AS PAIR

C. *CHROME PLATED SHOCK ABSORBERS — COMPLETE ASSEMBLY*

These shock absorbers have chrome plated springs, adjustment cam covers and eye bolts. The hydraulic units have full-travel hard chromed piston shafts for durability. Fully adjustable using standard shock tools. SOLD AS PAIR

116-7 Fits FL & FX, 1958 thru 1972 and Sportster® 1954 thru 1974. Without covers. 13-1/2" Eye to eye.

116-2 Fits FL & FX, 1958 thru 1972 and Sportster® 1954 thru 1974.With covers. 13-1/2" Eye to eye.

116-3 Fits FL, FX & FXWG, 1973 thru 1986. Without covers. 12" Eye to eye.

116-14 Fits FL, FX & FXWG, 1973 thru 1986. With covers. 12" Eye to eye.

The below shocks will fit all Big Twins except Softails®. Lowers the motorcycle approximately 1-1/2". **NOTE FOR BIG TWIN:** When installing shorter shock absorbers, the tire-to-fender clearance should be checked. Adj is clockwise.

116-13 Shocks 11" eye to eye. Without covers. SOLD AS PAIR

116-26 Shocks 11" eye to eye. With covers.

D. *ULTIMA® SOFTAIL® STYLE SHOCKS*

100% of Ultima® shocks are individually checked for performance and quality after assembly. Each shock is dyno tested as well as leak tested at the end of every assembly. Shocks are manufactured by an ISO9001:2000 certified company who has an annual output of 10 million shock/fork products including many for OEM. With Ultima® shocks performance is the priority.

*Instructions included and available online @ www.ultimaproducts.com.

FXST 1984 THRU 1988

116-246 Black adjustable shocks. SOLD AS PAIR

116-228 Chrome plated adjustable shocks.

FXST 1989 THRU 1999

116-229 Black adjustable shocks. SOLD AS PAIR

116-231 Chrome plated adjustable shocks.

FXST 2000 & LATER

116-232 Black adjustable shocks. SOLD AS PAIR

116-233 Chrome plated adjustable shocks.

A. *AIR SHOCK PUMP*

Die cast base with 2-3 psi bleed off button for precise adjustment. 360° swivel on air hose, only 9" long takes up very little room in saddle bags

116-10 Pump with gauge **SOLD EACH**



B. *ADJUSTABLE LOWERING KIT FOR TWIN CAM®*

Versatile style enables you to adjust from stock to approximately 2" lower.

5-230 For 2000 & later Softail®. **SOLD AS KIT**



C. *LOWERING KITS FOR SOFTAIL® 1989 THRU 1999*

All kits made from stainless steel. Excellent quality at a great price.

5-140 Fixed lowering; approximately 1" lower. **SOLD AS KIT**
5-191 Dual action lowering; approximately 0.0" to 2" lower. Can be adjusted after shocks are installed.
5-192 Single action lowering; approximately 0.0" to 2" lower. Adjust to desired height before shocks are installed.



D. *REAR SHOCK STUDS*

Each **U.S.A. MADE** kit includes two studs and four cup washers that are packaged in a poly bag, except for No.'s **5-105**, **5-115**, & **5-116**, which have slightly different parts. See below for details. Lock nuts may be purchased separately.



UPPER SHOCK STUD KITS

5-111 For FL 1958 thru 1966. OEM 54515-58A. **SOLD AS KIT**
5-102 For FL, FX 1967 thru 1972. OEM 54515-67.
5-104 For FL, FX 1973 thru 1982. OEM 54515-73.
5-106 For XL, 1956 thru 1974. OEM 54515-56B.



LOWER SHOCK STUD KITS

5-115 For Sportster®, XR1000, XLX, 1982 & later. OEM 4081. Hex bolt with chrome nuggets, 2 washers, 2 studs, & 2 lock nuts. **SOLD AS KIT**
5-116 For FXR, FXRS, 1982 & later. OEM 1614. Hex bolt with chrome nuggets, two washers, two studs, and two lock nuts.
5-112 For FL 1958 thru 1966. OEM 54517-58.
5-103 For FL, FX 1967 thru 1972. OEM 54517-67.
5-105 For FX 1973 & later. Special double threaded stud with a chrome nugget & chrome washer. OEM 3958.
5-107 For XL 1956 thru 1974. OEM 54516-72.

SHOCK STUD LOCK NUTS

5-108 Shock stud lock nut 5/8-18. OEM 7993. **SOLD EACH**

SHOCK ABSORBERS & PARTS FOR H-D® 1958 & LATER

ALL PARTS SOLD EACH EXCEPT AS NOTED

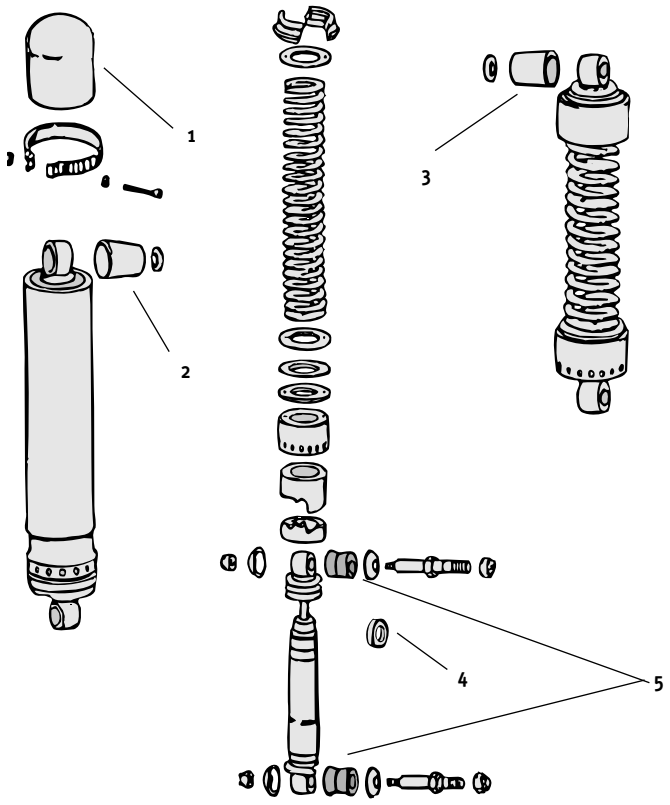
1 **116-1** 50'S STYLE SHOCK TOP COVERS FIT ALL MODELS OF SWING ARM H-D® WITH STOCK SHOCKS: SPORTSTER® 1952/1978, SUPER GLIDE® 1971/1982 (EXCEPT FXR), ELECTRA GLIDE® 1958/1964, ALSO 1965/1982 WITHOUT SADDLEBAG GUARDS (OEM 54704-52 & 54705-52) **NOTE:** THESE COVERS ARE STOCK REPLACEMENT FOR XL, K MODEL 1952/1964 & FL 1958/1964. ALL OTHER APPLICATIONS ARE CUSTOM. SOME SEATS MAY CAUSE INTERFERENCE

2 **116-5** 2-1/2" LONG TOP SHOCK STUD COVER 3/8" HOLE. FL 1970 & LATER, FX 1971/EARLY 1984 AND XL 1965/1974 (OEM 54708-65) SOLD AS PAIR

3 **116-4** 2" LONG TOP SHOCK STUD COVER XL 1975 / 1978 (OEM 54704-65) SOLD AS PAIR

4 **5-136** SHOCK STUD SPACER BIG TWIN 1967/1984 WHERE NEEDED (OEM 5960W)

5 **116-6** RUBBER SHOCK BUSHING FL & FLH 1958 & LATER, FX 1971 & 1972 AND KH, XL & XLCH 1954/1974 (OEM 85210-42A) SOLD AS PAIR



A. SOFTAIL® SHOCK BOLTS

Shock bolts and washers; sold as a kit or individually. Fits all models Softail® 1984 & later. Replaces bolt OEM 4074 and washer OEM 6724.

5-196 Chrome plated kit (as pictured). SOLD AS KIT
5-199 Chrome bolt only. SOLD EACH
5-200 Chrome washer only. SOLD EACH

A



B. CONVERSION SHOCK STUD KIT FOR SPORTSTER®

This **U.S.A. MADE** stud kit will update Sportster® 1957 thru 1974 shock mounts to the late model bushing diameters (1/2"). Includes four nickel plated studs, eight chrome plated washers and four nuts; polybagged with instructions.

5-128 Conversion stud kit for Sportster®. SOLD AS KIT

B



CHROME PLATED WASHERS & NUTS

U.S.A. MADE

FRONT END



CUSTOM & STOCK REPLACEMENT FRONT ENDS & ALL THE PARTS YOU NEED



ULTIMA® 41MM BILLET FRONT END ASSEMBLY

These 41mm front end assemblies feature our Ultima® chrome plated triple trees and complete Softail® style fork sliders with your choice of either smooth or ball milled style chrome plated billet lower legs. Each assembly comes with chrome plated stem nut and axle.

Special Features include:

- Chrome plated billet triple trees and lower legs.
- 1984 & Later FXST style tube assemblies.
- Convertible style legs for both single or dual disc 1984 thru 1999 FXST brakes.
- Flush mount style axle and hardware.
- Billet block off plates hiding damper screw holes.

117-35	Front End Assembly with smooth lower legs, stock length, smooth triple tree.	SOLD AS ASSY.
117-36	Front End Assembly with milled lower legs, stock length, milled triple trees.	SOLD AS ASSY.
117-37	Front End Assembly with smooth lower legs, +2" length, smooth triple tree.	SOLD AS ASSY.
117-38	Front End Assembly with milled lower legs, +2" length, milled triple tree.	SOLD AS ASSY.
117-39	Front End Assembly with smooth lower legs, +4" length, 5 deg. smooth triple trees.	SOLD AS ASSY.
117-40	Front End Assembly with milled lower legs, +4" length, 5 deg. milled triple trees.	SOLD AS ASSY.
117-41	Front End Assembly with bullet lower legs, +4" length, 5 deg. pointed triple trees.	SOLD AS ASSY.
117-42	Front End Assembly with smooth lower legs, +4" length, 5 deg. smooth blind top triple trees.	SOLD AS ASSY.
117-44	Front End Assembly with smooth lower legs, +6" length, 5 deg. smooth blind top triple trees.	SOLD AS ASSY.
117-45	Front End Assembly with bullet lower legs, +6" length, 5 deg. pointed blind top triple trees.	SOLD AS ASSY.
117-46	Front End Assembly with smooth lower legs, +6" length, smooth blind top triple tree.	SOLD AS ASSY.
117-47	Front End Assembly with milled lower legs, +6" length, 5 deg. milled triple trees.	SOLD AS ASSY.
32-9	Replacement axle for Ultima® billet forks. .950" O.D. on right side. Comes with tapered flathead screw.	SOLD EACH
32-4	Replacement axle for bullet style hidden axle	SOLD EACH

Note: Fork tubes are 1984 and later Softail® style, stock length (24.5").

For additional front end assemblies, please use chrome billet fork slider assemblies and our Ultima® billet triple trees found further in this section.

ULTIMA® 41MM CHROME BILLET FORK SLIDER ASSEMBLIES

Complete Softail® style billet fork sliders
Completely assembled. Fork tubes are centerless ground 4140, hard chrome finish with 1984 thru 1999 Softail® style brake application, single or dual disc caliper. Special features include: chrome plated billet lower legs, 1984 & later FXST style tube assemblies and convertible style legs for both single or dual disc brakes. Both Smooth style and Milled feature flush mount style axle & hardware, and billet block off plates hiding damper screw holes. Hidden Axle Bullet Style assemblies include Axle spacers for use with 84/99 Style wheel hubs. All forks can be rebuilt using OEM components.





SMOOTH LOWERS	MILLED LOWERS	BULLET HIDDEN AXLE	DESCRIPTION
117-31	**117-30**	**117-190**	Stock length
117-161	**117-168**	**117-191**	+2" Over stock length
117-162	**117-169**	**117-192**	+4" Over stock, length
117-163	**117-170**	**117-193**	+6" Over stock, length
117-164	**117-171**	**117-194**	+8" Over stock length
117-165	**117-172**	**117-195**	+10" Over stock length
117-166	**117-173**	**117-196**	+12" Over stock length

SOLD AS ASSY.

32-9	Replacement axle for smooth and milled
32-4	Replacement axle for bullet style hidden axle

ULTIMA® 65MM INVERTED FORK ASSEMBLY COMPONENT LIST

All available parts needed to build & service 65mm inverted front ends.

- Designed to use 84'/99' FXST style wheel assemblies with a single disc.
- Triple trees are machined for, but do not include, both internal stop fork cup kit **#5-251** or Standard fork cups **#5-34** used with external fork stops **#27-189**.
- Std Length is OEM FXST length.

Item Number	Description	Part Number	Unit Quantity
1	Damper Rod and Piston Assembly	**95-281**	1
2	Complete Damper Assembly Std. Length	**95-282**	1
	Complete Damper Assembly +2" Std. Length	**95-283**	1
	Complete Damper Assembly +4" Std. Length	**95-287**	1
	Complete Damper Assembly +6" Std. Length	**95-289**	1
	Complete Damper Assembly +8" Std. Length	**95-296**	1
	Complete Damper Assembly +10" Std. Length	**95-304**	1
	Complete Damper Assembly +12" Std. Length	**95-313**	1
3	50mm Inner Fork Tube +2" Std. Length	**95-319**	1
	50mm Inner Fork Tube +4" Std. Length	**95-323**	1
	50mm Inner Fork Tube +8" Std. Length	**95-348**	1
4	Bushing Kit, Slider	—	2
5	Spring, Fork	**95-358**	1
6	Guide, Spring	**95-359**	1
7	Spacer, Std. Length	**95-361**	2
	Spacer, +2" Std. Length	**95-362**	2
	Spacer, +4" Std. Length	**95-363**	2
	Spacer, +6" Std. Length	**95-365**	2
	Spacer, +8" Std. Length	**95-366**	2
	Spacer, +10" Std. Length	**95-367**	2
	Spacer, +12" Std. Length	**95-374**	2
8	Washer	**95-377**	2
9	Jam Nut	**95-378**	2
10	Axle	—	1
11	Axle Assembly	**32-1**	1
12	Spacer, Axle, Right-Side	**95-386**	1
13	Spacer, Axle, Left-Side	**95-402**	1
14	Axle Nut	**95-404**	1
15	Fastener Kit, Fork Sliders, Includes M8x1.25x30mm and Crush Washer	**95-437**	1
16	Pinch Bolts, Axle 5/16-18 x 1-1/2"	**95-449**	4
17	Lower Fork Unit, Right	**95-456**	1
18	Fork Seal/Bushing Rebuild Kit, includes item # 15,21,40	—	1
19	Fork Tube, Outer Std. Length	**95-550**	1
	Fork Tube, Outer +2" Std. Length	**95-551**	1
	Fork Tube, Outer +4" Std. Length	**95-559**	1
	Fork Tube, Outer +6" Std. Length	**95-563**	1
	Fork Tube, Outer +8" Std. Length	**95-564**	1
	Fork Tube, Outer +10" Std. Length	**95-565**	1
	Fork Tube, Outer +12" Std. Length	**95-566**	1
20	Spacer, Damper Rod Alignment	**95-570**	2

Item Number	Description	Part Number	Unit Quantity
21	Seal, Top Nut	—	2
22	Top Nut, Fork Tube	—	1
23	Chrome Appearance Cap, Top Nut	—	1
24	Fastener Kit, Pinch Bolts, Fork Tubes 1/4-20 x 3/4" and Washers, for 0 deg, std	**95-576**	8
	Fastener Kit, Pinch Bolts, Fork Tubes 1/4-20 x 3/4" and Washers, for 5 deg, blind	**95-556**	4
25	Nut and Washer, Triple Tree, 5 deg, blind	**95-608**	1
26	Caliper/Fender Mount (Right)	**95-579**	1
27	Fastener Kit, Caliper Mount, Counter Sunk M6x1x13mm	—	8
28	Shaft, 5° Triple Tree, blind	**95-606**	1
29	Fastener Kit, Steering Lock, Counter Sunk 1/4-20x3/4", 0 deg, std	**95-591**	2
30	Steering Lock Bracket, 0 deg, std	**95-595**	1
31	Set Screw, Triple Tree Shaft, 0 deg, std	**95-596**	2
32	Fork Tube and Slider Set (Right), Std Length	**95-656**	1
	Fork Tube and Slider Set (Left), +4" Length	**95-659**	1
	Fork Tube and Slider Set (Right), +4" Length	**95-660**	1
	Fork Tube and Slider Set (Right), +6" Length	**95-662**	1
	Fork Tube and Slider Set (Right), +8" Length	**95-664**	1
	Fork Tube and Slider Set (Left), +10" Length	**95-665**	1
33	Damper Valve Assembly	**95-669**	1
34	Triple Tree Assembly, Std, 0-degree	**117-237**	1
35	Retaining Clip, Fork Seal	**95-670**	2
36	O-ring	—	2
37	Dust cover	—	1
38	Fork Seal	—	1
39	Spacer	**95-673**	2
40	O-Ring	**95-872**	2

ULTIMA® 65MM INVERTED FORK ASSEMBLIES



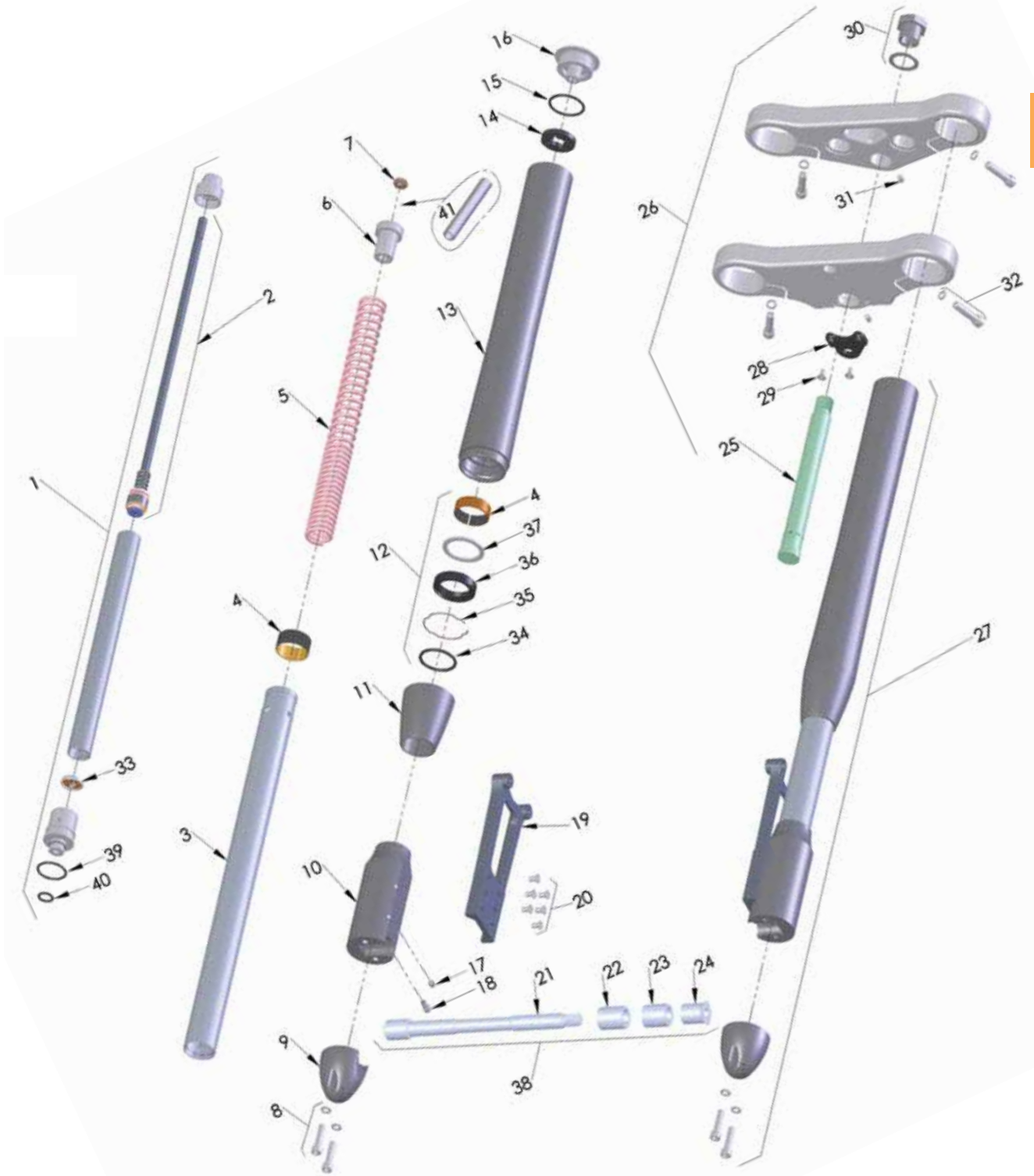
FULLY ASSEMBLED PHOTO FOR REFERENCE ONLY

ULTIMA® 58MM INVERTED FORK ASSEMBLIES

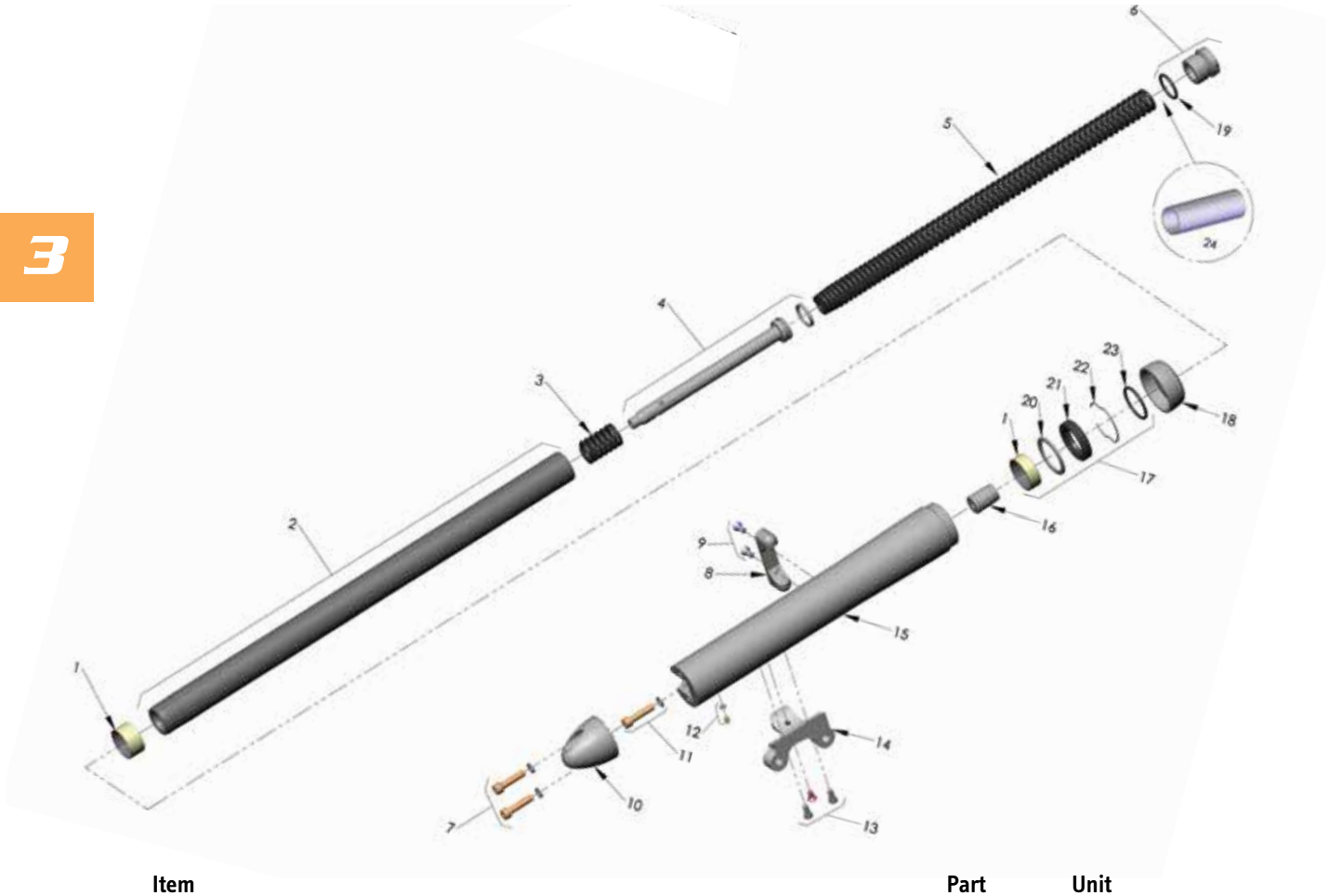
Item Number	Description	Part Number	Unit Quantity
1	Complete Damper Assembly +2" Std. Length	**95-200**	1
	Complete Damper Assembly +4" Std. Length	**95-201**	1
	Complete Damper Assembly +6" Std. Length	**95-203**	1
	Complete Damper Assembly +8" Std. Length	**95-204**	1
	Complete Damper Assembly +12" Std. Length	**95-208**	1
2	Damper Rod and Piston Assembly	**95-106**	1
3	41mm Inner Fork Tube Std. Length	**95-109**	1
	41mm Inner Fork Tube +2" Std. Length	**95-210**	1
	41mm Inner Fork Tube +4" Std. Length	**95-213**	1
	41mm Inner Fork Tube +6" Std. Length	**95-214**	1
	41mm Inner Fork Tube +8" Std. Length	**95-224**	1
	41mm Inner Fork Tube +10" Std. Length	**95-225**	1
	41mm Inner Fork Tube +12" Std. Length	**95-231**	1
4	Bushing Kit, Slider, Upper , Lower	—	2
5	Spring, Fork	**95-112**	1
6	Guide, Spring	**95-118**	1
7	Jam Nut	**95-119**	2
8	Fasteners, Axle Clamp	—	4
9	Axle Clamp, Left	—	1
	Axle Clamp, Right	—	1
10	Lower Fork Unit, Right	**95-128**	1
11	Fork Seal Appearance Cover	—	1
12	Fork Rebuild Kit, Bushings and Seals, includes # 15,39,40	—	1
13	Fork Tube, Outer Std. Length	**95-132**	1
	Fork Tube, Outer +2" Std. Length	**95-234**	1
	Fork Tube, Outer +4" Std. Length	**95-237**	1
	Fork Tube, Outer +10" Std. Length	**95-243**	1
14	Spacer, Damper Rod Alignment	—	2
15	Seal, Top Cap, O-ring	**95-878**	2
16	Top Cap, Fork	**95-135**	1
17	Set Screw	**95-137**	2
18	Set Screw	—	2
19	Fender Bracket, Right	**95-138**	1
	Brake/Fender Bracket, Left	**117-158**	1
20	Bracket Fastener Kit	**95-614**	8
21	Axle Shaft	—	1
22	Axle Spacer, Right	**95-153**	1
23	Axle Spacer, Left	**95-154**	1
24	Axle Nut	—	1
25	Shaft, 0˚, std Triple Tree/Headset	**95-156**	1
26	Triple Tree Assembly, 0 degree	—	1

Item Number	Description	Part Number	Unit Quantity
27	Fork Tube and Slider Set (Left), +2" Length	**95-160**	1
	Fork Tube and Slider Set (Right), +2" Length	**95-161**	1
	Fork Tube and Slider Set (Right), +4" Length	**95-166**	1
	Fork Tube and Slider Set (Left), +8" Length	**95-175**	1
	Fork Tube and Slider Set (Right), +8" Length	**95-179**	1
	Fork Tube and Slider Set (Left), +10" Length	**95-180**	1
	Fork Tube and Slider Set (Right), +12" Length	**95-189**	1
28	Steering Lock Bracket (Optional)	—	1
29	Fasteners, Steering Lock	**95-257**	2
30	Nut and Washer, Triple Tree, 5 deg, blind	—	1
31	Set Screw, Triple Tree Shaft, 0 deg	**95-192**	2
	Set Screw, Triple Tree Shaft, 5 deg blind	**95-612**	1
32	Fasteners, Pinch Bolts and Washers, Fork Tubes, 0 deg	—	4
33	Damper Valve Assembly	**95-194**	2
34	O-Ring	**95-880**	2
35	Retaining Clip, Fork Seal (OEM 45842-77)	—	2
36	Fork Seal	**95-881**	2
37	Spacer (OEM 45865-84)	—	2
38	Axle Assembly	**32-4**	1
39	O-Ring	—	2
40	O-Ring	—	2
41	Spacer (Used for non-standard lengths) +4"	**95-266**	2
	Spacer (Used for non-standard lengths) +6"	**95-267**	2
	Spacer (Used for non-standard lengths) +8"	**95-268**	2
	Spacer (Used for non-standard lengths) +10"	**95-271**	2

ULTIMA® 58MM INVERTED FORK ASSEMBLIES

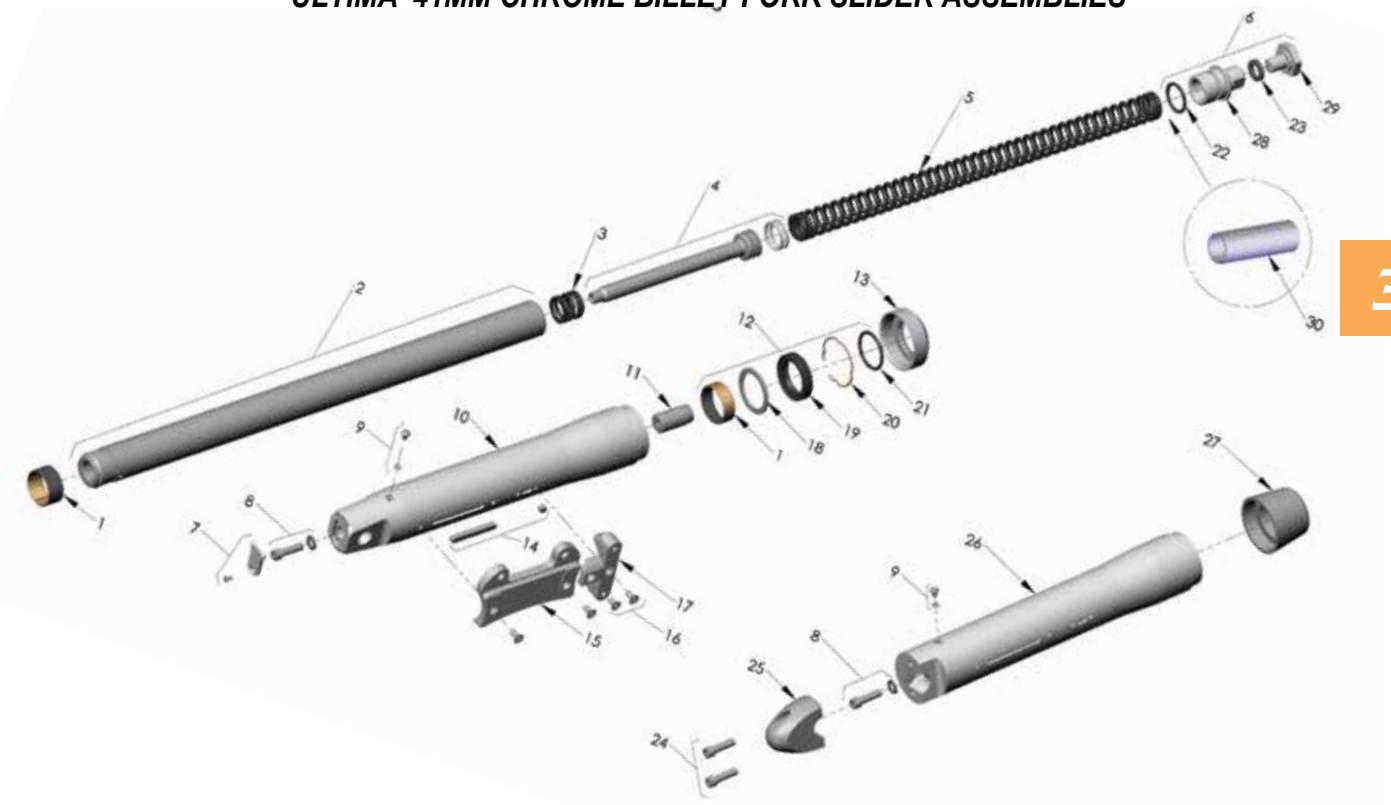


ULTIMA® 39MM CHROME BILLET FORK SLIDER ASSEMBLIES



Item Number	Description	Part Number	Unit Quantity
1	Bushing Kit, Slider, Upper (OEM 45461-87) and Lower (OEM 45465-87)	—	2
2	39mm Inner Fork Tube Std. Length	—	1
	39mm Inner Fork Tube +2" Std. Length	—	1
	39mm Inner Fork Tube +4" Std. Length	—	1
3	Spring, Damper Rebound	—	2
4	Damper Rod with Plunger Rings	—	2
5	Spring, Fork	—	2
6	Top Cap Assembly, Fork (OEM 45996-87)	**41-104**	1
7	Fastener Kit, for Lower Axle Clamp	—	4
8	Fender Bracket	—	1
9	Fastener Kit, for Fender Brackets	**27-215**	4
10	Lower Axle Clamp	**27-134**	1
11	Damper Screw and Crush Washer	—	2
12	Screw and Washer	**27-146**	2
13	Fastener Kit, Brake Caliper Bracket (3 screws)	**27-147**	3
14	Brake Caliper Bracket	**27-148**	1
	Dual Disc Bracket	**117-197**	1
15	Lower Fork Tube, Bullet Style, Left	**27-149**	1
	Lower Fork Tube, Bullet Style, Right	**27-105**	1
16	Lower Stop, Fork Leg	**27-115**	1
17	Fork Rebuild Kit, includes # 11,19	—	1
18	Dust Cover	**27-124**	1
19	O-Ring	**95-875**	2
20	Seal Spacer	**27-202**	1
21	Fork Seal	—	2
22	Retaining Ring, Fork Seal	**27-203**	2
23	O-Ring	**95-877**	2
24	Spacer (used for non-standard lengths) +2"	—	2
	Spacer (used for non-standard lengths) +4"	**27-205**	2

ULTIMA® 41MM CHROME BILLET FORK SLIDER ASSEMBLIES



Item Number	Description	Part Number	Unit Quantity
1	Bushing Kit, Sliders, upper (OEM 45940-84), lower (OEM 45866-84)	**27-211**	2
2	41mm Inner Fork Tube Std. Length	**27-207**	1
	41mm Inner Fork Tube +2" Over Std. Length	**27-239**	1
	41mm Inner Fork Tube +4" Over Std. Length	**27-240**	1
	41mm Inner Fork Tube +6" Over Std. Length	**27-241**	1
	41mm Inner Fork Tube +8" Over Std. Length	**27-242**	1
	41mm Inner Fork Tube +10" Over Std. Length	**27-243**	1
	41mm Inner Fork Tube +12" Over Std. Length	**27-244**	1
3	Spring, Damper Rebound (OEM 45855-77)	**27-169**	1
4	Damper Rod with Plunger Rings (OEM 45418-84)	**27-164**	1
5	Spring, Fork (OEM 46048-84)	**27-168**	2
6	Top Cap Assembly, Fork	**27-209**	1
7	Appearance Cover and Fastener	**27-219**	1
8	Damper Screw and Crush Washer	**27-212**	1
9	Screw and Washer	**27-213**	2
10	Lower Fork Tube, Smooth, Left	**27-222**	1
	Lower Fork Tube, Smooth, Right	**27-223**	1
	Lower Fork Tube, Milled, Left	**27-300**	1
	Lower Fork Tube, Milled, Right	**27-301**	1
11	Lower Stop, Fork Leg (OEM 45834-77)	**27-171**	1
12	Fork Rebuild Kit, includes # 8,22,23	**27-224**	1
13	Dust Cover	**27-225**	1

Item Number	Description	Part Number	Unit Quantity
14	Key Kit, for Fender & Caliper Brackets	**27-226**	2
15	Brake Caliper Bracket	**27-227**	1
16	Fastener Kit, for Fender and Caliper Brackets	**27-228**	8
17	Fender Bracket	**27-229**	1
18	Seal Spacer (OEM 45865-84)	**27-170**	1
19	Fork Seal (OEM 45875-84)	**95-399**	1
20	Retaining Ring, Fork Seal (OEM 45842-77)	**27-109**	1
21	O-Ring	**95-873**	2
22	O-Ring	**95-874**	2
23	Seal, oil (OEM 45733-48)	**27-218**	1
24	Fastener Kit, for Lower Axle Clamp	**27-230**	4
25	Lower Axle Clamp	**27-231**	1
26	Lower Fork Tube, Bullet Style, Left	**27-232**	1
	Lower Fork Tube, Bullet Style, Right	**27-233**	1
27	Dust Cover, Bullet Style	**27-234**	1
28	Fork Tube Screw Plug (OEM 45838-77)	**27-167**	1
29	Fork Tube Cap (OEM 45419-80)	**27-67**	1
30	Spacer (Used for non-standard lengths) +2"	**27-245**	2
	Spacer (Used for non-standard lengths) +4"	**27-246**	2
	Spacer (Used for non-standard lengths) +6"	**27-247**	2
	Spacer (Used for non-standard lengths) +8"	**27-248**	2
	Spacer (Used for non-standard lengths) +10"	**27-249**	2
	Spacer (Used for non-standard lengths) +12"	**27-250**	2


27-191


32-3


117-198


32-2

REPLACEMENT PARTS FOR ULTIMA® 39MM CHROME BILLET FORK SLIDER ASSEMBLIES

88/99 MODELS

27-191 Caliper Bracket, left side.

39MM BULLET STYLE BILLET LOWERS SLIDERS

32-2 Replacement axle for 88/99
32-3 Replacement axle for 2000/2003
117-198 Dual disc bracket

RELACEMENT PARTS FOR FRONT FORK ASSEMBLY FOR FXST 1984 thru 1999

27-168




27-163

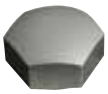

27-162


27-67


27-167

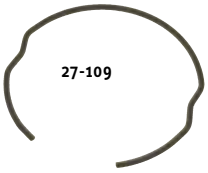

27-70


27-166


41-127


27-108


95-399

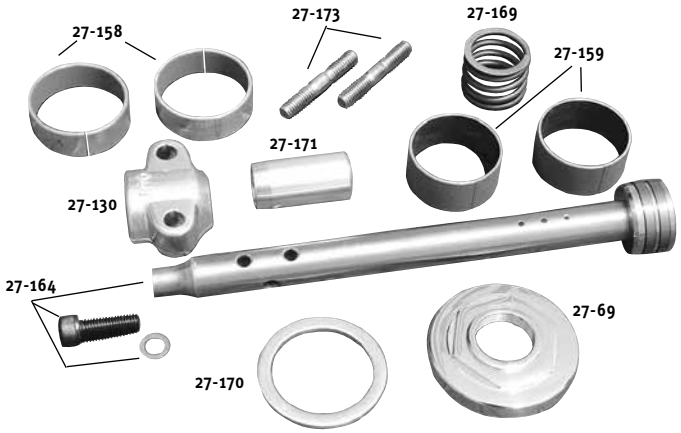

27-109

SEE PAGE 3-13 FOR FORK TUBES

PARTS NOT SHOWN TO SCALE

REPLACEMENT PARTS — SEE PAGE 3-13 FOR FORK TUBES

27-162	Contoured stem nut. OEM 45716-71.	SOLD EACH
27-163	Contoured fork tube bolt. OEM 45839-77.	SOLD EACH
27-67	Top cap. OEM 45419-80.	SOLD EACH
27-70	Seal, oil. OEM 45733-48.	SOLD EACH
27-218	Seal, oil. OEM 45733-48 (import).	SOLD EACH
27-166	Spacer washer. OEM 5710.	SOLD EACH
27-167	Fork tube plug. OEM 45838-77.	SOLD EACH
27-168	Springs. OEM 46048-84.	SOLD AS PAIR
27-164	Damper tube, with screw & washer. OEM 45418-84.	SOLD EACH
27-169	Small spring. OEM 45855-77.	SOLD EACH
27-108	Fork boot. OEM 45420-80.	SOLD AS PAIR
27-109	Oil seal retaining clip. OEM 45842-77.	SOLD EACH
95-399	Oil seal. OEM 45875-84.	SOLD EACH
27-170	Seal spacer. OEM 45865-84.	SOLD EACH
27-171	Lower stop. OEM 45834-77.	SOLD EACH
27-172	Sliders, lower legs. Polished. OEM 45873/4-91.	SOLD AS PAIR
27-185	Sliders, lower legs. Chrome. OEM 45305-98.	SOLD AS PAIR
27-130	Axle cap. OEM 45832-77A.	SOLD EACH
27-173	Studs with nuts & washers. OEM 45998-73.	SOLD AS KIT
27-158	Bushing, upper; fits in lower legs. OEM 45940-84.	SOLD AS PAIR
27-159	Bushing, lower; fits in fork tube. OEM 45866-84.	SOLD AS PAIR
41-127	Cap nut; 1-24 thread for 1948 & later.	SOLD EACH



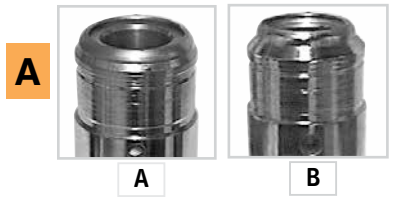
A. *U.S.A. MADE FORK TUBES FOR H-D®*

All fork tubes are chrome plated, centerless ground, seamless aircraft tubing. All fork tubes come complete with spacers.

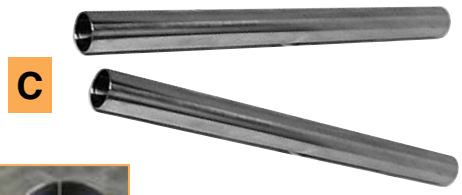
FXWG, FXST, FXSTC & DYNA® WIDE GLIDE®, 1984 THRU 1999
Tube end type "**A**." See **NOTE** below. **SOLD AS SET**
38-278 10" o.s.

SPORTSTER® & FXR, (EXCEPT FXRT, FXRD & SPORT PACKAGE) WITH 35MM SHOWA FORK, LATE 1986 & 1987
FXRT 1987 only use part No. **38-266**. Tube end type "**B**." Coarse thread.
SOLD AS SET
38-269 8" o.s.

NOTE: All tubes with end type "A" are interchangeable. The difference lies in the length.









B. *HARD CHROME 41MM FORK TUBES & FORK TUBE ASSEMBLIES*

1984 & LATER MODELS

1984 & Later 41mm fork tubes are all the same with the exception of total length. The maximum difference of any of the below listed fork tubes is 5/8". This difference will not matter when replacing fork tubes. In order to help ease the stocking of multiple fork length tubes, look at the chart, find your bike and then determine what fork tube you need for your particular application. If you require the exact length for your bike, please see our show chrome fork tube chart on page 3-4 which are cut to exact lengths.

COMPARISON CHART

MODEL	YEAR	STOCK LENGTH
FLT	1984 / 1996	20-7/8"
FLT	1997 & Later	20-1/4"
FLSTC/N/F	1986 / 1999	22-7/8"
FLSTC/N/F	2000 & Later	22-1/4"
FXWG, FXST/C, FXDWG	1984 / 1999	24-1/2"
FXST/C, FXDWG	2000 & Later	24-1/4"

NOTE 1: Special Edition models may vary from this chart. In those cases, measure your fork tube.
NOTE 2: Some FLT models 2002 & later use cartridge damper on the left side. These fork tube assemblies below **WON'T WORK**.

HARD CHROME - SEAMLESS TUBING -CENTERLESS GROUND **SOLD AS PAIR**

FORK TUBES	LENGTH	FORK TUBE ASSY.*
38-317	20-1/2"	**38-319**
38-318	22-1/2"	**38-320**
38-325	24-1/2"	**38-322**
38-326	26-1/2"	**38-334**
38-327	28-1/2"	**38-335**
38-328	30-1/2"	**38-336**
38-329	32-1/2"	**38-337**
38-330	34-1/2"	**38-338**
38-331	36-1/2"	**38-339**
38-332	38-1/2"	**38-340**
38-333	40-1/2"	**38-341**

*All tube assemblies use FXST dampers.

C. *HARD CHROME FORK TUBES*

38-313 For H-D® 74" & 80" FL, FLH & FLHX, late 1977 thru 1984, and FLT(C) & FLHT(C), 1980 thru 1983 (Show a fork), stk. length, 20-7/8" long. OEM 45825-77A.
SOLD AS PAIR
38-314 Same application as above **38-313** except 2" o.s.

D. *FORK TUBE SLIDER BUSHINGS*

1949 THRU EARLY 1977 WIDE GLIDE® 41MM
27-95 Upper bushing. OEM 45824-49. **SOLD EACH**
27-96 Lower bushing. OEM 45823-49.

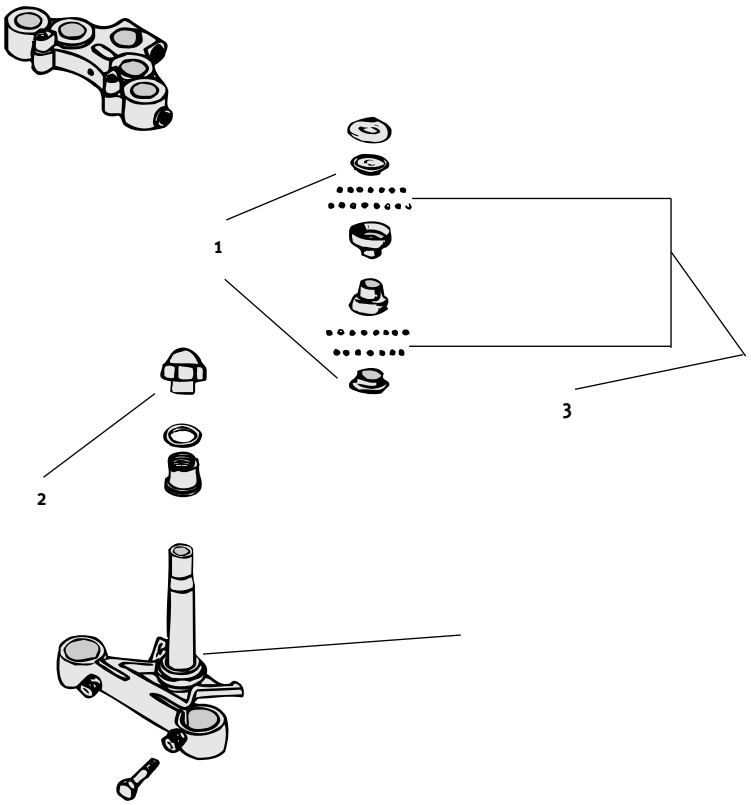
1984 & LATER WIDE GLIDE® 41MM
27-158 Upper bushing. OEM 45940-84. **SOLD EACH**
27-159 Lower bushing. OEM 45866-84.

1988 & LATER NARROW GLIDE® 39MM
27-160 Upper bushing. OEM 45461-87. **SOLD EACH**
27-161 Lower bushing. OEM 45465-87.

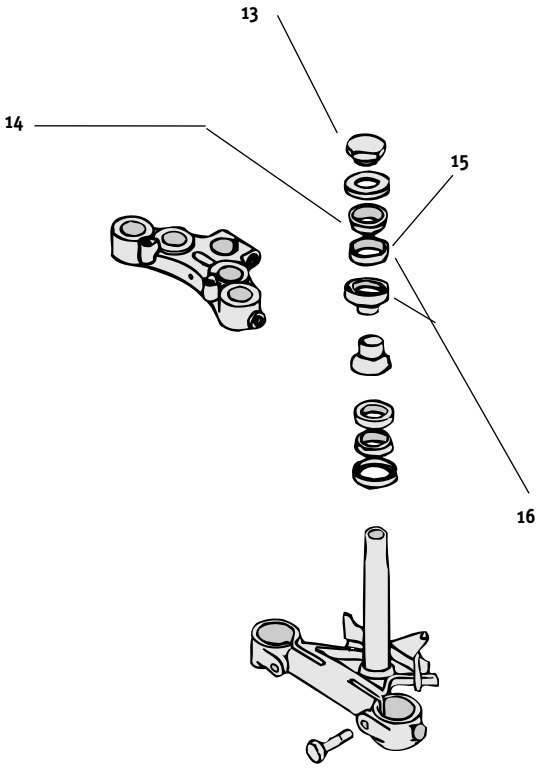
FRONT END PARTS FOR SPORTSTER® - SUPERGLIDE® 1971 & LATER

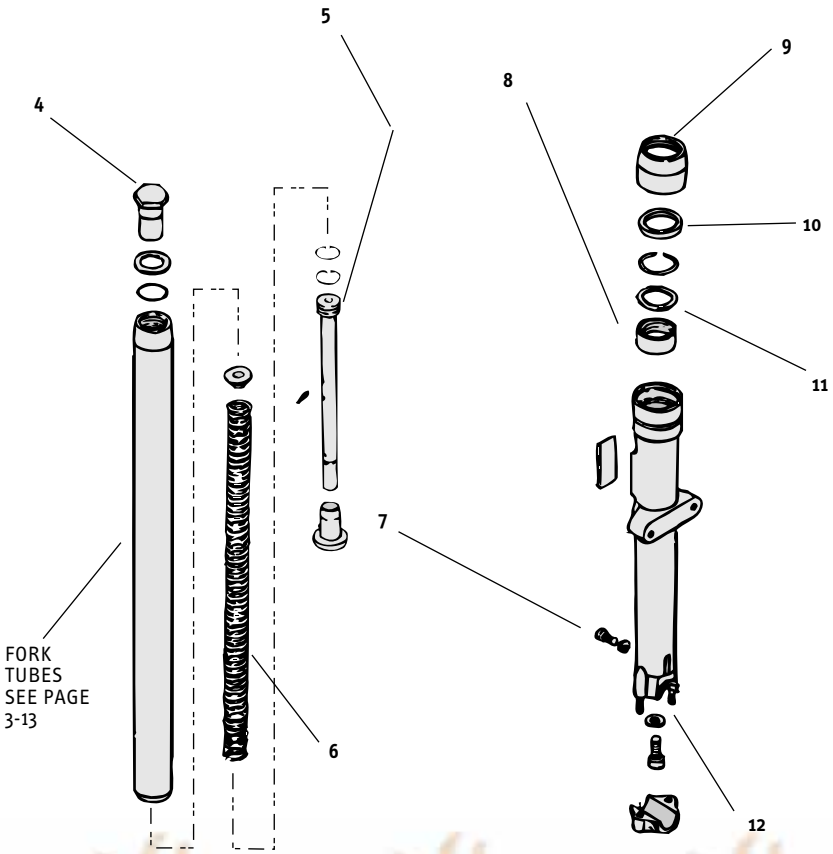
ALL PARTS SOLD EACH EXCEPT AS NOTED

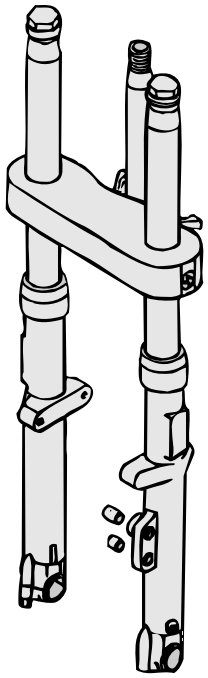
SPORTSTER® 1971/1978



LATE SPORTSTER® & SUPER GLIDE® ALL YEARS







FRONT END PARTS FOR SPORTSTER® - SUPERGLIDE® 1971 & LATER

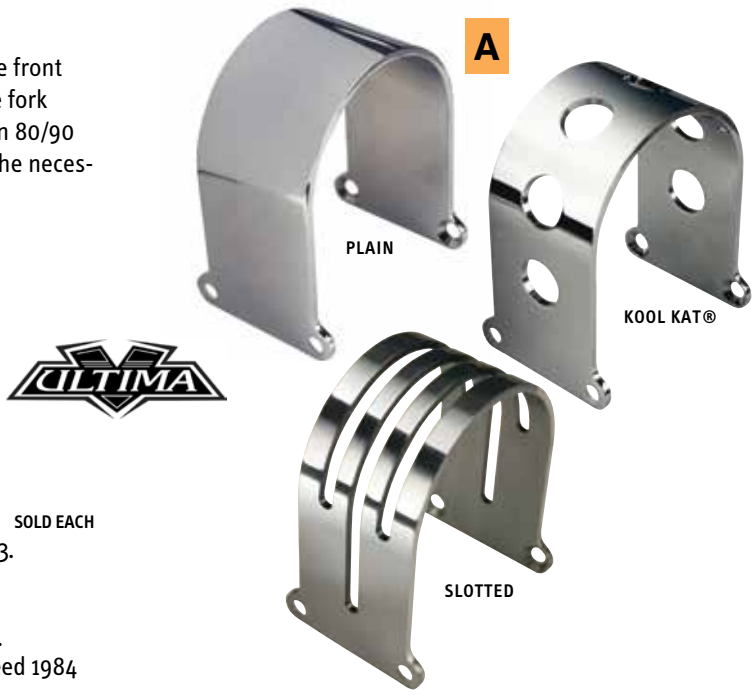
ALL PARTS SOLD EACH EXCEPT AS NOTED

1	—	TOP & BOTTOM CUP RACE 1977 & EARLIER. SOLD AS SET
2	—	STEM BOLT XLH & XLCH 1973 / 1987 **U.S.A. MADE** (OEM 45722-54)
3	**95-107**	5/16"HEAD RACE BALL (OEM 8860) USE 28
4	**27-63**	FORK TUBE CAP BOLT 1973 & 1974 KAYABA AND 1975 / MID 1985 SHOWA (OEM 45993-73)
5	**27-104**	FORK DAMPER ASSY. FX 1976 / 1979, XL 1975 / 1979 (OEM 45409-75)
6	**27-88**	FORK SPRINGS SPORTSTER® & SUPER GLIDE® NARROW / SHOWA 1975 / 1984 **U.S.A. MADE** (OEM 45408-75) SOLD AS PAIR
7	**41-144**	FORK DRAIN PLUG, CHROME BUTTON HEAD ALLEN SCREWS & COPPER WASHERS . XL, FX & FXR, 1973 & LATER (OEM 45790-80 & 45996-73) SOLD AS KIT
8	**95-206**	OIL SEAL XLH, XLCH 1973 & 1974, SPORTSTER® & FX 1973 / 1976 KAYABA (OEM 45297-73)
9	**27-60**	FORK BOOTS SPORTSTER® & SUPER GLIDE® 1973 & 1974 KAYABA
	27-61	FORK BOOTS SPORTSTER® & SUPER GLIDE® 1975 & LATER SHOWA
	27-76	FORK BOOTS SPORTSTER® & SUPER GLIDE® 1971 & 1972. SOLD AS PAIR
10	**95-113**	SEAL XLH, XLCH & FX 1971 & 1972 (OEM 45975-71)
11	**95-205**	OIL SEAL SPORTSTER®, FX & FXR, 1975/1983 (OEM 45400-75) USE TWO
12	—	FORK SLIDER BOTTOM CAP STUD & NUT KIT FOR SHOWA & KAYABA. CHROME. COLONY. SOLD AS KIT
13	**27-62**	STEM NUT. COLONY (OEM 45716-71)
	27-162	CONTOURED STEM NUT XL & FX WITH NARROW GLIDE® FORKS. REPLACES OEM 45716-71
14	**95-445**	TAPERED BEARING SPORTSTER® 1981 & EARLIER. TIMKEN
15	**95-444**	TIMKEN RACE ONLY FOR SUPER GLIDE® ALL YEARS AND LATE SPORTSTER® (OEM 48315-60)
16	**5-34**	HEAD CUP WITH RACES. CHROME (OEM 48311-60)

A. *ULTIMA® FORK BRACES*

No front fender? Want to keep it rigid? Why not eliminate front end flop while adding a touch of style to your ride!! These fork braces are intended for use on 21x2.15 front wheels with an 80/90 or 90/90 front tire installed. Offered in chrome or raw w/the necessary spacers & hardware to fit most standard applications.

29-160	Plain fork brace, chrome.	SOLD EACH
29-161	Plain fork brace, raw.	
29-162	Slotted fork brace, chrome.	
29-163	Slotted fork brace, raw.	
29-164	Kool Kat® fork brace, chrome.	
29-165	Kool Kat® fork brace, raw.	



B. *DAMPER ASSEMBLIES*

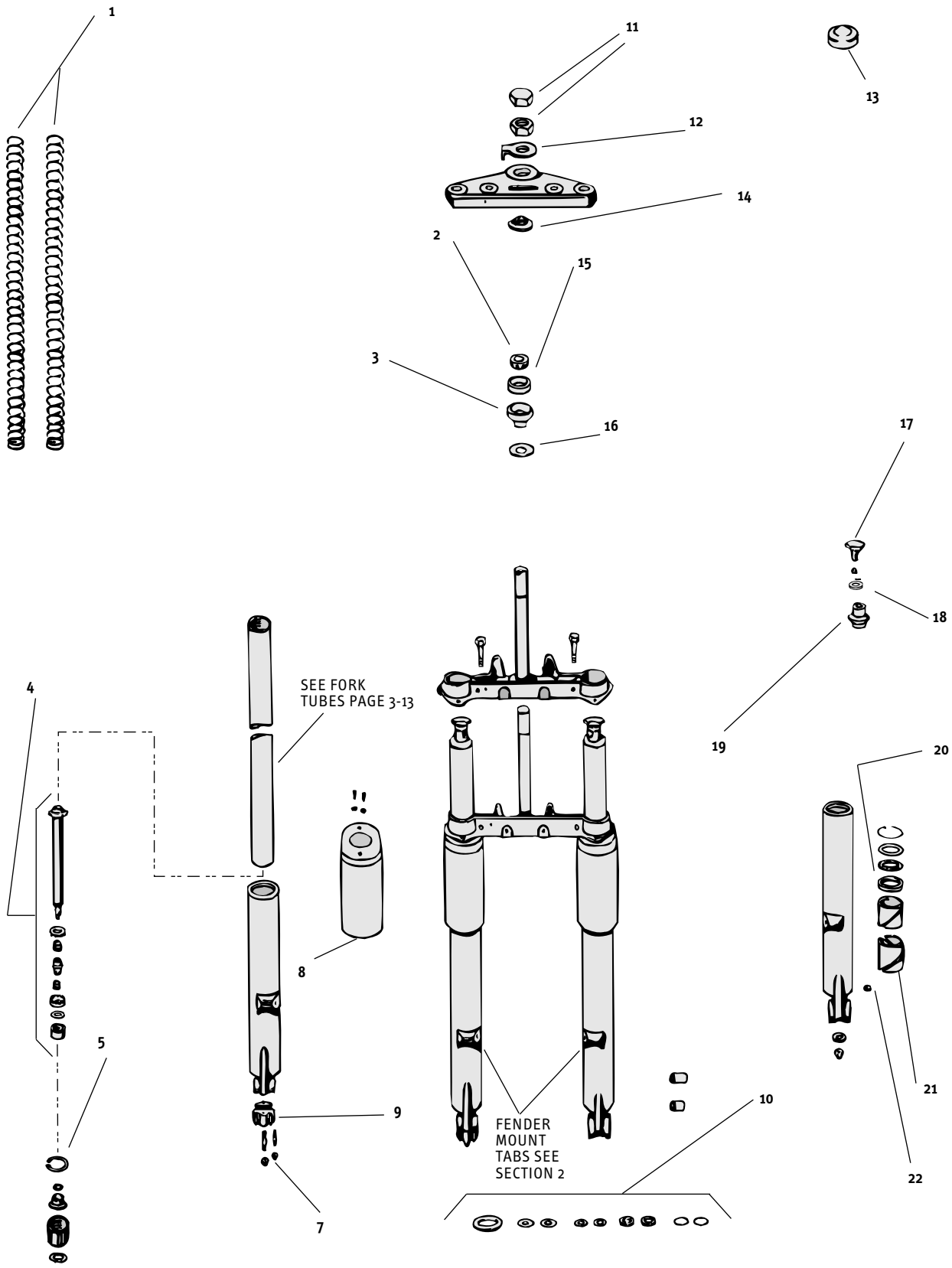
27-104	For FX 1976 thru 1979 and XL 1975 thru 1979. Can also be used on XL, FX & FXR, 1980 thru 1983. OEM 45409-75.	SOLD EACH
27-118	For FXWG 1980 thru 1983. OEM 45418-80.	
27-119	For FL 4 speed late 1977 thru 1984. OEM 45831-77.	
27-164	For FXST/C, Dyna Wide Glide® and FXWG 4 speed 1984 thru 1999. OEM 45418-84.	
27-165	For Heritage® Softail® and Fat Boy® late 1986 thru 1999. OEM 45932-86.	



3

FRONT END PARTS FOR WIDE GLIDE® FL, FLH & FXWG

ALL PARTS SOLD EACH EXCEPT AS NOTED



FRONT END PARTS FOR WIDE GLIDE® FL, FLH & FXWG

ALL PARTS SOLD EACH EXCEPT AS NOTED

1	—	FORK SPRINGS WIDE GLIDE® H-D® 74" 1949 / 1977-1/2 **U.S.A. MADE** (OEM 46051-49A) SOLD AS PAIR
	27-88	FORK SPRINGS SPORTSTER® & SUPER GLIDE® NARROW / SHOWA 1975 / 1984 **U.S.A. MADE** (OEM 45408-75) SOLD AS PAIR
2	**95-311**	HEAD CUP BEARING WITH SEAL 1949 & LATER (OEM 48300-60)
	95-443	TIMKEN BEARING ONLY
3	**5-34**	HEAD CUP WITH RACES. CHROME (OEM 48311-60)
4	**27-68**	DAMPER KIT FOR FL & FLH, 1949 / EARLY 1977 (OEM 46100-48 &B 46161-49) SOLD AS KIT FOR ONE LEG ONLY
5	**27-107**	SNAP RING 1949 / EARLY 1977 **U.S.A. MADE** (OEM 46172-48)
7	**27-101**	FORK SLIDER BOTTOM CAP STUD & NUT KIT FLH 1949 / 1977. COLONY. SOLD AS KIT
8	**27-71**	STOCK FORK TUBE COVERS WIDE GLIDE® 1949 & LATER. CHROME (OEM 45964-49) SOLD AS PAIR
	27-72	2" O.S. FORK TUBE COVERS WIDE GLIDE® 1949 & LATER. CHROME. SOLD AS PAIR
	27-73	4" O.S. FORK TUBE COVERS WIDE GLIDE® 1949 & LATER. CHROME. SOLD AS PAIR
9	**27-130**	BOTTOM CAP FL & FLH LATE 1977 & LATER, FXWG 1980 / 1984, FXST & FLST 1984 & LATER. ZINC PLATED (OEM 45832-77A)
10	**95-177**	GASKET & SEAL KIT FOR H-D® 74" 1948 / 1977-1/2 (OEM 45849-49)
	95-360	GASKET & SEAL KIT FOR H-D® 74" & 80" 1977 / 1999 (OEM 45849-77)
11	**41-127**	CAP NUT / STEM NUT 1948 & LATER 1" X 24 THREAD
	27-110	STANDARD STEM NUT 1948 & LATER 1" X 24 THREAD (OEM 45718-60)
12	**27-106**	LOCKWASHER 1960 / EARLY 1977 (OEM 45717-63)
13	**41-904**	STEM NUT COVER FXWG 1980 & LATER (OEM 45670-80)
14	**27-69**	CONE SEAL NUT W/DUST GUARD EL, FL, FLH, 45" SERVICAR, W/WIDE GLIDE® FORK 1949 & LATER. 1" X 24 THREAD (OEM 48330-48A
15	**95-444**	TIMKEN RACE FOR HEAD CUP (OEM 48315-60)
16	**27-97**	UPPER & LOWER FORK CUP DUST SHIELDS (OEM 48365-48A & 48361-80) SOLD AS PAIR
17	**27-65**	FORK TUBE PLUG WIDE GLIDE® 1948 / EARLY 1977 W/VENTED BREATHER. CHROME (OEM 45754-60)
	27-67	FORK TUBE PLUG H-D® 74" 1977-1/2 & LATER. NON-VENTED (OEM 45419-80)
	27-163	CONTOURED FORK TUBE PLUG. NON-VENTED (OEM 45839-77)
18	**41-103**	FORK TUBE BOLT WASHER. CHROME (OEM 5710) SOLD AS SET
19	**27-53**	WIDE GLIDE® FORK TUBE PLUG HOLDER 1948 / EARLY 1977. CHROME (OEM 45776-49)
	27-54	WIDE GLIDE® FORK TUBE PLUG HOLDER LATE 1977 & LATER. COLONY (OEM 45838-77)
20	**95-111**	FORK SEAL H-D® 74" 1949 / 1977-1/2 (OEM 45852-48)
	95-326	FORK SEAL WIDE GLIDE® 1977 & LATER (OEM 45843-77)
21	**27-95**	UPPER FORK TUBE BUSHING WIDE GLIDE® 1948 / EARLY 1977 (OEM 45852-48)
22	**41-145**	STOCK STYLE PLUG FL 1949 / EARLY 1977. CHROME (OEM 45830-48) SOLD AS KIT

FORK TUBE BOLT & WASHERS

CHROME PLATED

PART NO.	REPLACES OEM NO.	DESCRIPTION	APPLICATION	
27-63	45993-73	Standard cap	Super Glide® & Sportster® 1973 thru mid 1985.	
27-162	445716-71	Contoured stem nut	XL & FX	
27-163	45839-77	Contoured fork tube bolt	Wide Glide® 1977 & later	
41-104	45996-87	Stock/flat top bolt	FX & XL, 1988 & later.	
27-53	45776-49	Standard plug	Wide Glide® 1948 thru 1977.	
27-54	45838-77	Standard plug	Wide Glide® 1978 & later.	
27-65	45754-60	Stock/flat top bolt	Wide Glide® 1948 thru 1977.	
27-77	45419-80 & 5710	Stock/flat top bolt & washer	FL, FXWG & Softail®, 1978 & later.	SOLD AS SET
27-78	45466-87	Stock style fork tube bolt	FXR, Dyna® & Sportster®, 1988 & later. 39mm. Includes O-rings.	
41-103	5710	Fork tube bolt washer	FL, FXWG & Softail® 1978 & later.	SOLD AS PR

ALL PARTS SOLD EACH EXCEPT AS NOTED



41-103



27-53 & 27-54



27-78


27-63


27-163

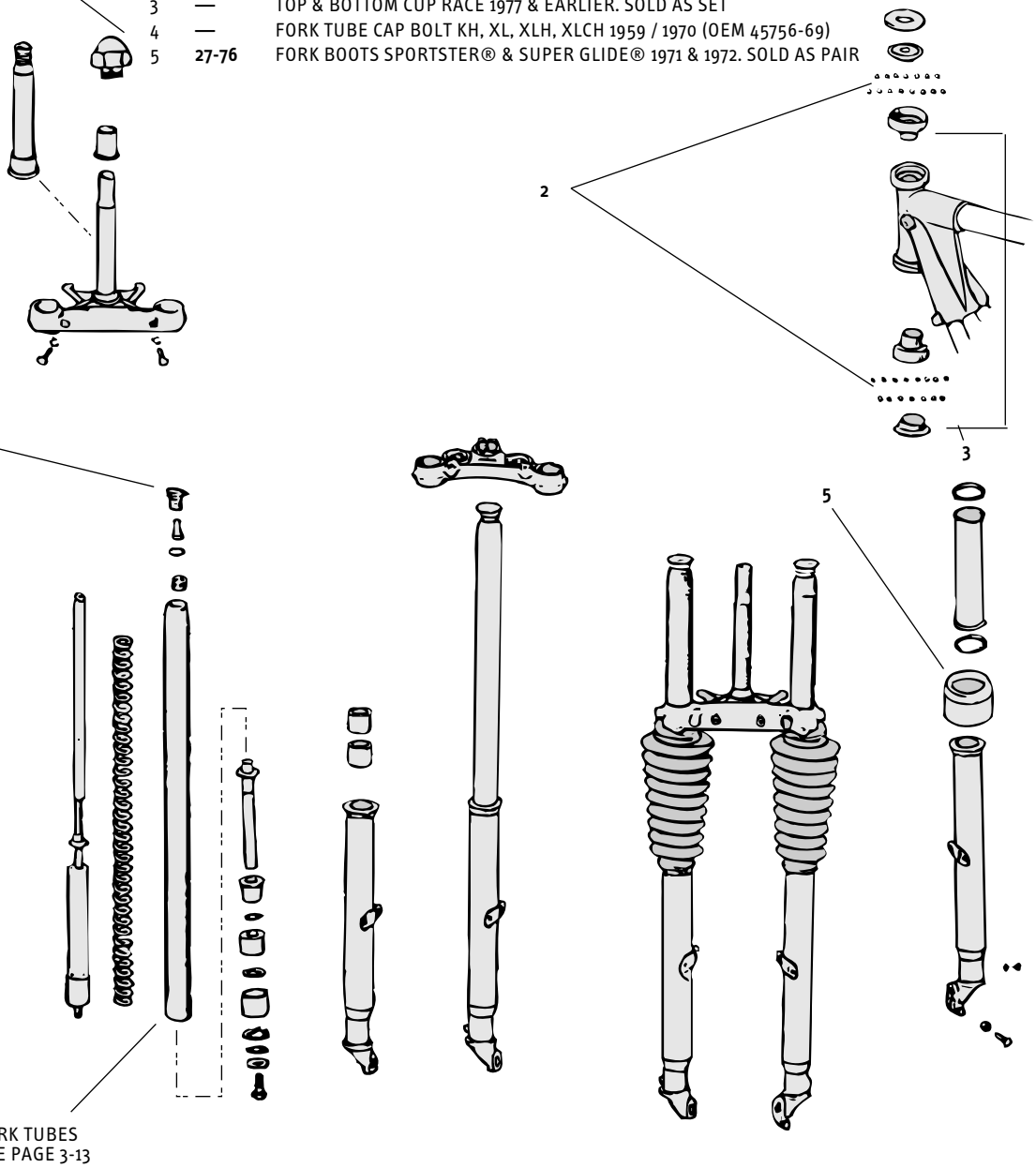

27-162


41-104


27-65, 27-77

FRONT END PARTS FOR SPORTSTER® 1970 & EARLIER

ALL PARTS SOLD EACH EXCEPT AS NOTED



1	—	STEM BOLT KH, XL, XLH & XLCH 1954 / 1970. COLONY (OEM 45722-54)
2	**95-107**	5/16"HEAD RACE BALL (OEM 8860) USE 28
3	—	TOP & BOTTOM CUP RACE 1977 & EARLIER. SOLD AS SET
4	—	FORK TUBE CAP BOLT KH, XL, XLH, XLCH 1959 / 1970 (OEM 45756-69)
5	**27-76**	FORK BOOTS SPORTSTER® & SUPER GLIDE® 1971 & 1972. SOLD AS PAIR

A. *ULTIMA® BILLET TREE WITH HIDDEN STEM NUT*

Chrome plated billet trees for 41MM fork tubes. Features include a stainless steel stem with hidden stem nut and a hole in the bottom tree to be used as a headlight mount. Tree is made with both internal & external fork stops. SOLD AS SET

	PLAIN	BALL MILL
0 DEGREE	**29-115**	**29-116**
5 DEGREE	**29-78**	**29-79**

NOTE: Internal stop trees must use **MW#5-252** style head cups on next page.

B. *ULTIMA® BILLET BLIND TREE*

Chrome plated billet trees for 41MM fork tubes. These trees offer an extremely clean custom look without the clutter of the stock style tube caps and stem nut. Features include a stainless steel stem with hidden stem nut, stainless steel fork tube plug holders, and a hole in the bottom tree to be used as a headlight mount. Tree is made with both internal & external fork stops. SOLD AS SET

	PLAIN	POINTED
0 DEGREE	**29-82**	**29-61**
5 DEGREE	**29-87**	**29-52**

NOTE: Internal stop trees must use **MW#5-252** style head cups on next page.

C. *ULTIMA® BILLET BOOMERANG BLIND TREE*

Chrome plated boomerang style billet trees for 41MM fork tubes. These trees offer an extremely clean custom look without the clutter of the stock style tube caps and stem nut. Features include a stainless steel stem with hidden stem nut, stainless steel fork tube plug holders, and a hole in the bottom tree to be used as a headlight mount. Tree is made with both internal & external fork stops. SOLD AS SET

0 DEGREE	**29-76**
5 DEGREE	**29-101**

NOTE: Internal stop trees must use **MW#5-252** style head cups.

D. *REPLACEMENT PARTS FOR ULTIMA® TREES*

27-200	Lower stem nut for hidden trees.	SOLD EACH
27-201	Fork caps for hidden trees.	SOLD EACH
27-189	Fork stops. Fits all Ultima® triple trees.	SOLD EACH
27-187	Oversized fork stops. Fits all Ultima® triple trees. 1" diameter, 1-1/2" tall.	SOLD EACH
27-253	Replacement, bolt for slotted tree.	SOLD AS PAIR
27-254	Replacement cam lock and bolt.	SOLD EACH

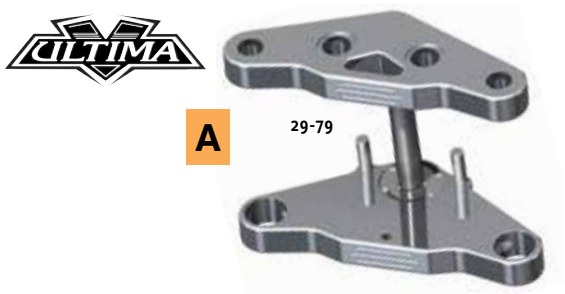
E. *REPLACEMENT PARTS FOR DUECE™ TRIPLE TREES*

WILL FIT MOST H-D® FRAMES & CUSTOMS

Fits 1936 & later H-D® frames and customs. Replaces 2000 & later Duece™ trees. **NOTE:** This triple tree can be used with any year 41mm fork tube assembly.

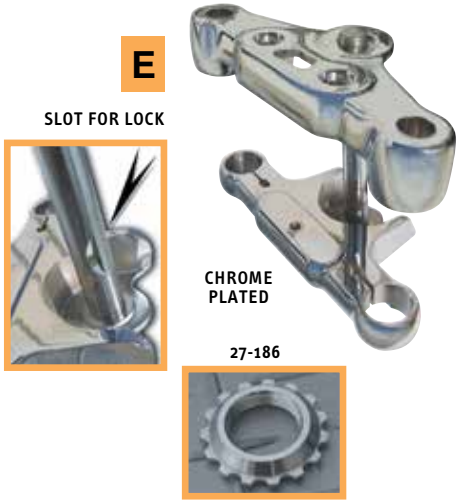
ORDER SEPARATELY

27-97	Top & bottom dust shields. OEM 48361-80 & 48365-48. SOLD AS SET	
27-106	Lock for stem nut. OEM 45717-63.	SOLD EACH
27-110	Stem nut. OEM 45718-60.	SOLD EACH
27-186	Stem nut seat, upper head cup. OEM 48324-00.	SOLD EACH
41-904	Stem nut cover. OEM 45670-80.	SOLD EACH









3

A



B



C



D



E



A. *TRIPLE TREE FOR YAMAHA ROADSTAR 99'-06'*

The Chrome Horse® 6˚ Triple tree assembly are designed to fit Yamaha Roadstar 99'-06' & can be used with any of our 41mm fork legs & axles (available in section 3).

29-69 6˚ Raked Triple Tree set, blind, w/bearings. SOLD EACH

B *FORK CLAMP SETS*

Fits fork tubes with O.D. 1.625". Top clamp has riser mount holes 3.5" center to center.

29-45 Fits Big Twin 1949 & later. FLH style. SOLD AS SET
Chrome plated tree. OEM 45700-48 & 56121-60A.

29-67 Fits Fat Boy® and Heritage Softail® models. Chrome plated. Replaces OEM 45456-86 & 45603-86.

29-68 Fits FXST, FXSTC Softail® models. Chrome plated. Replaces OEM 445672-80A & 45640-88B.

NOTE: See Section 4 for handlebar bushings.

C. *CHROME PLATED FORK TUBE BOLTS AND STEM NUT*

Our chrome plated fork tube bolts and stem nut offer a smooth contour design on top to enhance the appearance of your motorcycle.

27-162 Contoured stem nut. Fits XL and FX SOLD EACH
models with narrow glide forks, our Chrome Horse® billet triple trees, as well as most custom billet triple trees Replaces OEM 45716-71.

27-163 Contoured fork tube bolts. Fits Wide SOLD EACH
Glide® style forks late 1977 & later with non-vented fork stem nuts. Replaces OEM 45839-77.

27-62 STEM NUT. COLONY (OEM 45716-71)

To protect the finish of your chrome triple tree we suggest using Colony chrome fork tube bolt washers.

41-103 Fork tube bolt washers for FL, SOLD AS PAIR
FXWG, & Softail® 1978 & later. OEM 5710.

D. *HARDWARE FOR WIDE GLIDE® TRIPLE TREE*

CHROME PLATED EXCEPT AS NOTED

41-127 Cap nut; 1-24 thread for 1948 & later.

27-110 Standard nut; 1-24 thread for 1948 & later. OEM 456718-60.

27-106 Lock washer for 1960 thru early 1977. OEM 45717-63. Not chrome.

27-69 Jam nut with dust guard; 1-24 thread for 1949 & later. OEM 48330-48A.

41-904 Stem nut cover for FXWG & FXST. OEM 45670-80. 1/4" - 20 Stud inside center.

41-26 Zinc plated stem bolt & washer for Sportster® & FXR, 1988 & later, Dyna® Narrow Glide and FLST models. Replaces OEM 4453 & 6655. 5/8 - 18 x 1". Drilled & tapped 1/4" - 20 on top to accommodate stem nut cover part No. **41-904** above. Colony.

E. *STEERING DAMPER KITS*

These stabilizer kits cut down high speed wobble. For use on high performance racing applications. Seven adjustments on damper. Mounting hardware included. Satin finish aluminum body.

27-122 Fits FXSTC Softail® 41mm tubes. SOLD AS KIT
Bikes with fork tins cannot use this —tins interfere with mounting. Body length: 7-9/16". Slide shaft & swivel joint: 14-3/4" long.

27-123 Fits 883cc & 1200cc Sportster® 39mm tubes. Body length: 6-3/4". Slide shaft & swivel joint: 13" long. 1986 thru 2003.

A. *FORK GASKETS AND SEAL KITS*

95-360 Fits H-D® 74" & 80" late 1977 & later (includes 6 pieces). OEM 45849-77. SOLD AS KIT

95-177 Fits H-D® 74" 1949 thru early 1977 using Glide front end (includes 10 pieces). OEM 45849-49.

95-440 Fits FLT, FLHT, FXWG and FXST, 1984 & later (includes 8 pieces). OEM 45849-84.

95-438 Fits FX 1973 thru 1977 and Sportster® 1973 & 1974, with Kayaba 35mm forks (includes 8 pieces). OEM 45849-73.

95-439 Fits FX 1976 thru 1983 and Sportster® 1975 thru 1983, with Showa 35mm forks (includes 8 pieces). OEM 45849-75.

95-441 Fits FX, FXR and Sportster®, 1984 thru 1987, with Showa 35mm forks (includes 8 pieces). OEM 45849-84A.

95-442 Fits FXR, Dyna Glide® and Sportster®, 1987 & later, with Showa 39mm forks (includes 6 pieces). OEM 45849-87.

B. *FORK SEALS*

NARROW GLIDE FORKS

95-113 For Sportster® & FX, 1971 & 1972, OEM 45975-71. SOLD EACH

95-206 For Sportster® & FX, 1973 thru 1976, Kayaba forks. OEM 45927-73.

95-205 For Sportster®, FX & FXR, 1975 thru 1983, Showa forks. OEM 45400-75.

95-400 For Sportster®, FX & FXR 35mm, Showa forks. OEM 45387-83.

95-401 For Sportster®, FX & FXR, 39mm, Showa forks. OEM 45378-87.

WIDE GLIDE® FORKS

95-111 For FL & FLH, 1949 thru early 1977. OEM 45852-48. SOLD EACH

95-326 For FL & FLH, late 1977 thru 1984. Also FXWG, FLT & FLHT, 1980 thru 1983. OEM 45843-77.

95-399 For FLT, FLHT, FXWG & Softail®, 1984 thru 1995. OEM 45875-84.

C. *HEADLIGHT HOUSING FOR FL*

89-257 For FL 1960 & later. OEM 67847-60 & OEM 67848-60. SOLD AS SET

86-70 Headlight rim, gasket & spring clips. Fits FL & FLH 1960 thru 1980. OEM 67712-60A. SOLD AS KIT

89-107 Visor for all 7" Big Twin headlights 1949 & later, also part No. **8-77**. SOLD EACH

D. *STAINLESS STEEL & CHROME TRIPLE TREE COVERS FOR FL MODELS*

This custom made triple clamp cover, also available in stainless steel or chrome plated, is designed to fit the late H-D® top triple clamp with a 3-1/2" center handlebar clamp.

29-49 Chrome plated cover. SOLD EACH

E. *FRONT FORK TRIM FOR FL*

Chrome plated. SOLD EACH

89-278 Chrome plated rear left fork panel.











F. *FORK TIN FOR HERITAGE SOFTAIL®& FAT BOY®*

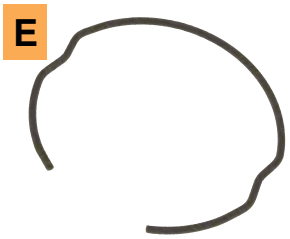
Chrome plated steel tins to give that "antique" look. Chrome hardware included.

89-349 Fits all Heritage Softail® and Fat Boy®, 1986 & later. Replaces OEM 67808-86, 67816-86 & 67820-86. SOLD AS KIT















H. *FORK CUPS*

5-251 Polished stainless steel neck cups with internal fork stops. Fits all frames that accept neck cups. SOLD AS KIT

5-252 Same as #5-251, but without the machined insert. To be used with Ultima® internal stop trees.

A. *CHROME FORK TUBE COVERS*

Fits FL 1949 thru 1988, FLT, FLHT, FLHR, 1980 thru 1999, and all models FLSTC, FLSTF & FLSTN.

27-71 Stock length; 6" long. OEM 45963-97. SOLD AS PAIR
27-72 2" Over stock size.
27-73 4" Over stock size.

B. *CHROME BOOT CAPS*

These caps fit over the stock boots to give that custom look.

27-74 For Kayaba forks, 35mm. SOLD AS PAIR
27-75 For Showa forks, 39mm
27-94 For Wide Glide®, 1949 thru early 1977.
27-117 For FXWG 1980 thru 1986 and Softail® 1984 & later (except FXSTS, FXSTF & Heritage Softail®).

C. *2-PIECE FORK BOOT COVERS*

Two-piece fork boot covers to fit over the rubber boot without taking apart the front end. Held together with springs.

27-120 Fits FXST & FXWG models, 1980 & later. Replaces OEM 45415-82. SOLD AS PAIR
27-121 Fits FX & FXR models, 1976 thru 1987 and Sportster® 1975 thru 1987. Replaces OEM 45411-82. SOLD AS PAIR

D. *FORK BOOTS*

27-76 For Sportster® & Super Glide®, 1971 & 1972.
27-60 For Sportster® & Super Glide®, Kayaba forks.
27-61 For Sportster® & Super Glide®, Showa forks.
27-48 For H-D® 74" Wide Glide®.
27-108 For FXWG & FXST, 1980 & later (except Dyna Wide Glide®, Heritage Softail® and Fat Boy®). OEM 45420-80.

E. *FORK SEAL RETAINING RING*

Steel spring wire zinc plated just like stock. For FL 4 speed late 1977 thru 1984, FLT & FLHT 1980 thru 1983, FXWG 1980 thru 1986, and Softail® 1984 & later.

27-109 Fork seal retaining ring. OEM 45842-77. SOLD EACH

F. *HEAD CUP FOR BIG TWIN, SUPER GLIDE® & 45" SERVI-CAR*

5-34 Head cup with race. OEM 48311-60. SOLD EACH
95-444 Bearing race only, OEM 48315-60. Timken.
95-443 Bearing. Timken.

G. *HEAD CUP & RACE BALLS FOR SPORTSTER®*

For Sportster® 1977 & earlier and 45" Solo & Servi-Car front ends.

95-107 Head race ball, 5/16". Big Twin uses. 34 balls; Sportster®, 45" Solo & Servi-Car use 28 balls. OEM 8860. SOLD EACH

A. *LOWER HEAD CUP WITH FORK STOP*

Head cup with machined fork stop. Includes pin to keep cup from moving in frame. Frame must be drilled with a 3/16" hole using the head cup as a drill guide. Use with Dyna® or FXR lower tree.

5-219 Head cup with fork stop for Big Twin. SOLD EACH

B. *TAPERED HEAD CUP FOR BIG TWIN*

5-301 Tapered head cup without race. Replaces OEM 48311-60. SOLD AS PAIR

C. *TIMKEN-TYPE BEARING CUPS & BEARINGS FOR SPORTSTER® 1977 & EARLIER*

Timken style conversion kit with bearing included. Converts a stock Sportster® neck to the tapered Timken-type bearing set up.

5-60 Tapered bearing conversion kit for Sportster® 1977 & earlier. SOLD AS KIT

95-445 Timken tapered bearing only. Will also fit Sportster® 1978 thru 1981. SOLD EACH

95-655 Timken bearing race. O.D. 1.9685. SOLD EACH

D. *TAPERED BEARING FOR BIG TWIN, SUPER GLIDE®, 45" SERVI-CAR & SPORTSTER® 1982 & LATER*

Timken tapered bearing. OEM 48300-60.

95-443 Bearing. Timken. SOLD EACH

95-311 Tapered bearing with seal, 1949 & later.

95-444 Race only. OEM 48315-60. Timken.

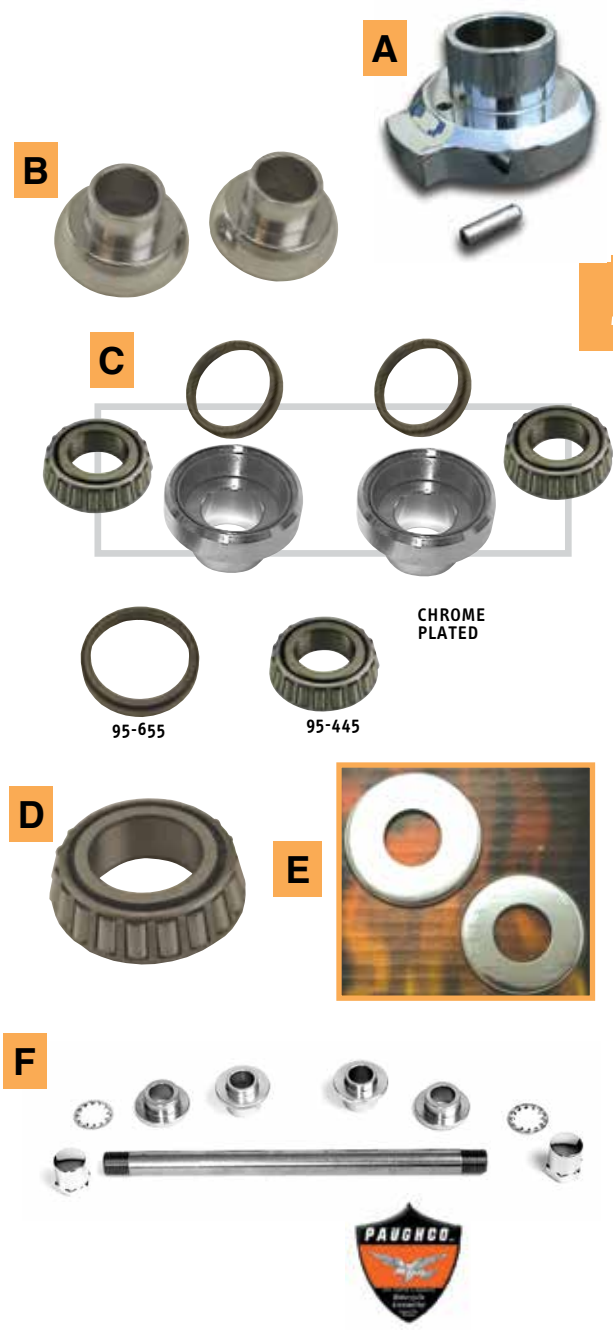
E. *FORK CUP DUST SHIELDS FOR H-D® 74"*

Replaces OEM 48365-48A (lower) and OEM 48361-80 (upper).

27-97 Dust shields for Big Twin front forks. SOLD AS PAIR

F. *AXLE KITS FOR PAUGHCO WIDE TAPERED LEG SPRINGERS*

32-148 For use w/single disc 1984-1999 FXST hubs and the OEM springer caliper mount.



HANDLEBAR/ CONTROL

4



HANDLEBARS, RISERS, HAND & FOOT CONTROLS FOR CLUTCH, BRAKE LEVERS, SHIFTERS, THROTTLES, MIRRORS, ALL GAUGES, FITTINGS & HOUSING, CONTROLS, SPEEDOMETER, TACHOMETER, CABLES & HOSES

ULTIMA® 1" DIAMETER CHROME KNURLED REPLACEMENT HANDLEBARS

These 1" dia. bars are made of 14 gauge steel tubing diamond knurled for OEM risers on 3.5" center to prevent slippage. 1982 & Later bars are dimpled for late model controls.

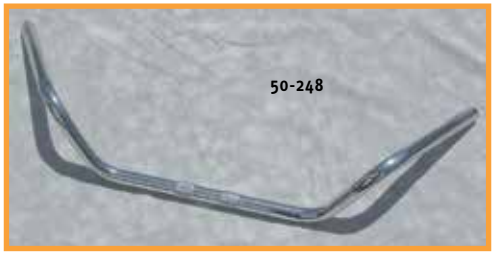
NEW!

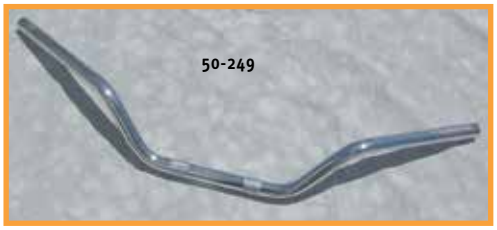
SOLD EACH

BLACK PART #	CHROME PART #	REPLACES OEM NO.	APPLICATION	CENTER WIDTH	PULL HEIGHT	PULL WIDTH	PULL BACK
★50-342	50-250	56569-86	Fits FLST 1987 thru 1997.	31.32"	11.41"	7.46"	5.22"
★50-339	50-221	56079-93	Mini "ape hanger." Fits FXDWG 1993 thru 1997.	32.77"	9.13"	6.35"	7.19"
—	50-248	55919-82	Fits FLST/N 1990 thru 1997, FLH 1982 thru 1984, and FLHR 1994 thru 1997.	32.57"	4.27"	12.09"	9.01"
★50-341	50-249	56094-95	Fits Bad Boy® (Springer® fork). Knurled & dimpled.	31.17"	6.01"	6.90"	4.20"
★50-343	50-251	—	Heritage® style for Road King®. Knurled & dimpled.	31.55"	13.13"	8.06"	5.34"
—	50-252	—	Glide® style bar for H-D®. Knurled & dimpled.	35.93"	3.41"	10.35"	6.81".
★50-335	50-225	—	12" Ape hanger. Knurled, without dimples.	33.45"	10.22"	7.85"	6.91"
★50-336	50-226	—	12" Ape hanger. Knurled & dimpled.	33.45"	10.22"	7.85"	6.91"
★50-337	50-246	—	12" Ape hanger (Springer® fork). Knurled & dimpled.	33.45"	10.22"	7.85"	6.91"
★50-338	50-220	—	16" Ape hanger. Knurled & dimpled.	33.45"	13.65"	8.04"	N/A
★50-340	50-222	—	16" Ape hanger. Knurled, without dimples.	33.45"	13.65"	8.04"	N/A
★50-344	50-223	—	Drag bar. Without knurls & dimples.	26.0"	—"	9.0"	5.0"
★50-345	50-224	—	Standard drag bar for 1982 & later. Knurled & dimpled.	—	—"	9.0"	5.0"
★50-346	50-202	—	Medium Buckhorn. Knurled & dimpled.	28.75"	6"	9.75"	10.5"
—	50-204	—	Pre-77. 35.5"	4.5"	10.5"	7.75"	

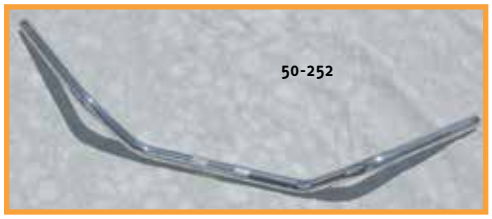








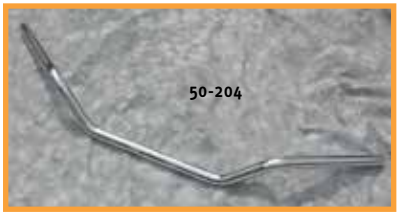


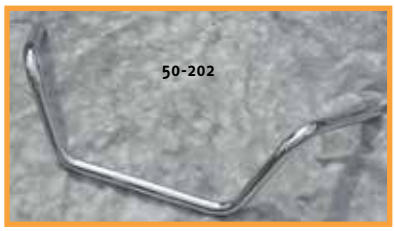












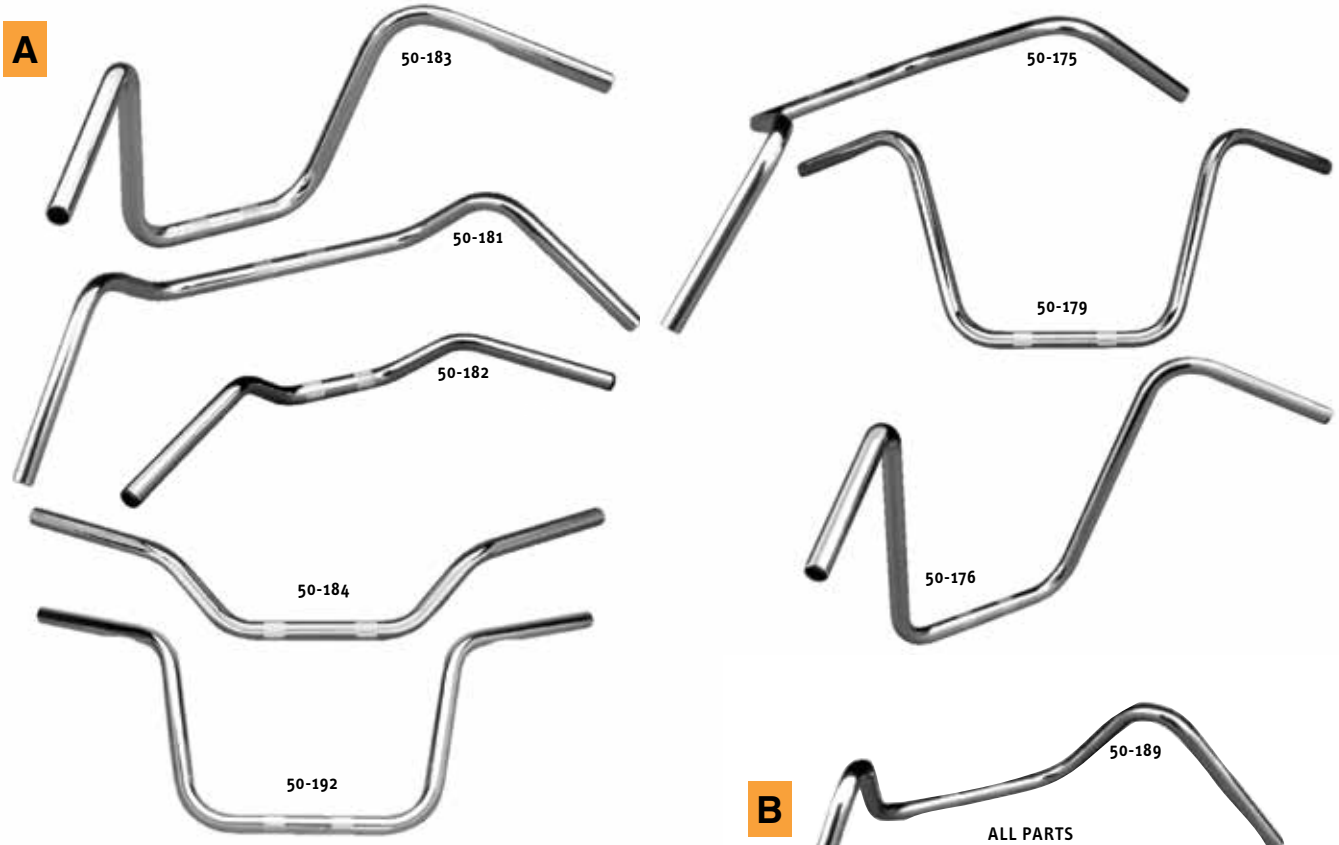
A. *1" HANDLEBARS*

CHROME KNURLED REPLACEMENT HANDLEBARS

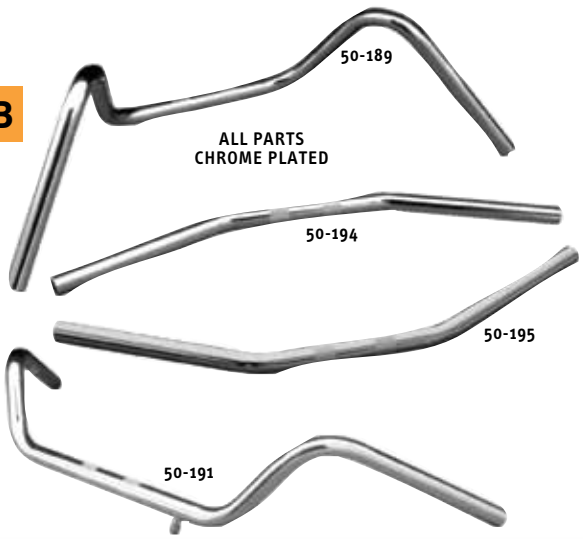
Shown below, these 1" dia. bars are made of 14 gauge steel tubing diamond knurled for OEM risers on 3.5" center to prevent slippage. 1982 & Later bars are dimpled for late model controls. SOLD EACH

PART NO.	REPLACES OEM NO.	APPLICATION	WIDTH	HEIGHT	CENTER WIDTH	PULL BACK
50-183	56079-93	Mini "ape hanger." Fits FXDWG 1993 thru 1997	32.77"	9.13"	6.35"	7.19"
50-181	55919-82	Fits FLST/N 1990 thru 1997, FLH 1982 thru 1984, and FLHR 1994 thru 1997.	32.57"	4.27"	12.09"	9.01"
50-182	56082-83	Fits FXRS 1987, FXDB-S 1991, 883cc 1986 thru 1997, and XLS 1983 thru 1985.	27.14"	4.64"	4.71"	4.85"
50-184	56094-95	Fits Bad Boy® (Springer® fork). Knurled & dimpled.	31.17"	6.01"	6.90"	4.20"
50-192	—	Heritage® style for Road King®. Knurled & dimpled.	31.55"	13.13"	8.06"	5.34"
50-188	—	Glide® style bar for H-D®. Knurled & dimpled.	35.93"	3.41"	10.35"	6.81".
50-175	—	12" Ape hanger. Knurled, without dimples.	33.45"	10.22"	7.85"	6.91"
50-177	—	12" Ape hanger. Knurled & dimpled.	33.45"	10.22"	7.85"	6.91"
50-179	—	12" Ape hanger (Springer® fork). Knurled & dimpled.	33.45"	10.22"	7.85"	6.91"
50-176	—	16" Ape hanger. Knurled, without dimples.	33.45"	13.65"	8.04"	N/A
50-178	—	16" Ape hanger. Knurled & dimpled.	33.45"	13.65"	8.04"	N/A

A



B



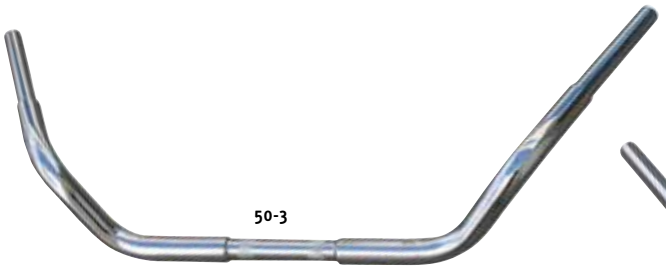
B. *CHROME KNURLED 1" CUSTOM HANDLEBARS*

1" Diameter, 14 gauge steel tubing diamond knurled for OEM risers on 3.5" center to prevent slippage. 1982 & Later bars are dimpled for late model controls.

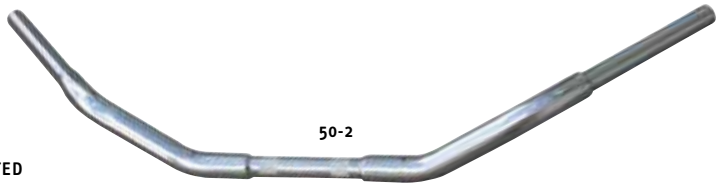
50-189 Hi-rise buckhorn pullback. Fits H-D® 1982 & later.
50-191 Fat Boy® style. Fits H-D® 1973 thru 1981.
50-194 Standard drag bar. Fits Fits H-D® 1973 thru 1981.
50-195 Standard drag bar. 9" Center width, 5" pull back. Fits H-D® 1982 & later.

SOLD EACH

MAMMOTH BARS







ALL PARTS
CHROME PLATED





Mammoth bars for 1982 & later. Dimpled for late style controls Centers are knurled. These bars look great on Wide Glide® front ends where mammoth, massive look is cool.

PART NO.	STYLE	WIDTH	HEIGHT	PULL BACK
	1-1/4" DIAMETER HANDLEBARS, 3-1/2" RISER SPACING			
50-263	Drag bars.	30.5"	0.0"	6.25"
50-2	Fat Boy® style.	35.0"	4.25"	9.0"
50-3	Dresser style.	35.0"	5.25"	12"
50-259	Ape Hangers.	34.0"	10.0"	8.5"
50-260	Ape Hangers.	35.0"	13.0"	8.5"
50-261	Ape Hangers.	36.0"	16.0"	8.5"
50-262	Ape Hangers.	37.0"	18.0"	12.5"
50-267	XLX style.	33.5"	9.0"	9.5"
	1-1/2" DIAMETER HANDLEBARS, 3-1/2" RISER SPACING			
50-255	Riser drag bars.	32.75"	8.0"	11.5"
50-256	Riser drag bars.	32.75"	6.0"	11.5"
50-257	Riser drag bars.	32.75"	10.0"	11.5"
50-258	Riser drag bars.	31.0"	9.5"	8"
	1-1/4" DIAMETER HANDLEBARS, 4" RISER SPACING			
50-51	Drag bars.	30.5"	0.0"	6.25"

SOLD EACH





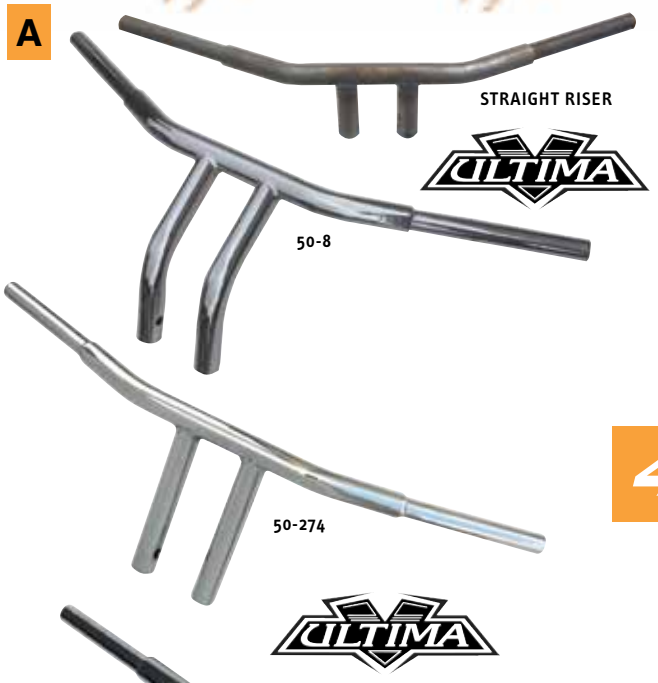
A. *1-1/4" ULTIMA® DRAG BARS*

These custom drag bars are 1 1/4" Dia. and have either straight or pull back risers, in chrome or raw finish. All bars are on 3.5" centers, are 31" wide and come drilled for internal wiring.

PART NO.	RISER STYLE	HEIGHT	FINISH
50-1	Pull back	6.0"	Chrome
50-270	Pull back	6.0"	Raw
50-8	Pull back	8.0"	Chrome
50-271	Pull back	8.0"	Raw
50-272	Straight	4.0"	Chrome
50-273	Straight	6.0"	Chrome
50-274	Straight	8.0"	Chrome
50-275	Straight	10.0"	Chrome

SOLD EACH

A



B. *ULTIMA® DRAG Y-BARS - CHROME*

These custom drag bars are 1-1/2" Dia. and have either 1 or 2 bend risers, chrome finish. All bars come drilled for internal wiring.

1-1/2 INCH, 3.5" CENTERS

ONE BEND STYLE - 32" WIDE

50-105 Y-Bar, 1 bend, 8.0" rise. Chrome.
50-106 Y-Bar, 1 bend, 10.0" rise. Chrome.

TWO BEND STYLE - 31" WIDE

50-107 Y-Bar, 2 bend, 6.0" rise. Chrome.
50-108 Y-Bar, 2 bend, 8.0" rise. Chrome.

1-1/2 INCH, 4" CENTERS

ONE BEND STYLE - 32" WIDE

50-54 Y-Bar, 1 bend, 6.0" rise. Chrome.
50-55 Y-Bar, 1 bend, 8.0" rise. Chrome.
50-56 Y-Bar, 1 bend, 10.0" rise. Chrome.

TWO BEND STYLE - 31" WIDE

50-57 Y-Bar, 2 bend, 6.0" rise. Chrome.
50-58 Y-Bar, 2 bend, 8.0" rise. Chrome.
50-59 Y-Bar, 2 bend, 10.0" rise. Chrome.

SOLD EACH

B



C. *CLUBMAN HANDLEBARS* NEW!

Clubman Handlebars (non-dimpled), durable finish. Made of sturdy carbon steel. Seamless steel tubing construction. 27.5" WIDE, 4.5" drop, 4.5" pullback, 6" center. Available in show-chrome or black finish. SOLD EACH

★**50-280** Clubman handlebars, chrome.
★**50-281** Clubman handlebars, black.

C



4

1-1/4" CHROME SWEDGED HANDLEBARS

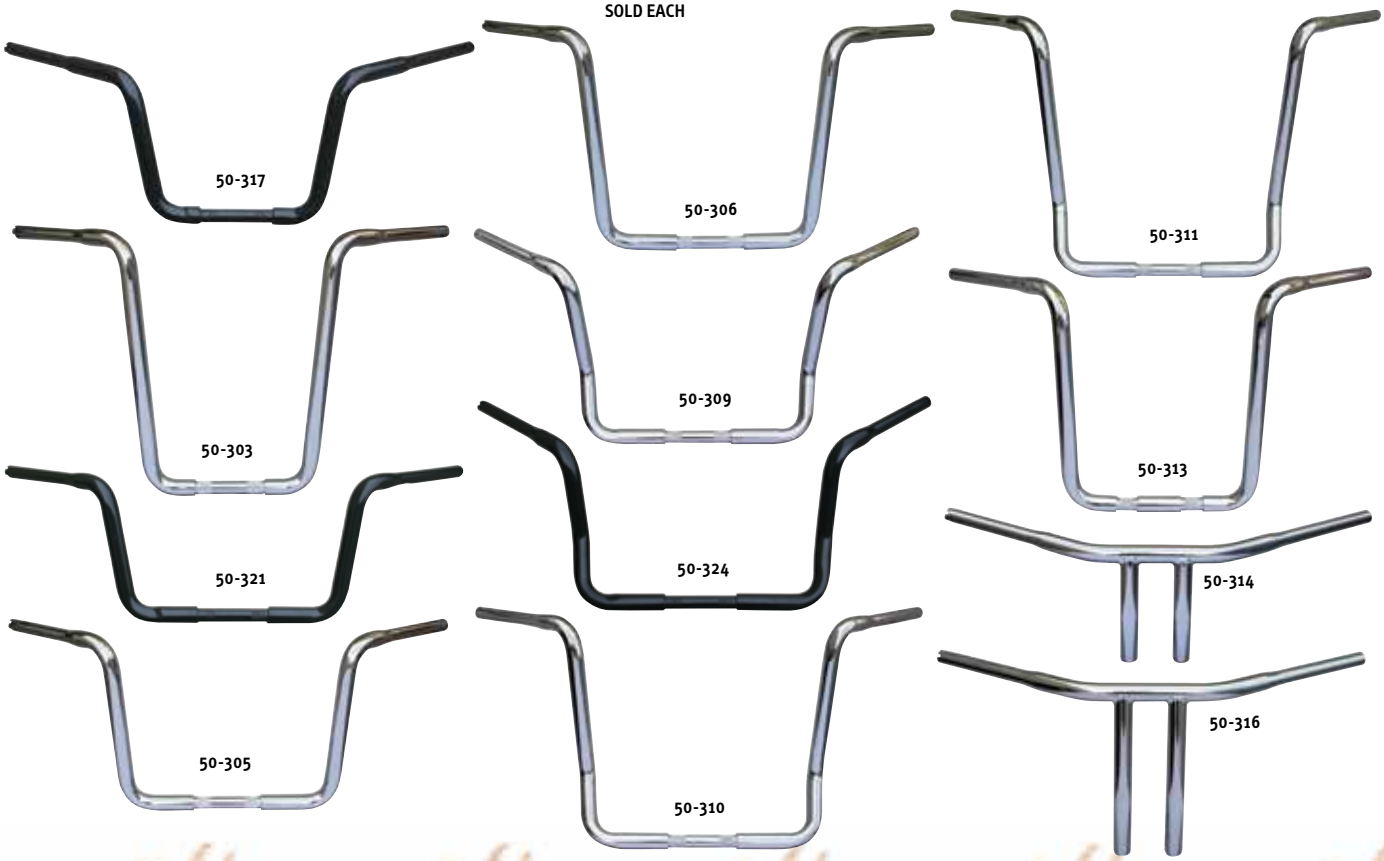
These swedged handlebars have a unique smooth taper transition from the 1-1/4" diameter to the 1" area for mounting the stock OEM style 1" handlebar controls or any 1" custom controls. Also this taper allows you to rotate the master cylinder to any position to clear the bars with any brake line. These bars are made with CNC bender for a smooth radius at each bend. Each handlebar comes with a fishing wire already installed for easy access of pulling your wire harness through the bars. Notched bar end for fly-by-wire applications. Can also be used w/standard throttle cable applications

NEW!



BLACK PART NO.	CHROME PART NO.	DESCRIPTION	WIDTH	HEIGHT	CENTER WIDTH	PULL BACK
Narrow Body Ape Hangers: Fits all Big Twin and Sportster® models 1982 to present. (Except FLHT and FLHTC Models)						
★50-317	50-300	11" NARROW BODY APE HANGER	33.75"	11"	10"	11.14"
★50-318	50-301	14" NARROW BODY APE HANGER	33.75"	14"	10"	10.90"
★50-320	50-302	17" NARROW BODY APE HANGER	33.75"	17"	10"	10.70"
★50-326	50-303	19" NARROW BODY HANGER	33.75"	19"	10"	10.70"
Wide Body Ape Hangers: Fits all Big Twin and Sportster® models 1982 to present. (Except FLHT and FLHTC Models)						
★50-321	50-304	11" WIDE BODY APE HANGER	31.50"	11"	14.25"	8.62"
★50-322	50-305	14" WIDE BODY APEHANGER	31.50"	14"	14.25"	8.43"
★50-323	50-306	17" WIDE BODY APE HANGER	31.50"	17"	14.25"	8.27"
★50-327	50-307	19" WIDE BODY APE HANGER	31.50"	19"	14.25"	8.27"
Dresser Ape Hangers: Fits FLHT & FLHTC models 1982 to present.						
★50-324	50-308	11" DRESSER APE HANGER	31.50"	11"	15.75"	8.62"
★50-325	50-309	14" DRESSER APEHANGER	31.50"	14"	15.75"	8.43"
★50-328	50-310	17" DRESSER APE HANGER	31.50"	17"	15.75"	8.27"
★50-329	50-311	19" DRESSER APE HANGER	31.50"	19"	15.75"	8.27"
Springer Ape Hangers: Fits Springer models 1988 to present.						
★50-330	50-312	11" SPRINGER APE HANGER	31.50"	11"	11.50"	9.53"
★50-331	50-313	17" SPRINGER APE HANGER	31.50"	17"	11.50"	9.29"
T-Bars: Fits most models 1982 to present with 3.50" center to center risers.						
★50-332	50-314	6" T-BAR	30.25"	6"	9"	11.42"
★50-333	50-315	8" T-BAR	30.25"	8"	9"	11.42"
★50-334	50-316	10" T-BAR	30.25"	10"	9"	11.42"

SOLD EACH



A. *CUSTOM HANDLEBAR CLAMP COVER*

Fits FL 1960 thru 1979 and replace OEM 56590-60.

89-258 Plain chrome handlebar cover. SOLD EACH

B. *CUSTOM UPPER HANDLEBAR CLAMPS*

Quality die cast handlebar clamps for Sportster® and Super Glide®.

34-77 Plain with long skirt. SOLD EACH
34-78 Plain with short skirt.

C. *RIBBED HANDLEBAR TOP CLAMP*

Chrome plated, die cast, without skirt.

34-105 Fits all H-D® stock style two piece risers 1974 & later. Replaces OEM 56115-79. SOLD EACH

D. *SCALLOPED HANDLEBAR TOP CLAMP*

Chrome plated, die cast, scalloped handlebar clamp without skirt.

34-104 Fits all H-D® stock style two piece risers 1974 & later. SOLD EACH

E. *FXST STYLE RISERS*

ALL PARTS CHROME PLATED

6" Tall replicas of FXSTB risers (OEM 56223-98). Can be used with any stock style top clamp.

34-113 Risers with 1/2-13 threads for mounting bolts. SOLD AS PAIR

RISERS WITH TOP CLAMP & ALLEN SCREWS

SOLD AS KIT

34-115 Risers & scalloped top clamp.
34-117 Risers & plain top clamp without skirt.

F. *FXWG STYLE RISERS*

4-1/2" Tall replicas of FXWG risers, OEM 56063-82A. Can be used with any top clamp.

34-93 Risers. SOLD AS PAIR

G. *SHORT RISERS FOR FL & FX*

Die cast, chrome plated risers can be used on all models.

34-92 Fits FL 1977 thru 1984. Height is 1-3/4". Thru bolt design. OEM 59940-79 and 59941-79. SOLD AS PAIR
34-101 Fits FX 1979 thru 1983. Height is 2-1/16". 1/2" - 13 Threaded. OEM 56116-77 and 56117-77.

H *H-D® OEM STYLE RISERS*

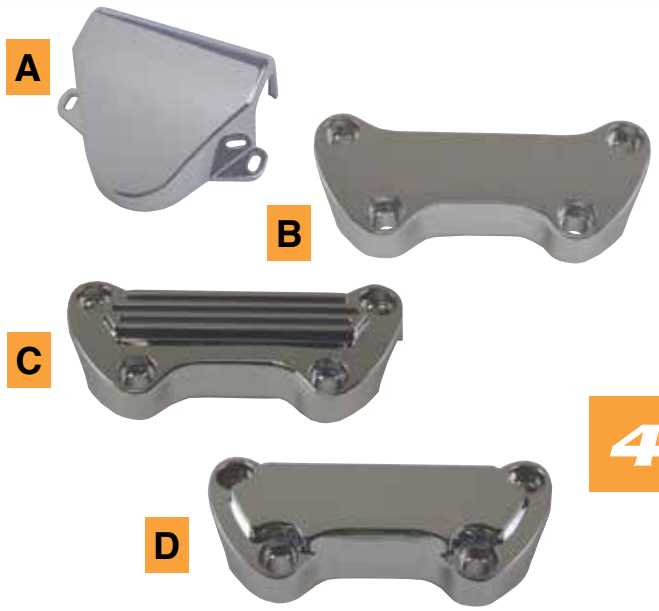
This riser is a replica of the early H-D® riser. It includes inside rubber damper. Cap has counter-sunk allen bolts. Thru bolt & nut is included. For 7/8" handlebars order our part No. **34-82** reducers.

34-76 5" High for 1" handlebars. SOLD AS PAIR

I. *9.5" PULLBACK RISERS*

Massive 1-1/4" shafts perfect for fat handlebars. 30°Bend at 6" up. Uses top clamps as on catalog page 4-7; "OEM style." Bottom mount holes 1/2" x 13 threads.

34-126 9.5" Pullback risers; mounts 1" bars. SOLD AS PAIR









4

















A. *PULLBACK RISERS FOR SPORTSTER® AND SUPER GLIDE®*

Designed to accept stock upper handlebar clamp or our custom clamps shown at left. 1-1/2" Set back, 4-1/2" rise so handlebars will clear Fat Bob® tanks. SOLD AS PAIR

34-90 Risers only. For any Sportster® or Super Glide®.

B. *PULLBACK RISERS*

Large diameter risers give a heavy duty look to the front end. Looks take a cue from the Harley® Deuce™ Fits 00'-later FX Softails® with stock triple trees and 1" handlebars. SOLD AS PAIR

34-119 Pullback risers

C. *ROUND "GLIDE RISER"*

Mount with 1/2"-13 bolts. For 7/8" handlebars order our part No. **34-82** reducers.

34-5 4" High for 1" handlebars. SOLD AS PAIR
34-6 6" High for 1" handlebars.
34-7 8" High for 1" handlebars.

D. *ROUND RISERS*

Custom handlebar risers completely machined from solid cold rolled steel. The pre-threaded stems bolt directly to triple tree. The clamp assembly features counter-sunk allen head bolts for that clean cosmetic appeal. Risers are adaptable to most all springers and girders. Mount with 1/2"-20 bolts. For 7/8" handlebars order part No. **34-82** reducers.

34-107 3" High risers for 1" handlebars. SOLD AS PAIR
34-70 4" High risers for 1" handlebars.
34-71 6" High risers for 1" handlebars.
34-106 8" High risers for 1" handlebars.

E. *2" GATTLIN STYLE RISERS*

These risers are CNC made from 6061-T6 billet aluminum and are beautifully chrome plated. Fit 1" diameter handle bars.

34-155 Gattlin style, 2" riser set, chrome. SOLD AS PAR

F. *HOLLOW POINT STYLE RISERS*

These risers are CNC made from 6061-T6 billet aluminum and are beautifully chrome plated. Fit 1" diameter handle bars.

34-133 Hollow Point style, 2" riser set, chrome. SOLD AS PAIR
34-134 Hollow Point style, 4" riser set, chrome.
34-139 Hollow Point style, 6" riser set, chrome.
34-148 Hollow Point style, 8" riser set, chrome.
34-159 Hollow Point style, 10" riser set, chrome.

G. *4"TWIN BARREL STYLE RISERS*

These risers are CNC made from 6061-T6 billet aluminum and are beautifully chrome plated. Fit 1" diameter handle bars.

34-156 Twin Barrel style, 4" riser set, chrome. SOLD AS PAR

H. *FLUSH MOUNT RISER BOLTS*

Riser bolt kits are designed so you cannot see bolt heads. Available in two thread types.

34-128 Riser mounts, 1/2" x 13. SOLD AS KIT
34-129 Riser mounts, 1/2" x 20.

A. *FORGED ALUMINUM RISERS*

These risers are forged from 6061-T6 aluminum for superior strength. Designed to fit applications with 3.5" center to center riser mounts & accept most top clamps. Available in a variety of sizes and with a chrome or black finish.

34-167 3.5" forged alum riser, chrome. SOLD AS PAIR
34-168 4.5" forged alum riser, chrome.
34-169 5.5" forged alum riser, chrome.
34-170 6.5" forged alum riser, chrome.
34-171 8.5" forged alum riser, chrome.
34-173 4.5" forged alum riser, black.
34-174 5.5" forged alum riser, black.

A



34-167



34-168



34-173

4

B. *CHROME RISER BOLT KITS*

Bolt kits for threaded riser and handlebar/riser combinations.

41-430 1/2-13 x 2-3/4 Riser bolt kit. Fits stock and aftermarket risers with coarse threads. Includes chrome bolts, lock washers and hardened flat washers. SOLD AS SET
41-431 1/2-20 x 2-3/4 Riser bolt kit. Fits stock and aftermarket risers with fine threads. Includes chrome bolts, lock washers and hardened flat washers.
41-432 1/2-13 x 3-3/4 Riser bolt kit. Fits stock and aftermarket unthreaded risers. Includes chrome bolts, hardened flat washers and lock nuts.

B



C. *SOLID MOUNT ADAPTERS FOR SPORTSTER® & SUPER GLIDE®*

For riders preferring rigid mounts. Dampens rubber mounts approximately 50%. Kit includes: (2) part A adapters & (2) part B adapters. Easy to install and very inexpensive. Fitted to top side of fork crown. For factory risers, use only part A.

34-39 Solid mount adapters. SOLD AS SET

C



Baruett

D. *SOLID MOUNT ADAPTER FOR BIG TWIN*

Eliminates rubber mounted handlebars. Fitted to fork crown. Easy to install and very inexpensive.

34-87 Fits both aluminum and steel fork crowns. SOLD AS KIT OF 4

D



E. *SPRING RISER ADAPTORS*

Allows the use of any 73'-present regular riser, with individual top caps, with 1/2"-13 threads inside on springer models 88'-present fitted with 5/8"-18 to tree assemblies. Replaces the current springer threaded stud in the top tree assemb ly. Cannot be used with risers with one piece top clamp or bolt through style risers.

41-427 Springer riser adaptors. SOLD AS SET

E



F



F. *SOLID RIDE HANDLEBAR DAMPERS*

Fits all models 1974 & later. Urethane bushings cut down vibration and at the same time give a more stable feel to the handlebars. Kit includes cup, sleeves and bushings. SOLD AS KIT

34-110 Heavy duty "Black" bushings w/chrome washers & tube.
34-125 Heavy duty "Red" bushings w/chrome washers & tube.

G



G. *FLUSH MOUNT HANDLEBAR BUSHING KIT*

Kit features black bushings with chromed hardware. Fits all models with 3.5" riser centers from 73' to present (except springer models) when 1/2"-13 thread risers are used.

34-127 Flush mount busing kit. SOLD AS KIT

4

A



B



34-89

C



D



WITH PLAIN END CAP



WITH EAGLE END CAP

E

CHROME PLATED



35-92



35-93

F



G

BRONZE GRIPS





BLACK FOOTPEGS



CHROME FOOTPEGS



BLACK SHIFTPEGS

A. *REDUCER SLEEVES*

These improved steel sleeves are knurled on both the inside as well as the outside. They grip the handlebar more firmly. Will not slip. Measures: 7/8" I.D., 1" O.D.

34-82 Use these to adapt any 1" handlebar riser to 7/8" handlebar. SOLD AS SET OF 4 HALVES

B. *HANDLEBAR DAMPERS*

34-89 Fits all XL & FL models 1974 & later. OEM 56159-73, 56153-73 & 56158-73. SOLD AS PAIR

34-91 Fits Wide Glide® top tree. OEM 56158-49. SOLD EACH

C. *TEXTURED RUBBER GRIPS*

Texture rubber grip sets chrome smooth end cap, with throttle sleeve.

35-64 Fits 2008-Later FLT. SOLD AS PAIR

D. *RAIL STYLE HAND GRIPS*

The latest in high tech and comfort! Die cast chrome plated grips with slotted rubber inserts.

35-66 Grips for 1" handlebars. 5" Long. SOLD AS PAIR

35-76 Same as part No. **35-66** above except with Eagle end cap.

35-68 Plain end cap grips for 2008-later FLT.

E. *BILLET STYLE V-GROOVE GRIPS*

5" Long chrome grips for dual cable.

35-92 Straight profile V-groove grips. SOLD AS PAIR

35-93 Barrel profile V-groove grips.

F. *FLAME GRIP SET*

Flame design grip set fit a 1" bar, 5" long. SOLD AS SET

35-127 Chrome billet aluminum with black rubber insert.

35-128 Same as #35-127, fits 2008-later FLT.

G. *KNURLED GRIPS & PEGS*

These billet aluminum grips are available in three colors & fit 1" diameter bars.

35-112 Bronze grip set. SOLD AS PAIR

35-113 Black grip set. SOLD AS PAIR

Pegs designed to match the grips listed above or used by themselves to offer a new look for your bike. Footpegs fit all models using male end footpegs.

22-60 Bronze footpeg set. SOLD AS PAIR

22-61 Black footpeg set. SOLD AS PAIR

22-62 Chrome footpeg set. SOLD AS PAIR

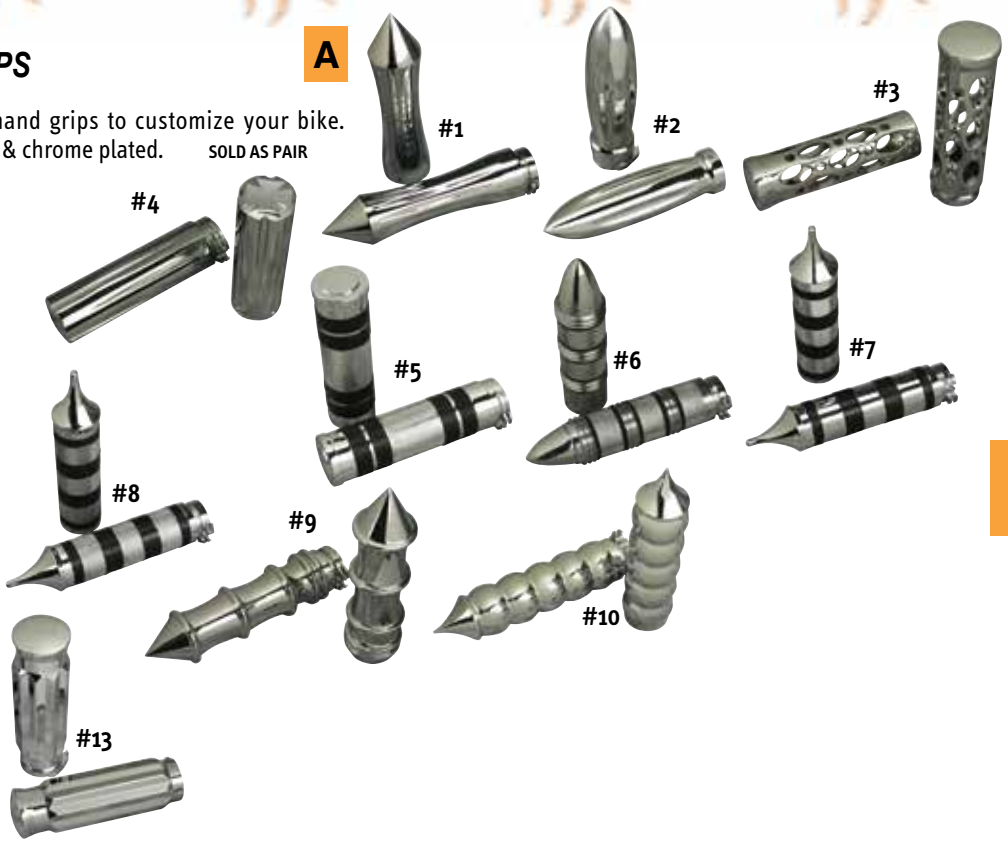
22-63 Bronze shift peg. SOLD EACH

22-64 Black shift peg. SOLD EACH

A. *CUSTOM HAND GRIPS*

A series of aggressively styled hand grips to customize your bike. Made from high quality aluminum & chrome plated. SOLD AS PAIR

35-150 Style #1, hand grips.
35-151 Style #2, hand grips.
35-152 Style #3, hand grips.
35-153 Style #4, hand grips.
35-154 Style #5, hand grips.
35-155 Style #6, hand grips.
35-156 Style #7, hand grips.
35-157 Style #8, hand grips.
35-158 Style #9, hand grips.
35-159 Style #10, hand grips.
35-165 Style #13, hand grips.



4

B. *CHROME HORSE® II GRIPS*

These are matching grips to our Chrome Horse® II forward controls. Chrome grips with wide bands make it all come together. For all 1" dia. handlebars. The throttle sleeve is set up for push/pull cable system.

35-96 Chrome Horse® II wide band grips. SOLD AS PAIR



C. *GENUINE LEATHER GRIPS*

Genuine black leather covers over foam comfort grips with bright chrome plated ends.

35-55 Leather grips for 1" handlebars. 5" long. SOLD AS PAIR



D. *CHROME END SOFT GRIPS*

Extra soft neoprene foam cover absorbs vibration. Chrome end caps.

35-44 Fits 1" handlebars. SOLD AS PAIR
35-45 Replacement covers for above part No. **35-44** grips.



E. *PEBBLE GRAIN GRIPS*

This is a different type grip — not to be confused with a foam grip. This style has the same "cushy" feeling to knock out vibration but not the porosity found in the foam grip, resulting in a longer lasting grip that won't absorb moisture or have dirt build-up. Bright chrome ends with black grip.

35-53 Grips for 1" bars, 5" long. SOLD AS PAIR



F. *VINTAGE STYLE GRIPS*

Black vintage style grip sets with chromed accent band.

35-108 Fits 96' & up (OEM#56275-96) SOLD AS SET
35-109 Fits 82' thru 95' (OEM#56276-96)
35-4 Fits 08' FLT



















A. *"BARREL" GRIPS*

Die cast, chrome plated "barrel" style grips with Rail or Twist style rubber inserts. For 1" handlebars. Includes sleeve.

35-90	Rail style "barrel" grips.	SOLD AS PAIR
35-91	Twist style "barrel" grips.	

B. *ROADHAWK SOFT GRIPS*

Extra soft foam. Super looking and soft to the feel for comfort.

SOLD AS PAIR

35-40	Replacement foam covers for above part No. **35-37**.	

C. *THROTTLE GRIPS WITH SLEEVE*

Handlebar grip set with nylon dual cable throttle sleeve.

35-42	For all models 1981 thru 1995. Replaces OEM 56220-81B.	SOLD AS SET
35-87	For all models 1996 & later. Replaces OEM 56206-96 & 56220-94A.	

D. *THROTTLE SLEEVES*

Replacement throttle sleeves for H-D®. Single or dual cable styles.

35-1	Single cable. Fits 1973 thru 1980.	SOLD EACH
35-2	Dual cable. Fits 1981 thru 1995.	
35-3	Dual cable. Fits 1996 & later.	

E. *TORNADO II HAND GRIPS*

The Tornado II grip sets are CNC machined from billet aluminum and are available in a beautiful chrome or black anodized finish. They also feature non-slip hard wearing black rubber for fail safe operation.

Fits 1" dia. handle bars, all HD models, twin cable throttle applications.

35-14	Chrome, Tornado II grip set.	SOLD AS SET
35-15	Black anodized, Tornado II grip set.	
35-18	Black & Bronzed, Tornado II grip set.	

HD 08"-up touring models with electronic throttle.

35-16	Chrome, Tornado II grip set.	SOLD AS SET
35-17	Black anodized, Tornado II grip set.	
35-19	Black & Bronzed, Tornado II grip set.	

F. *LONE-STAR HAND GRIPS*

The Lone-Star grip sets are CNC machined from billet aluminum and are available in a beautiful chrome or black anodized finish. They also feature a matching Lone-Star design on the ergonomic black rubber grip.

Fits 1" dia. handle bars, all HD models, twin cable throttle applications.

35-5	Chrome, Lone-Star grip set.	SOLD AS PAIR
35-11	Black anodized, Lone-Star grip set.	

HD 08"-up touring models with electronic throttle.

35-12	Chrome, Lone-Star grip set.	SOLD AS PAIR

G. *DIAMOND STYLE HAND GRIPS*

Die cast chrome plated grips with diamond rubber inserts.

35-73	Grips for 1" handlebars. 5" Long.	SOLD AS PAIR
35-85	Same as part No. **35-73** above except with Eagle end cap.	

See Sec. 2 for Rail foot pegs, shifter peg & "popsicle" kick pedal.
See this section for Rail brake pedal pad.

H. *STOCK H-D® STYLE GRIPS*

Black grip, OEM 56205-62A, fits Big Twin & Sportster®, 1962 thru 1980.

35-47	Grip.	SOLD AS PAIR
35-51	Grip plug fits hole in grip on 1960 thru 1983 Harleys®. OEM 56238-62.	SOLD AS PAIR

A. *IMPORTED THROTTLE ASSEMBLY & GRIPS*

Assembly with chrome plated end comes with black rubber grips. Has anchor to hold throttle cable.

35-6	Assembly for 1" handlebar.	SOLD AS SET
35-7	Assembly for 7/8" handlebar.	SOLD AS SET
35-8	Rubber grips only, for 1" handlebars.	SOLD AS PAIR
35-9	Rubber grips only, for 7/8" handlebars.	SOLD AS PAIR



B. *GRIPS FOR 1996 & LATER*

Chrome plated with rubber inserts for super grip & comfort. Comes with throttle sleeve.

35-86	Fits 1" dia. handlebars 1996 & later.	SOLD AS PAIR



4

C. *THROTTLE ASSEMBLIES FOR SINGLE/DUAL CABLE*

Single cable assemblies with adjuster knobs for 1973 thru 1980 H-D® models (OEM 56500-79).

35-36	Throttle assembly only.	SOLD EACH
35-52	Throttle assembly with grips.	SOLD AS PAIR

Dual cable assemblies with adjuster knobs for 1981 & later FL, FX, XL and most dual cable throttle applications (OEM 56395-81 & 56220-81B).

35-43	Throttle assembly only.	SOLD EACH
35-65	Throttle assembly with grips.	SOLD AS PAIR



D. *CHROME PLATED BILLET GRIPS & PEGS*

High quality grips & pegs made of billet alunminum then chrome plated. All sold in pairs.

DESCRIPTION	DIMPLED	FLAMED	KNURLED SMOOTH
Hand grips.	**35-140**	**35-141**	**35-142**
Front folding pegs.	—	**22-254**	—
Rear folding pegs.	**22-251**	**22-255**	**22-259**



E. *INTERNAL THROTTLE ASSEMBLY*

Designed to eliminate traditional throttle assemblies. Similar to early model throttles. This design allows you to run a single throttle cable through your handlebar and out of view. Requires cutting off the right end of the handlebar.

35-105	Internal throttle assembly for 1" dia. bars.	SOLD EACH
35-106	Chrome piece to bridge the gap between internal throttle and switch housing.	



F. *THROTTLE THUMBSCREWS*

These throttle return adjusting screws fit H-D® stock throttle 1974 thru 1981, as well as our part No. **35-36** and **35-43** throttles. Replaces OEM 56397-74E.

35-54	Wheel type.	SOLD EACH
35-69	OEM type.	



G. *THREEBOND GRIPLOCK*

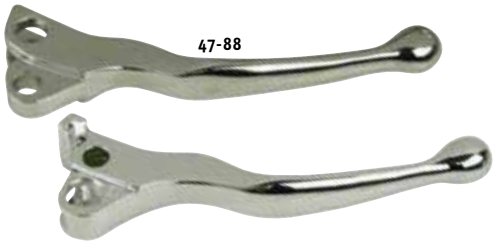
A high strength adhesive specially formulated to keep grips in place without damaging the rubber. Griplock puts an end to grips twisting or sliding off.

103-86	ThreeBond Griplock.	SOLD EACH



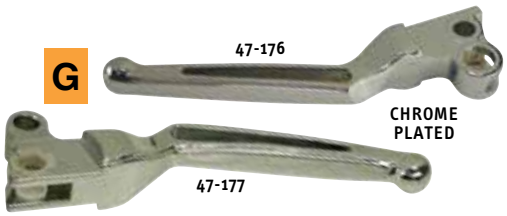














A. *HAND LEVER FITS BOTH BRAKE & CLUTCH*

AS A BRAKE LEVER: Fits 1965 thru 1972 XLH & XLCH, 1971 & 1972 FX, and 1965 thru 1971 FL & FLH. OEM 45024-65A.

AS A CLUTCH LEVER: Fits 1965 thru 1981 FL, FLH, FX, FXE XLH, & XLCH. OEM 45024-65A.

47-22 Polished lever. SOLD EACH
47-85 Chrome lever.

B. *CUSTOM HAND LEVERS FOR XL*

Chrome plated, 4-Hole design, custom hand levers.

47-122 4-Hole hand lever, fits 04'-06' XL. SOLD AS SET
47-123 4-Hole hand lever, fits 07'-08' XL.

C. *HAND LEVER FOR DISC BRAKE*

Fits FL & FLH, 1972 thru 1981, and FX & FXE, 1973 thru 1981. Also fits Sportster® 1973 thru 1981. OEM 45016-72.

47-23 Polished lever. SOLD EACH
47-86 Chrome lever.

D. *POWER GRIP LEVERS*

Strong clutch & brake levers feature power leverage design and comfort grip.

47-87 1972 Thru 1981 disc brake lever. Chrome plated. SOLD EACH
47-88 1965 Thru 1981 clutch & 1965 thru 1972 drum brake lever. Chrome plated.

E. *CLUTCH & BRAKE LEVER SET*

Chrome, replacement lever set.

47-101 Clutch & brake lever set 07', chrome. SOLD AS SET

F. *WIDE BLADE POWER GRIP LEVERS*

These levers feature power leverage design and wide blade for a more comfortable grip.

47-198 1941 Thru 1981 clutch / 1941 thru 1972 brake lever. Chrome plated. SOLD EACH
47-199 1972 Thru 1981 brake lever. Chrome plated.
47-178 1982 Thru 1995 brake lever. Chrome plated. OEM 45016-93.
47-179 1982 & Later clutch lever. Chrome plated. OEM 45017-93.
47-180 1982 Thru 1995 brake lever. Polished.
47-181 1982 & Later clutch lever. Polished.
47-268 1996-2006 brake lever. Chrome plated. OEM 45016-96.

G. *CUSTOM HAND LEVERS*

These custom hand levers are cut out on the blade to complement our Predator mirrors found further in this section..

47-176 Cut-out brake lever for 1982 thru 1995. SOLD EACH
47-177 Cut-out clutch lever for 1982 & later.

H. *SKULL HAND LEVERS*

Levers with skull ends — same fine detail as our skull kromets— made into an integral part of the lever. Check out our skull dash on page 4-75!

47-184 Skull brake lever for 1982 thru 1995. SOLD EACH
47-185 Skull clutch lever for 1982 & later.

CLUTCH LEVER & SWITCH HOUSINGS

A. 1972 THRU 1981

Clutch lever assembly complete with cable anchor pin. Fits FLH 1972 thru 1981, Sportster® & Super Glide® 1973 thru 1981. OEM 38608-73.

47-94 Polished. SOLD EACH
47-111 Chrome plated.

Horizontal switch housing only.
47-112 Polished. OEM 71539-72. SOLD EACH
47-113 Chrome plated. OEM 71539-72.

Vertical switch housing only.
47-121 Chrome. OEM 71539-73B. SOLD EACH
47-175 Custom style vertical switch housing. Chrome.

Custom switch housing only, for use when you don't use stock switches. Fits H-D® models 1972 thru 1981, brake & clutch.
47-115 Chrome plated. SOLD EACH

Lever bracket only. SOLD EACH
47-114 Chrome plated.

B. 1982 THRU 1995

Clutch lever assembly complete with cable anchor pin. Fits Big Twin & Sportster® 1982 thru 1995.
47-171 Chrome plated. SOLD EACH

Clutch lever bracket and clamp.
47-165 Chrome plated. OEM 38608-82 and 45044-82. SOLD AS KIT

Handlebar master cylinder and clutch control clamp.
47-164 Chrome plated. Replaces OEM 45044-82. SOLD EACH

Handlebar switch housing. Fits 1982 thru 1995.
47-166 Right top, chrome plated. OEM 71564-82. SOLD EACH
47-167 Right bottom, chrome plated. OEM 71563-82. SOLD EACH
47-168 Left top, chrome plated. OEM 71567-82. SOLD EACH
47-169 Left bottom, chrome plated. OEM 71568-82A. SOLD EACH
47-170 Switch housing kit with tops and bottoms, chrome plated. Includes hardware. SOLD AS KIT

CLUTCH LEVER & SWITCH HOUSINGS

C. 1996 -2006

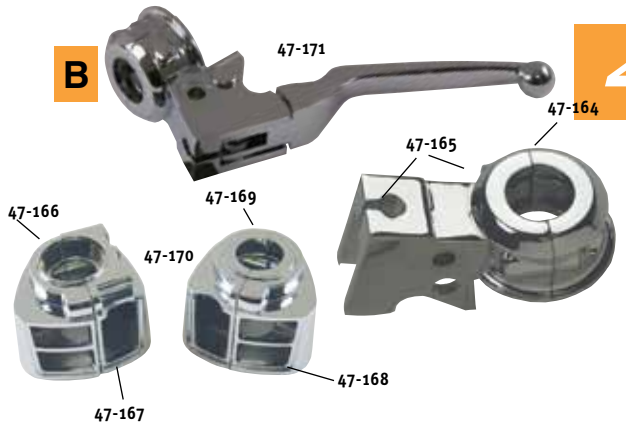
Chrome handlebar switch housings fits Softail®, Dyna Glide® and Sportster®, 1996 & later (except models with radio and cruise control). Mounting hardware included.

47-220 Left handlebar switch housings. Chrome plated. SOLD AS SET
47-221 Right handlebar switch housings. Chrome plated. SOLD AS SET
47-230 Complete kit, right & left housings. OEM 70222-96. Chrome plated. SOLD AS KIT
47-231 Clutch lever assembly complete with cable anchor pin. Fits Big Twin & Sportster®, 1996-2006. Chrome plated.
47-268 Brake lever for 1996-2006. OEM 45016-96. Chrome plated.
47-120 Five-Hole style brake & clutch lever for 1996-2006. OEM 45016-96. Chrome plated. SOLD AS SET

D. HANDLEBAR SWITCH HOUSING FLHT MODELS

47-234 Complete kit, right and left housings 1996-up standard, classic and 2006 FLHX Street Glide. Replaces OEM 70223-96. SOLD AS KIT
47-235 Complete kit, right and left housings, 1996-up FLTCU and FLHTCU/I 2002-up FLHR with cruise. Replaces OEM 70228-96A. SOLD AS KIT

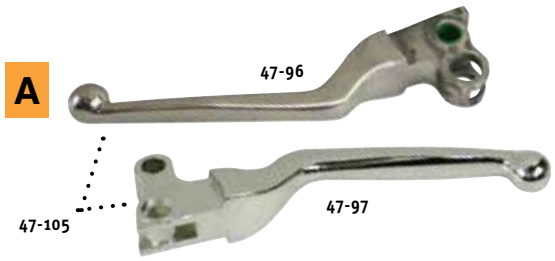


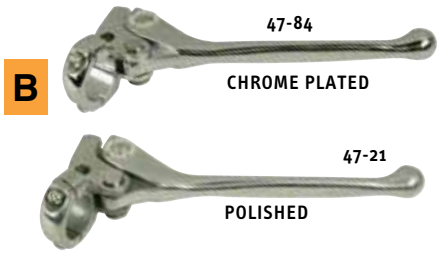






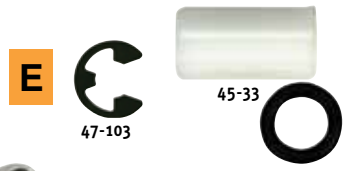
SEE SECTION 14 FOR MIDWEST ACORN BUTTON HEAD ALLEN SCREWS, MIDWEST ACORN SMOOTH ALLEN SCREWS, COLONY ACORN & CAP SCREWS, & COLONY CHROME ALLEN SCREWS

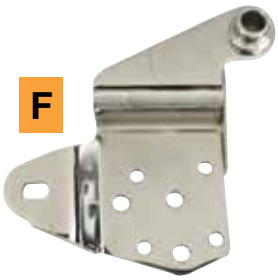












A. *HAND LEVERS FOR H-D® 1982 THRU 1992*

Fits all FXR, FXRS, XL & FL models 1982 thru 1992.

47-96 Brake lever.Polished. SOLD EACH

47-97 Clutch lever. Polished aluminum. Replaces OEM 45017-82. SOLD EACH

47-105 Complete set. Brake & clutch. Same application as above. Chrome plated. SOLD AS SET

B. *EXACT DUPLICATES OF H-D® LEVERS*

Clutch & brake lever & bracket assembly with barrel.

OEM NO.	MODEL/YEAR	LEVER TYPE	DUPLICATE POLISHED	DUPLICATE CHROME
38604-65A	K Model 1952/1956.	Clutch	**47-19**	**47-84**
38604-65A	Sportster® 1957/1970.	Clutch	**47-19**	**47-84**
38609-68	Sportster® 1971 & later.	Clutch	**47-20**	**47-83**
45002-41	H-D® 74" 1941/1967.	Clutch	**47-21***	**47-82***
38609-68	H-D® 74" 1968/1972.	Clutch	**47-20**	**47-83**
45002-65A	Sportster® 1965/1972.	Brake	**47-21**	**47-82**
45002-65A	Big Twin 1965/1972.	Brake	**47-21**	**47-82**

*To use as a clutch lever reverse the pivot pin. ALL LEVERS SOLD EACH

C. *EXTRA SLOTTED BARREL FOR BARNETT LEVERS*

45-23 Cable fitting 7/16" O.D. SOLD EACH

D. *CLUTCH CABLE ADJUSTER COVER*

This die cast, chrome plated cover installs over clutch cable adjuster utilizing two snap rings allowing installation without the need to remove clutch cable.

45-40 Fits all Big Twin late 1987 & later and all Sportster® from 1988 & later. SOLD EACH

E. *CLUTCH & BRAKE LEVER BARREL BUSHING SETS AND RETAINING RING*

Eliminate premature cable failures at hand lever. Fits Sportster® XL & XLCH, both clutch & brake lever. Also fits Big Twins, clutch lever & brake lever when cables are used.

45-24 Bushing set for 1968 thru 1981. Nickel plated pin. OEM 45039-68 & 45038-68. SOLD AS SET

45-32 Bushing set for 1982 thru 1987 clutch lever. OEM 45036-82. SOLD AS SET

45-33 Bushing set for 1988 & later clutch lever; teflon pin for eyelet type clutch cable. SOLD AS SET

47-103 Steel retaining ring for 1965 thru 1981 OEM 11036. SOLD EACH

F. *CUSTOM FOOT SHIFT ARM BRACKET*

Custom application fits FL & FLH 1952 thru 1979 & FX 1971 thru 1973.

47-80 SOLD EACH

A. *SHIFT LEVERS*

47-150 Fits FL & FLH with splined shaft. Heel & toe. Chrome.
47-25 Fits 1974 thru 1985 thru-primary shift FX, 1986 & later Softail® (except Fat Boy® & Heritage models), and 1991 & later Dyna Glide®. Chrome. OEM 34564-74TA.
47-149 Fits FXWG 1981 thru 1986, and FL 1974 thru 1984. For splined shaft. Chrome. OEM 34606-74.
47-118 Fits FXR & FXRS 1982 & later. Chrome. OEM 34599-81.
47-182 Fits FLT 1984 & later. Heel only. OEM 33640-83.
47-183 Fits FLT 1984 & later. FLSTC Heritage, all years, 2 used, FLSTF Fat Boy®, all years, 2 used, FLSTN Nostalgia, all years, 2 used, OEM 33895-82.
47-117 Same application as above part No. **47-183**, except extended 2-1/4".
47-24 Fits Sportster® 1954 thru 1974 and 74" 1952 thru 1977. Without splines. Chrome. OEM 34606-54TA and 34606-71.
47-110 Fits Sportster® 1975 & 1976. Polished. OEM 34666-75.
47-89 Fits Sportster® 1977 thru 1985. Chrome. OEM 34606-75.
47-156 Fits Sportster® 1986 thru 1990. Chrome. OEM 34606-86.
47-162 Fits Sportster® 1991 & later. Chrome. OEM 34606-90.

SOLD EACH



B. *CABLE ENDS & ADJUSTERS*

HAND LEVER BARREL

This item can be used when cable end breaks.

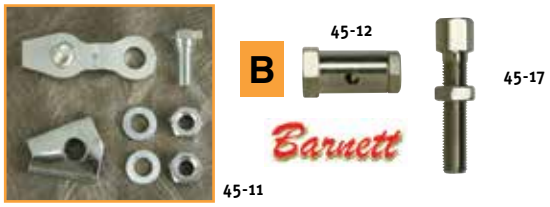
45-12 Fits H-D® Sportster®, Big Twin and Hydra Glide™. .460" O.D. **SOLD EACH**
45-20 Cable clamp fits standard cable at lever end. Can be used with any British or European clutch or brake lever with 3/8" hole. Chrome plated. **SOLD EACH**

CLUTCH ADJUSTER

45-17 Used on 1968 & later Triumph/BSA and H-D® Big Twins 1967 & earlier. 5/16 x 24 Thread. **SOLD EACH**

CLUTCH AND BRAKE CLAMP

45-11 Universal type for use on BSA, Norton & Triumph. Fits at booster bracket and at front brake. **SOLD EACH**





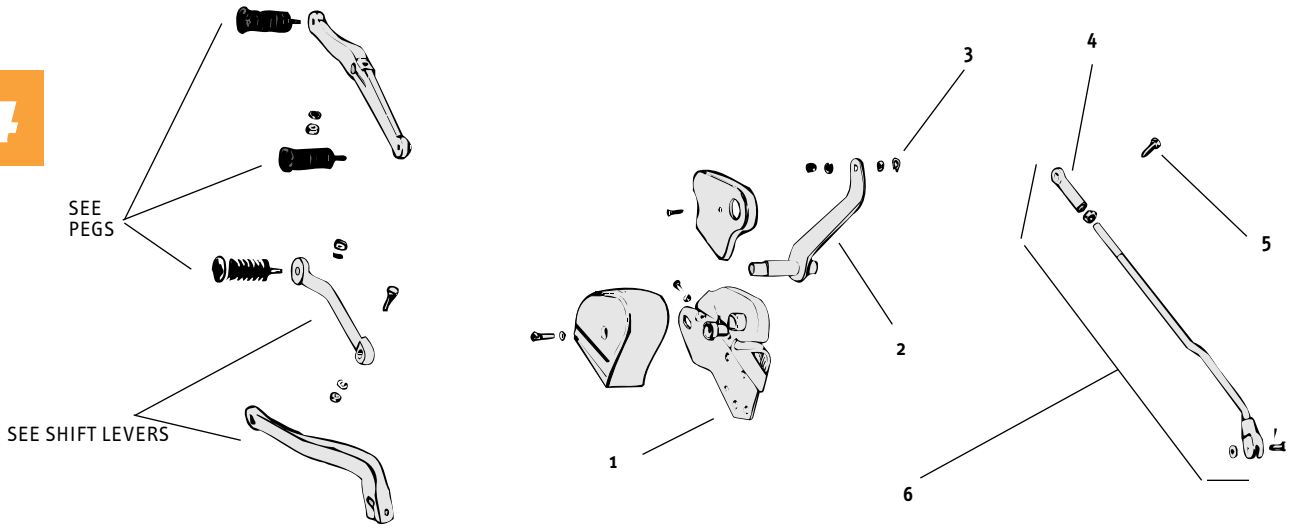
C. *CLUTCH LEVER RODS AND END*

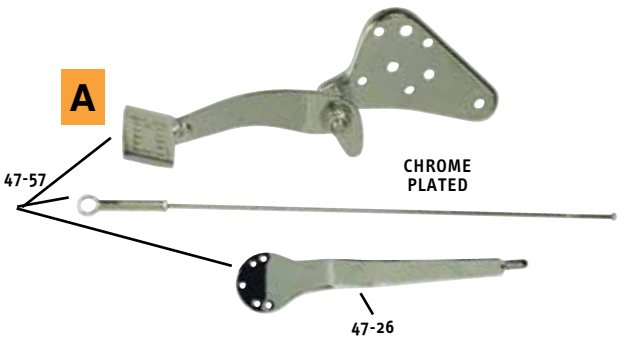
10-26 Clutch lever rod (Mousetrap). 22-3/4" long. OEM 36918-52. **SOLD EACH**
10-27 Clutch lever rod. Fits old style hand shift 1936 thru 1951 and suicide set up. 18" Long. OEM 36917-36.
47-59 Clutch lever rod end. OEM 36916-36 and OEM 36916-52. (Works with either of above rods).

SHIFT CONTROL PARTS FOR BIG TWIN

ALL PARTS SOLD EACH EXCEPT AS NOTED

1	**47-159**	HEAVY GAUGE STEEL SHIFT LEVER BRACKET FL 1970 / 1984 COMPLETE W/BUSHING & ZERK FITTING INSTALLED. HAS ADDED SUPPORT PLATES — WON'T CRACK FROM VIBRATION (OEM 33630-70)
2	—	SHIFT LEVER W/O SPLINES 1954 / 1979. CHROME (OEM 33660-54)
3	**47-102**	RET. RING 1965 / 1973 **U.S.A. MADE** (OEM 11031)
4	**47-64**	GEAR SHIFTER ROD END 1937 & LATER W/HAND SHIFT, 1951 / 1965 W/FOOT SHIFT. CHROME (OEM 33870-51)
5	**47-65**	SHOULDER BOLT 1937 & LATER W/HAND SHIFT, 1951 / 1964 W/FOOT SHIFT. CHROME (OEM 33878-51)
6	**10-35**	GEAR SHIFTER LINKAGE KIT FX 1971 / 1973, FXWG 1980 & LATER, FL & FLH 1952 & LATER W/FOOT SHIFT. INCLUDES GEAR SHIFTER, ROD END, SHOULDER BOLT & LOCKNUT, SHIFTER ROD & CLEVIS. CHROME. SOLD AS COMPLETE KIT









A. JOCKEY SHIFTER CONVERSION KIT

Converts foot shift model H-D® to hand shift.

47-57	Complete kit.	SOLD AS KIT
47-26	Lever only. Use with foot shift lid.	SOLD EACH

B. ULTIMA® POLISHED STAINLESS STEEL SHIFT RODS

These **Ultima**® shift linkages are **U.S.A. MADE** from stainless steel then fully polished. Available in several lengths for stock and extended forward controls. SOLD EACH

10-56	Ultima® shift rod, 12-1/8" eye to eye with 5/16" rod ends.
10-57	Ultima® shift rod, 14-1/8" eye to eye with 5/16" rod ends.
10-62	Ultima® shift rod, 15-1/4" eye to eye with 5/16" rod ends.
10-64	Ultima® shift rod, 17-1/4" eye to eye with 5/16" rod ends.

C. SOFTAIL® SHIFTER LINKAGE

Fits all Softail® models 1986 & later. Replaces OEM 11729 rod, OEM 33871-85 swivel end, and OEM 33729-82 ball joint. Also includes two jam nuts. Chrome plated. Rod measures 10-3/4" long.

10-2	Complete shifter linkage for Softail®; chrome plated.	SOLD AS KIT
10-60	Ball joint with stud. Replaces OEM 33729-82.	SOLD EACH
10-61	Swivel end. Replaces OEM 33871-85.	SOLD EACH

A. *ULTIMA® "FAT LINK" SHIFT ROD*

Easy adjustment, "no need to remove." Anti-vibration 4130 alloy steel rod ends. Hardware included. Rods are 6061 aluminum w/chrome or black finish. "That's what I'm talkin' about!" Cool stuff.

"Fat Link"-15.6mm diameter. SOLD EACH

10-3 For Softail® & FL models. 12-1/8" Rod (eye to eye).
10-4 For Dyna Wide Glide®, custom & extended controls. 14" Rod (eye to eye).

Super "Fat Link"-19.2mm diameter.

10-14 For Softail® & FL models, black. 12-1/8" Rod (eye to eye)
10-6 For Dyna Wide Glide®, custom & extended controls, plain. 12-1/8" Rod (eye to eye)
10-13 For Dyna Wide Glide®, custom & extended controls, Ultima® engraved.
10-7 For V-Rod.
10-15 For Sportster® XL custom 08', plain.
10-16 For FXDFB Wide Glide 08', black.
10-17 For FXDF Wide Glide 08', wrinkle black.
10-18 For FXDF Wide Glide 08', chrome.
10-84 For Victory Kingpin 07'-08' & Vision 08', plain.
10-85 For Victory 07'-08', Hammer, Vegas & Ness Bike, plain.
10-86 For Victory Kingpin 07'-08' & Vision 08', black.
10-87 For Victory 07'-08', Hammer, Vegas & Ness Bike, black.
10-88 For FX/FL, wrinkle black.
10-10 For Roadliner & Stratoliner, plain.
10-11 For Roadliner & Stratoliner, Ultima® engraved.
10-9 For Yamaha Warrior & Roadstar, Ultima® engraved.

B. *CHROME BILLET SHIFT RODS*

Rods have 5/16" - 24 by 1-3/4" long threaded ends and jam nuts.
Lengths listed below do not include threaded ends

10-65 Tribal flame design, 9". SOLD EACH
10-68 Three centered skulls design, 9".

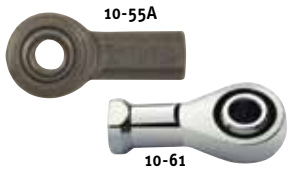
10-69 Tribal flame design, 10.25". SOLD EACH
10-72 Flame and three skulls design, 10.25".

10-73 Tribal flame design, 11.75". SOLD EACH
10-74 Maltese cross w/flames design, 11.75".
10-75 Three centered skulls design, 11.75".
10-76 Flame and three skulls design, 11.75".

C. *SHIFT ROD END*

10-60 Ball joint with stud. Replaces OEM 33729-82. SOLD EACH
10-55A Stainless rod end, 5/16-24 thread. SOLD EACH
10-61 Swivel end. Chrome. Replaces OEM 33871-85. SOLD EACH

C



A



"FAT LINK"



SUPER "FAT LINK"



10-17



10-9



10-10 & 10-11

B







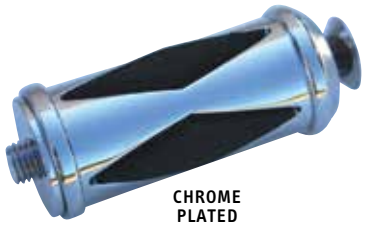
























A. *O-RING FOOT SHIFT PEG*

22-80 Fixed foot shift peg. SOLD EACH

B. *SPLIT RUBBER ANTI-VIBE SHIFT PEGS*

Anti-vibration style shifter toe peg fits all H-D® models. 5/16-24 Mounting bolt.

22-126 3 Band shift peg. SOLD EACH

22-115 Extended 6 band shift peg. Can be used on shift or brake side.

C. *RAIL STYLE SHIFT PEG*

This peg looks good in any position due to its unique design. Rubber rails run lengthwise and go around the peg. The rubber comes from the inside out — it is not glued or pressed on from the outside. No chance of coming loose. Die cast and chrome plated.

22-139 Shift peg. SOLD EACH

D. *DIAMOND SHIFT PEG*

Diamond style pegs and shifter are the same high quality as our rail style pegs. Interchangeable mounting ends. Chrome plating is top notch for show-winning appeal.

22-151 Shift peg. SOLD EACH

See Sec. 2 for foot pegs. See Section 4 for grips and for brake pedal pads.

E *CLUTCH CABLE MOUNTING BRACKET*

47-109 For FL & FLH 1965 thru early 1979 and FX 1971 thru early 1979. OEM 62576-65A. SOLD EACH

F. *MOUSETRAP ELIMINATOR BRACKET*

This one really works. No interference with oil tank or stock parts.

47-55 Bracket permits use of late style 74" clutch cable on early models. SOLD EACH

G. *MOUSETRAP SPRING COVER*

Precision made facsimile of H-D® part. OEM 38495-58.

89-213 Cover. SOLD EACH

H. *FRONT BRAKE ADJUSTING SCREW*

Exact duplicate of original part. OEM 45159-50.

90-232 For FL & FLH 1959 thru 1971, Sportster® 1954 thru 1972 and Super Glide® 1971 thru 1972. SOLD EACH

41-790 Same application as above. **U.S.A. MADE**. (Colony).

I. *FOOT SHIFT PEGS*

22-45 Black rubber foot shift peg. OEM 34609-52 and 34611-65. SOLD EACH

J. *FOOT SHIFT PEG*

Zinc die cast & chrome plated with black ribbed rubber. Beautifully made.

22-107 Fits all H-D® threaded shift levers. OEM 34611-65. SOLD EACH

A. *CLUTCH RELEASE ARMS*

Custom clutch release arms for late model 74" & 80" and early mouse-trap and foot clutch models.

47-60 For 1936 thru 1967. OEM 37051-36. SOLD EACH
47-56 For 1968 thru early 1979. OEM 37053-68.
Will work with stock or custom frame.
47-108 For FL late 1979 thru 1982 and FX late 1979 thru 1981.
OEM 37054-79.

This forged arm and die cast bracket set for H-D® 5 speeds replaces all OEM clutch release arms used 1980 thru 1986.
47-157 Clutch release set replaces SOLD AS SET
OEM 37085-80, 37094-82, 37096-83 & 37096-85.

A
47-60
47-157

47-56

47-108

B. *BIG TWIN HYDRAULIC LEVER SETS*

Fits touring models 99'-04'/Softail®, Dyna® 2000 & up that have been converted to hydraulic clutches.
47-501 Brake and clutch lever set, chrome.
Replaces OEM 46114-02. SOLD AS KIT
47-502 Hydraulic clutch lever only, chrome. SOLD EACH

B
47-501


C. *HYDRAULIC CLUTCH HANDLEBAR CONTROL KIT*

These custom handlebar control kits are supplied complete with all parts and instructions required to make an easy hydraulic clutch conversion. These kits make the clutch operation much easier to operate than cable clutch systems and give any bike a great custom look, available in black or chrome finish. Instructions are included.

1996 - PRESENT SPORTSTER®
47-241 Black hydraulic clutch handlebar control kit. SOLD AS KIT

1987-1999 EVO & 1999-PRESENT BIG TWINS
47-243 Black hydraulic clutch handlebar control kit. SOLD AS KIT

C

47-243

D. *HANDLEBAR CONTROL KITS*
1982 thru 1995

Chrome plated handlebar control kits include master cylinder, clutch lever assembly, switch housings, clamps, and chrome hardware. Kits accept stock OEM control switches and wiring of our replacement switches found in catalog Section 1.

Fits Big Twin and Sportster®, 1982 thru 1995 (except FLT and FXRT with radio).
47-195 For dual disc models. 3/4" Bore master cylinder. SOLD AS KIT
47-196 For single disc models. 5/8" Bore master cylinder.
47-197 For dual disc models. 11/16" Bore master cylinder.

D

47-195

E. *ULTIMA® HANDLEBAR CONTROL KITS* *1996 thru 2004*

Chrome plated handlebar control kits for 1996-2004 w/radio controls. switch housings. Smooth top cap (no sight glass). SOLD AS KIT
47-459 For dual disc FLT. 11/16" Bore master cylinder.
47-460 For dual disc FLHT. 11/16" Bore master cylinder.

E

CHROME PLATED 47-460

A



A. *ULTIMA® HANDLEBAR CONTROL KITS*

1996 THRU 2004

Fits Big Twin and Sportster®, 1996 & later (except FLT and FXRT with radio controls). SOLD AS KIT

47-256 For single disc models. 9/16" Bore master cylinder.
47-257 For single disc models. 5/8" Bore master cylinder.
47-299 For dual disc models. 11/16" Bore master cylinder.

B



B. *FLT HANDLEBAR CONTROL KITS*

With 15mm bore brake master cylinder, fi ts 2008-2010 FLT dual disc models. SOLD AS KIT

47-258 Without switch housing
47-259 With radio control switch housing
47-260 With radio & cruise control switch housing

C



C. *HANDLEBAR CONTROL KITS*

Chrome plated handlebar control kits available with or without handlebar switched and wiring harness. Fits FL models 1972 thru 1981, and FX & Sportster®, 1973 thru 1981. SOLD AS KIT

47-201 Kit including master cylinder, clutch lever assembly, handlebar switches, and wiring harness.
47-202 Kit including master cylinder and clutch lever assembly only.

D



D. *HANDLEBAR CONTROL KITS FOR SPORTSTER®*

2007 XL HANDLE BAR CONTROL KITS SOLD AS KIT

47-106 Kit includes 9/16" bore master cylinder w/switch housings.
47-126 Kit includes 1/2" bore master cylinder w/switch housings.

2004-2006 XL HANDLE BAR CONTROL KITS SOLD AS KIT

47-127 Kit includes 9/16" bore master cylinder w/switch housings.
47-130 Kit includes 1/2" bore master cylinder w/switch housings.

E



E. *BDL HANDLEBAR CONTROLS*

BDL Handlebar controls are manufactured with the utmost care for quality & fit. The unique design & features make these controls a must for a stock or custom application. These hand controls mount to 1" bars - without dimpled holes. Handlebar brake master cylinder is bored to 5/8", for application with a **SINGLE ROTOR - DUAL PISTON** set-up. We do not recommend using a 5/8" bore size with dual rotor/4 piston applications, or single rotor/4 piston application.

POLISHED	CHROME	DESCRIPTION	SOLD AS
47-607	—	Hydraulic type clutch assembly.	EACH
47-602	—	Cable type clutch assembly.	EACH
90-802	—	Brake master cylinder assembly.	PAIR

F





F. *BDL HANDLEBAR CONTROL REBUILD KITS*

OLD STYLE BDL HANDLEBAR CONTROLS

90-812 Rebuild kit for handlebar brake master cylinder - 5/8" Bore. SOLD AS KIT
90-190 Rebuild kit for handlebar hydraulic clutch master cylinder - 9/16" Bore.
90-813 Master cylinder gasket. SOLD EACH

NEW STYLE BDL HANDLEBAR CONTROLS

90-990 Rebuild kit for handlebar brake master cylinder - 5/8" Bore. SOLD AS KIT
90-991 Rebuild kit for handlebar hydraulic clutch master cylinder - 9/16" Bore.

A. *HANDLEBAR WIRING HARNESS FOR BIG TWIN CUSTOMS*

Handlebar switch wiring harness kits fit custom Big Twin models 1982 & later. Harness is 48" long with color coded wires and c Switches are attached for both right and left sides. SOLD AS KIT

18-231 Harness with chrome switches for 1982 thru 1995 Big Twin and 1982 thru 1995 Sportster®.

18-230 Harness with black switches for 1982 thru 1995 Big Twin and 1982 thru 1995 Sportster®.

18-331 Harness with chrome switches for 1996 & later Big Twin and 1996 & later Sportster®.

18-332 Harness with black switches for 1996 & later Big Twin and 1996 & later Sportster®.

A



B. *JAYBRAKE REPLACEMENT PARTS*

JAYBRAKE LEVERS FOR STOCK H-D® CONTROLS

Use with stock H-D® control perch and uses stock pivot and cable pins. Solid style levers to match other JayBrake controls. SOLD EACH

POLISHED PART NO.	DESCRIPTION	CHROME PLATED PART NO.
47-366	1982 thru 1995 Brake lever	**47-369**
47-367	1996 & later Brake lever	**47-370**
47-368	1982 & later Clutch lever	**47-371**

HEADLIGHT RELAY

NOTE: This part is **REQUIRED** for proper headlight high/low operation on all JayBrake handlebar controls with switches (shown on previous page). This is not a JayBrake product.

17-116 Headlight relay. SOLD EACH

B



C. *HANDLEBAR MASTER CYLINDER COVER KIT*

Kit includes master cylinder cover, clamps, clutch bracket, and hardware.

47-415 Fits Big Twin 96"-up, Sportster® 96'-03' with Single Disc brake only. Replaces OEM 46098-98.

47-236 Fits Big Twin 96"-up, Sportster® 96'-03' with Dual Disc brake only. Will not fit V-Rod. Replaces OEM 46099-98.

For complete "all chrome" handlebar controls add the following:

PART NO.	DESCRIPTION	OEM NO.
47-268	Brake lever	45016-96
47-230	Switch housings	70222-96

C



D. *REAR BRAKE PEDAL PADS — RAIL AND DIAMOND STYLE*

The first matching pads for all those rail and diamond pegs and grips that have been sold over the past several years. Excellent casting and bright chrome plating with black rubber inserts that match the grips & pegs. Find matching grips in this section. See Section 2 for matching foot pegs & shifter pegs.

22-165 Rail style brake pedal pad. SOLD EACH

22-167 Diamond style brake pedal pad.

Replacement rubbers only.

22-166 Rail style rubber. SOLD EACH

22-168 Diamond style rubber.

D



4

A



A. *REAR BRAKE PEDAL PADS*

22-97	Brake pedal pad kit with black rubber pad for 1965 & later. Replaces OEM 36956-65A.	SOLD AS KIT
22-99	Replacement black rubber only. OEM 36964-67.	SOLD EACH
22-53	Black brake rubber for all models FL & FLH. OEM 36954-62.	SOLD EACH
22-88	Brake rubber for all models Super Glide®. OEM 42394-65.	SOLD EACH
22-111	Black rubber pad & stud. Fits FXWG 1983 & 1984, FXST 1984, and FLHS-80 1983. OEM 42532-82.	SOLD EACH

B



B. *BRAKE PEDALS*

47-76 Extended brake pedal for FLST 1987 thru 1999, and FLT 1997 thru 2001. (Not shown.) SOLD EACH

C



C. *IMPORTED REAR MASTER CYLINDERS FOR BIG TWIN*

Complete master cylinder assembly. Fits hydraulic drum brake applications on FL 1958 thru 1972 and FX 1971 & 1972. May also be used for rear disc brake applications on FL & FX, 1973 thru early 1979 if the residual pressure check valve (rubber coated washer) is removed.

90-50	Painted silver master cylinder. OEM 41761-58.	SOLD EACH
90-196	Chrome plated master cylinder.	
90-197	Cap for 1958 thru 1979. OEM 41765-58. Chrome.	
90-208	Dust boot for 1958 thru 1969. OEM 41764-58.	
90-202	Dust boot for 1970 thru 1979. OEM 41764-70.	

D



D. *KELSEY TYPE MASTER CYLINDER*

90-293 Kelsey type master cylinder. Works with most H-D® 1980 & later. Replaces OEM 42453-80A & 42454-80A. Chrome plated. SOLD EACH

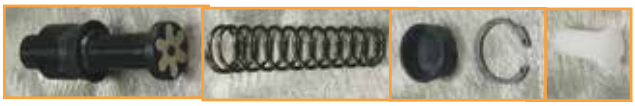
E



E. *REAR MASTER CYLINDERS*

90-153	Fits 08'-10' FLT, chrome. OEM 41763-08.	SOLD EACH
90-154	Fits 08'-10' FLT, black. OEM 41763-08.	
90-155	Fits 99'-07' FLT, 00'-07' Softail®, chrome. OEM 41755-99A.	
90-156	Fits 97'-98' FLT, chrome. OEM 41755-97.	
90-157	Fits 95'-96' FLT, chrome. OEM 41755-95.	
90-158	Fits 92'-94' FLT, chrome. OEM 41755-92A.	

F



F. *REBUILD KIT FOR BILLET ALUMINUM MASTER CYLINDERS*

Rebuild kit for billet aluminum master cylinders (pictured).

90-239	Rebuild kit for master cylinder.
90-202	Replacement dust boot.

MASTER CYLINDER REBUILD KITS

HANDLEBAR MASTER CYLINDER KITS

A. For H-D® handlebar master cylinders 1972 thru 1981. Fits both OEM and our part No. **90-224** master cylinder.

90-151 Rebuild kit. OEM 45063-72. SOLD AS KIT
78-147 Master cylinder cover gasket for above described master cylinders. OEM 45012-72. SOLD EACH

B. For H-D® handlebar master cylinders on all 1982 & 1983 models and on 1984 FLH with .750" (3/4") diameter piston. Fits OEM and our master cylinder.

90-240 Rebuild kit. OEM 45063-82. This kit includes master cylinder cover gasket, OEM 45012-82. SOLD AS KIT

C. For handlebar master cylinders on FXR/S/LR 1987 thru 1993, Softail® all models 1987 thru 1993, FXDB-S 1991, FXDWG 1993, and Sportster® all models 1986 thru 1993.

90-413 Rebuild kit. OEM 45072-87. 5/8" Dia. piston. SOLD AS KIT

D. For handlebar master cylinders on FLT all models 1987 thru 1993, FXRT, FXRS/SP/CON 1987 thru 1992, Dyna Glide® all models 1992, and FXDL 1993.

90-426 Rebuild kit. OEM 45006-87A 11/16" Dia. piston.. SOLD AS KIT

E. For handlebar master cylinders on Big Twin & Sportster®, all models 1996 & later.

90-524 Rebuild kit for single disc brake. OEM 45006-96. 9/16" Dia. piston. SOLD AS KIT
90-525 Rebuild kit for dual disc brake. OEM 45072-96. 11/16" Dia. piston.

REAR MASTER CYLINDER KITS

F. For rear master cylinders on H-D® Big Twin 1958 thru 1979.

90-58 Rebuild kit. OEM 41762-58A. SOLD AS KIT

G. For rear master cylinders on FL late 1979 thru 1984, FX late 1979 thru 1983, FLT & FLHT, 1980 thru 1985, and Sportster® 1979 thru 1981.

90-152 Rebuild kit. OEM 42374-77B. SOLD AS KIT

H. For rear master cylinders on FX 1983 thru 1986, Softail® 1984 thru early 1987, and Sportster® 1982 thru early 1987.

90-239 Rebuild kit. OEM 42374-82A. SOLD AS KIT

I. For rear master cylinders on FXR 1982 thru early 1987.

90-429 Rebuild kit. OEM 42382-82B. SOLD AS KIT

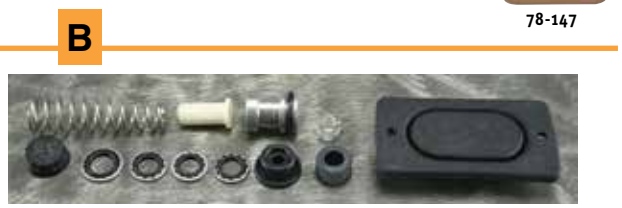
J. For rear master cylinders on FLT models 1986 thru 1992.

90-430 Rebuild kit. OEM 42374-86. SOLD AS KIT

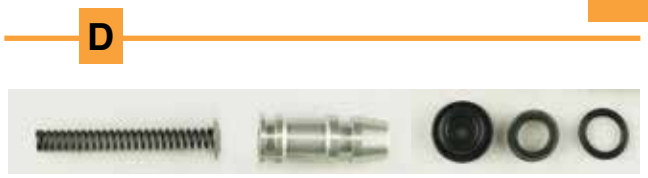
K. For rear master cylinders on FXR all models late 1987 and later, Softail® all models late 1987 and later, FLT all models 1992 and later, Dyna Glide® all models 1993 and later, and Sportster® all models late 1987 and later.

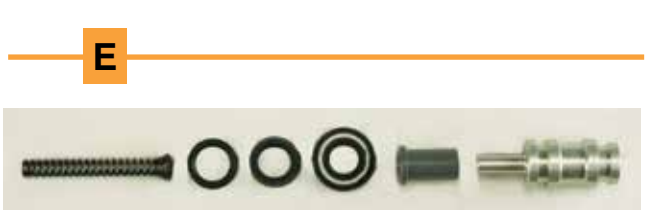
90-424 Rebuild kit. OEM 42382-87A. SOLD AS KIT

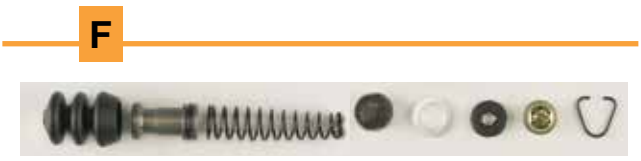


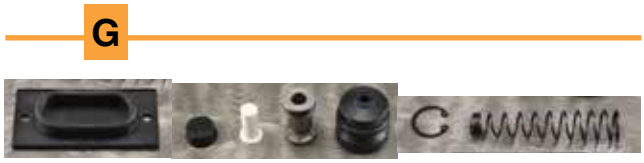


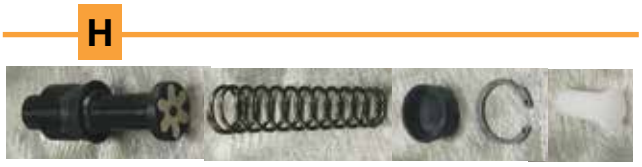






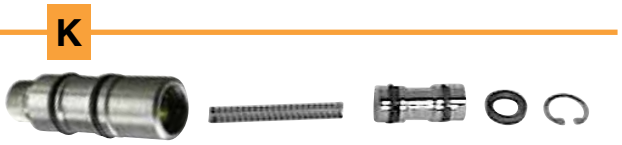








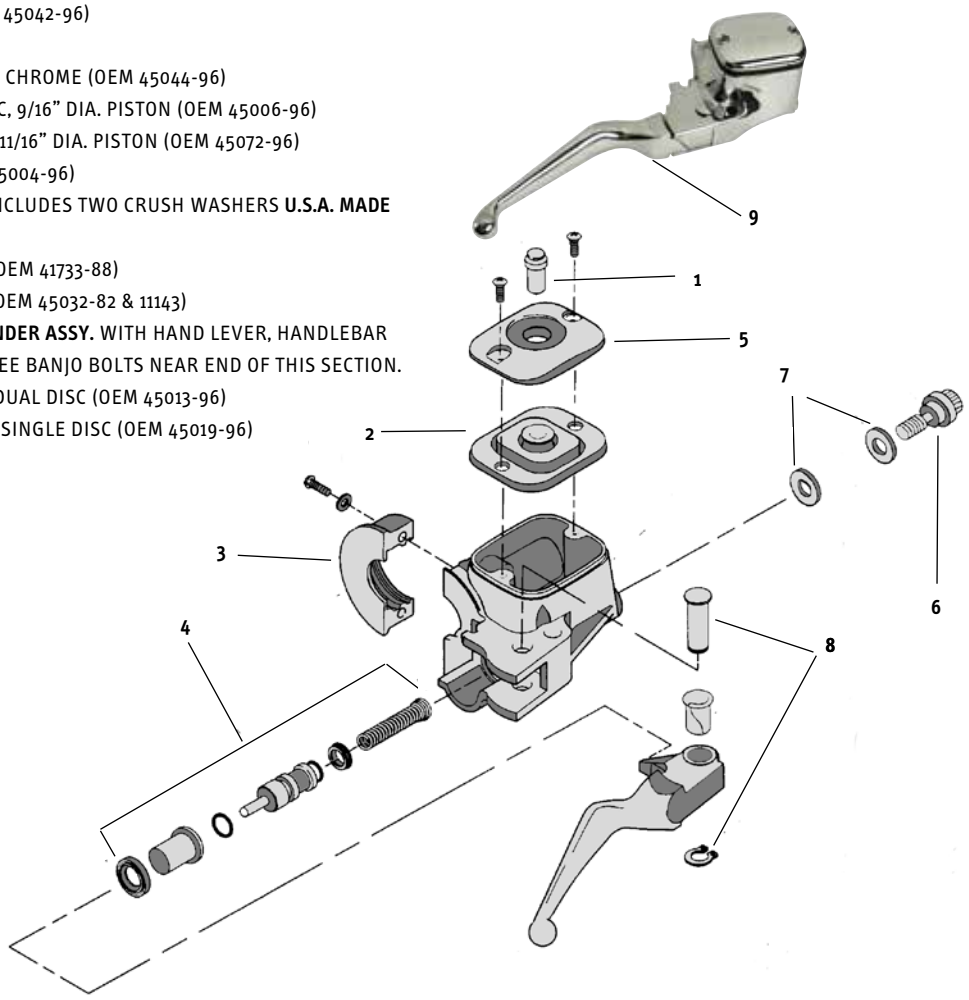




FRONT BRAKE CONTROLS FOR BIG TWIN & SPORTSTER® 1996 & LATER

ALL PARTS SOLD EACH EXCEPT AS NOTED

1	**90-211**	SIGHT GLASS ONLY (OEM 45042-96)
2	**78-219**	GASKET (OEM 45005-96)
3	**47-253**	BRAKE & CLUTCH CLAMP. CHROME (OEM 45044-96)
4	**90-524**	REBUILD KIT SINGLE DISC, 9/16" DIA. PISTON (OEM 45006-96)
	90-525	REBUILD KIT DUAL DISC, 11/16" DIA. PISTON (OEM 45072-96)
5	**90-209**	TOP COVER ONLY (OEM 45004-96)
6	**90-378**	BANJO BOLT. CHROME. INCLUDES TWO CRUSH WASHERS **U.S.A. MADE** (OEM 41739-84A)
7	**90-432**	12MM O-RING WASHER (OEM 41733-88)
8	**45-34**	PIVOT PIN & RET. RING (OEM 45032-82 & 11143)
9		**COMPLETE MASTER CYLINDER ASSY.** WITH HAND LEVER, HANDLEBAR CLAMP NOT INCLUDED. SEE BANJO BOLTS NEAR END OF THIS SECTION.
	90-522	.687 — 11/16" BORE FOR DUAL DISC (OEM 45013-96)
	90-523	.5625 — 9/16" BORE FOR SINGLE DISC (OEM 45019-96)





MASTER CYLINDER CAPS for 1996 & LATER

Chrome master cylinder tops without sight glass. Fits all models Big Twin and Sportster®, 1996 & later. You must use our gasket part No. **78-218** because this custom cover eliminates the sight glass so the old gasket cannot be reused. SOLD EACH

78-218 Gasket for use on custom covers where sight glass is not used.

Stock type master cylinder top cover with sight glass for all models Big Twin and Sportster®, 1996 & later.

90-209 Chrome top cover only with DOT 5 decal. OEM 45004-96. **NOTE:** must order gasket and sight glass separately. SOLD EACH

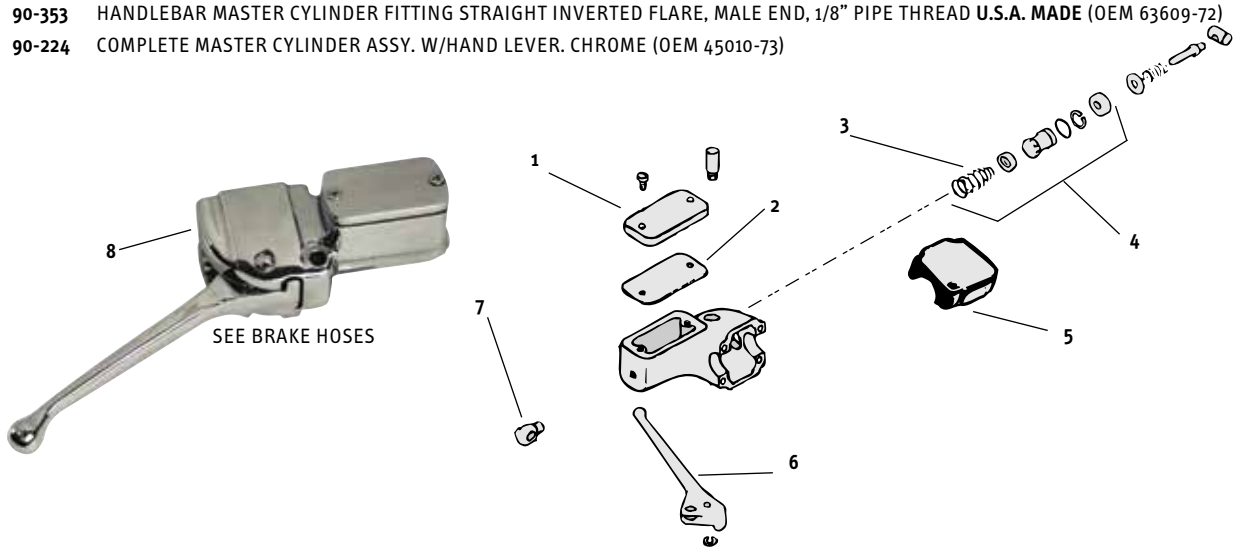
78-219 Gasket for cover with sight glass. OEM 45005-96.

90-211 Sight glass only. OEM 45042-96.

FRONT BRAKE CONTROL PARTS FOR H-D® 1972 THRU 1981

ALL PARTS SOLD EACH EXCEPT AS NOTED

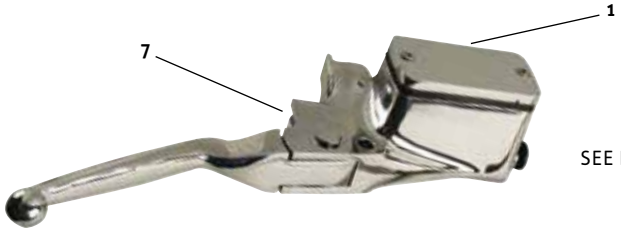
1	**90-165**	MASTER CYLINDER COVER 1972 / 1981. CHROME (OEM 45057-72)
2	**78-147**	MASTER CYLINDER COVER GASKET 1973 / 1981 (OEM 45012-72)
3	**90-422**	SPRING ONLY (OEM 45061-72A)
4	**90-151**	REBUILD KIT FOR OEM & PART NO. **90-224** HANDLEBAR MASTER CYLINDERS (OEM 45063-72)
5	**47-115**	CUSTOM SWITCH HOUSING USED WHEN NOT USING STOCK SWITCHES. FITS BRAKE & CLUTCH ALL H-D® 1972 / 1981. CHROME
6	**47-23**	POLISHED HAND LEVER FOR DISC BRAKE. FITS FL & FLH, 1972 THRU 1981, AND FX & FXE, 1973 THRU 1981. ALSO FITS SPORTSTER® 1973 THRU 1981. OEM 45016-72.
	47-86	CHROME HAND LEVER FOR DISC BRAKE. FITS FL & FLH, 1972 THRU 1981, AND FX & FXE, 1973 THRU 1981. ALSO FITS SPORTSTER® 1973 THRU 1981. OEM 45016-72.
7	**90-329**	HANDLEBAR MASTER CYLINDER FITTING 1971 / 1981 W/90° RIGHT ANGLE INVERTED FLARE, MALE END, 1/8" PIPE THREAD **U.S.A. MADE** (OEM 43307-78)
	90-353	HANDLEBAR MASTER CYLINDER FITTING STRAIGHT INVERTED FLARE, MALE END, 1/8" PIPE THREAD **U.S.A. MADE** (OEM 63609-72)
8	**90-224**	COMPLETE MASTER CYLINDER ASSY. W/HAND LEVER. CHROME (OEM 45010-73)

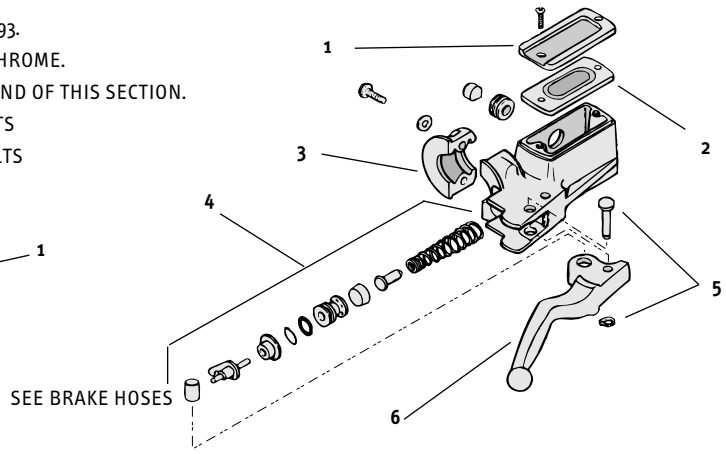


FRONT BRAKE CONTROLS FOR BIG TWIN & SPORTSTER® 1982 THRU 1995

ALL PARTS SOLD EACH EXCEPT AS NOTED

1	**90-435**	COVER LATE 1985 / 1995. CHROME (OEM 45004-85) ALSO FOR PART NO. **90-409** & **90-425** HANDLEBAR MASTER CYLINDERS
2	**78-182**	MASTER CYLINDER COVER GASKET 1982 / EARLY 1985 (OEM 45012-82)
	78-200	MASTER CYLINDER COVER GASKET LATE 1985 / 1995 (OEM 45005-85) ALSO FOR PART NO. **90-409** & **90-425** MASTER CYLINDERS
3	**47-164**	CHROME CLAMP. ALSO FITS CLUTCH CONTROL SIDE (OEM 45044-82)
4	**90-240**	REBUILD KIT FOR OEM W/.750" DIA. PISTON & HANDLEBAR MASTER CYLINDERS (OEM 45063-82)
5	**45-34**	PIVOT PIN & RET. RING (OEM 45032-82 & 11143)
6	**47-178**	CHROME PLATED 1982 THRU 1995 BRAKE LEVER. OEM 45016-93.
7		**COMPLETE MASTER CYLINDER ASSY.** WITH HAND LEVER. CHROME. HANDLEBAR CLAMP NOT INCLUDED. BANJO BOLTS NEAR END OF THIS SECTION.
	90-409	.625 — 5/8" BORE (OEM 45019-85) USES 12MM BANJO BOLTS
	90-425	.687 — 11/16" BORE (OEM 45013-85) USES 12MM BANJO BOLTS





*** A Little bit about bore size:**
Large bore: Less line pressure, more squeeze to work caliper, less travel, giving a more solid feeling to the brake. Moves more fluid.
Small bore: Higher line pressure, less squeeze to work caliper. More travel on lever with small bore; moves less fluid.
Recommend: larger bore for dual disc, small bore for single disc, but ultimately it is your choice of feel.

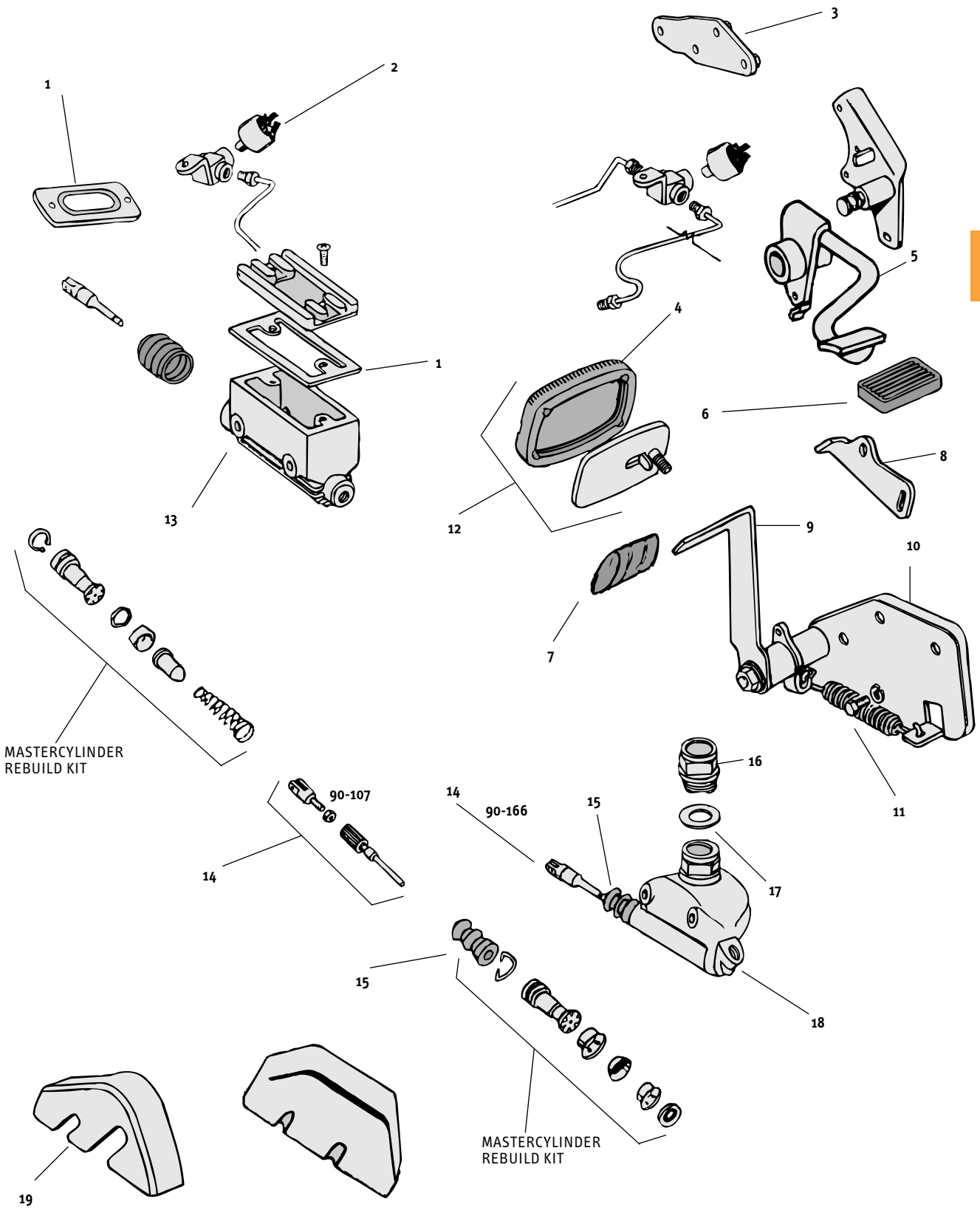
REAR BRAKE PARTS FOR BIG TWIN

ALL PARTS SOLD EACH EXCEPT AS NOTED

1	**78-187**	MASTER CYLINDER COVER GASKET FITS MOST REAR & REMOTE RESERVOIRS 1977 & LATER: FL REAR LATE 1979 / 1984. FX REAR LATE 1979 / 1982, ALL BIG TWIN REAR REMOTE 1982 & LATER, SPORTSTER® REAR 1977 / 1981 (OEM 42455-80)
2	**17-43**	STOPLIGHT SWITCH SCREW TYPE TERMINAL FL & FLH 1958 / 1970. ACCEL (OEM 72002-51)
	17-44	STOPLIGHT SWITCH FLAT TYPE TERMINAL FL & FLH 1971 / 1980, FX & FXE 1971 & 1972, FX & FXE 1978 / 1980, FLT 1980. ACCEL (OEM 72023-51)
3	**90-465**	MASTER CYLINDER BRACKET FX LATE 1972 / EARLY 1979 (OEM 42299-72)
4	**22-99**	BRAKE PEDAL PAD RUBBER ONLY (OEM 36964-67)
5	**—**	FOOT BRAKE LEVER ALL MODEL SUPER GLIDE® LATE 1972 / EARLY 1978. CHROME (OEM 42399-72A)
6	**22-88**	FOOT BRAKE LEVER RUBBER ONLY, ALL MODEL SUPER GLIDE® (OEM 42394-65)
7	**22-53**	BRAKE RUBBER ONLY, ALL MODEL FL & FLH. BLACK (OEM 42394-62)
8	**90-167**	STOP PLATE 1970 / 1979 (OEM 44211-70)
9	**47-67**	CHROME PEDAL FLH 1958 / 1969
	47-73	CHROME PEDAL FLH 1970 / 1979
10	**47-66**	CHROME BACKING PLATE FLH 1958 / 1969
	47-72	CHROME BACKING PLATE FLH 1970 / 1979
11	**90-170**	CHROME BACKING PLATE SPRING ALL MODELS 1958 & LATER W/ANY MASTER CYLINDER (OEM 42427-58 & 41835-69)
12	**22-97**	BRAKE PEDAL PAD KIT W/BLACK RUBBER 1965 & LATER (OEM 36956-65A)
13	**90-293**	KELSEY TYPE MASTER CYLINDER MOST H-D® 1980 & LATER. CHROME (OEM 42453-80A & 42454-80A)
14	**90-107**	PLUNGER & CLEVIS 1958 / 1969 (OEM 41770-58)
	90-166	PLUNGER & CLEVIS 1970 / 1979 (OEM 42333-70)
15	**90-208**	BOOT 1958 / 1969 (OEM 41764-58)
	90-202	BOOT 1970 / 1979 (OEM 41764-70)
16	**90-197**	MASTER CYLINDER CAP 1958 / 1979 (OEM 41765-70)
17	**—**	MASTER CYLINDER CAP WASHER 1958 / 1979 **U.S.A. MADE** (OEM 41766-58)
18	**90-50**	COMPLETE MASTER CYLINDER ASSY. SILVER PAINTED (OEM 41761-58)
	90-196	COMPLETE MASTER CYLINDER ASSY. CHROME (OEM 41761-58)
19	**89-201**	REAR MASTER CYLINDER COVER 1958 / EARLY 1979. CHROME (OEM 41737-63)

REAR BRAKE PARTS FOR BIG TWIN

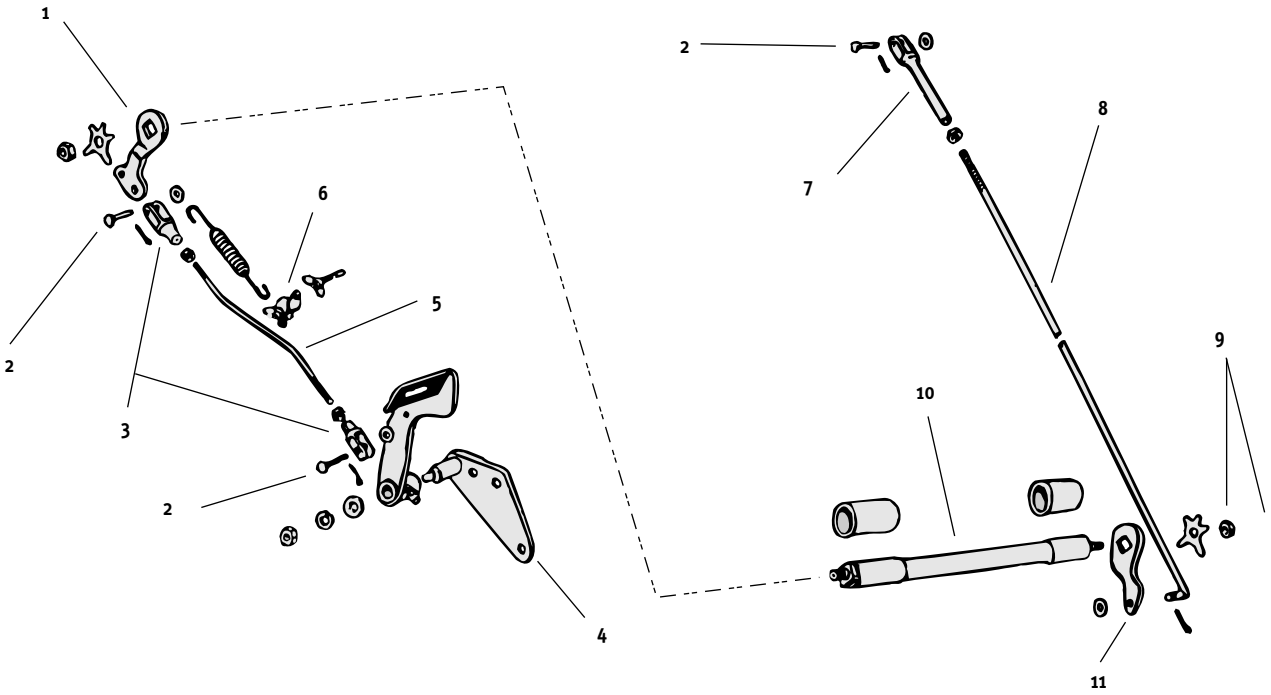
ALL PARTS SOLD EACH EXCEPT AS NOTED



MECHANICAL BRAKE CONTROL PARTS FOR H-D® 61", 74", & 80" TWINS 1936 THRU 1957

ALL PARTS CHROME PLATED EXCEPT 90-68 AND 90-186 ALL PARTS SOLD EACH EXCEPT AS NOTED

1	**90-176**	RIGHT SIDE TWO HOLE ARM (OEM 42560-37)
2	**90-68**	CLEVIS PIN (OEM 42269-30)
3	**90-174**	FRONT CLEVIS (OEM 42333-30) TWO NEEDED
4	**47-75**	BRAKE PEDAL BACKING PLATE (OEM 42480-36)
5	**10-38**	FRONT BRAKE ROD (OEM 42326-37)
6	**17-40**	COMPLETE BRAKE LIGHT SWITCH ASSY. (OEM 72003-34 & 42280-35)
7	**90-178**	REAR CLEVIS (OEM 42273-30)
8	**10-39**	STOCK REAR BRAKE ROD (OEM 42257-36)
9	—	NUT/LOCK KIT BIG TWIN 1930 / 1957 INCLUDES TWO NUTS & TWO LOCKS. COLONY
10	**90-186**	CROSSOVER SHAFT (OEM 42550-31)
11	**90-177**	LEFT SIDE ONE HOLE ARM (OEM 42556-36)





HANDLEBAR MASTER CYLINDER COVERS

For handlebar master cylinder on all H-D® models 1972 thru 1981. Replaces OEM 45057-72.

90-165 Plain chrome plated cover.. SOLD EACH

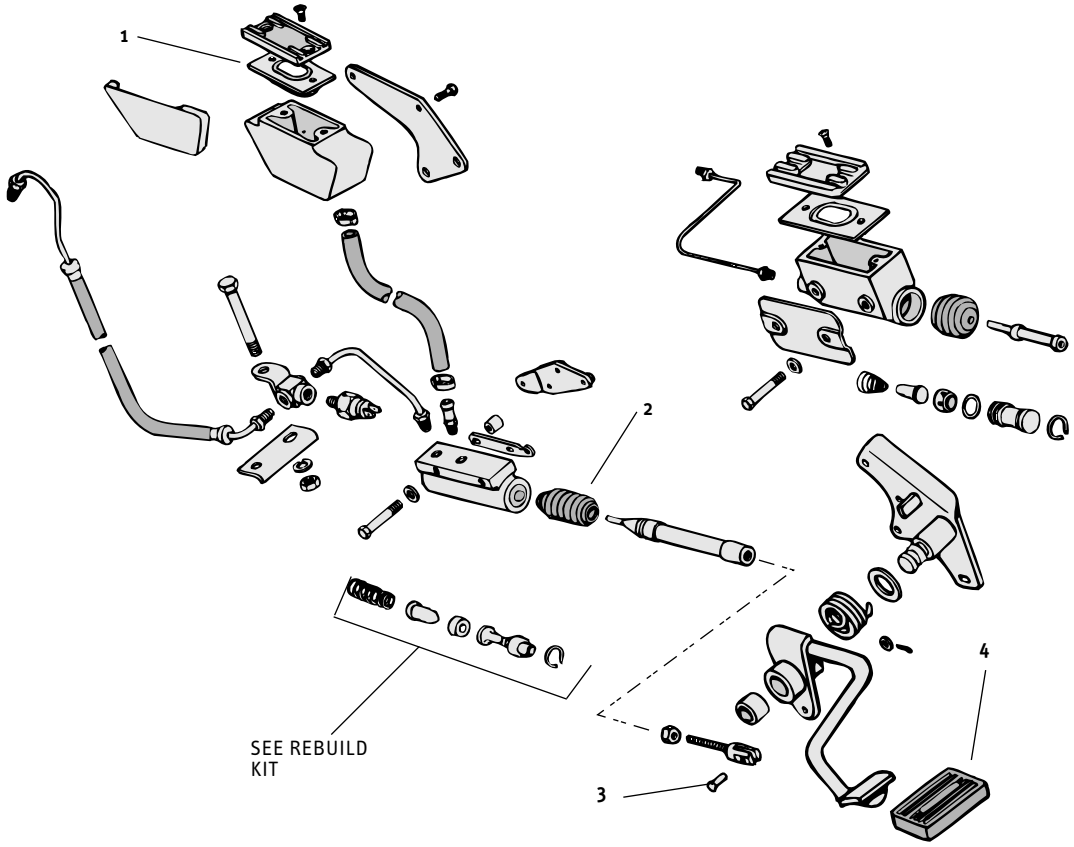
For handlebar master cylinder on all H-D® models late 1985 thru 1995, forward control mounted rear master cylinder on all H-D® models late 1987 thru 1995, and rear master cylinder on XL late 1987 thru 1995. Replaces OEM 45004-85 & OEM 42381-87.

90-435 Plain chrome plated cover. SOLD EACH

REAR BRAKE CONTROLS FOR FX & FXSB 1979 & LATER EXCEPT FXWG 1979 THRU 1985

ALL PARTS SOLD EACH EXCEPT AS NOTED

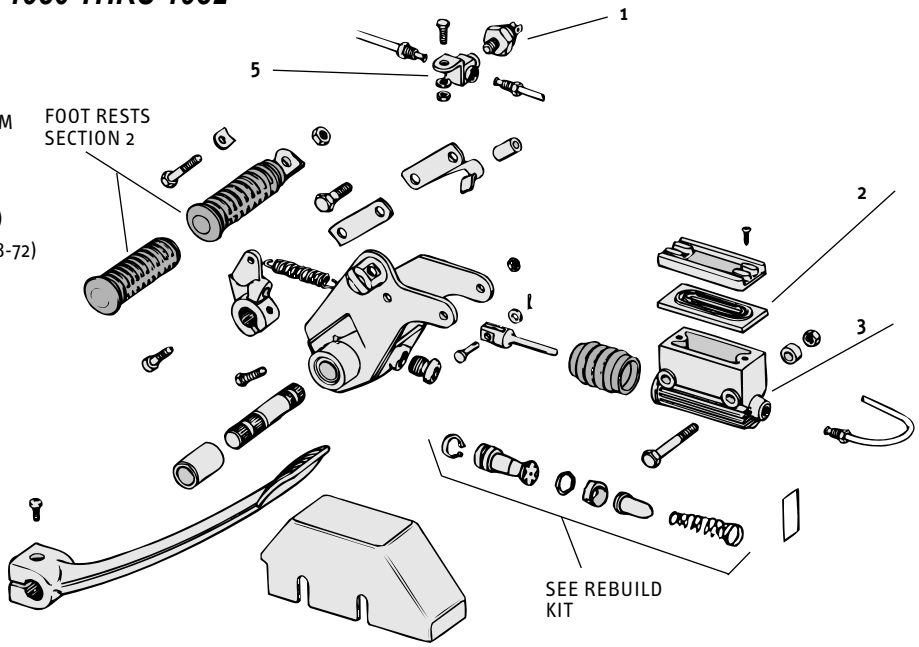
1	**78-187**	MASTER CYLINDER COVER GASKET FITS MOST REAR & REMOTE RESERVOIRS 1977 & LATER: FL REAR LATE 1979 / 1984. FX REAR LATE 1979 / 1982, ALL BIG TWIN REAR REMOTE 1982 & LATER, SPORTSTER® REAR 1977 / 1981 (OEM 42455-80)
2	**90-410**	PUSH ROD BOOT FXWG, FXST & FLST 1983 / EARLY 1987, FXR 1982 / 1990, FLT 1984 / 1991, SPORTSTER® 1980 / EARLY 1987 (OEM 40922-79)
3	**90-68**	REAR BRAKE ROD CLEVIS PIN (OEM 42269-30)
4	**22-88**	FOOT BRAKE LEVER RUBBER ONLY, ALL MODEL SUPER GLIDE® (OEM 42394-65)



REAR BRAKE CONTROLS FXWG 1980 THRU 1982

ALL PARTS SOLD EACH EXCEPT AS NOTED

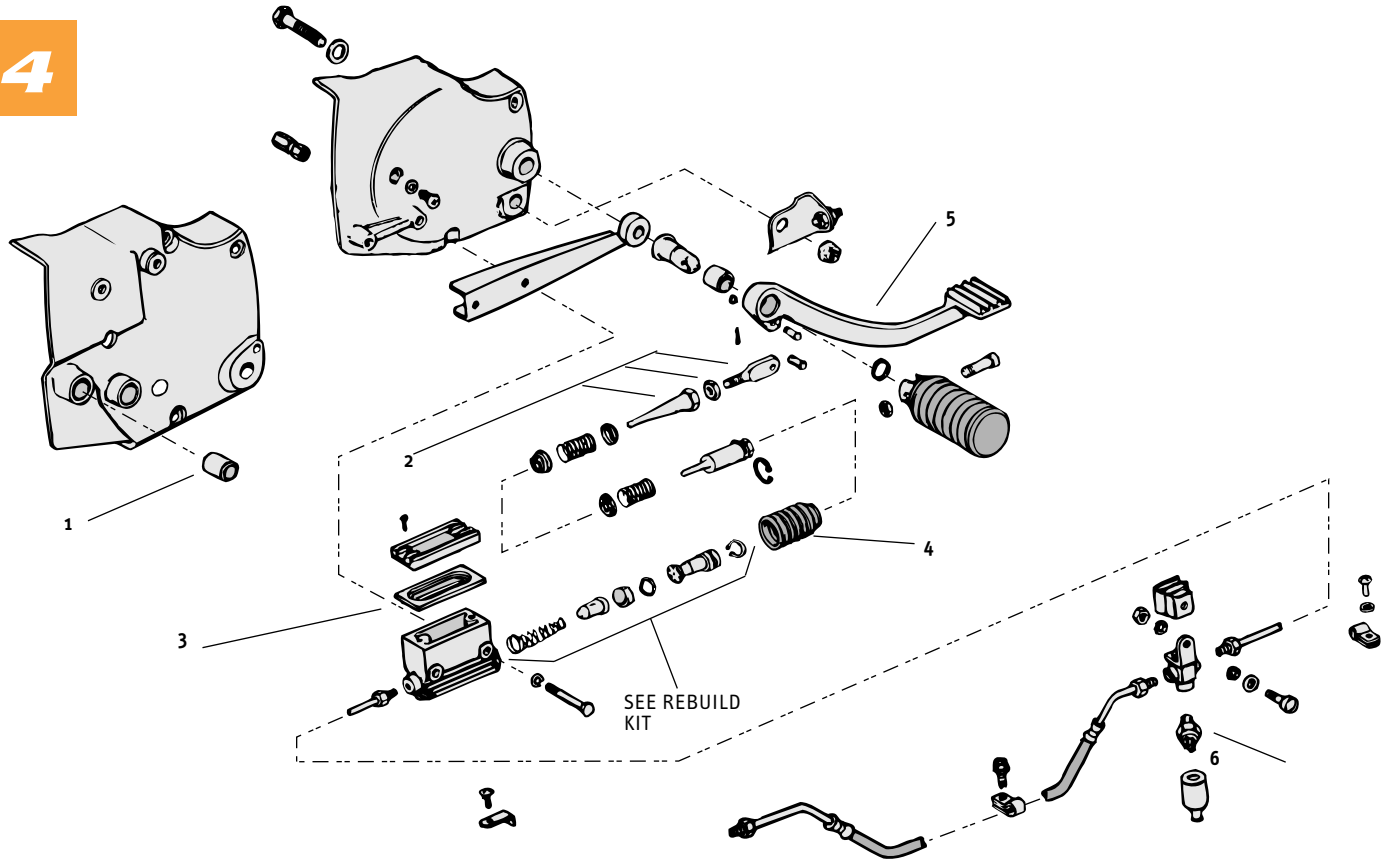
1	**17-44**	STOPLIGHT SWITCH FLAT TYPE TER MINAL. ACCEL (OEM 72023-51)
2	**78-187**	MASTER CYLINDER COVER GASKET (OEM 42455-80)
3	**90-293**	KELSEY TYPE MASTER CYLINDER. CHROME (OEM 42453-80A & 42454-80A)
5	**90-351**	BRAKE LINE TEE 1980 / 1986 (OEM 42318-72)



REAR BRAKE HYDRAULIC CONTROL FOR SPORTSTER® XL, XLCH (1980 & LATER SHOWN)

ALL PARTS SOLD EACH EXCEPT AS NOTED

1	**95-347**	BRAKE PIVOT SHAFT BUSHING 1977 / 1979 (OEM 34898-79)
3	**78-187**	MASTER CYLINDER COVER GASKET 1980 & 1981 (OEM 42455-80)
4	**90-410**	PUSH ROD BOOT FXWG, FXST & FLST 1983 / EARLY 1987, FXR 1982 / 1990, FLT 1984 / 1991, SPORTSTER® 1980 / EARLY 1987 (OEM 40922-79)
5	**47-107**	BRAKE PEDAL 1980 & LATER (OEM 42459-80)
6	**17-44**	REAR BRAKE STOPLIGHT SWITCH INCLUDES TERMINALS & INSULATORS. ACCEL (OEM 72023-51)



MASTER CYLINDER COVER

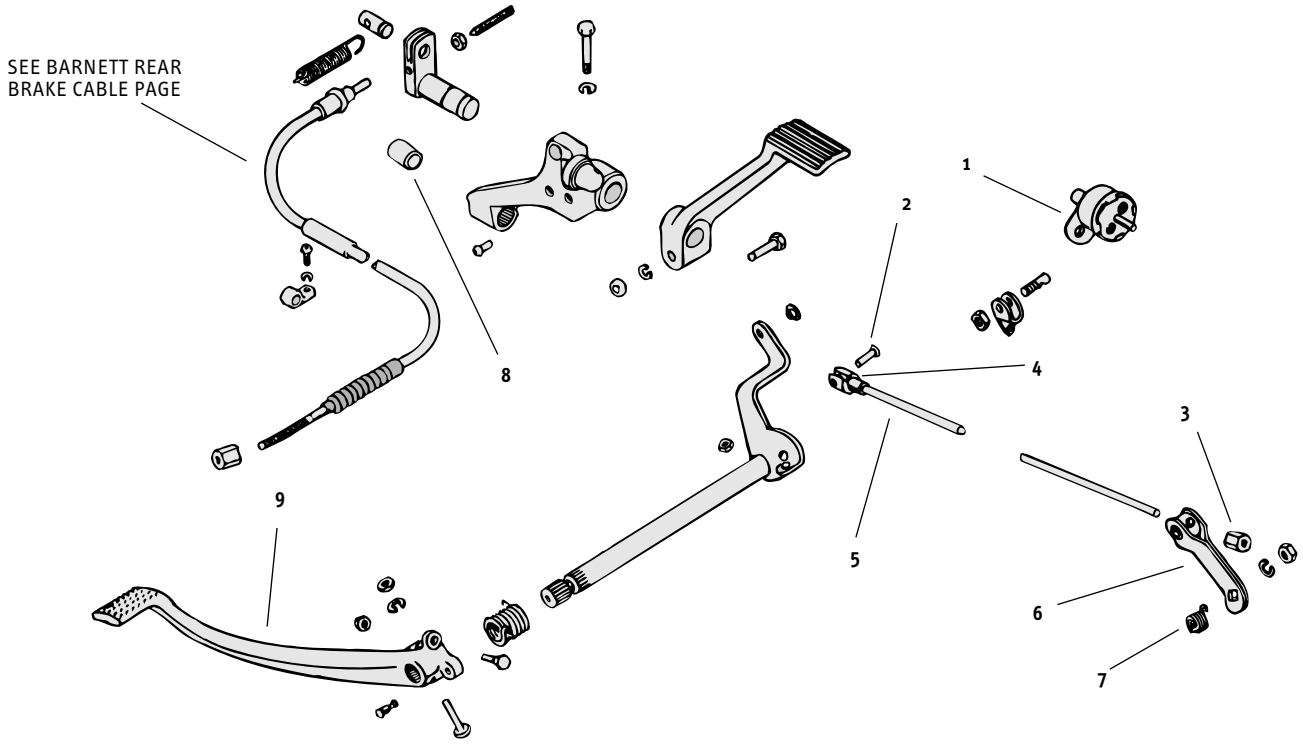
89-202 For XL 1982 thru 2001. **SOLD EACH**



REAR WHEEL MECHANICAL BRAKE PARTS FOR H-D® SPORTSTER® & K MODELS 1956 THRU 1978

ALL PARTS SOLD EACH EXCEPT AS NOTED

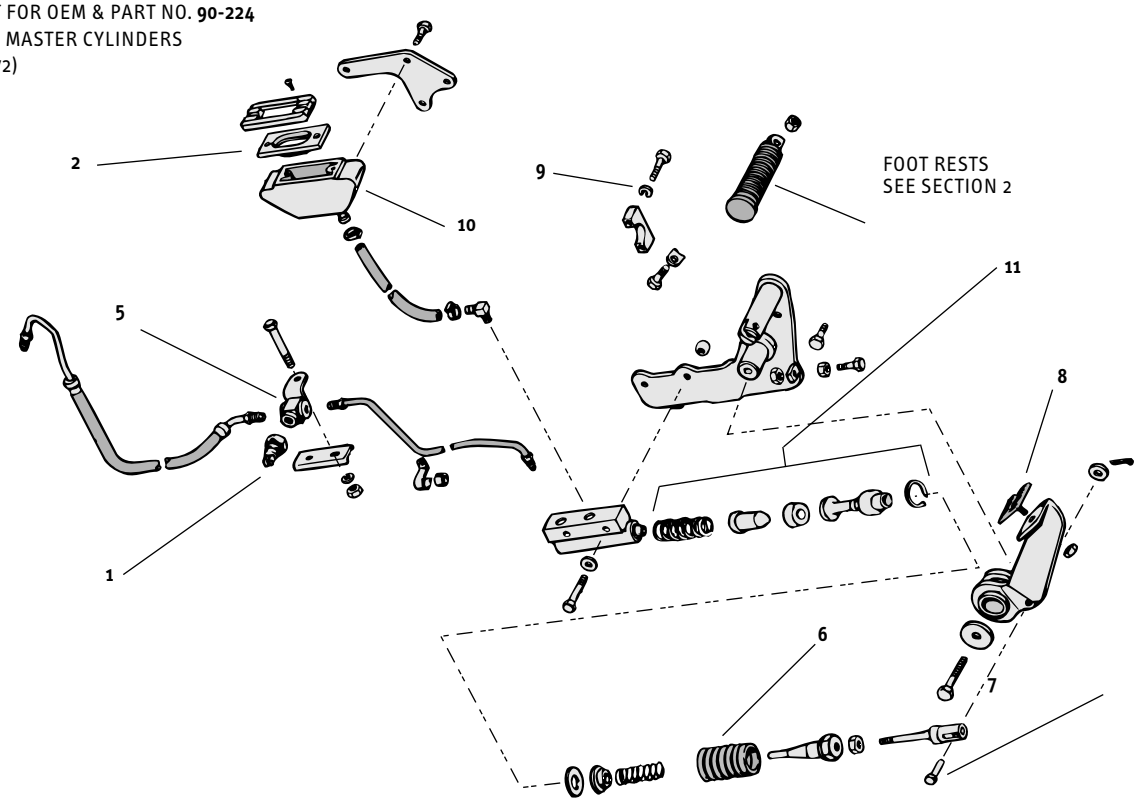
1	**17-58**	REAR BRAKE LIGHT SWITCH SPORTSTER® 1967 / 1974 (OEM 72004-70)
2	**90-68**	CLEVIS PIN (OEM 42269-30)
3	**90-184**	ADJUSTING NUT 1954 / 1978. CHROME (OEM 42264-52)
4	**90-174**	CLEVIS. CHROME (OEM 42330-30)
5	**10-30**	CHROME STOCK ROUND ROD & CLEVIS 1967 / 1975
6	**47-71**	CHROME BRAKE LEVER 1954 / 1978 (OEM 41925-52)
7	**90-421**	REAR OPERATING LEVER SPRING 1975 / 1978 (OEM 41667-75)
8	**95-347**	BRAKE PIVOT SHAFT BUSHING 1977 / 1979 (OEM 34898-79)
9	**47-100**	CAD PLATED BRAKE PEDAL 1954 / 1974 (OEM 42410-52)
10	—	NUT/LOCK KIT BIG TWIN 1930 / 1957 INCLUDES TWO NUTS & TWO LOCKS. COLONY
11	**90-186**	CROSSOVER SHAFT (OEM 42550-31)
12	**90-177**	LEFT SIDE ONE HOLE ARM (OEM 42556-36)



REAR BRAKE CONTROLS FXWG 1983 & LATER

ALL PARTS SOLD EACH EXCEPT AS NOTED

1	**17-44**	STOPLIGHT SWITCH FLAT TYPE TERMINAL. ACCEL (OEM 72023-51)
2	**78-187**	MASTER CYLINDER COVER GASKET (OEM 42455-80)
3	**90-293**	KELSEY TYPE MASTER CYLINDER. CHROME (OEM 42453-80A & 42454-80A)
5	**90-351**	BRAKE LINE TEE 1980 / 1986 (OEM 42318-72)
6	**90-410**	PUSH ROD BOOT FXWG, FXST & FLST 1983 / EARLY 1987 (OEM 40922-79)
7	**90-68**	REAR BRAKE ROD CLEVIS PIN (OEM 42269-30)
8	**22-111**	BRAKE LEVER PAD (OEM 42532-82)
9	**96-241**	1/4" LOCKWASHER (OEM 7036)
10	—	MACHINED ALUMINUM REMOTE RESERVOIR BIG TWIN W/HAYES MASTER CYLINDER 1982 & LATER. REPLACES OEM 41800-81A. INCLUDES HARDWARE & FITTINGS
11	**90-151**	REBUILD KIT FOR OEM & PART NO. **90-224** HANDLEBAR MASTER CYLINDERS OEM 45063-72)



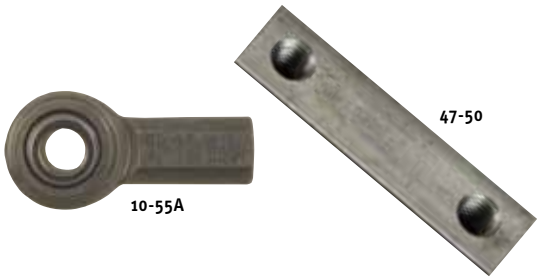
REPAIR & REPLACEMENT PARTS FOR FORWARD CONTROLS

17-43	Brake light switch (early). Accel. OEM 72002-51.
17-44	Brake light switch (late). Accel. OEM 72023-51.
47-50	Weld on tab with bolts. **U.S.A. MADE**.
90-387	Brake plunger for kits our part No. **47-128** (page 4-51)
10-55A	Stainless rod end, 5/16-24 thread.

SOLD EACH









A. *LED TURN SIGNAL MIRROR SET*

These new custom designed LED mirrors are made from billet aluminum & are beautifully chrome finished and add a great custom look to any motorcycle.

46-248 Slider LED chrome mirror set. SOLD AS PAIR



B. *MIRROR HEAD*

46-107 Mirror head with ball milled style accent lines. SOLD EACH



C. *REPLACEMENT LENS FOR WIRED PREDATOR MIRRORS*

The "wired" Predator mirrors feature 12V Amber lens on the same 5" long stems and mirror heads. The thru-the-stem wiring keeps a clean, custom look.

NOTE: Use clamp part No. **66-94** shown on page 4-57.

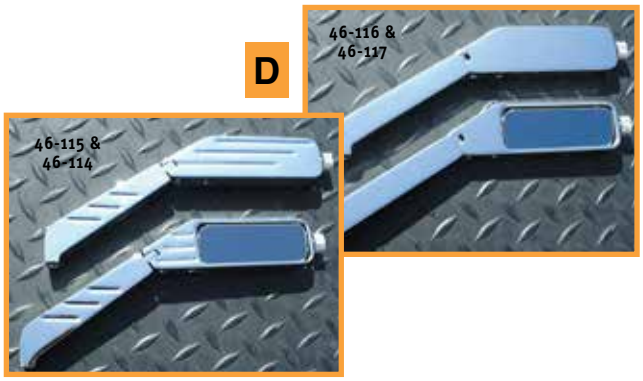
86-97 Replacement lens. Includes two lenses, one bulb and two screws. SOLD EACH



D. *SLIM LINE MIRRORS*

Chrome billet aluminum mirrors that hug the handlebars for a tight, compact look — especially cool with drag bars! Unique two way adjusting system to set visibility angles. Four designs to choose from, with smooth backs or ball milled backs & stems to go with our line of chrome billet ball mill accessories (see Sec. 14). SOLD EACH

LEFT SIDE PART NO.		RIGHT SIDE PART NO.
	RECTANGLE MIRRORS	
—	Smooth back	**46-117**
46-115	Ball mill back	**46-114**



E. *DIE CAST MIRRORS*

46-50 Fits all H-D® V-Twins 1967 & later. OEM 91875-70A. SOLD EACH

46-52 8" Stem, fits all models 1965 & later. OEM 91879-67. **NOTE:** These mirrors are sold as pair for right and left. Tinted. SOLD AS PAIR





F. *SCROLLED MIRROR*

Die-cast scrolled mirror with "V-TWIN" on the face.

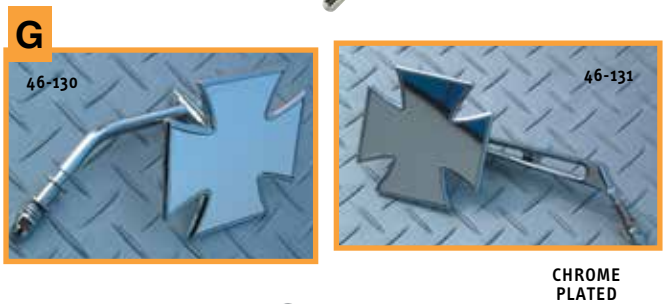
46-51 Fits 1967 & later, all models. SOLD EACH

G. *MALTESE CROSS MIRRORS*

Die cast, chrome plated mirrors.

46-130 Mirror with short straight stem. SOLD EACH

46-131 Mirror set with cutout stems. SOLD AS PAIR



H. *OVAL MIRRORS*

These chrome plated mirrors are sold each. Thru lever mounting fits either left or right. SOLD EACH

46-103 Mirror with smooth back. Not die cast.



A



ALL MIRRORS CHROME PLATED

46-201

B



C



D



46-216



E



F



G



H



I



CUSTOM MIRRORS

Chrome plated custom mirrors in a variety of styles — something for everyone!

A. MINI MIRRORS

Mini mirror includes both 3-3/4" short and 5" long stems. Fits all H-D®.

46-201 Smooth back semi-teardrop mini mirror. SOLD EACH

B. MIRRORS WITH CURVED CUTOUT STEMS

Die cast aluminum mirrors.

46-209 Rectangular shape mirror; 2" x 4". Features unique stainless pivot and a nylon bushing to prevent loose adjustment or rust at the pivot. SOLD EACH

46-210 Round mirror; 3-1/2" diameter.

C. MIRRORS WITH STRAIGHT SLOTTED STEMS

Die cast aluminum mirrors.

46-204 Rectangular shape mirror; 2" x 4-3/4". With 4-3/4" long stem. SOLD AS PAIR

D. MIRRORS WITH OFFSET HEADS & CURVED SLOTTED STEMS

Die cast aluminum mirrors.

46-216 Oval mirror w/plain back & decorative pocket. SOLD AS PAIR

46-221 Sharp cateye mirror w/ball mill back & decorative pocket.

E. MIRRORS WITH BALL MILL BACKS

Die cast aluminum mirrors.

46-225 Wedge mirrors w/curved, slotted stem. SOLD AS PAIR

F. *UNIVERSAL ROUND MIRROR*

4" Diameter non-glare mirror.

46-35 4" Stem. Universal clamp 3/4", 7/8", and 1". SOLD EACH

G. *STOCK ROUND MIRRORS*

Chrome plated mirror with two piece stem to fit on left or right side. Fits stock mount location on Big Twin and Sportster®.

46-99 Mirror with 3" diameter face. SOLD EACH

46-100 Mirror with 4" diameter face.

H. *OVAL MIRROR SET*

Die cast oval mirror set with plain back and cut out stem.

46-98 Mirror set. SOLD AS SET

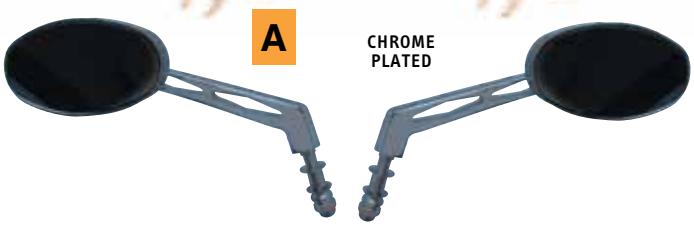
I. *3-D SCULPTED MIRROR SET*

46-122 Die cast, chrome plated mirrors. These mirrors are sold as pair for right and left. SOLD AS SET

A. *CATEYE MIRROR SET*

Smooth head and straight cutout stem.

46-134 Die cast, chrome plated mirrors. These mirrors are sold as pair for right and left. **SOLD AS SET**



B. *RECTANGULAR MIRRORS*

Rectangular mirror fits right or left hand levers of H-D®, disc or non-disc brake. Also available with universal clamp.

46-2 Mirror for H-D® hand levers, disc or non-disc brake. Tinted. **SOLD EACH**



C. *REPLACEMENT TAPERED MIRRORS*

Die cast, chromed mirrors with standard H-D® style stems fit 2003 & later VRSC, touring, models, Sportster®, Softail®, Dyna® & FXR.

46-239 Tapered mirrors. These mirrors are sold as pair for right and left. OEM 92022-03. **SOLD AS PAIR**



D. *"FUSION" CUSTOM BAGGER MIRRORS*

The "Fusion" custom mirrors have an integrated mounting design which allows the mirrors to be mounted into the faring. Sold in pairs, they are direct replacement for 06-08 FLHX street glide models & easily fitted to other touring models w/farings. Available in chrome or black finish.

46-5 Chrome "Fusion" OC mount oval mirror set. **SOLD AS PAIR**
46-6 Black "Fusion" OC mount oval mirror set.



E. *BLACK CLASSIC ROUND MIRRORS*

Classic style round mirrors that have been beautifully black powder-coated. 4.5" diameter, available in short or long stem.

46-17 Black round mirror w/short stem, LH. **SOLD EACH**
46-18 Black round mirror w/short stem, RH.
46-19 Black round mirror w/long stem, LH.
46-20 Black round mirror w/longstem, RH.



F. *SKULL MIRRORS*

These mirrors are beautifully chrome plated aluminum & have a custom skull design mirror heads & stems. Mounting hardware included.

46-21 Chrome skull mirror set. **SOLD IN PAIRS**



G. *LED BILLET MIRROR SET*

These custom designed mirrors are made from billet alluminum & have mounting forged stems for additional strength. They are beautifully designed and have a high quality chrome finish. The LED amber lights can be wired as a running light or indicator. Mounting hardware & wiring.

46-10 Chrome custom LED mirror set. **SOLD AS SET**



A



B



C

CHROME PLATED



D





E

CHROME PLATED



46-95

F



A. *CUSTOM FAIRING MIRRORS*

These custom designed fairing mirrors are easy to install as an upgrade, replacement or for custom use. These mirrors are 1" wider than the OE mirrors and includes a hidden wide eye lens, all necessary hardware & mounting instructions. Available with or without amber LED indicator display.

Fits all 1996 & later FLHT, FLHTC & FLHTCU models.

46-11 Black custom fairing mirror set. **SOLD AS SET**
46-12 Black custom fairing mirror set w/LED indicator.
46-13 Chrome custom fairing mirror set.
46-14 Chrome custom fairing mirror set w/LED indicator.

B. *BLACK FLAME MIRROR*

46-22 Cateye Black Flame mirror. **SOLD AS SET**

C. *UNIVERSAL MIRROR CLAMP*

66-72 Use on 3/4", 7/8" and 1" bars. **SOLD AS SET**

D. *MIRROR CLAMP FOR H-D®*

Mounts to 1" bars and is designed to accept 8mm mirror stems as used on H-D®. Allows rider to relocate mirrors to any desired position.

66-94 Chrome mirror clamp. **SOLD EACH**

E. *LOW PROFILE CHOPPER MIRROR*

Chrome metal or die cast mirrors. 2" x 4-1/2" Flat mirror face. When a big mirror will break up the smooth lines of a hot custom bike, use our low profile chopper mirror. They look great and function equally as well.

METAL PART NO.	DIE CAST PART NO.	STEM TYPE
46-93	**46-95**	H-D® thru lever bracket.
46-94	—	7/8" Or 1" clamp.

SOLD EACH

F. *CHROME MIRROR SET FOR H-D®* NEW!

Chrome abs mirror heads with steel round stems fits all H.D. models. Good size mirror for your viewing. Sold as pair. Great look for your bike.

★46-23 Chrome mirror set. **SOLD AS PAIR**

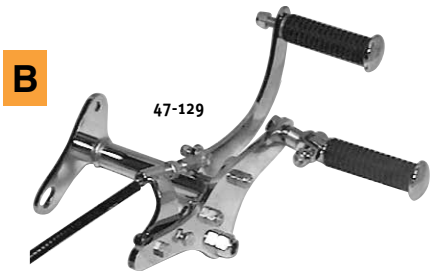
A. *U.S.A. MADE* POLISHED BILLET FORWARD CONTROL PARTS FOR BIG TWIN



These high quality units are machined from 6061 T6 billet aluminum then polished to show quality. Other features include oil-light self-lubrication bronze bushing operating on stainless steel axle for long life and free movement of levers. Master cylinder bore diameter is 3/4" and precision roller burnished for added wear resistance and tolerance control.

90-152	Rear master cylinder rebuild kit (not shown).	SOLD AS KIT
22-183	Rear footpegs to match above forward controls. (not shown)	SOLD AS PAIR
22-193	Matching rear pegs. Chrome plated. Use with part No. **23-140** or **23-100** footpeg supports. (not shown)	SOLD AS PAIR
22-194	Matching rear pegs, spring loaded, flip-up style. Chrome plated. 3/8" Mounting hole. (not shown)	SOLD AS PAIR

B. *FORWARD CONTROLS FOR SPORTSTER®*

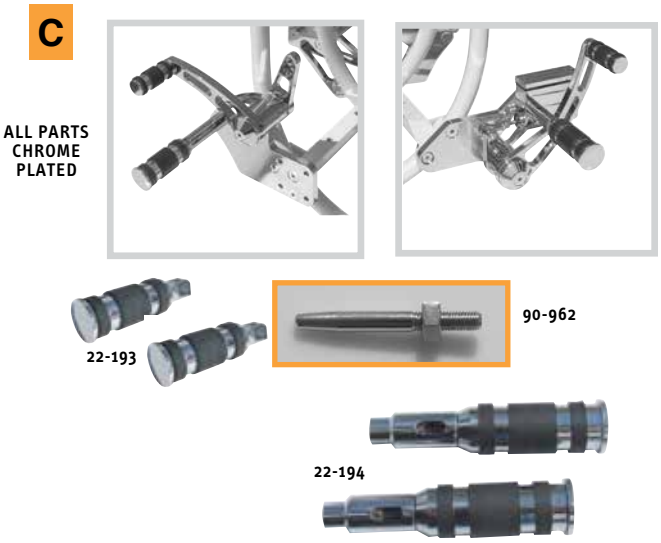


The finest forward control now available. These first rate controls relocate your foot brake and shift controls to a forward and much more comfortable riding position. Now you can enjoy the comfort to the forward foot position both on the highway and in town! These units are complete with superbly chromed aircraft quality hardware and standard rubber pegs. Use steel brake line.

On Sportster® 1954 thru 1974, use stock shifter pegs. Front motor mount bolts must be 1/4" longer than stock. Stock shift lever must be cut & drilled.

47-129	Brake control for Sportster® 1975 thru 1978 (mechanical brake).	SOLD AS KIT

C. *FORWARD CONTROL PARTS*



CNC Machined from 6061 T-6 bright chrome plated. Fits 1936 thru 1999 and most customs.

ACCESSORIES

22-9	Replacement rubber, brake & shifter pegs	SOLD AS KIT (6PCS)
22-10	Replacement rubber, driver pegs	SOLD AS KIT (6PCS)
22-193	Matching rear pegs. Chrome plated. Use with part No. **23-140** or **23-100** footpeg supports.	SOLD AS PAIR
22-194	Matching rear pegs, spring loaded, flip-up style. Chrome plated. 3/8" Mounting hole.	SOLD AS PAIR
22-195	Matching rear pegs, spring loaded, flip-up style. Chrome plated. 1/2" Mounting hole.	SOLD AS PAIR
35-96	Matching grips for 1" dia. handlebars. Throttle sleeve is set up for push/pull cable system. Shown on page 4-48.	SOLD AS PAIR
90-958	Master cylinder repair kit for 5/8" bore.	SOLD EACH
90-959	Master cylinder repair kit for 3/4" bore.	SOLD EACHH
90-962	Master cylinder plunger.	SOLD EACH



D. *REPLACEMENT PARTS FOR BILLET FORWARD CONTROL KITS FOR BIG TWIN (SHOWN)*

REPLACEMENT FOOTPEGS

22-190	Knurled, chrome replacement toe shift & brake peg.	SOLD AS SET

MASTER CYLINDER REBUILD KIT

Use this kit to rebuild the master cylinder on the following forward control kits: part No. **47-282, 47-283**.

90-689	Rebuild kit.	SOLD AS KIT
90-690	Master cylinder gasket.	SOLD EACH
90-699	3/8 X 24 brake hose end.	SOLD EACH



CHROME PLATED

A



B



C



D

CHROME PLATED

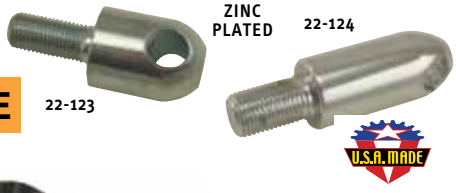


ZINC PLATED

22-124

E

22-123



F



CHROME PLATED

G



A. MOUNTING KITS FOR SPORTSTER®

NOTE: When mounting forward controls to Sportster® models, mounting kit below must be purchased. They are double welded and powder coated frame black. Includes two brackets, one rod, one lever, and mounting hardware. SOLD AS KIT

47-208 Mounting kit for Sportster® 5 speed 1991 thru 1999.

B. ULTIMA® FORWARD CONTROL ADAPTER

Ultima®'s billet aluminum forward control adapter kit allows mounting of 84-99 forward controls onto stock 2000-later Twin Cam® Softail® frames. Sold as pair. Hardware sold seperately. Made in the USA.

47-430 Ultima® forward control adapter kit.

ADAPTER PLATE FOR YAMAHA ROADSTAR

47-418 Adapter plate for Yamaha Roadstar 99'-06' for Ultima® & Chrome Horse® forward controls, chrome.

C. FOOTPEG EXTENSIONS

Driver footpeg extensions for tall riders who need extra length at the footpegs. These extensions bolt up at the footpeg mount and utilize the stock pegs (not included).

23-139 Fits FXWG 4 speed, FXDWG models and all FXST except those equipped with floorboards. SOLD AS PAIR

D. REAR FOOTREST BRACKET SET

Can be used for rear footrest brackets on Big Twin 1971 thru 1984. Direct replacement for FX 1971 thru 1981.

23-134 Right and left brackets. Replaces OEM 47116-77 and 47117-77. SOLD AS SET

E. FOOTPEG SUPPORTS

U.S.A. MADE zinc plated bullet style footpeg supports.

22-123 3/8"-24 Stud. Fits FL models 1965 thru thru 1984 and FX models 1971 thru 1985. OEM 50973-65. SOLD EACH

22-124 1/2"-20 Stud. Fits FL models 1941 thru 1964 and FX models 1971 & 1972. OEM 52683-74.

F. HEAVY NON-SLIP CLAMP

U.S.A. MADE clamps used for footpeg and mirrors. No chrome or valuable paint damage when installing. No opening or pinching closed to install therefore no chrome cracking or damage to outside radius of clamp.

66-65 1" I.D. x 3/8" mounting hole. SOLD AS PAIR
66-215 1-1/4" I.D. x 3/8" mounting hole.
66-216 1-1/8" I.D. x 3/8" mounting hole.

66-213 1" I.D. x 1/2" mounting hole. OEM 50904-85T.
66-66 1-1/4" I.D. x 1/2" mounting hole. OEM 50903-85T.
66-214 1-1/8" I.D. x 1/2" mounting hole. OEM 50905-85T.

G. FOOTPEGS MOUNTS FOR ENGINE GUARDS

Clamp on peg mounts, use male end foot pegs. Comes in three sizes to fit most size engine guards. Requires 3/8x1-1/2" thru bolts to mount pegs.

23-1 Footpeg mounts for 1" bar SOLD AS PAIR
23-2 Footpeg mounts for 1-1/4" bar, replaces OEM 50957-02A
23-3 Footpeg mounts for 1-1/2" bar

A. *HIGHWAY PEG SUPPORT KIT*

Chrome adjustable highway peg support kit for 04-up XL models with mid-controls. These kits feature forged aluminum levers and mounting brackets and come with all hardware required in a beautiful chrome finish. OEM 49053-04.

23-144 Chrome adjustable highway peg support kit. SOLD AS KIT

B. *FOOTPEG SUPPORTS*

Stock replacement style footpeg supports with hardware. Works with many custom footpegs.

23-140 Fits FX late 1972 thru 1981, FXST 1984 & later, and FXR 1983 & later. Replaces OEM 50900-72T. SOLD AS PAIR

23-100 Fits Softail® 2000 & later. Bolts thru supports with 3/8" - 16 x 1-3/4" allen. Replaces OEM 50942-00.

C. *ANTI-VIBE FOOTPEGS WITH STIRRUP HEEL REST*

22-6 Large driver peg with male mount. Fits Softail®, FXWG & FXR. SOLD AS PAIR

22-264 Passenger pegs.

D. *CUSTOM BILLET FOOT PEGS*

These highly decorative billet pegs & matching grips are just the detail to finish off the all-out custom, or to give just the right amount of contrast to the 'black suede' chopper. ALL PARTS SOLD AS PAIR

PASSENGER PEGS WITH MALE MOUNT.

22-233 Carriage, polished

RIDER PEGS WITH 3/8"-16 THREADED HOLE.

22-208 Stovepipe, polished

22-214 Stovepipe, chrome

22-210 Rook, polished

E. *CUSTOM FOOTPEGS WITH MALE MOUNTS*

Hot Looks — These custom footpegs were the hand picked favorites of the developers of the Chrome Horse® Forward Controls. They are suitable for your own custom applications.

22-180 Chrome plated, wide band pegs. SOLD AS PAIR

22-181 Knurled aluminum non-slip pegs.

F. *RIDER & PASSENGER PEGS FOR XL & FX*

Zinc die cast & chrome plated with black rubber and chrome plated ends. One of the most beautifully made & designed pegs on the market today.

22-104 Rider peg. SOLD AS PAIR

22-113 Rider peg. Same as stock. OEM 50939-52.

22-105 Passenger peg. OEM 33048-72.

G. *BRAKE & SHIFTER PEG*

High quality billet aluminum replacement parts. Polished to perfection.

22-162 Shifter peg. SOLD EACH

A



B



23-140



C

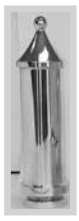


CHROME PLATED

D



STOVEPIPE



CARRIAGE



ROOK

U.S.A. MADE

E



22-181 ALUMINUM

22-180 CHROME PLATED

F



22-104 CHROME PLATED

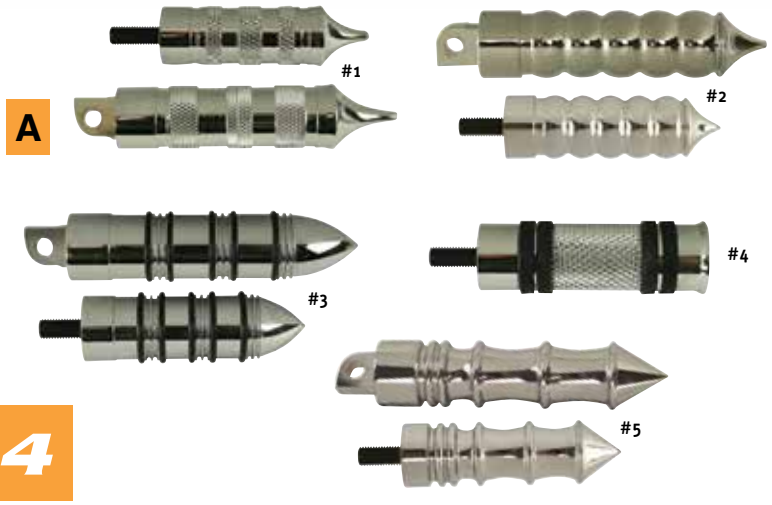
22-105

G



22-162

4



4

A. *CUSTOM FOOT & SHIFT PEGS*

Chromed billet aluminum high quality pegs.
See matching hand grips earlier in this section.

35-173	#1 style, Foot peg	SOLD AS PAIR
35-187	#1 style, Shift peg	SOLD EACH
35-175	#2 style Foot peg	SOLD AS PAIR
35-189	#2 style Shift peg	SOLD EACH
35-171	#3 style Foot peg	SOLD AS PAIR
35-185	#3 style Shift peg	SOLD EACH
35-184	#4 style Shift peg	SOLD EACH
35-174	#5 style Foot peg	SOLD AS PAIR
35-188	#5 style Shift peg	SOLD EACH

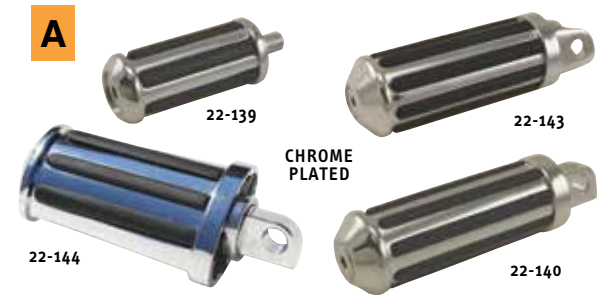


D. *CHROME PLATED BILLET GRIPS & PEGS*

High quality grips & pegs made of billet alunminum then chrome plated. All sold in pairs.

DESCRIPTION	DIMPLED	FLAMED	KNURLED SMOOTH
Hand grips.	**35-140**	**35-141**	**35-142**
Front folding pegs.	—	**22-254**	—
Rear folding pegs.	**22-251**	**22-255**	**22-259**



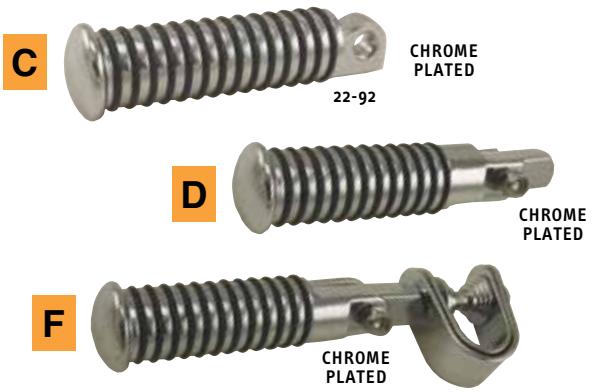


A. *RAIL FOOT PEGS*

These pegs can mount in any position and look good due to their unique design. Rubber rails run lengthwise around the peg. The rubber comes from the inside out — it is not glued or pressed on from the outside. No chance of coming loose. Die cast and chrome plated.

22-139	Shifter peg.	SOLD EACH
22-140	Passenger peg, small male mount.	SOLD AS PAIR
22-141	Passenger peg, small female mount.	SOLD AS PAIR
22-142	Driver peg, large male mount.	SOLD AS PAIR
22-143	Driver peg, large female mount.	SOLD AS PAIR
22-144	Kick arm pedal.	SOLD EACH

See Sec. 4 for Rail grips & brake pedal pad.



C. *O-RING PEGS FOR H-D®*

Fits Low Rider® stock hi-way brackets and rear brackets on FX and Sportster®.

22-92	Standard length pegs.	SOLD AS PAIR
22-93	Extended length pegs.	SOLD AS PAIR
22-3	Replacement O-rings.	SOLD AS PKG. OF 10

D. *O-RING PEGS FOR HARLEY®*

Harley® shock mount. Can be used universally.

22-90	3/8" Stud mount.	SOLD AS PAIR
22-91	1/2" Stud mount.	SOLD AS PAIR
22-3	Replacement O-rings.	SOLD AS PKG. OF 10

F. *UNIVERSAL CLAMP-ON O-RING PEGS*

Footpegs with pivot blocks and clamps.

22-72	To fit 1" diameters.	SOLD EACH

A. *PASSENGER PEGS*

Stock replacement for all FX style passenger pegs, at a cost less than the OEM mounting bracket price.

22-98 For 1971 & later Big Twins. OEM 50907-69A. SOLD AS PAIR
23-140 Footpeg supports with hardware. Fits FX late 1972 thru 1981, FXST 1984 & later, and FXR 1983 & later. Replaces OEM 50900-72T.

B. *MATCHING CHROME FOOT & SHIFTER/BRAKE PEGS*

Matching Foot & Shifter/brake pegs

22-266 Footpeg, chrome w/male mount. SOLD AS PAIR
22-267 Shifter/brake peg, chrome with 5/16-18 buttonhead bolt included. SOLD EACH

22-269 Shifter/brake peg, Railroad Spike chrome with 5/16-18 buttonhead bolt included. SOLD EACH

C. *CUSTOM O-RING PEGS*

Replacement pegs for driver and passenger.

22-78 For H.D. 74" & Sportster®. SOLD AS PAIR
22-77 For FXR 1982 & later. SOLD AS PAIR
22-1 Replacement O-rings. SOLD AS PKG. OF 10

D. *REAR FOOTPEG SETS FOR SPORTSTER®*

Passenger footpeg/mounting bracket sets for Sportster® 1983 & later. Chrome plated rear footpeg mounting bracket available separately or with choice of rubber or O-ring passenger footpegs.

23-130 Rubber passenger footpeg/mounting bracket set. SOLD AS PAIR
23-131 O-Ring passenger footpeg/mounting bracket set.
23-132 Mounting brackets only.

E. *O-RING STYLE HIGHWAY PEGS WITH BRACKETS*

23-125 For Sportster® 1952 thru 1981. SOLD AS KIT
22-3 Replacement O-rings. SOLD AS PKG. OF 10

F. *FOOT REST RUBBERS*

Rubber only.

22-46 OEM 50940-52. SOLD EACH
22-114 Fits all FXR 1982 & later. OEM 50646-82.

G. *RUBBER INSERT FOOTRESTS*

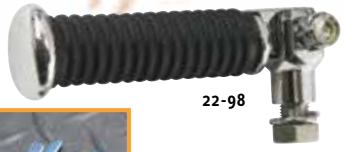
Chrome die cast footrests with black rubber inserts. Complete with 1" & 1-1/4" clamp set.

22-121 Rubber insert footrests. SOLD AS PAIR

H. *FOOTRESTS WITH WING DESIGN*

Clamp type footrest with wing design. Chrome plated. Complete with 1" and 1-1/4" clamp set.

22-122 Footrests with wing design. SOLD AS PAIR

A

22-98
CHROME PLATED

23-140

B

22-266

22-269

22-267

4

C

22-77 CHROME PLATED

22-78

D

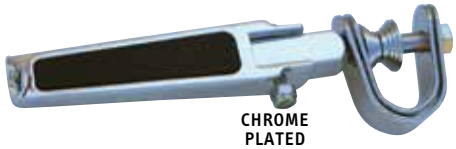
CHROME PLATED
23-130

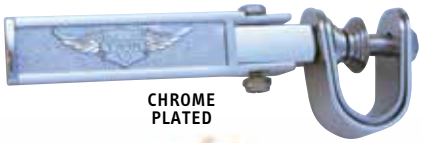
23-131

CHROME PLATED
E


F

22-46 BLACK RUBBER
22-114

G

CHROME PLATED

H

CHROME PLATED

A. *SPLIT RUBBER ANTI-VIBE FOOT PEGS*

Our chrome plated anti-vibe foot pegs isolate the vibration common on Harleys® by the design of hollow-core rubber inserts. The three types of mounts allow the pegs to be used on early or late model motorcycles. Also, the mounting ends are interchangeable.

22-126	Shifter peg.	SOLD EACH
22-127	Passenger peg with small male mount.	SOLD AS PAIR
22-128	Passenger peg with small female mount (5/8").	SOLD AS PAIR
22-129	Driver peg with large male mount.	SOLD AS PAIR
22-130	Driver peg with large female mount.	SOLD AS PAIR
22-115	Extended Shifter peg	SOLD EACH

Pegs for various mounting applications.

22-136	Peg with 1/2" stud mount.	SOLD AS PAIR
22-137	Peg with 3/8" stud mount.	
22-138	Fits 1" & 1-1/4" diameters. Clamp type.	

Replacement rubbers for above anti-vibe pegs.

22-148	Rubbers for small foot peg.	SOLD AS SET OF 8
22-149	Rubbers for large foot peg.	SOLD AS SET OF 8
22-150	Rubbers for shift peg.	SOLD AS SET OF 3

Mounts for our solid face "Live to Ride" anti-vibe, rail style and A/C billet pegs.

22-145	Large female mount.	SOLD AS PAIR
22-146	5/8" Female mount.	
22-147	Male mount.	

B. *DIAMOND FOOT PEGS*

Diamond pegs and shifter are the same high quality as our rail style pegs. Interchangeable mounting ends. Chrome plating is top notch for show-winning appeal.

22-151	Shifter peg.	SOLD EACH
22-152	Passenger peg, small male mount.	SOLD AS PAIR
22-153	Passenger peg, small (5/8") female mount.	SOLD AS PAIR
22-154	Driver peg, large male mount.	SOLD AS PAIR
22-155	Driver peg, large female mount.	SOLD AS PAIR

See Sec. 4 for Diamond grips & brake pedal pad.

A

22-128

22-127

22-130

CHROME PLATED

22-126

22-136

22-129

22-150

22-138

22-146

22-145

22-147

22-148

22-149

ALL MOUNTS CHROME PLATED

B

CHROME PLATED

22-151

22-154

22-152

A. *TORNADO II FOOT PEGS*

SOLD AS PAIR

22-270 Chrome front rider pegs. 6" long, 3/8-16 thread.
22-271 Black front rider pegs. 6" long, 3/8-16 thread.
22-272 Chrome rear passenger pegs. 1/2-13 thread.
22-273 Black rear passenger pegs. 1/2-13 thread.

SOLD AS SET

22-275 Chrome shifter & brake pegs. 5/16-18 thread.
22-276 Black shifter & brake pegs. 5/16-18 thread.
22-277 Black & Bronze shifter & brake pegs. 5/16-18 thread.

B. *LONE STAR FOOT PEGS*

SOLD AS PAIR

22-278 Chrome front rider pegs. 6" long, 3/8-16 thread.
22-279 Black front rider pegs. 6" long, 3/8-16 thread.
22-280 Chrome rear passenger pegs. 1/2-13 thread.
22-281 Black rear passenger pegs. 1/2-13 thread.

SOLD AS SET

22-282 Chrome shifter & brake pegs. 5/16-18 thread.
22-283 Black shifter & brake pegs. 5/16-18 thread.



4

C. *FOOT PEG MOUNTING SHOULDER BOLTS NUT KITS*

Custom shoulder bolts & locknuts to mount driver & passenger pegs.

123-15 Fits FX & XL driver and FL passenger 1952 & later. OEM 50970-52. SOLD AS KIT
123-14 Fits FX & XL passenger 1969 & later. OEM 4721.

C

CHROME PLATED



D. *HIGHWAY FOOTPEG MOUNTING KIT*

These mounting brackets enable any set of male footpegs to be mounted into the lower front engine mounts forward of the driver pegs.

23-141 Fits Sportster® late 1984 & later. Replaces OEM 49159-88T. SOLD AS KIT

COLONY

D



CHROME PLATED

E. *ORIGINAL H-D® STYLE FLOORBOARD BRACKET KITS*

If you no longer have the stock mounting brackets, these replacement bracket kits are just what you need.

123-7 Bracket kit for aluminum primary. SOLD AS KIT
123-8 Bracket kit for steel ("tin") primary.

F. *FLOORBOARD HINGE AND FOOTREST BOLT KITS*

Cad plated reproduction of special shoulder bolts, pins and bushings to mount floorboards and buddy footrests.

123-22 Bolt kit. Fits 1941 thru 1981. SOLD AS KIT
123-23 Bolt kit. Fits floorboards and buddy foot-rests 1941 thru 1964.
123-28 Bolt kit. Fits 1982 & later FL & FX with floorboards.

E





F



A

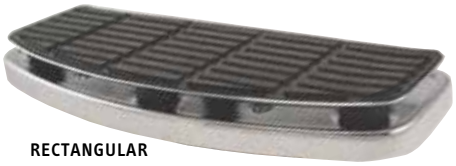


A. *ADJUSTABLE FLOORBOARDS*

Oval style floorboards are adjustable front to back as well as height and angle. They will fit Softail® 1984 & later except Fat Boy®, Heritage Softail® and FXWG 1980 thru 1986.

123-18 Anti-vibration adjustable floorboards. SOLD AS KIT
123-19 Standard adjustable floorboards.

B



CHROME
PLATED



B. *H-D® STYLE FLOORBOARDS*

THREE STYLES TO CHOOSE FROM

EARLY STYLE MOUNTS

Fits 1940 thru 1984 4 speed models.

123-5 Solid oval floorboards. Replaces OEM 50603-40. SOLD AS PAIR
123-4 Anti-vibe oval floorboards.
123-10 Anti-vibe rectangular floorboards. Replaces OEM 50603-74TA.

LATE STYLE MOUNTS

Fits 1980 & later 5 speed FL, Softail®, Road King® & FLT.

123-20 Solid oval floorboards. SOLD AS PAIR
123-21 Anti-vibe oval floorboards. Replaces OEM 50599-89T.
123-29 Anti-vibe rectangular floorboards. Replaces OEM 50621-79A.

REPLACEMENT PARTS

123-6 Oval replacement rubber pads. SOLD AS PAIR
123-11 Rectangular replacement rubber pads. OEM 50614-66T.
123-12 Anti-vibe bumpers. OEM 50620-74. SOLD AS SET OF EIGHT

C



C. *PASSENGER FLOORBOARDS*

Beautifully designed with black rubber insert. Bolts to existing foot peg mounts.

123-13 Fits all XL & FL models. SOLD AS PAIR

D



D. *PASSENGER FLOORBOARDS*

Chrome passenger floorboards for FLT models 1986-up.

123-39 Passenger floorboards, Rail. SOLD AS SET

E



E. *UNIVERSAL MINI FLOORBOARD KIT*

Can be used as passenger or driver floorboards on bikes with clevis style mounting brackets.

123-27 SOLD AS KIT

F



F. *FRAME MOUNT RIDER PEG BRACKET FOR SPORTSTER®*

23-108 Fits Sportster® 1954 thru 1978 stock swing arm only. SOLD EACH

A. *SPEEDOMETER DRIVE UNITS* SOLD EACH

57-90 Fits XL & FX, with 19" front wheels, 1973 thru 1983, and FXR 1982 & 1983. 2:1 Ratio speedometer. OEM 67127-73.
57-91 6T, Fits 1980 FX models (except FXWG), equipped with 85 mph speedometer. OEM 67124-80.
57-127 Fits FLT & FLHT, 1982 thru 1986 and FL 1981 thru 1984 4 speed. OEM 67073-81.
57-126 Fits FXR, FXD & Sportster® with 19" wheel, 1984 thru 1995. OEM 67127-84A.
57-125 Fits FXST, FXSTC, FXDWG and FXWG 4 speed with 21" wheel, 1984 thru 1995. OEM 67120-84B.
57-122 Fits FLT & FLHT, 1987 thru 1995. OEM 67073-87A.
57-123 Fits FXLR 1987 thru 1994. OEM 67132-85A.
57-124 Fits FLSTF & FLSTC, 1986 thru 1995. OEM 67125-86A.

A

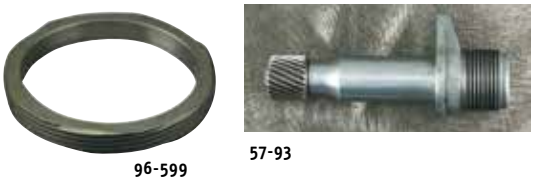


4

B. *SPEEDOMETER DRIVE & GEAR FOR BIG TWIN 12MM*

57-93 Fits FL & FLH 1969 thru 1980, FX 1971 & 1972 and FXWG 1980 thru 1983. OEM 67130-69. 23 Tooth. SOLD EACH
57-95 Fits Big Twin 1941 thru early 1961. OEM 67130-36. 11 Tooth.
96-599 4-speed Speedo Drive gear for 1969-1980 speedo gear, 7T. OEM 35635-69.

B



C. *FRONT WHEEL SPEEDO DRIVE COVERS*

ALL PARTS CHROME PLATED

89-353 Fits Dyna Wide Glide®, Softail®, & FXWG, 4 speed models, 1984 thru 1995, and FLT, FLHT,and FLHS, 1987 & later. SOLD EACH
89-354 Fits Dyna Glide®, FX, FXR, and Sportster®, 1984 thru 1994, with 35mm and 39mm fork tubes.
89-458 Fits FX, FXR, & Sportster® (except XR1000), 1973 thru 1983, with 35mm fork tubes, FL 4 speed 1981 thru 1984, and FLT & FLHT, 1982 thru 1986.

C



D. *LATE STYLE SPEEDOMETERS WITH 2240:60 RATIO*

This speedometer is for FXWG & Softail® models, 1984 thru 1990 with front wheel speedo drive unit.

57-167 Speedo with OEM style face. OEM 67027-81C. SOLD EACH

Fits Softail® models 1991 thru 1995 with front wheel speedo drive unit and self-cancelling turn signals.

57-168 Speedo with OEM style face. OEM 67027-91A. SOLD EACH

D



See chrome dash and speedo kit..

E. *48MM & 60MM SPEEDOMETERS*

Features:

- Easy push button recalibration
- LED illuminated face
- Polished stainless housing and bezel
- LCD odometer with resettable trip meter.
- Mechanical and electronic styles available.
- 60mm speedometers come with handlebar clamp.
- All sizes and ratios have 140 mph faces.

48MM ELECTRONIC SPEEDOMETER (FITS 95'-06' HD)

57-336 White face SOLD EACH
57-337 Black face

E





A



B



57-100

C



D



E



A. *CUSTOM MINI GAUGES*

Custom speedometer and tachometer gauges with a polished stainless bezel and chrome housing. Comes complete with chrome mount, and 12V dial light.

57-130 1:1 Ratio speedometer. Fits FX 1971 & 1972, FL 1968 thru 1980, and FXWG 1980 thru 1983 with transmission drives. **SOLD EACH**

57-131 2:1 Ratio speedometer. Fits Sportster®, FX & FXR, 1973 thru 1990 with front wheel drive, Sportster® 1954 thru 1972, and FL 1947 thru 1967 when using transmission speedometer drive. **NOTE:** Can be used on 1991 & later models if self-canceling turn signals are not used.

57-133 Electronic tachometer.
NOTE: Use clamp part No. **66-94** on page 4-59 12mm cable

B. *ELECTRONIC SPEEDO/TACH*

Speedo/tach combo meter, OEM#74461-03A. Fits 95-03 FLHR and 00-03 Softail® (except FXSTD).

57-1 Black MPH electronic Speedo. **SOLD EACH**

C. *COMBINATION SPEEDO/TACH*

The combination 120 mph speedometer & 7000 rpm, solid-state tachometer for H-D® with large dash, 1947 & later, in 2:1 ratio or 1:1 ratio. Tach shows engine speed the same way as the original FX equipment model, by reading coil output.

2:1 Ratio unit works with OEM transmission speedo drive units on 1947 thru 1967 FL and late model front wheel speedo drive applications. 16MM nut.

57-100 2:1 Ratio speedo/tach. **SOLD EACH**
1:1 Ratio unit works with FL, FX & FXWG, 1968 & later with transmission drive units.

57-99 1:1 Ratio speedo/tach. **SOLD EACH**

D. *VDO ELECTRONIC PROGRAMMABLE SPEEDOMETERS*

When you're building a real custom, you want the best. Electric, programmable speedos can be used with stock transmission pick-up or with our custom transmission pickup (part No. **57-205**) or custom rear wheel set up. Easy to mount. State-or-the-art and includes complete instructions.

DIAMETER / MPH	VISION SERIES	COCKPIT WHITE FACE	COCKPIT BLACK FACE
4" Diameter, 120 MPH.	**57-200**	—	—
3-3/8" Diameter, 120 MPH.	**57-201**	**57-203**	**57-208**

SOLD EACH

E. *PRO-MAX DIGITAL SPEEDO/TACH*

This new design digital Speedo has a bar graph tach built in, display indicators: H/beam light, neutral/ gear indicator light, oil pressure light, turn signals, digital odometer & trip meter functions. Beautiful custom designed chromed billet aluminum housing which mounts easily to any handle bar. Measures 110mm (L) x 57mm (H) x 38mm (W).

Note: Applicable sending unit/adapter and mounting bracket not included.

57-192 Pro-Max digital speedo/tach. **SOLD EACH**

A. *SPEEDOMETERS FOR FAT BOB® STYLE DASH*

NOTE: The exact face colors & numbers may vary with availability from manufacturer. Ratio will be correct. 5/8 x 18 nut.

2:1 RATIO SPEEDOMETERS

These speedometers are for FL 1947 thru 1967. They can also be installed on late FX with stock front wheel speedo drive unit (OEM 67127-73), when using our cable part No. **48-121**.

57-71 Speedo with 1960 style numbers. SOLD EACH
57-82 Speedo with 1950 style numbers.
57-94 Speedo with late style numbers.

1:1 RATIO SPEEDOMETERS

For use on FX, FXWG & FL, 1968 & later, with speedometer drive units mounted on the transmission.

57-88 Speedo with 1950 style numbers. OEM 67004-53. SOLD EACH
57-89 Speedo with 1960 style numbers.
57-92 Speedo with late style numbers. OEM 67004-68

SPEEDOMETER RESET KNOBS FOR H-D®

57-96 Knob & screw set. Fits all models Big Twin with large tank mounted speedo, 1968 thru 1989 and all import speedometers. OEM 67215-68 and 67217-68. SOLD AS SET

57-284 Knob & screw set. Fits Softail® 1990 thru 1995. How many of these little #@*&! have you lost going down the highway? At least two! This rubber reset button dust-and-water-proof boot is internally threaded.

57-265 Dust boot. Replaces OEM 67880-94. SOLD EACH



1950 MODEL STYLE NUMBERS



1960 MODEL STYLE NUMBERS



LATE MODEL STYLE NUMBERS

4



57-265



57-96 CHROME PLATED

B. *ELECTRONIC SPEEDO FOR SOFTAIL®*

Electric speedometers for 1996-up Softails®.

53-196 Speedometer, fits 96'-99' Softails®, SOLD EACH
OEM#67027-99 / 67027-96A / 67027-96;
FLHR Road King, OEM#67027-99.



TRANSMISSION PICKUP

C. *RPM "PILL" KITS*

SOLD AS KIT

These RPM "Pill" kits are needed for Shift-Lites.

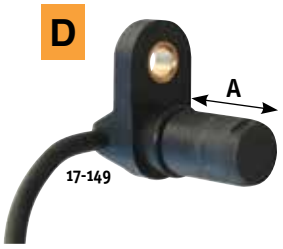
57-116 8000 RPM "Pill" kit: (80, 82, 84, 86, 88 x 100 rpm).



D. *SPEEDOMETER SENSORS*

Used to send electronic pulses to the speedometer from 5 & 6 speed transmissions. A = protrusion depth

17-149	Speed sensor, OEM 74402-95B	A = 1.190"	SOLD EACH
17-150	Speed sensor, OEM 74420-94C	A = 0.810"	SOLD EACH
17-151	Speed sensor, OEM 74437-96	A = 0.810"	SOLD EACH





E. *ULTIMA® SPEEDOMETER RECALIBRATION MODULE* NEW!

A speedometer recalibration module is required when changing the gearing or tire size on a motorcycle that doesn't have a programmable speedometer. This module adjusts the output of the speedometer sensor so that the speedometer registers the correct MPH.

★17-152 Speedometer recalibration module SOLD EACH



A



B



SENDING UNIT
FOR CABLE DRIVE

A. *CUSTOM SPEEDOMETER PICKUPS*

These are the matching parts for our electronic VDO speedometers. These kits include custom billet housings for the Hall Effect Sensor wiring harness with molex connectors, and a solid state connector board for the speedo connection. Rear unit mounts to rear axle spacer and counts the bolt heads on your pulley or sprocket. Run any size wheel you want. These kits are high quality and really simplify the installation of the VDO speedos.

57-205 Transmission speedo pickup kit for VDO electronic programmable speedos. SOLD AS KIT

B. *DAKOTA DIGITAL SENDING UNIT*

The cable adapter accepts a 5/8" thread fitting and can be mounted in a concealed location. Cycles that have a metric-threaded speedometer cable will need to have the cable modified or replaced.

57-182 Sending unit for Dakota Digital HLY-5000 SOLD EACH

C. *PRO-LOCK™ MOUNTS FOR AUTO METER GAUGES*

C







Polished aluminum bracket with centers 3-1/2" mounts on riser mount with stock H-D® type riser.

3-3/8" & 5" SINGLE GAUGE	2-5/8" DUAL GAUGES	3-3/8" DUAL GAUGES	SOLD EACH
N/A	N/A	**57-307**	Bracket with 30° angle for straight H-D® style risers.
N/A	**57-304**	N\A	Bracket for 1" diameter drag bars with built-in risers.
N/A	**57-306**	**57-231**	Bracket for 1-1/2" diameter drag bars with built-in risers.

D





89-286



89-284

D. *SPEEDO & TACH COVERS AND BRACKETS FOR H-D®*

Mounting brackets for both speedo & tach or speedo only, and bottom cover for either speedo or tach, for Sportster® 1984 & later.

89-284 Speedo & tach mounting bracket. Chrome. OEM 67110-83. SOLD EACH

89-285 Speedo mounting bracket. For 1983 thru 1985. Chrome. OEM 67053-83.

89-286 Speedo & tach bottom cover. Chrome. Also fits FXR 1984 & later.

A. TURN SIGNAL INTERFERENCE MODULE

This unit allows 3-3/8", and 2-1/16" speedometers to work with automatic turn signal cancel modules. It's easy to hook up and use.

57-261 TSI-1 module. SOLD EACH

B. *DAKOTA DIGITAL BAR-MOUNT SYSTEM FOR SPEEDOMETER AND TACH*

MOUNT TYPE SOLD EACH
57-242 1" Riser mount.

HLY-5000 SENDING UNITS MUST BE ORDERED SEPARATELY.

C. *DAKOTA DIGITAL INSTRUMENTATION FOR H-D® DRESSERS*

THE LATEST IN MICROPROCESSOR AND DISPLAY TECHNOLOGY

CYLINDER HEAD TEMPERATURE GAUGE: Range: User selectable 150 - 750°F or 65 - 400°C. Resolution: 4°F or 3°C. SOLD EACH
57-256 Cylinder head temperature sender (required).

ENGINE MONITORING READOUTS

Individual instruments have exclusive user adjustable warning features that allows reading to flash when outside normal operating limits are reached. Mounts in 2-1/16" opening.

OIL TEMPERATURE GAUGE: Range: User selectable 0 - 400°F or 0 - 200°C. Resolution: 1 degree.
57-252 Oil temperature gauge, Fahrenheit or Celsius. SOLD EACH

HLY-3000 SENDING UNITS MUST BE ORDERED SEPARATELY

D. *WIRE PLUS MOUNTING CLAMPS*

Mounting brackets required for bar mount applications.
57-314 Clamp for 1-1/2" handlebars. SOLD EACH

E. *DASH COVER MOUNTING CENTER SCREW & STUD KIT*

This kit features a chrome plated center screw without choke cable hole. In addition to the perfectly reproduced center screw, this kit includes the center stud and locknut which are cadmium plated as original. Fits all H-D® Twins 1947 and later.
21-116 Complete kit. SOLD AS KIT

F. *GAUGE HOUSING SCREWS FOR SUPER GLIDE® GAUGE HOUSING*

Fits our part No. **89-111** dash found on page 4-77, OEM, and all Low Rider® dash panels.
89-149 Dash screw set with 4 screws in kit. Chrome plated. SOLD AS KIT

G. *GAUGE HOUSING BRACKET KIT FOR SUPER GLIDE® GAUGE HOUSING*

Dash bracket kit includes all necessary parts for proper installation.
57-78 Kit is used when installing Fat Bob® tanks on H-D® 74" & 80" and with Super Glide® style gauges used with OEM or our part No. **89-111** dash found on page 4-77. SOLD AS KIT

B



57-242

Dakota Digital

C



ALL GAUGES WITH CHROME BEZELS

MACHINED ALUMINUM HOUSINGS

4

D



WIRE PLUS

CLAMP MOUNT BRACKET

E



F



G











ALL PARTS CHROME PLATED EXCEPT 21-132 & 18-102















A. *SPEEDOMETER DAMPENER*

Die cut rubber dampener to help eliminate vibration so speedometer is easier to read and will last longer. Fits FL style speedometer with cast dash on Big Twin 1968 & later.

57-136 Rubber speedo dampener. SOLD EACH

B. *INDICATOR LAMPS*

These 3/8" diameter one-piece indicator lights are perfect for custom or stock applications. They're used on many 1984 thru 1993 models. 6" long leads.

8-157 Red. Replaces OEM 68489-86. SOLD EACH
8-158 Amber. Replaces OEM 67864-86.
8-159 Green. Replaces OEM 68574-86.
8-160 Blue. Replaces OEM 67862-86.
8-161 Replacement clip. OEM 68608-83.

C. *FX SPEEDO, TACH & RELATED PARTS*

57-85 120 MPH speedometer for Super Glide® 1972 thru 1978. OEM 67020-73. SOLD EACH
57-86 Tachometer. Super Glide® 1978 & later. OEM 92042-78A.
89-111 Housing. Fits 1977 & later FXS, FXEF, FXB, or any motorcycle using Fat Bob® tanks & Super Glide® gauges. OEM 71301-77.
21-132 Bottom trim. Rubber. Covers unsightly gap.
18-102 Hi-beam indicator lamp. Fits OEM or our part No. **89-111** dash. OEM 67891-68.
57-77 Reset cable and knob. Fits OEM or our part No. **89-111** dash. OEM 67210-73.

D *CHROME DASH & SPEEDOMETER KIT WITH 2240:60 RATIO*

2240:60 Ratio for front wheel drive speedometer for all models with Fat Bob® tanks 1984 thru 1990, with self canceling turn signals. Includes 1989 & later speedo face, cast dash, lenses, rubber trim, hardware, ignition switch and base plate with fixed light sockets.

57-186 Chrome dash & speedo kit; 2240:60. SOLD AS KIT

COMPLETE DASH KITS

E. *TWO LIGHT STYLE*

Complete kit includes: part No. **89-110** chrome plated two light dash, part No. **86-49** two light dash red lens, part No. **21-130** two light dash mounting plate with dash bolt kit, part No. **89-233** rubber dash cover trim, light sockets, speedometer and part No. **17-45** ignition switch with both early & late model caps.

57-101 Complete two light dash kit; 2:1. SOLD AS KIT
57-103 Complete two light dash kit; 1:1.
89-110 Two light dash (lenses included). SOLD EACH
21-130 Two light dash mounting plate with circuit breaker mounts, wiring & sockets included. Fits above part No.**89-110** dash. SOLD AS KIT
86-49 Two light dash red lens. Fits above part No. **89-110** dash. SOLD EACH
89-233 Rubber dash trim. SOLD EACH
6-55 Instrument light Hi-Lo. OEM 68462-64. SOLD EACH

COMPLETE DASH KITS

A. CATEYE STYLE

Complete kit includes: part No. **89-129** chrome plated cateye dash, part No. **21-129** cateye dash mounting plate with hardware and light sockets, part No. **89-233** rubber dash cover trim, speedometer and part No. **17-45** ignition switch.

57-129	Complete cateye dash kit; 2:1.	SOLD AS KIT
89-129	Cateye dash (lenses included).	SOLD EACH
21-129	Cateye mounting plate. For custom Fat Bob® style tanks or 1947 & later H-D® tanks. Fits part No. **89-129** dash cover. Includes wiring & sockets.	SOLD AS KIT
86-47	Cateye lens. Red.	SOLD EACH
89-233	Rubber dash trim.	SOLD EACH
17-57	Dimmer switch knob. OEM 71600-39.	SOLD EACH

B. THREE LIGHT STYLE

Complete kit includes; part No. **89-91** chrome plated three light dash, part No. **21-115** three light dash mounting plate with hardware and light sockets, part No. **89-233** rubber dash cover trim, speedometer and part No. **17-45** ignition switch.

57-128	Complete three light dash kit; 2:1.	SOLD AS KIT
89-91	Three light dash (lenses included).	SOLD EACH
89-610	Three light dash cover only. For XL electronic speedo.	SOLD EACH
21-115	Three light dash mounting plate. Fits part No. **89-91** dash. Includes wiring & sockets.	SOLD AS KIT
86-99	Replacement lens kit. Includes two red lenses & one blue lens.	SOLD AS KIT
89-233	Rubber trim.	SOLD EACH

C. '68 / '90 STYLE

Complete kit includes part No. **89-281** dash, mounting plate with hardware and light sockets, part No. **17-45** ignition switch and late style speedometer. This kit fits all Fat Bob® style tanks except Dyna Wide Glide® and bikes equipped with self-canceling turn signals. 16mm nut.

57-119	Complete late dash kit; 2:1.	SOLD AS KIT
57-120	Complete late dash kit; 1:1.	SOLD AS KIT
89-281	Die cast chrome FLH style dash with lenses and switch trim for 1968 thru 1990. OEM 71241-68B.	SOLD EACH
86-102	Indicator lens & hardware only. Best quality with fixed metal bulb sockets.	SOLD AS KIT
21-260	Late dash mounting plate with hardware and light sockets.	SOLD AS KIT

D. DASH KIT *1996 THRU 1999*

Complete kit includes parts needed to mount late OEM electronic speedometer or Dakota Digital LED speedo.

Please Note: Speedometers not included.

57-212	Dash kit for 1996 thru 1999. Includes all parts listed below.	SOLD AS KIT
89-470	Die cast chrome dash with lens, switch trim & rubber base trim. Replaces OEM 71254-96.	SOLD EACH
89-415	Rubber base trim — both sides.	SOLD AS SET
86-119	Dash lens, OEM 71146-96.	SOLD EACH
57-213	Speedometer back clamp, OEM 67271-94.	SOLD EACH
57-214	S-bracket; mounts dash to frame. OEM 67260-96.	SOLD EACH
57-215	Rubber seal for speedo. OEM 67190-89.	SOLD EACH
57-216	Switch trim plate, OEM 71302-93.	SOLD EACH
17-115	Ignition switch for 1996 & later. OEM 71313-96.	SOLD EACH
57-217	Indicator lamp socket, OEM 67184-94.	SOLD AS KIT

A



CHROME PLATED

CATEYE



21-129



89-129

4

B



THREE LIGHT

CHROME PLATED



21-115



89-610

C





89-281

'68 / '90 STYLE



D



UNIVERSAL BRAKE LINE PROGRAM

Midwest offers a complete custom brake line program for the builder that wants to fabricate his own lines. **Midwest brake line meets D.O.T.specification FMVSS-106 — approved for street use — 50 state legal.**
High performance #3 **stainless steel** braided hose gives you the custom look you want with the performance feel you demand. Lines incorporate an inner liner and chrome plated or black female swivel fitting to be used with the listed reusable adapter fittings. All Midwest brake hoses are **clear covered** to keep braid from scratching finishes. Top quality hose and fittings are attractively packaged to make these parts fly off the shelf. And a budget price tops off the complete program!
Available in stainless steel or black stainless.





ALL PARTS SOLD EACH EXCEPT AS NOTED

BRAKE LINE PROGRAM

S.STEEL	BLACK	
49-400	49-100	9" Straight #3 x straight #3 assy.
49-495	—	10" Univ. DOT Brake Line
49-496	49-101	11" Univ. DOT Brake Line
49-401	49-102	12" Straight #3 x straight #3 assy.
49-497	—	13" Univ. DOT Brake Line
49-498	49-103	14" Univ. DOT Brake Line
49-402	49-104	15" Straight #3 x straight #3 assy.
49-499	49-105	16" Univ. DOT Brake Line
49-403	49-106	17" Straight #3 x straight #3 assy.
49-404	49-107	18" Straight #3 x straight #3 assy.
49-405	49-108	19" Straight #3 x straight #3 assy.
49-500	49-109	20" Univ. DOT Brake Line
49-406	49-110	21" Straight #3 x straight #3 assy.
49-501	—	22" Univ. DOT Brake Line
49-407	49-111	23" Straight #3 x straight #3 assy.
49-502	49-112	24" Univ. DOT Brake Line
49-408	—	25" Straight #3 x straight #3 assy.
49-409	49-113	26" Straight #3 x straight #3 assy.
49-503	—	27" Univ. DOT Brake Line
49-410	49-114	28" Straight #3 x straight #3 assy.
49-411	49-115	30" Straight #3 x straight #3 assy.
49-412	49-116	32" Straight #3 x straight #3 assy.
49-413	49-117	34" Straight #3 x straight #3 assy.
49-504	—	35" Univ. DOT Brake Line
49-505	49-118	36" Univ. DOT Brake Line
49-414	49-119	38" Straight #3 x straight #3 assy.
49-415	49-120	40" Straight #3 x straight #3 assy.
49-416	49-121	42" Straight #3 x straight #3 assy.
49-417	—	43" Straight #3 x straight #3 assy.
49-418	49-122	44" Straight #3 x straight #3 assy.
49-419	—	45" Straight #3 x straight #3 assy.
49-506	49-123	46" Univ. DOT Brake Line
49-420	49-124	47" Straight #3 x straight #3 assy.
49-507	—	48" Univ. DOT Brake Line
49-421	49-128	50" Straight #3 x straight #3 assy.
49-422	49-132	52" Straight #3 x straight #3 assy.
—	49-133	53" Univ. DOT Brake Line
49-423	49-134	54" Straight #3 x straight #3 assy.
49-424	—	56" Straight #3 x straight #3 assy.
49-425	49-135	58" Straight #3 x straight #3 assy.
49-426	49-136	60" Straight #3 x straight #3 assy.
49-508	—	61" Univ. DOT Brake Line
49-427	49-145	62" Straight #3 x straight #3 assy.
—	49-153	63" Univ. DOT Brake Line
49-428	—	64" Straight #3 x straight #3 assy.
49-429	—	66" Straight #3 x straight #3 assy.
—	49-158	67" Univ. DOT Brake Line
49-509	49-161	68" Univ. DOT Brake Line
49-510	—	69" Univ. DOT Brake Line
49-511	49-167	70" Univ. DOT Brake Line
49-512	—	71" Univ. DOT Brake Line
49-513	—	72" Univ. DOT Brake Line
—	49-172	73" Univ. DOT Brake Line
49-514	49-178	74" Univ. DOT Brake Line
49-515	—	76" Univ. DOT Brake Line
49-516	—	78" Univ. DOT Brake Line
49-517	—	80" Univ. DOT Brake Line

ALL MIDWEST UNIVERSAL BRAKE LINES ARE STAINLESS STEEL AND CLEAR COATED.

UNIVERSAL BRAKE LINE PROGRAM

Midwest offers a complete custom brake line program for the builder that wants to fabricate his own lines. Midwest brake line meets D.O.T. specification FMVSS-106 — approved for street use — 50 state legal. High performance #3 stainless braided hose gives you the custom look you want with the performance feel you demand. Lines incorporate an inner liner and chrome plated female swivel fitting to be used with the listed reusable adapter fittings. All Midwest brake hoses are clear covered to keep braid from scratching finishes. Top quality hose and fittings are attractively packaged to make these parts fly off the shelf. And a budget price tops off the complete program!

CHROME		BLACK
BANJO FITTINGS		
21-403	10mm Banjo x #3 male straight.	**21-426**
21-404	10mm Banjo x #3 male 35°.	**21-431**
21-406	10mm Banjo x #3 male 90°	**21-448**
90-699	10mm Single banjo 3/8 - 24.	**21-464**
90-744	Double banjo with crush washers 3/8 - 24.	
90-743	Banjo with crush washers 7/16 - 24.	**21-465**
21-407	12mm Banjo x #3 male straight.	**21-427**
21-420	12mm Banjo x #3 male 35°.	**21-447**
21-408	12mm Banjo x #3 male 90°.	**21-449**
90-938	Rear brake banjo #3 x 90° short.	
90-968	Rear banjo, 1/8" NPT 35°.	
21-435	Rear brake tee #3 male with 1/8" NPT female.	
90-940	Male junction block #3 Front Wide Glide®.	
90-941	Male junction block #3 Front Narrow Glide®.	
21-419	Brake switch banjo bolt.	
ADAPTER FITTINGS		
21-409	#3 x 1/8" male NPT straight.	
21-410	#3 Male x 1/8" male NPT 90°.	
21-415	#3 Male x 1/8" male NPT 45°.	
21-416	#3 Male tee.	
21-428	Universal front brake tee 3/8 - 24.	
21-418	#3 Male x 3/8 - 24 inverted flare male straight (card of two).	**21-463**
21-434	#3 Inverted flare 3/8 - 24 90° to 120°.	**21-460**
21-436	#3 Flare union for rear calipers.	
90-936	Banjo bolt adapter.	
	Tube adapter 60°.	**21-459**
BENT TUBE FITTINGS		
21-411	H-D® 3/8 - 24 inverted flare male x #3 male 45°.	**21-458**
21-412	H-D® 3/8 - 24 inverted flare male x #3 male 90° short.	**21-461**
21-413	H-D® 3/8 - 24 inverted flare male x #3 male 90° long.	**21-462**
21-414	H-D® 3/8 - 24 inverted flare male x #3 male 150°.	**21-457**



ATTRACTIVELY PACKAGED CLAMSHELL FOR DISPLAY


90-936


90-940


90-941



SEE SECTION 8 FOR MATCHING CROSSOVER FUEL LINES & PRE-ASSEMBLED OIL LINES

CUSTOM BRAKE LINE KITS

Midwest offers complete custom brake line kits for the easy for the shop to stock. Midwest brake line meets D.O.T. specification FMVSS-106 — approved for street use — 50 state legal. High performance #3 stainless braided hose gives you the custom look you want with the performance feel you demand. Lines incorporate an inner liner and chrome plated fittings. All Midwest brake hoses are clear covered to keep braid from scratching finishes. Top quality hose and fittings are attractively packaged to make these parts fly off the shelf. And a budget price tops off the complete program!

SOLD AS KIT

BRAKE LINE KITS

SPORTSTER® FRONT 1988/08

MODEL	YEAR	MIDWEST#
XL50	2007	**47-506**
XL883	2004-09	**47-507**
XL883L / XL1200L	2005-09	**47-508**
XLH Standard 86-03	1986-03	**41-653**
XLH883 Deluxe	1986-91	**41-653**
XLH883 Hugger	1996-03	**41-653**
XLH883C	1996-03	**41-653**
XLH1200 / XL 1200C	1996-03	**41-653**
XLH1200 / XL 1200C	1988-95	**41-495**

SPORTSTER® TRI FRONT 1996/08

MODEL	YEAR	MIDWEST#
XL1200S	1996-03	**41-655**
XL1200R / XL883R	2004-09	**47-509**

SPORTSTER® REAR 1987/08

MODEL	YEAR	MIDWEST#
XL Models	2004-09	**47-510**
XL Models	1987-03	**41-639**

SOFTAIL® FRONTS 1984/08

MODEL	YEAR	MIDWEST#
FLST / FLTSC / FLSTF	L1986-08	**41-637**
FLSTS	1997-03	**41-636**
FLSTSC	2005-07	**47-511**
FLSTN	2005-09	**47-512**
FXST	1984-90,99-07	**41-497**
FXSTC	2007-08	**47-513**
FXSTC	1984-99	**41-497**
FXSTS	1988-06	**47-514**
FXSTB	L1998-09	**41-638**
FXSTD	2000-07	**41-497**

SOFTAIL® REARS 1987/07

MODEL	YEAR	MIDWEST#
All Models	2008-09	**47-515**
FLSTC / FLSTN / FLSTSC	2007	**47-516**
FLSTC / FLSTF / FLSTN / FLSTS	2000-06	**41-631**
FXST/ FXSTC / FXSTB	2007	**47-517**
FXST/ FXSTS / FXSTB	2000-05	**41-631**
FXSTD	2000-06	**41-631**
FXST	2000-06	**41-635**
FXSTS	2006	**41-635**
FXSTB	2006	**41-635**
FLST/C/S/F	L1987-99	**41-630**
FXST/C/B/S/SB	L1987-99	**41-632**

DYNA® FRONTS 1993/08

MODEL	YEAR	MIDWEST#
FXDWG Dyna Wide Glide®	1993-05	**47-518**
FXD/C	2000-05	**41-494**
FXDB	2006-09	**47-519**
FXDL / FXD / FXDC	2006-09	**47-520**
FXDWG	2006-08	**47-521**
FXD	1995-99	**47-522**
FXDL	1996-00	**41-498**
FXDL	2001-05	**41-492**
FXR / FXRS	1988-94	**47-523**

BRAKE LINE KITS

DYNA® TRI FRONT 1992/05

MODEL	YEAR	MIDWEST#
FXDF	2008-09	**47-524**
FXD/B/C/L/S-CON	1992-00	**41-496**
FXRS-CON	1989-93	**41-496**
FXDX	1999-05	**41-499**

DYNA® REAR 1991/08

MODEL	YEAR	MIDWEST#
FXD	2008-09	**47-525**
FXD	2000-07	**41-493**
FXD	1991-99	**47-526**

FLT / FLH TRI FRONT 1996/08

MODEL	YEAR	MIDWEST#
FLHT/C/CU	1996-07	**47-527**
FLHX	2006-07	**47-527**
FLHR/FLTR	1994-07	**41-656**
FLHRS	2004-07	**41-656**
FLHT / FLT -ALL	2008-09	**47-529**

FLH / FLT REAR 1997/07

MODEL	YEAR	MIDWEST#
FLH/FLT	1997-07	**47-530**







CLEAR COATED 308 STAINLESS STEEL #3 BRAIDED BRAKE HOSE

PTFE INNER LINER

CRIMPED-ON PLATED END FITTINGS

RUSSELL™ STREET LEGAL™ (DOT) & CYCLEFLEX® (NON-DOT) BRAKE LINE KITS FOR H-D® — FRONT AND REAR®

All kits are preassembled using a clear coated #3 hose equipped with a 308 stainless steel outer braid over a PTFE inner liner for smooth fluid transfer and a high burst strength of 15,000 PSI. End fittings are zinc plated to prevent corrosion. **NOTE: Street Legal™ Brake Line Kits marked with an asterisk * meet DOT MVSS-106 requirements and are legal in all 50 states. Unless specified, all other kits are non-DOT.** Don't forget Russell™ Stainless steel brake line fittings and programs in this section!

YEAR	MODEL	HOSE PER FRONT KIT	FRONT KIT PART NO.	FRONT KIT OEM NO.	HOSE PER REAR KIT	REAR KIT PART NO.	REAR KIT OEM NO.
XL Models							
2004/2007	XL 883 Standard	1	—		1	**49-349**	
1987/1995	XLX 883 Hugger®.	1	—	45121-88A	1	—	44438-87A
2005/2007	XL 883R	1	**49-348**		1	**49-349**	
1996/1999	XLH 1200C Custom.	1	**49-333***		1	—	44438-87A
2004/2007	XL 1200C Custom	1	—		1	**49-349**	
2007	XL 50 50th Anniversary	1	—		1	**49-349**	
2004/2007	XL 1200R Roadster	1	**49-348**		1	**49-349**	
2000/2003	XL 1200S Sport.	3	—		1	**49-600**	
2000/2003	XLH 1200C Custom.	1	**49-333***		1	**49-600**	
FL Models							
1986/1987	FLST.	1	—	42305-86A	1	**49-206**	45156-84
1986/1991	FLT, FLTC, FLHT & FLHTC.	3	—	43349-84B	1	**49-222***	40971-86
2000	FLSTF.	1	—	42305-86A	1	**49-342***	
1997/1999	FLSTS	1	**49-601**		1	—	40957-87A
2000	FLSTS	1	**49-601**		1	**49-342***	
2004/2006	FLHRS/I	3	**49-359**		1	—	
2007	FLHRS	3	**49-359**		1	—	
1994/2007	FLHR +4", FLHRS +2"	3	**49-360**		1	—	
Dyna Glide® Models							
1991	FXDB (Sturgis®).	1	**49-263***	45145-90	1	**49-268**	
1992	FXDB (Daytona).	3	**49-261***	45111-89	1	**49-268***	45119-89
1992	FXDC (Custom).	3	**49-261***	45111-89	1	**49-268***	45119-89
1993/1999	FXDL (Low Rider®).	3	**49-261***	45111-89	1	**49-268***	45119-89
2000	FXDL (Low Rider®).	3	**49-261***	45111-89	1		
2006/2007	FXDL1 (Low Rider®)	3	**49-352**		1		—
1993/1999	FXDWG (Wide Glide®).	1	—	45112-84A	1	**49-268***	45119-89
2000	FXDX	3	**49-604**		1	—	
2000	FXDXT	3	**49-604**		1	—	
2006/2007	FXDBI (Street Bob).	1	**49-350**		1	—	

SOLD AS KIT

RUSSELL™ CUSTOM FRONT AND REAR BRAKE LINES H-D®OEM DESIGN IN STOCK AND OVER STOCK LENGTHS

PART NO.	YEAR	APPLICATION	NO. OF HOSES INCL.	FRONT OEM NO.
49-137	1972/1981	FL Single Disc, Front. Stock Length — 45" Long.	1	45120-72A
49-146	1978/1983	2" Overstock Length — 21" Long.	1	45121-77 Lower
49-148	1978/1983	6" Overstock Length — 25" Long.	1	45121-77 Lower
49-176	1983	XLH, FXE, FXSB & FXWG. Plus 2" Overstock— 26" Long.	1	Upper
49-271	1980	FXE, FXEF & XL. Stock Length —20" Long.	1	45123-79 Upper
49-231	1981	FXE, FXS-80 & FXWG. Stock Length — 24" Long.	1	45125-81 Upper

SOLD EACH

STREET LEGAL™ (DOT) & CYCLEFLEX® (NON-DOT) BRAKE LINE KITS FOR H-D® — FRONT AND REAR®

NOTE: Street Legal™ Brake Line Kits marked with an asterisk * meet DOT MVSS-106 requirements and are legal in all 50 states. Unless specified, all other kits are non-DOT. SOLD AS KIT

YEAR	MODEL	HOSE PER FRONT KIT	FRONT KIT PART NO.	FRONT KIT OEM NO.	HOSE PER REAR KIT	REAR KIT PART NO.	REAR KIT OEM NO.
FX Models							
1981	FXS.	3	**49-157**	45125-81	1	—	45151-78
1981	FXWG.	3	**49-157**	45123-77 45125-81	1	—	42300-73A
1983	FXWG & FXDG.	3	—	45123-77 45113-83	1	**49-202**	41033-82
1983	FXSB.	3	—	45124-83	1	**49-202**	41033-82
1984 & 1985	FXE & FXEF.	1	—	45121-84	1	**49-202**	41033-82
1984 & 1985	FXSB.	1	—	45124-84A	1	**49-202**	41033-82
1984/1986	FXWG.	1	—	45113-84A	1	**49-202**	41033-82
1985 & 1986	FXRS-Sport.	3	**49-212***	45136-85	1	—	40956-82
1984/1987	FXST & FXSTC.	1	—	45112-84A	1	**49-206**	45156-84
2000/2005	FXST Standard.	1	—		1	**49-342***	
2006/2007	FXST Standard.	1	—		1	**49-358**	
2000	FXSTC Custom.	1	—		1	**49-342***	
1989/1993	FXRS (Convertible™).	3	**49-261***	45111-89	1	—	40956-87
2004/2005	FXSTS (Springer® Softail®).	1	—		1	**49-342***	
2006	FXSTS (Springer® Softail®).	1	—		1	**49-358**	
1999	FXSTB Night Train.	1	**49-356**		1	—	45156-89C
2000/2005	FXSTB Night Train.	1	**49-356**		1	**49-342***	
2006	FXSTB Night Train.	1	**49-356**		1	**49-358**	
2007	FXSTB Night Train.	1	**49-356**		1	—	
2000	FXSTD Deuce.	1	**49-603**	—	1	**49-342***	

NOTE: Street Legal™ Brake Line Kits marked with an asterisk * meet DOT MVSS-106 requirements and are legal in all 50 states. Unless specified, all other kits are non-DOT.

SOLD AS KIT

PRO SYSTEM I BIKE BUILDERS KIT COMPOMENTS

PART NO.	DESCRIPTION	QTY. INCLUDED IN KIT **49-330**
90-662	3/8" - 24 inverted flare.	2
90-669	Front tee aluminum.	2
90-377	10mm Single banjo bolt 3/8" - 24.	16
90-305	10mm Crush washer.	3
90-345	12mm Crush washer.	1



UNIVERSAL STAINLESS STEEL BRAKE LINE PROGRAMS FOR H-D®

Mach 3 Street Legal™ all-stainless brake lines with stainless fittings utilize Russell's Powerflex™ #3 stainless steel braided hose and are clear coated to reduce paint and surface abrasion. The Cycleflex® Series incorporates the beauty of quality show chrome fittings with coated stainless steel lines. This wide selection of adapter fittings and hose lengths allows precise fitment no matter if you're replacing a stock factory hose or working on a complete custom brake system.

CYCLEFLEX® CHROME PLATED FITTINGS	DESCRIPTION	MACH 3 STAINLESS STEEL FITTINGS
BRAKE LINE PROGRAM		
—	17" Straight #3 x straight #3 assy.	**49-283**
—	18" Straight #3 x straight #3 assy.	**49-284**
—	23" Straight #3 x straight #3 assy.	**49-287**
—	26" Straight #3 x straight #3 assy.	**49-289**
—	40" Straight #3 x straight #3 assy.	**49-295**
—	60" Straight #3 x straight #3 assy.	**49-306**
—	62" Straight #3 x straight #3 assy.	**49-307**
49-621	64" Straight #3 x straight 3 assy.	**49-308**
—	66" Straight #3 x straight #3 assy.	**49-309**
—	Brake switch junction w/o tab	**21-391**
—	Brake switch junction w/ tab	**21-392**
90-669	Brake tee 3/8"-24, flat style	—



RENEGADE -BLACK- STAINLESS STEEL BRAKE LINE FITTINGS FOR H-D®

BENT TUBE FITTINGS

21-519 H-D® junction fittings 90° - 120° x #3.

BRAKE LINE PROGRAM

49-481 45" Straight #3 x straight #3 assy.
49-487 58" Straight #3 x straight #3 assy.
49-493 70" Straight #3 x straight #3 assy.
49-494 72" Straight #3 x straight #3 assy.

BANJO FITTINGS

21-527 7/16" Banjo x #3 male straight.
21-529 Rear brake banjo #3 x 35° short.
21-518 Forward control #3 x 90° long.

BANJO BOLTS

21-509 3/8 - 24 Double banjo bolt.
21-397 12mm Banjo bolt.

A



90-699

B



C



D



E



F



G



A. *BANJO BOLTS*

90-377 Fits master cylinders with 10mm brake line. OEM 41747-82A. Includes two crush washers. **U.S.A. MADE.** SOLD EACH

90-699 Fits master cylinders with 10mm brake line. 3/8-24 x 13/16 (short). For use on Chrome Horse® II calipers & others. Bolt only. Chrome plated. **U.S.A. MADE.**

90-378 Fits master cylinders with 12mm brake line. OEM 41739-84A. Includes two crush washers. Chrome plated. **U.S.A. MADE.**

90-390 Banjo adapter bolt, 10mm threads using 12mm line. Comes with two aluminum gaskets. Chrome plated. **U.S.A. MADE.**

B. *BRAKE SWITCH BANJO BOLT*

21-419 Banjo bolt w/built-in b rake switch, 3/8-24 thread. SOLD EACH

C. *O-RING WASHERS*

O-Ring washers for brake lines with banjo fittings.

90-431 10mm. Replaces OEM 41731-88A. SOLD EACH

90-432 12mm. Replaces OEM 41733-88.

CHECK QTY. DISCOUNT FOR BEST PRICE

D. *BRAKE LINE TEES*

Chrome plated brake line tee fittings.

90-347 Front: FX 1978 thru early 1979 except FXS, and XL 1978 thru early 1979 except XLCR. Replaces OEM 43308-78. SOLD EACH

90-348 Front: FXWG 1980 thru 1982, XLH & XLS 1982, and FXR & FXRS 1982 thru early 1983. Replaces OEM 44311-80. Not shown.

90-349 Front: FXS early 1977, FX late 1979 thru 1982 except FXWG, XLCR 1977 & 1978, and XL late 1979 thru 1981. Replaces OEM 44310-77.

90-350 Rear: FL 1958 thru 1969. Replaces OEM 83566-51.

90-351 Rear: FL without sidecar late 1972 thru 1984, FX late 1972 and 1978 thru 1985, FXWG 1980 thru 1986, Softail® 1984 thru early 1987, and XL 1980 thru 1985. Replaces OEM 42318-72. Not shown.

90-352 Rear: FX 1971 thru early 1972, and FL with sidecar 1970 thru 1984. Replaces OEM 42309-70.

E. *TAPER TOP ALLEN BRAKE LINE BANJO BOLTS*

Polished banjo bolts are **U.S.A. MADE.**

90-262 Front, 1984 & later, 7/16 x 24. Replaces OEM 41739-84A. SOLD EACH

90-263 Front and/or Rear, 1982 & later. 3/8 x 24. Replaces OEM 41747-82A.

90-264 Rear brake wheel cylinder, 1958 thru 1972. 3/8 x 24.

F. *CHROME STEEL BRAKE LINE TEES*

Chrome steel brake tees. Mounting hole size: 5/16".

90-627 Center hole inverted flare 3/8"-24 UNF and side tubes 3/8"-24 UNF. SOLD EACH

90-628 Center hole 1/8"-27 NPT, side tubes 3/8"-24 UNF.

90-629 Center hole and side tubes 1/8"-27 NPT.

G. *REPLACEMENT CRUSH WASHERS*

90-305 10mm. SOLD AS PKG OF 6

90-345 12mm. SOLD AS PKG OF 6

A. *CUSTOM BRAKE LINE TEES*

Chrome plated custom brake tees with groove design.

90-446 Front. Three inverted flare ends. Replaces OEM 44310-77 and 44311-80. SOLD EACH
90-447 Rear. Two side inverted flares and one 1/8" NPT in center. Replaces OEM 43308-78 and 42318-72.
90-448 Universal. Three 1/8" NPT ends.

B. *HANDLEBAR MASTER CYLINDER FITTINGS*

90-329 90° Right angle inverted flare, male end 1/8 pipe thread. Fits 1971 thru 1981. OEM 43307-78. SOLD EACH
90-353 Straight. Inverted flare, male end 1/8 pipe thread. OEM 63609-72.

C. *BULK CABLE & HOUSINGS*

This is non-fray wire of the finest quality and maximum strength. Keep a roll of this on hand to fill those needs for longer or shorter control cables.

49-130 Brake cable, 50 ft roll. SOLD BY ROLL

D. *BRAIDED STEEL BRAKE HOSE*

Make your own custom brake hose for H-D® with these braided steel hose and hose ends. The stiffness of the liner, combined with the resistance of the stainless steel braided outer cover, dramatically reduces line expansion under pressure, resulting in firmer brake lever or pedal pressure. **See below for hose ends.**

48-372 Braided steel brake hose. SOLD BY FOOT

E. *HOSE ENDS & ADAPTER FITTINGS FOR BRAIDED STEEL BRAKE HOSE*

45-28 Straight end. Specifically designed for use with above hose part No. **48-372** for positive leak resistant seal. SOLD EACH
45-29 Bent tube end. Specifically designed for use with above hose part No. **48-372** for positive leak resistant seal.
45-30 Adapter; hose end to 3/8-24 inverted flare.
45-31 Adapter; hose end to 1/8" pipe thread.

F. *RUSSELL REPLACEMENT BRAKE TEE*

90-669 Front tee. Chrome plated aluminum. SOLD EACH

G. *TACHOMETER CABLES FOR SPORTSTER® 1974 THRU 1980*

Tach cable. OEM 92065-74.

48-373 Stock Black cable. SOLD EACH
48-665 Stainless steel cable.







Barnett

4









QUICK REFERENCE GUIDE FOR CABLES

STAINLESS STEEL, ARMOR COATED

MODEL	LENGTH	YEARS	IDLE	THROTTLE	CLUTCH	SPEEDO
BUELL S2	STD	1995	48-596	48-571	N/A	N/A
FLHP	STD	2010	N/A	N/A	48-955	N/A
FLHR	STD	94-95	48-814	48-833	48-650	N/A
FLHR	-4	94-95	48-606	48-581	48-850	N/A
FLHR	-4	96-99	48-815	48-834	48-850	N/A
FLHR	4	96-99	N/A	N/A	48-849	N/A
FLHR	6	96-99	48-816	48-835	48-768	N/A
FLHR	STD	00-01	48-773	48-772	48-851	N/A
FLHR	6	00-01	48-816	48-835	48-768	N/A
FLHR	STD	2002	48-817	48-772	48-851	N/A
FLHR	6	2002	48-818	48-835	48-768	N/A
FLHR	STD	03-05	48-819	48-772	48-851	N/A
FLHR	6	03-05	48-820	48-835	48-768	N/A
FLHR	STD	2006	N/A	N/A	48-851	N/A
FLHR	6	2006	48-818	N/A	48-768	N/A
FLHR	STD	2007	48-817	48-772	48-852	N/A
FLHR	6	2007	48-818	48-835	48-853	N/A
FLHR	STD	08-11	N/A	N/A	48-955	N/A
FLHR-I	STD	96-97	48-821	48-836	48-650	N/A
FLHR-I	6	96-97	48-822	48-837	48-662	N/A
FLHR-I	STD	00-01	48-821	48-836	48-851	N/A
FLHR-I	6	00-01	48-822	48-837	48-768	N/A
FLHR-I	STD	2002	N/A	48-953	48-851	N/A
FLHR-I	6	2002	48-824	48-838	48-768	N/A
FLHR-I	STD	03-06	48-817	48-772	48-851	N/A
FLHR-I	6	03-06	48-818	48-835	48-768	N/A
FLHRC	STD	2007	48-817	48-772	48-852	N/A
FLHRC	6	2007	48-818	48-835	48-853	N/A
FLHRC	STD	08-11	N/A	N/A	48-955	N/A
FLHRC-I	STD	98-99	48-821	48-836	48-650	N/A
FLHRC-I	6	98-99	48-822	48-837	48-662	N/A
FLHRC-I	STD	00-01	48-821	48-836	48-851	N/A
FLHRC-I	6	00-01	48-822	48-837	48-768	N/A
FLHRC-I	STD	2002	N/A	48-953	48-851	N/A
FLHRC-I	6	2002	48-824	48-838	48-768	N/A
FLHRC-I	STD	03-06	48-817	48-772	48-851	N/A
FLHRC-I	6	03-06	48-818	48-835	48-768	N/A
FLHRS	STD	04-05	48-825	48-839	48-851	N/A
FLHRS	6	04-06	N/A	N/A	48-768	N/A
FLHRS	STD	2006	N/A	48-839	48-851	N/A
FLHRS	STD	2007	N/A	48-839	48-852	N/A
FLHRS	6	2007	N/A	N/A	48-853	N/A
FLHRS-I	6	04-06	N/A	N/A	48-768	N/A
FLHRS-I	STD	2006	N/A	48-839	48-851	N/A
FLHS	STD	87-89	48-591	N/A	48-650	48-673
FLHS	-4	87-89	48-602	48-577	48-850	N/A
FLHS	6	87-89	48-601	48-576	48-662	48-676
FLHS	STD	90-94	48-599	48-574	48-650	48-673
FLHS	6	90-94	48-607	48-582	48-662	48-676
FLHT	STD	1985	48-591	N/A	48-645	48-674
FLHT	STD	1986	48-591	N/A	48-645	N/A
FLHT	STD	1987	48-591	N/A	48-650	N/A
FLHT	-4	1987	48-602	48-577	48-850	48-673
FLHT	6	1987	48-601	48-576	48-662	N/A
FLHT	STD	1995	48-599	48-574	48-650	N/A
FLHT	6	1995	48-607	48-582	48-662	N/A
FLHT	STD	96-97	48-769	48-842	48-650	N/A
FLHT	STD	98-99	48-769	48-842	48-650	N/A
FLHT	STD	00-01	48-769	48-842	48-851	N/A
FLHT	6	00-01	N/A	N/A	48-768	N/A
FLHT	STD	2002	48-817	48-772	48-851	N/A
FLHT	6	2002	48-818	48-835	48-768	N/A

MODEL	LENGTH	YEARS	IDLE	THROTTLE	CLUTCH	SPEEDO
FLHT	STD	03-05	48-826	48-840	48-851	N/A
FLHT	6	03-05	48-827	48-841	48-768	N/A
FLHT	STD	2006	N/A	48-953	48-851	N/A
FLHT	6	2006	48-824	48-838	48-768	N/A
FLHT	STD	2007	N/A	48-838	48-852	N/A
FLHT	6	2007	48-824	48-838	48-853	N/A
FLHT	STD	08-10	N/A	N/A	48-955	N/A
FLHT-I	STD	2003	48-826	48-840	48-851	N/A
FLHT-I	6	2003	48-827	48-841	48-768	N/A
FLHT-I	STD	04-06	N/A	N/A	48-851	N/A
FLHT-I	6	04-06	48-824	48-838	48-768	N/A
FLHTC	STD	1985	48-591	N/A	48-645	48-674
FLHTC	6	85-86	48-601	48-576	48-657	N/A
FLHTC	STD	1986	48-591	N/A	48-645	N/A
FLHTC	STD	87-89	48-591	N/A	48-650	48-674
FLHTC	-4	87-89	48-602	48-577	48-850	48-673
FLHTC	6	87-89	48-601	N/A	48-662	N/A
FLHTC	STD	90-95	48-599	48-574	48-650	48-674
FLHTC	6	90-95	48-607	48-582	48-662	N/A
FLHTC	STD	96-97	48-769	48-842	48-650	N/A
FLHTC	STD	98-99	48-769	48-842	48-650	N/A
FLHTC	STD	00-01	48-769	48-842	48-851	N/A
FLHTC	6	00-02	N/A	N/A	48-768	N/A
FLHTC	STD	03-05	48-826	48-840	48-851	N/A
FLHTC	6	03-05	48-827	48-841	48-768	N/A
FLHTC	STD	2007	N/A	48-953	48-852	N/A
FLHTC	6	2007	48-824	48-838	48-853	N/A
FLHTC	STD	08-11	N/A	N/A	48-955	N/A
FLHTC-I	STD	00-01	N/A	48-843	48-851	N/A
FLHTC-I	6	00-01	N/A	N/A	48-768	N/A
FLHTC-I	STD	02-06	N/A	48-953	48-851	N/A
FLHTC-I	6	02-06	48-824	48-838	48-768	N/A
FLHTCU	STD	90-95	48-599	48-574	48-650	48-673
FLHTCU	6	90-95	48-607	48-582	48-662	48-676
FLHTCU	STD	96-97	48-769	48-842	48-650	N/A
FLHTCU	STD	2007	N/A	48-953	48-852	N/A
FLHTCU	6	2007	N/A	48-838	48-853	N/A
FLHTCU	STD	08-11	N/A	N/A	48-955	N/A
FLHTCU-I	STD	2000	N/A	N/A	48-851	N/A
FLHTCU-I	6	00-01	N/A	N/A	48-768	N/A
FLHTCU-I	STD	02-06	N/A	48-953	48-851	N/A
FLHTCU-I	6	02-06	48-824	48-838	48-768	N/A
FLHTK	STD	10-11	N/A	N/A	48-955	N/A
FLHTP	6	1984	48-601	N/A	48-657	N/A
FLHTP	STD	84-85	48-591	N/A	48-645	48-674
FLHTP	6	85-86	48-601	48-576	48-657	N/A
FLHTP	STD	1986	48-591	N/A	48-645	N/A
FLHTP	STD	87-88	48-591	N/A	48-650	48-674
FLHTP	-4	87-88	48-602	48-577	48-850	48-673
FLHTP	6	87-88	48-601	48-576	48-662	N/A
FLHTP	STD	2010	N/A	N/A	48-955	N/A
FLHX	STD	2006	N/A	48-953	48-851	N/A
FLHX	6	2006	48-824	48-838	48-768	N/A
FLHX	STD	2007	N/A	48-953	48-852	N/A
FLHX	6	2007	48-824	48-838	48-853	N/A
FLHX	STD	08-11	N/A	N/A	48-955	N/A
FLHX-I	STD	2006	N/A	48-953	48-851	N/A
FLHX-I	6	2006	48-824	48-838	48-768	N/A
FLHXXX	STD	2010	N/A	N/A	48-955	N/A

MODEL	LENGTH	YEARS	IDLE	THROTTLE	CLUTCH	SPEEDO
FLST	STD	1986	48-590	48-563	48-645	48-673
FLST	6	1986	48-600	48-575	48-657	48-676
FLST	STD	87-89	48-590	48-563	48-650	48-673
FLST	6	87-89	48-600	48-575	48-662	48-676
FLST	STD	1990	48-598	48-573	48-650	48-673
FLST	6	1990	48-606	48-581	48-652	48-676
FLST	STD	2006	48-765	48-764	48-855	N/A
FLST	2	2006	48-767	48-766	48-849	N/A
FLST	9	2006	48-773	48-772	48-856	N/A
FLST	STD	2007	48-773	48-772	N/A	N/A
FLST	STD	09-10	N/A	N/A	48-857	N/A
FLST	4	09-10	N/A	N/A	48-860	N/A
FLST	6	09-10	N/A	N/A	48-858	N/A
FLST-I	STD	2006	48-765	48-764	48-855	N/A
FLST-I	2	2006	48-767	48-766	48-849	N/A
FLST-I	9	2006	48-773	48-772	48-856	N/A
FLSTC	STD	87-89	48-590	48-563	48-650	48-673
FLSTC	6	87-89	48-600	48-575	48-662	48-676
FLSTC	STD	90-95	48-598	48-573	48-650	48-673
FLSTC	6	90-95	48-606	48-581	48-662	48-676
FLSTC	STD	96-99	48-765	48-764	48-650	N/A
FLSTC	-4	96-99	N/A	48-844	48-850	N/A
FLSTC	6	96-99	48-815	48-834	48-662	N/A
FLSTC	STD	00-06	48-765	48-764	48-855	N/A
FLSTC	2	00-06	48-767	48-766	48-849	N/A
FLSTC	9	00-06	48-773	48-772	48-856	N/A
FLSTC	STD	07-09	48-765	48-764	48-857	N/A
FLSTC	6	07-09	48-815	48-834	48-858	N/A
FLSTC	4	07-10	N/A	N/A	48-860	N/A
FLSTC	STD	2010	N/A	N/A	48-857	N/A
FLSTC	6	2010	N/A	N/A	48-858	N/A
FLSTC-I	STD	01-06	48-765	48-764	48-855	N/A
FLSTC-I	2	01-06	48-767	48-766	48-849	N/A
FLSTC-I	9	01-06	48-773	48-772	48-856	N/A
FLSTF	STD	90-95	48-598	48-573	48-650	48-673
FLSTF	6	90-95	48-606	48-581	48-662	48-676
FLSTF	STD	96-99	48-765	48-764	48-650	N/A
FLSTF	-4	96-99	N/A	48-844	48-850	N/A
FLSTF	6	96-99	48-815	48-834	48-662	N/A
FLSTF	STD	00-06	48-765	48-764	48-855	N/A
FLSTF	2	00-06	48-767	48-766	48-849	N/A
FLSTF	9	00-06	48-773	48-772	48-856	N/A
FLSTF	STD	2007	48-765	48-764	48-857	N/A
FLSTF	4	2007	N/A	N/A	48-860	N/A
FLSTF	6	2007	48-815	48-834	48-858	N/A
FLSTF	STD	08-10	48-765	48-764	48-859	N/A
FLSTF	STD	2011	48-765	48-764	N/A	N/A
FLSTFB	STD	2010	N/A	48-844	48-859	N/A
FLSTFB	6	10-11	48-767	48-766	N/A	N/A
FLSTFB	STD	2011	N/A	48-844	N/A	N/A
FLSTF-I	STD	01-06	48-765	48-764	48-855	N/A
FLSTF-I	2	01-06	48-767	48-766	48-849	N/A
FLSTF-I	9	01-06	48-773	48-772	48-856	N/A
FLSTN	STD	93-95	48-598	48-573	48-650	48-673
FLSTN	6	93-95	48-606	48-581	48-662	48-676
FLSTN	STD	1996	48-765	48-764	48-650	N/A
FLSTN	-4	1996	N/A	48-844	48-850	N/A
FLSTN	6	1996	48-815	48-834	48-662	N/A
FLSTN	STD	2006	48-765	48-764	48-650	N/A
FLSTN	-4	2006	N/A	48-844	48-850	N/A
FLSTN	6	2006	48-815	48-834	48-662	N/A
FLSTN	STD	07-10	48-765	48-764	48-859	N/A
FLSTN	STD	2011	48-765	48-764	N/A	N/A
FLSTN-I	STD	2005	48-765	48-764	48-855	N/A
FLSTN-I	STD	2006	48-765	48-764	48-650	N/A
FLSTN-I	-4	2006	N/A	48-844	48-850	N/A
FLSTN-I	6	2006	48-815	48-834	48-662	N/A

MODEL	LENGTH	YEARS	IDLE	THROTTLE	CLUTCH	SPEEDO
FLSTS	STD	97-99	48-765	48-764	48-650	N/A
FLSTS	-4	97-99	N/A	48-844	48-850	N/A
FLSTS	6	97-99	48-815	48-834	48-662	N/A
FLSTS	STD	00-03	48-765	48-764	48-855	N/A
FLSTS	2	00-03	48-767	48-766	48-849	N/A
FLSTS	9	00-03	48-773	48-772	48-856	N/A
FLSTSB	STD	2008	N/A	N/A	48-859	N/A
FLSTSB	STD	09-11	N/A	N/A	48-861	N/A
FLSTS-I	STD	01-03	48-765	48-764	48-855	N/A
FLSTS-I	2	01-03	48-767	48-766	48-849	N/A
FLSTS-I	9	01-03	48-773	48-772	48-856	N/A
FLSTSC	STD	05-06	48-765	48-764	48-855	N/A
FLSTSC	2	05-06	48-767	48-766	48-849	N/A
FLSTSC	9	05-06	48-773	48-772	48-856	N/A
FLSTSC	STD	2007	48-765	48-764	48-857	N/A
FLSTSC	4	2007	N/A	N/A	48-860	N/A
FLSTSC	6	2007	48-815	48-834	48-858	N/A
FLSTSC-I	STD	05-06	48-765	48-764	48-855	N/A
FLSTSC-I	2	05-06	48-767	48-766	48-849	N/A
FLSTSC-I	9	05-06	48-773	48-772	48-856	N/A
FLTC	STD	1981	48-591	N/A	N/A	48-674
FLTC	STD	1982	48-590	48-563	N/A	48-674
FLTC	STD	1983	48-590	48-563	48-645	48-674
FLTC	STD	84-86	48-591	N/A	48-645	48-674
FLTC	6	84-86	48-601	48-576	48-657	N/A
FLTC	STD	87-89	48-591	N/A	48-650	48-673
FLTC	-4	87-89	48-602	48-577	48-850	N/A
FLTC	6	87-89	48-601	48-576	48-662	48-676
FLTC	STD	90-91	48-599	48-574	48-650	48-673
FLTC	6	90-91	48-607	48-582	48-662	48-676
FLTCU-I	STD	1996	N/A	N/A	48-650	N/A
FLTR	STD	98-99	48-769	48-842	48-650	48-670
FLTR	STD	00-01	48-769	48-842	48-851	N/A
FLTR	6	00-01	N/A	N/A	48-768	N/A
FLTR	STD	2002	48-817	48-772	48-851	N/A
FLTR	6	2002	48-818	48-835	48-768	N/A
FLTR	STD	2003	48-826	48-840	48-851	N/A
FLTR	6	2003	48-827	48-841	48-768	N/A
FLTR	STD	2007	N/A	N/A	48-852	N/A
FLTR	6	2007	48-824	48-838	48-853	N/A
FLTR	STD	08-09	N/A	N/A	48-955	N/A
FLTR-I	STD	98-99	N/A	N/A	48-650	48-670
FLTR-I	STD	00-01	N/A	N/A	48-851	N/A
FLTR-I	STD	02-06	N/A	48-953	48-851	N/A
FLTR-I	6	02-06	48-824	48-838	48-768	N/A
FLTRU	STD	2011	N/A	N/A	48-955	N/A
FLTRX	STD	10-11	N/A	N/A	48-955	N/A
FXCW	STD	08-09	48-765	48-764	48-857	N/A
FXCW	4	08-09	N/A	N/A	48-860	N/A
FXCW	6	2008	N/A	48-834	48-858	N/A
FXCW	6	2009	48-815	48-834	48-858	N/A
FXCWC	STD	08-10	48-765	48-764	48-857	N/A
FXCWC	4	08-10	N/A	N/A	48-860	N/A
FXCWC	6	2008	N/A	48-834	48-858	N/A
FXCWC	6	09-10	48-815	48-834	48-858	N/A
FXCWC	STD	2011	48-765	48-764	N/A	N/A
FXCWC	6	2011	48-815	48-834	N/A	N/A
FXD	STD	1995	48-829	48-846	48-662	N/A
FXD	6	1995	48-814	48-833	48-856	N/A
FXD	STD	96-99	48-767	48-766	48-662	N/A
FXD	6	96-99	48-773	48-772	48-856	N/A
FXD	STD	00-05	48-767	48-766	48-855	N/A
FXD	3	00-05	48-815	48-834	48-662	N/A

MODEL	LENGTH	YEARS	IDLE	THROTTLE	CLUTCH	SPEEDO
FXD	STD	07-10	48-830	48-847	48-857	N/A
FXD	4	07-10	N/A	N/A	48-860	N/A
FXD-I	STD	04-05	48-767	48-766	48-855	N/A
FXD-I	3	04-05	48-815	48-834	48-662	N/A
FXD-I	STD	2006	48-830	48-847	48-857	N/A
FXD-I	6	2006	N/A	N/A	48-858	N/A
FXDB	STD	07-11	48-765	48-764	48-860	N/A
FXDB	-4	07-11	N/A	N/A	48-857	N/A
FXDB	2	07-11	N/A	N/A	48-858	N/A
FXDB-D	STD	1992	48-829	48-846	48-662	48-673
FXDB-D	6	1992	48-814	48-833	48-856	48-676
FXDB-I	STD	2006	N/A	N/A	48-860	N/A
FXDB-I	-4	2006	N/A	N/A	48-857	N/A
FXDB-I	2	2006	N/A	N/A	48-858	N/A
FXDB-S	STD	1991	48-598	48-573	48-855	48-673
FXDB-S	2	1991	48-829	48-846	48-849	N/A
FXDB-S	9	1991	48-814	48-833	48-856	N/A
FXDC	STD	1992	48-829	48-846	48-662	48-673
FXDC	6	1992	48-814	48-833	48-856	48-676
FXDC	STD	07-11	48-765	48-764	48-861	N/A
FXDC-I	STD	2005	48-767	48-766	48-855	N/A
FXDC-I	3	2005	48-815	48-834	48-862	N/A
FXDC-I	STD	2006	48-830	48-847	48-857	N/A
FXDC-I	6	2006	N/A	N/A	48-858	N/A
FXDF	7.75	2008	N/A	N/A	48-860	N/A
FXDF	STD	08-11	48-830	48-847	N/A	N/A
FXDF	3.5	08-11	N/A	N/A	48-857	N/A
FXDF	9.5	08-11	N/A	N/A	48-858	N/A
FXDF	7.5	09-11	48-815	48-834	48-860	N/A
FXDL	STD	93-94	48-829	48-846	48-662	48-673
FXDL	6	93-94	48-814	48-833	48-856	48-676
FXDL	STD	1995	48-829	48-846	48-662	N/A
FXDL	6	1995	48-814	48-833	48-856	N/A
FXDL	STD	96-00	48-767	48-766	48-662	N/A
FXDL	6	96-00	48-773	48-772	48-856	N/A
FXDL	STD	01-05	48-767	48-766	48-855	N/A
FXDL	3	01-05	48-815	48-834	48-662	N/A
FXDL	STD	07-11	48-765	48-764	48-861	N/A
FXDL-I	STD	04-05	48-767	48-766	48-855	N/A
FXDL-I	3	04-05	48-815	48-834	48-662	N/A
FXDL-I	STD	2006	48-765	48-764	48-861	N/A
FXDS-CON	STD	1995	48-829	48-846	48-662	N/A
FXDS-CON	6	1995	48-814	48-833	48-856	N/A
FXDS-CON	STD	96-00	48-767	48-766	48-662	N/A
FXDS-CON	6	96-00	48-773	48-772	48-856	N/A
FXDWG	STD	93-94	48-829	48-846	48-662	48-674
FXDWG	6	93-95	48-814	48-833	48-856	N/A
FXDWG	STD	1995	48-829	48-846	48-662	N/A
FXDWG	STD	96-05	48-767	48-766	48-662	N/A
FXDWG	6	96-05	48-773	48-772	48-856	N/A
FXDWG	STD	07-08	48-767	48-766	48-860	N/A
FXDWG	-4	07-08	N/A	N/A	48-857	N/A
FXDWG	2	07-08	N/A	N/A	48-858	N/A
FXDWG	STD	10-11	48-765	48-764	48-857	N/A
FXDWG	4	10-11	N/A	N/A	48-860	N/A
FXDWG-I	STD	04-05	48-767	48-766	48-662	N/A
FXDWG-I	6	04-05	48-773	48-772	48-856	N/A
FXDWG-I	STD	2006	48-767	48-766	48-860	N/A
FXDWG-I	-4	2006	N/A	N/A	48-857	N/A
FXDWG-I	2	2006	N/A	N/A	48-858	N/A

MODEL	LENGTH	YEARS	IDLE	THROTTLE	CLUTCH	SPEEDO
FXDX	STD	99-05	48-767	48-766	48-855	N/A
FXDX	3	99-05	48-815	48-824	48-662	N/A
FXDX-I	STD	04-05	48-767	48-766	48-855	N/A
FXDX-I	3	04-05	48-815	48-824	48-662	N/A
FXDXT	STD	01-03	48-767	48-766	48-855	N/A
FXDXT	3	01-03	48-815	48-824	48-662	N/A
FXEF	STD	1985	48-590	48-563	48-641	N/A
FXEF	6	1985	48-600	48-575	48-653	N/A
FXLR	STD	87-89	48-592	48-567	48-649	48-670
FXLR	6	87-89	48-602	48-577	48-661	48-672
FXLR	9	87-89	48-591	N/A	48-663	N/A
FXLR	STD	90-94	48-598	48-573	48-649	48-670
FXLR	2	90-94	48-829	48-846	48-651	48-671
FXLR	6	90-94	48-606	48-581	48-661	48-672
FXLR	9	90-94	48-814	48-833	48-663	N/A
FXR	STD	1986	48-590	48-563	48-645	48-670
FXR	6	1986	48-600	48-575	48-657	48-672
FXR	STD	87-89	48-590	48-563	48-651	48-670
FXR	6	87-89	48-600	48-575	48-663	48-672
FXR	STD	90-94	48-598	48-573	48-651	48-670
FXR	6	90-94	48-606	48-581	48-663	48-672
FXRC	STD	1985	48-590	48-563	48-645	48-671
FXRC	6	1985	48-600	48-575	48-657	N/A
FXRC	STD	1987	48-590	48-563	48-651	48-671
FXRC	6	1987	48-600	48-575	48-663	N/A
FXRD	STD	1986	48-592	48-567	48-645	48-672
FXRD	6	1986	48-602	48-577	48-657	N/A
FXRP	STD	1985	48-602	48-577	48-645	48-670
FXRP	STD	1986	48-602	48-577	48-645	48-671
FXRP	STD	87-88	48-602	48-577	48-650	48-671
FXRS	STD	84-86	48-590	48-563	48-645	48-670
FXRS	6	84-86	48-600	48-575	48-657	48-672
FXRS	STD	1987	48-590	48-563	48-651	48-670
FXRS	6	1987	48-600	48-575	48-663	48-672
FXRS	STD	88-89	48-590	48-563	48-651	48-673
FXRS	6	88-89	48-600	48-575	48-663	48-676
FXRS	STD	90-92	48-598	48-573	48-651	48-673
FXRS	2	90-92	48-829	48-846	48-661	N/A
FXRS	6	90-92	48-606	48-581	48-663	48-676
FXRS-CON	STD	90-94	48-598	48-573	48-651	N/A
FXRS-CON	2	90-94	48-829	48-846	48-661	48-671
FXRS-CON	6	90-94	48-606	48-581	48-663	N/A
FXRS-SP	STD	85-86	48-590	48-563	48-645	48-671
FXRS-SP	6	85-86	48-600	48-575	48-657	N/A
FXRS-SP	STD	87-89	48-592	48-567	48-648	N/A
FXRS-SP	6	87-89	48-602	48-577	48-651	N/A
FXRS-SP	9	87-89	48-591	N/A	48-661	N/A
FXRS-SP	STD	90-93	48-598	48-573	48-648	N/A
FXRS-SP	6	90-93	48-606	48-581	48-651	N/A
FXRS-SP	9	90-93	48-814	48-833	48-661	N/A
FXRT	STD	1985	48-592	48-567	48-645	N/A
FXRT	6	85-86	48-602	48-577	48-657	N/A
FXRT	STD	1986	48-592	48-567	48-645	48-672
FXRT	STD	87-89	48-592	48-567	48-651	48-672
FXRT	6	87-89	48-602	48-577	48-663	N/A
FXRT	STD	90-92	48-598	48-573	48-651	48-672
FXRT	6	90-92	48-606	48-581	48-663	N/A
FXSB	STD	83-85	48-590	48-563	48-641	48-670
FXSB	6	83-85	48-600	48-575	48-653	48-672

MODEL	LENGTH	YEARS	IDLE	THROTTLE	CLUTCH	SPEEDO
FXST	6	1984	48-600	48-575	N/A	N/A
FXST	STD	1985	48-590	48-563	48-641	48-674
FXST	6	1985	48-600	48-575	48-653	N/A
FXST	STD	1986	48-590	48-563	48-646	48-674
FXST	STD	87-89	48-590	48-563	48-650	48-674
FXST	6	87-89	48-600	48-575	48-662	N/A
FXST	STD	1990	48-598	48-573	48-650	48-674
FXST	6	1990	48-606	48-581	48-662	N/A
FXST	STD	1999	48-765	48-764	48-650	N/A
FXST	-4	1999	N/A	48-844	48-850	N/A
FXST	6	1999	48-815	48-834	48-662	N/A
FXST	STD	00-06	48-765	48-764	48-855	N/A
FXST	2	00-06	48-767	48-766	48-849	N/A
FXST	9	00-06	48-773	48-772	48-856	N/A
FXST	6	2007	N/A	N/A	48-858	N/A
FXST	STD	07-10	48-765	48-764	48-857	N/A
FXST	4	07-10	N/A	N/A	48-860	N/A
FXST	6	07-10	48-815	48-834	48-858	N/A
FXST-I	STD	01-06	48-765	48-764	48-855	N/A
FXST-I	2	01-06	48-767	48-766	48-849	N/A
FXST-I	9	01-06	48-773	48-772	48-856	N/A
FXSTB	STD	1999	N/A	48-844	N/A	N/A
FXSTB	STD	00-06	N/A	48-844	48-850	N/A
FXSTB	6	00-06	48-767	48-766	48-855	N/A
FXSTB	STD	07-09	N/A	48-844	48-862	N/A
FXSTB-I	STD	01-06	N/A	48-844	48-850	N/A
FXSTB-I	6	01-06	48-767	48-766	48-855	N/A
FXSTB-I	3.5	01-06	48-765	N/A	N/A	N/A
FXSTC	STD	1986	48-590	48-563	48-646	48-674
FXSTC	STD	87-89	48-590	48-563	48-650	48-674
FXSTC	6	87-89	48-600	48-575	48-662	N/A
FXSTC	STD	90-95	48-598	48-573	48-650	48-674
FXSTC	6	90-95	48-606	48-581	48-662	N/A
FXSTC	STD	96-99	48-765	48-764	48-650	N/A
FXSTC	-4	96-99	N/A	48-844	48-850	N/A
FXSTC	6	96-99	48-815	48-834	48-662	N/A
FXSTC	STD	2000	48-765	48-764	48-855	N/A
FXSTC	2	2000	48-767	48-766	48-849	N/A
FXSTC	9	2000	48-773	48-772	48-856	N/A
FXSTC	STD	2007	48-767	48-766	48-857	N/A
FXSTC	6	2007	48-773	48-772	48-858	N/A
FXSTC	4	07-10	N/A	N/A	48-860	N/A
FXSTC	STD	08-10	N/A	N/A	48-857	N/A
FXSTC	6	08-10	N/A	N/A	48-858	N/A
FXSTD	STD	00-06	48-765	48-764	48-650	N/A
FXSTD	-4	00-06	N/A	48-844	48-850	N/A
FXSTD	2	00-06	48-767	48-766	48-855	N/A
FXSTD	6	00-06	48-815	48-834	48-662	N/A
FXSTD	STD	2007	48-765	48-764	48-859	N/A
FXSTD-I	-4	01-05	N/A	48-844	48-850	N/A
FXSTD-I	2	01-05	48-767	48-766	48-855	N/A
FXSTD-I	6	01-05	48-815	48-834	48-662	N/A
FXSTD-I	STD	01-06	48-765	48-764	48-650	N/A
FXSTS	STD	1988	48-597	48-572	48-650	48-674
FXSTS	4	1988	48-600	48-575	48-849	N/A
FXSTS	6	1988	48-605	48-580	48-662	N/A
FXSTS	STD	1989	48-597	48-572	48-650	48-674
FXSTS	4	1989	48-600	48-575	48-849	N/A
FXSTS	6	1989	48-605	48-580	48-662	N/A
FXSTS	STD	90-95	48-832	48-848	48-650	48-674
FXSTS	-4	90-95	48-598	48-573	48-850	48-673
FXSTS	5	90-95	48-599	48-574	48-662	N/A
FXSTS	STD	96-99	48-771	48-770	48-650	N/A
FXSTS	-4	96-99	48-765	48-764	48-850	N/A
FXSTS	5	96-99	48-769	48-842	48-662	N/A
FXSTS	STD	00-03	48-771	48-770	48-855	N/A
FXSTS	STD	04-06	48-765	48-764	48-855	N/A
FXSTS	2	04-06	48-767	48-766	48-849	N/A
FXSTS	9	04-06	48-773	48-772	48-856	N/A

MODEL	LENGTH	YEARS	IDLE	THROTTLE	CLUTCH	SPEEDO
FXSTS-1	STD	01-03	48-771	48-770	48-855	N/A
FXSTS-1	STD	04-06	48-765	48-764	48-855	N/A
FXSTS-1	2	04-06	48-767	48-766	48-849	N/A
FXSTS-1	9	04-06	48-773	48-772	48-856	N/A
FXSTSB	2	1995	48-829	48-846	48-650	48-676
FXSTSB	6	1995	48-606	48-581	48-849	N/A
FXSTSB	8	1995	48-814	48-833	48-662	N/A
FXSTSB	2	96-97	48-767	48-766	48-650	N/A
FXSTSB	6	96-97	48-815	48-834	48-849	N/A
FXSTSB	8	96-97	48-773	48-772	48-662	N/A
FXWG	STD	84-86	48-590	48-563	48-641	48-676
FXWG	6	85-86	48-600	48-575	48-653	N/A
VROD						
VRSCA	STD	01-07	N/A	48-869	N/A	N/A
VRSCAW	STD	08-10	N/A	48-869	N/A	N/A
VRSCAWA	STD	2008	N/A	48-869	N/A	N/A
VRSCDX	STD	07-11	N/A	48-871	N/A	N/A
VRSCDXA	STD	2008	N/A	48-871	N/A	N/A
VRSCF	STD	09-11	N/A	48-869	N/A	N/A
VRSCX	STD	2007	N/A	48-871	N/A	N/A
XL1200L	STD	2007	48-948	48-778	48-958	N/A
XL1200L	STD	2009	48-948	48-778	48-958	N/A
XL1200L	STD	2011	48-948	48-778	48-958	N/A
XLH	STD	84-85	48-590	48-563	48-643	48-670
XLH	6	84-85	48-600	48-575	N/A	48-672
XLH1100	STD	86-87	N/A	N/A	48-652	48-671
XLH1200	STD	88-92	48-596	48-571	48-652	48-671
XLH1200	STD	93-94	48-596	48-571	48-652	N/A
XLH1200	6	93-94	N/A	N/A	48-662	N/A
XLH1200	STD	1995	48-596	48-571	48-652	N/A
XLH1200	STD	96-99	48-779	48-778	48-874	N/A
XLH1200	STD	2000	48-779	48-778	48-647	N/A
XLH1200	STD	01-03	48-779	48-778	48-874	N/A
XLH1200C	STD	96-98	48-775	48-774	48-874	N/A
XLH1200C	STD	1999	48-777	48-776	48-874	N/A
XLH1200C	1	1999	48-779	48-778	48-659	N/A
XLH1200C	3	1999	48-775	48-774	48-652	N/A
XLH1200C	STD	2000	48-872	48-873	48-874	N/A
XLH1200C	STD	2001	48-872	48-873	48-647	N/A
XLH1200C	STD	02-03	48-777	48-776	48-647	N/A
XLH1200C	3	02-03	48-775	48-774	48-874	N/A
XLH1200C	STD	04-06	48-777	48-776	48-875	N/A
XLH1200C	3	04-06	48-775	48-774	48-876	N/A
XLH1200C	STD	07-10	48-948	48-778	48-875	N/A
XLH1200L	STD	2008	48-948	48-778	48-958	N/A
XLH1200L	STD	2010	N/A	N/A	48-958	N/A
XLH1200N	STD	07-11	48-948	48-778	48-958	N/A
XLH1200R	STD	04-06	48-777	48-776	48-875	N/A
XLH1200R	3	04-06	48-775	48-774	48-659	N/A
XLH1200R	STD	07-09	48-948	48-778	48-875	N/A
XLH1200S	STD	96-99	48-777	48-776	48-647	N/A
XLH1200S	3	96-99	48-775	48-774	48-874	N/A
XLH1200S	STD	2000	48-777	48-776	48-874	N/A
XLH1200S	3	2000	48-775	48-774	48-652	N/A
XLH1200S	STD	01-03	48-777	48-776	48-647	N/A
XLH1200S	3	01-03	48-775	48-774	48-874	N/A
XLH50	STD	2007	48-948	48-778	48-875	N/A
XLH883	STD	86-87	N/A	N/A	48-647	48-671
XLH883	6	86-95	N/A	N/A	48-659	N/A
XLH883	STD	88-90	48-596	48-571	48-647	48-671
XLH883	STD	91-94	48-596	48-571	48-647	N/A
XLH883	STD	1995	48-596	48-571	48-647	N/A

MODEL	LENGTH	YEARS	IDLE	THROTTLE	CLUTCH	SPEEDO
XLH883	STD	96-99	48-777	48-776	48-647	N/A
XLH883	3	96-99	48-775	48-774	48-874	N/A
XLH883	STD	2000	48-777	48-776	48-874	N/A
XLH883	1	2000	48-779	48-778	48-659	N/A
XLH883	3	2000	48-775	48-774	48-652	N/A
XLH883	STD	01-03	48-777	48-776	48-647	N/A
XLH883	3	01-03	48-775	48-774	48-874	N/A
XLH883	STD	04-06	48-777	48-776	48-875	N/A
XLH883	3	04-06	48-775	48-774	48-659	N/A
XLH883	STD	07-08	48-948	48-778	48-875	N/A
XLH883	STD	2009	N/A	N/A	48-875	N/A
XLH883C	STD	1999	48-777	48-776	48-874	N/A
XLH883C	3	1999	48-775	48-774	48-652	N/A
XLH883C	STD	00-01	48-872	48-873	48-874	N/A
XLH883C	STD	02-03	48-777	48-776	48-874	N/A
XLH883C	1	02-03	48-779	48-778	48-659	N/A
XLH883C	STD	04-06	48-777	48-776	48-875	N/A
XLH883C	3	04-06	48-775	48-774	48-659	N/A
XLH883C	STD	07-10	48-948	48-778	48-875	N/A
XLH883DLX	STD	86-87	N/A	N/A	48-647	48-671
XLH883DLX	STD	88-90	48-596	48-571	48-647	48-671
XLH883DLX	6	88-90	N/A	N/A	48-659	N/A
XLH883DLX	STD	1991	48-596	48-571	48-647	N/A
XLH883DLX	STD	92-94	48-596	48-571	48-652	N/A
XLH883DLX	STD	1995	48-596	48-571	48-652	N/A
XLH883HUGSTD		1987	N/A	N/A	48-652	48-671
XLH883HUGSTD		88-90	48-596	48-571	48-652	48-671
XLH883HUGSTD		91-94	48-596	48-571	48-652	N/A
XLH883HUGSTD		1995	48-596	48-571	48-652	N/A
XLH883HUGSTD		96-99	48-779	48-778	48-874	N/A
XLH883HUGSTD		2000	48-779	48-778	48-647	N/A
XLH883HUGSTD		01-03	48-779	48-778	48-874	N/A
XLH883L	STD	2005	48-777	48-776	48-875	N/A
XLH883L	3	2005	48-775	48-774	48-659	N/A
XLH883L	STD	2006	48-777	48-776	N/A	N/A
XLH883L	STD	07-10	48-948	48-778	48-958	N/A
XLH883L	STD	2011	48-948	48-778	48-875	N/A
XLH883N	STD	07-10	48-948	48-778	48-875	N/A
XLH883R	STD	02-03	48-779	48-778	48-647	N/A
XLH883R	STD	2006	48-777	48-776	48-875	N/A
XLH883R	3	2006	48-775	48-774	48-659	N/A
XLH883R	STD	07-11	48-948	48-778	48-875	N/A

QUICK REFERENCE GUIDE FOR CABLES

BLACK VINYL

MODEL	LENGTH	YEARS	IDLE	THROTTLE	CHOKE	CLUTCH	SPEEDO
BUELLM2	STD	97-98	48-781	N/A	48-918	48-942	N/A
BUELLM2	STD	99-00	N/A	N/A	48-918	48-942	N/A
BUELLM2	STD	01-02	N/A	N/A	N/A	48-942	N/A
BUELLP3	STD	00-06	N/A	N/A	N/A	48-942	N/A
BUELLS1	STD	96-98	48-781	N/A	48-918	48-942	N/A
BUELLS2	STD	1995	48-549	48-538	48-918	48-619	N/A
BUELLS3	STD	97-98	48-781	N/A	48-918	48-942	N/A
BUELLS3	STD	99-02	N/A	N/A	N/A	48-942	N/A
BUELLS3T	STD	97-98	48-781	N/A	48-918	48-942	N/A
BUELLS3T	STD	1999	N/A	N/A	N/A	48-942	N/A
BUELLS3T	STD	00-02	N/A	N/A	N/A	48-942	N/A
BUELLX1	STD	99-02	N/A	N/A	N/A	48-942	N/A
FL	STD	52-61	N/A	N/A	N/A	N/A	48-680
FL	STD	62-67	N/A	N/A	N/A	N/A	48-677
FL	6	62-67	N/A	N/A	N/A	N/A	N/A
FL	STD	68-74	N/A	N/A	N/A	48-610	48-677
FL	STD	1975	N/A	N/A	N/A	48-610	48-677
FL	6	1975	N/A	N/A	N/A	N/A	N/A
FL	STD	76-78	N/A	48-532	N/A	48-610	48-677
FL	4	76-80	N/A	48-556	N/A	48-626	N/A
FL	6	76-80	N/A	48-555	N/A	48-629	N/A
FL	STD	1978	N/A	N/A	48-914	N/A	N/A
FL	STD	79-80	N/A	48-532	48-914	48-610	48-677
FL	STD	81-84	48-543	48-375	48-914	48-610	48-441
FL	2	81-84	48-550	N/A	N/A	N/A	N/A
FL	6	81-84	48-378	N/A	N/A	48-629	N/A
FL	8	81-84	48-587	48-554	N/A	N/A	N/A
FLH	STD	55-61	N/A	N/A	N/A	N/A	48-680
FLH	STD	62-67	N/A	N/A	N/A	N/A	N/A
FLH	6	62-67	N/A	N/A	N/A	N/A	N/A
FLH	STD	1968	N/A	N/A	N/A	48-610	N/A
FLH	STD	69-74	N/A	N/A	N/A	48-610	48-677
FLH	STD	1975	N/A	N/A	N/A	48-610	48-677
FLH	4	1975	N/A	N/A	N/A	48-626	N/A
FLH	6	1975	N/A	N/A	N/A	48-629	N/A
FLH	STD	76-78	N/A	48-532	N/A	48-610	48-677
FLH	4	76-80	N/A	48-556	N/A	48-626	N/A
FLH	6	76-80	N/A	48-555	N/A	48-629	N/A
FLH	STD	1978	N/A	N/A	48-914	N/A	N/A
FLH	STD	79-80	N/A	48-532	48-914	48-610	48-677
FLH	STD	81-84	48-543	48-375	48-914	48-610	48-441
FLH	2	81-84	48-550	N/A	N/A	N/A	N/A
FLH	6	81-84	48-378	48-376	N/A	48-629	N/A
FLHR	STD	94-95	48-877	48-895	48-915	48-622	N/A
FLHR	-4	94-95	48-588	48-561	N/A	48-919	N/A
FLHR	8	94-95	N/A	N/A	N/A	48-638	N/A
FLHR	STD	96-99	48-757	48-756	48-915	48-622	N/A
FLHR	-4	96-99	48-878	48-896	N/A	48-919	N/A
FLHR	6	96-99	48-879	48-897	N/A	48-637	N/A
FLHR	STD	00-01	48-757	48-756	N/A	48-920	N/A
FLHR	STD	2002	48-880	48-756	N/A	48-920	N/A
FLHR	STD	03-05	N/A	48-756	N/A	N/A	N/A
FLHR	STD	2006	48-880	48-756	N/A	N/A	N/A
FLHR	STD	2007	48-880	48-756	N/A	48-921	N/A
FLHR	6	2007	N/A	N/A	N/A	48-922	N/A
FLHR	STD	08-11	N/A	N/A	N/A	48-943	N/A
FLHRC	STD	2007	48-880	48-756	N/A	48-921	N/A
FLHRC	6	2007	N/A	N/A	N/A	48-922	N/A
FLHRC	STD	08-11	N/A	N/A	N/A	48-943	N/A

MODEL	LENGTH	YEARS	IDLE	THROTTLE	CHOKE	CLUTCH	SPEEDO
FLHRC-I	STD	98-99	N/A	N/A	N/A	48-622	N/A
FLHRC-I	6	98-99	N/A	N/A	N/A	48-637	N/A
FLHRC-I	STD	00-01	N/A	N/A	N/A	48-920	N/A
FLHRC-I	STD	2002	48-881	48-898	N/A	48-920	N/A
FLHRC-I	STD	03-06	48-880	48-756	N/A	48-920	N/A
FLHR-I	STD	96-97	N/A	N/A	N/A	48-622	N/A
FLHR-I	STD	00-01	N/A	N/A	N/A	48-920	N/A
FLHR-I	STD	2002	48-881	48-898	N/A	48-920	N/A
FLHR-I	STD	03-05	48-880	48-756	N/A	48-920	N/A
FLHR-I	STD	2006	N/A	48-756	N/A	48-920	N/A
FLHRS	STD	04-05	48-882	48-899	N/A	48-920	N/A
FLHRS	STD	2006	48-939	48-899	N/A	48-920	N/A
FLHRS	STD	2007	48-939	48-899	N/A	48-921	N/A
FLHRS	6	2007	N/A	N/A	N/A	48-922	N/A
FLHRS-I	STD	04-06	48-939	48-899	N/A	N/A	N/A
FLHRS-I	STD	2006	N/A	48-899	N/A	48-920	N/A
FLHS	STD	87-89	48-544	N/A	48-916	48-622	48-441
FLHS	-4	87-89	N/A	N/A	N/A	48-919	N/A
FLHS	6	87-89	48-584	48-557	N/A	48-637	N/A
FLHS	STD	90-94	48-552	48-541	48-915	48-622	48-441
FLHS	6	90-94	48-589	48-562	N/A	48-637	N/A
FLHT	STD	1983	48-543	48-375	48-916	48-613	48-668
FLHT	2	1983	48-550	N/A	N/A	N/A	N/A
FLHT	6	1983	48-378	48-376	N/A	N/A	N/A
FLHT	8	1983	48-587	48-554	N/A	N/A	N/A
FLHT	STD	84-85	48-544	48-533	48-916	48-613	48-668
FLHT	STD	1986	48-544	48-533	48-916	48-613	48-444
FLHT	STD	1987	48-544	48-533	48-916	48-622	48-668
FLHT	STD	1995	48-552	48-541	48-915	48-622	48-668
FLHT	6	1995	48-589	48-562	N/A	48-637	N/A
FLHT	STD	96-97	48-753	48-752	48-915	48-622	48-667
FLHT	STD	98-99	48-753	48-752	48-915	48-622	N/A
FLHT	STD	00-01	48-753	48-752	N/A	N/A	N/A
FLHT	STD	2002	48-880	48-752	N/A	v	N/A
FLHT	STD	2006	N/A	48-898	N/A	N/A	N/A
FLHT	STD	2007	N/A	48-898	N/A	48-921	N/A
FLHT	6	2007	N/A	N/A	N/A	48-922	N/A
FLHT	STD	08-10	N/A	N/A	N/A	48-943	N/A
FLHTC	STD	1983	48-543	48-375	48-916	48-944	48-668
FLHTC	2	1983	48-550	N/A	N/A	N/A	N/A
FLHTC	6	1983	48-378	48-376	N/A	N/A	N/A
FLHTC	8	1983	48-587	48-554	N/A	N/A	N/A
FLHTC	STD	84-85	N/A	N/A	48-916	48-944	48-668
FLHTC	STD	1986	N/A	N/A	48-916	48-944	48-444
FLHTC	STD	87-89	N/A	N/A	48-916	48-622	48-668
FLHTC	6	87-89	N/A	N/A	N/A	48-637	N/A
FLHTC	8	87-94	N/A	N/A	N/A	48-638	N/A
FLHTC	-4	87-99	N/A	N/A	N/A	48-919	N/A
FLHTC	STD	90-95	48-552	48-541	48-915	48-622	48-668
FLHTC	6	90-95	48-589	48-562	N/A	48-637	N/A
FLHTC	STD	96-97	48-753	48-752	48-915	48-622	48-667
FLHTC	STD	98-99	48-753	48-752	48-915	48-622	N/A
FLHTC	STD	00-01	48-753	48-752	N/A	N/A	N/A
FLHTC	STD	2002	N/A	48-752	N/A	N/A	N/A
FLHTC	STD	2007	48-881	48-898	N/A	48-921	N/A
FLHTC	6	2007	N/A	N/A	N/A	48-922	N/A
FLHTC	STD	08-11	N/A	N/A	N/A	48-943	N/A
FLHTC-I	STD	96-97	N/A	48-900	N/A	48-622	48-667
FLHTC-I	STD	98-99	N/A	48-900	N/A	48-622	N/A
FLHTC-I	STD	00-01	N/A	48-900	N/A	48-920	N/A
FLHTC-I	STD	02-06	48-881	48-898	N/A	48-920	N/A

MODEL	LENGTH	YEARS	IDLE	THROTTLE	CHOKE	CLUTCH	SPEEDO
FLHTCU	STD	1989	N/A	N/A	48-916	48-622	48-668
FLHTCU	STD	90-95	48-552	48-541	48-915	48-622	48-668
FLHTCU	6	90-95	48-589	48-562	N/A	48-637	N/A
FLHTCU	STD	96-97	48-753	48-752	48-915	48-622	48-667
FLHTCU	STD	2007	N/A	N/A	N/A	48-921	N/A
FLHTCU	6	2007	N/A	N/A	N/A	48-922	N/A
FLHTCU	STD	08-11	N/A	N/A	N/A	48-943	N/A
FLHTCU-I	STD	00-01	N/A	N/A	N/A	48-920	N/A
FLHTCU-I	STD	02-05	48-881	48-898	N/A	48-920	N/A
FLHTCU-I	STD	2006	N/A	48-898	N/A	48-920	N/A
FLHTCU-I	STD	2007	N/A	48-898	N/A	48-920	N/A
FLHT-I	STD	2003	N/A	N/A	N/A	48-920	N/A
FLHT-I	STD	04-06	N/A	48-898	N/A	48-920	N/A
FLHTK	STD	10-11	N/A	N/A	N/A	48-943	N/A
FLHTP	STD	84-85	N/A	48-533	48-916	48-613	48-668
FLHTP	STD	1986	N/A	48-533	48-916	48-613	48-444
FLHTP	STD	87-88	N/A	48-533	48-916	48-622	48-668
FLHTP	-4	87-88	48-585	48-558	N/A	48-919	48-441
FLHTP	6	87-88	48-584	48-557	N/A	48-637	N/A
FLHX	STD	2006	N/A	48-898	N/A	48-920	N/A
FLHX	STD	2007	N/A	48-898	N/A	48-921	N/A
FLHX	6	2007	N/A	N/A	N/A	48-922	N/A
FLHX	STD	08-11	N/A	N/A	N/A	48-943	N/A
FLHX-I	STD	2006	N/A	48-898	N/A	48-920	N/A
FLST	STD	1986	48-543	48-375	48-914	48-613	48-441
FLST	STD	87-89	48-543	48-375	48-914	48-622	48-441
FLST	6	87-89	48-378	48-376	N/A	48-637	N/A
FLST	8	87-89	48-587	48-554	N/A	48-638	N/A
FLST	STD	1990	48-551	48-540	48-915	48-622	48-441
FLST	-4	1990	N/A	N/A	N/A	48-919	N/A
FLST	6	1990	48-588	48-561	N/A	48-637	N/A
FLST	8	1990	48-877	48-895	N/A	48-638	N/A
FLST	STD	2006	48-749	48-748	N/A	N/A	N/A
FLST	6	2006	48-878	48-896	N/A	48-638	N/A
FLST	9	2006	48-757	48-756	N/A	48-926	N/A
FLST	STD	09-10	N/A	N/A	N/A	48-928	N/A
FLST-I	STD	2006	48-749	48-748	N/A	N/A	N/A
FLST-I	6	2006	48-878	48-896	N/A	48-638	N/A
FLST-I	9	2006	48-757	48-756	N/A	N/A	N/A
FLSTC	STD	87-89	48-543	48-375	48-914	48-622	48-441
FLSTC	6	87-89	48-378	48-376	N/A	48-637	48-443
FLSTC	8	87-89	48-587	48-554	N/A	—	48-444
FLSTC	STD	90-95	48-551	48-540	48-915	48-622	48-441
FLSTC	-4	90-95	N/A	N/A	N/A	48-919	N/A
FLSTC	6	90-95	48-588	48-561	N/A	48-637	48-443
FLSTC	8	90-95	48-877	48-895	N/A	48-638	N/A
FLSTC	STD	96-99	48-749	48-748	48-915	48-622	N/A
FLSTC	-4	96-99	N/A	N/A	N/A	48-919	N/A
FLSTC	6	96-99	48-878	48-896	N/A	48-637	N/A
FLSTC	8	96-99	48-757	48-756	N/A	48-638	N/A
FLSTC	STD	00-06	48-749	48-748	48-915	N/A	N/A
FLSTC	6	00-06	48-878	48-896	N/A	48-638	N/A
FLSTC	9	00-06	48-757	48-756	N/A	N/A	N/A
FLSTC	2	05-09	48-751	48-750	N/A	N/A	N/A
FLSTC	STD	07-09	48-749	48-748	N/A	48-928	N/A
FLSTC	6	07-09	48-878	48-896	N/A	N/A	N/A
FLSTC	STD	2010	N/A	N/A	N/A	48-928	N/A
FLSTC-I	STD	01-06	48-749	48-748	N/A	N/A	N/A
FLSTC-I	6	01-06	48-878	48-896	N/A	48-638	N/A
FLSTC-I	9	01-06	48-757	48-756	N/A	N/A	N/A
FLSTC-I	2	05-06	N/A	48-750	N/A	N/A	N/A
FLSTF	STD	90-95	48-551	48-540	48-915	48-622	48-441
FLSTF	-4	90-95	N/A	N/A	N/A	48-919	N/A
FLSTF	6	90-95	48-588	48-561	N/A	48-637	N/A
FLSTF	8	90-95	48-877	48-895	N/A	48-638	N/A

MODEL	LENGTH	YEARS	IDLE	THROTTLE	CHOKE	CLUTCH	SPEEDO
FLSTF	STD	96-99	48-749	48-748	48-915	48-622	N/A
FLSTF	-4	96-99	N/A	N/A	N/A	48-919	N/A
FLSTF	6	96-99	48-878	48-896	N/A	48-637	N/A
FLSTF	STD	00-06	48-749	48-748	48-915	N/A	N/A
FLSTF	6	00-06	48-878	48-896	N/A	48-638	N/A
FLSTF	9	00-06	48-757	48-756	N/A	48-926	N/A
FLSTF	STD	2007	48-749	48-748	N/A	48-928	N/A
FLSTF	6	2007	48-878	48-896	N/A	N/A	N/A
FLSTF	2	07-11	48-751	48-750	N/A	N/A	N/A
FLSTF	STD	08-10	48-749	48-748	N/A	48-730	N/A
FLSTF	6	08-11	48-878	48-896	N/A	N/A	N/A
FLSTF	STD	2011	48-749	48-748	N/A	N/A	N/A
FLSTF-I	STD	01-06	48-749	48-748	N/A	N/A	N/A
FLSTF-I	6	01-06	48-878	48-896	N/A	48-638	N/A
FLSTFB	STD	2010	N/A	N/A	N/A	48-930	N/A
FLSTFB	6	2010-11	48-751	48-750	N/A	N/A	N/A
FLSTFB	9.5	2010-11	48-878	48-896	N/A	N/A	N/A
FLSTN	STD	93-95	48-551	48-540	48-915	48-622	48-441
FLSTN	-4	93-95	N/A	N/A	N/A	48-919	N/A
FLSTN	6	93-95	48-588	48-561	N/A	48-637	N/A
FLSTN	STD	1996	48-749	48-748	48-915	48-622	N/A
FLSTN	-4	1996	N/A	N/A	N/A	48-919	N/A
FLSTN	6	1996	48-878	48-896	N/A	48-637	N/A
FLSTN	STD	2006	48-749	48-748	N/A	48-622	N/A
FLSTN	-4	2006	N/A	N/A	N/A	48-919	N/A
FLSTN	6	2006	48-878	48-896	N/A	48-637	N/A
FLSTN	8	2006	48-757	48-756	N/A	48-638	N/A
FLSTN	STD	07-10	48-749	48-748	N/A	48-930	N/A
FLSTN	2	07-11	48-751	48-750	N/A	N/A	N/A
FLSTN	6	07-11	48-878	48-896	N/A	N/A	N/A
FLSTN-I	STD	2005	48-749	48-748	N/A	N/A	N/A
FLSTN-I	6	2005	48-878	48-896	N/A	N/A	N/A
FLSTN-I	8	2005	48-757	48-756	N/A	N/A	N/A
FLSTN-I	STD	2006	48-749	48-748	N/A	48-622	N/A
FLSTN-I	-4	2006	N/A	N/A	N/A	48-919	N/A
FLSTN-I	6	2006	48-878	48-896	N/A	48-637	N/A
FLSTN-I	8	2006	48-757	48-756	N/A	48-638	N/A
FLSTS	STD	97-99	48-749	48-748	48-915	48-622	N/A
FLSTS	-4	97-99	N/A	N/A	N/A	48-919	N/A
FLSTS	6	97-99	48-878	48-896	N/A	48-637	N/A
FLSTS	9	97-03	48-757	48-756	N/A	48-664	N/A
FLSTS	STD	00-03	48-749	48-748	48-915	N/A	N/A
FLSTS	6	00-03	48-878	48-896	N/A	48-638	N/A
FLSTSB	STD	2008	N/A	N/A	N/A	48-930	N/A
FLSTSB		09-11	N/A	N/A	N/A	48-932	N/A
FLSTSC	STD	2006	48-749	48-748	N/A	N/A	N/A
FLSTSC	6	2006	48-878	48-896	N/A	48-638	N/A
FLSTSC	9	2006	48-757	48-756	N/A	48-664	N/A
FLSTSC	STD	2007	48-749	48-748	N/A	48-928	N/A
FLSTSC	2	2007	48-751	48-750	N/A	N/A	N/A
FLSTSC	6	2007	48-878	48-896	N/A	N/A	N/A
FLSTSC-I	STD	2006	N/A	48-748	N/A	N/A	N/A
FLSTSC-I	6	2006	48-878	48-896	N/A	48-638	N/A
FLSTSC-I	9	2006	48-757	48-756	N/A	48-664	N/A
FLSTS-I	STD	01-03	48-749	48-748	N/A	N/A	N/A
FLSTS-I	6	01-03	48-878	48-896	N/A	48-638	N/A
FLSTS-I	9	01-03	48-757	48-756	N/A	48-664	N/A
FLT	STD	1980	N/A	48-608	48-916	48-379	48-668
FLT	STD	1981	N/A	N/A	48-916	48-379	48-668
FLT	STD	1982	48-543	48-375	48-916	48-379	48-668
FLT	6	1982	48-378	48-376	N/A	48-632	N/A
FLT	2	82-83	48-550	N/A	N/A	N/A	N/A
FLT	STD	1983	48-543	48-375	48-916	N/A	48-668

MODEL	LENGTH	YEARS	IDLE	THROTTLE	CHOKE	CLUTCH	SPEEDO
FLTC	STD	1980	N/A	48-608	48-916	48-379	48-668
FLTC	STD	1981	48-544	48-533	48-916	48-379	48-668
FLTC	6	1981	N/A	N/A	N/A	48-632	N/A
FLTC	STD	1982	48-543	48-375	48-916	48-379	48-668
FLTC	6	1982	48-378	48-376	N/A	48-632	N/A
FLTC	STD	1983	48-543	48-375	48-916	48-613	48-668
FLTC	STD	84-86	48-544	48-533	48-916	48-613	48-668
FLTC	STD	87-89	48-544	48-533	48-916	48-622	48-441
FLTC	-4	87-89	48-585	48-558	N/A	48-919	N/A
FLTC	6	87-89	48-584	48-557	N/A	48-637	48-443
FLTC	STD	90-91	48-552	48-541	48-915	48-622	48-441
FLTC	6	90-91	48-589	48-562	N/A	48-637	48-443
FLTCU	STD	90-95	48-552	48-541	48-915	48-662	48-441
FLTCU	-4	90-95	N/A	N/A	N/A	48-919	N/A
FLTCU	6	90-95	48-589	48-562	N/A	48-637	48-443
FLTCU-I	STD	1996	N/A	48-900	N/A	48-622	48-441
FLTR	STD	98-99	48-753	48-752	48-915	48-622	48-437
FLTR	STD	00-01	48-753	48-752	N/A	48-920	N/A
FLTR	STD	2002	48-880	48-756	N/A	48-920	N/A
FLTR	STD	2003	N/A	N/A	N/A	48-920	N/A
FLTR	STD	2007	48-881	48-898	N/A	48-921	N/A
FLTR	6	2007	N/A	N/A	N/A	48-922	N/A
FLTR	STD	08-10	N/A	N/A	N/A	48-943	N/A
FLTR-I	STD	98-99	N/A	48-900	N/A	48-622	48-437
FLTR-I	STD	00-01	N/A	48-900	N/A	48-920	N/A
FLTR-I	STD	02-06	48-881	48-898	N/A	48-920	N/A
FLTRU	STD	2011	N/A	N/A	N/A	48-943	N/A
FLTRX	STD	2010-11	N/A	N/A	N/A	48-943	N/A
FX	STD	71-72	N/A	N/A	N/A	48-610	48-677
FX	STD	1973	N/A	N/A	48-917	48-610	48-437
FX	STD	74-75	N/A	N/A	48-917	48-610	48-437
FX	6	74-75	N/A	N/A	N/A	48-629	N/A
FX	STD	76-78	N/A	48-532	48-917	48-610	48-437
FX	4	76-78	N/A	48-556	N/A	48-626	N/A
FX	6	76-78	N/A	48-555	N/A	48-629	N/A
FXB	STD	1980	N/A	48-532	48-917	48-610	48-437
FXB	4	1980	N/A	48-556	N/A	48-626	N/A
FXB	6	1980	N/A	48-555	N/A	48-629	N/A
FXB	STD	1981	48-547	48-536	48-917	48-610	48-437
FXB	STD	1982	48-543	48-375	N/A	48-610	48-437
FXB	6	1982	48-378	48-376	N/A	48-629	N/A
FXCW	STD	08-09	48-749	48-748	N/A	N/A	N/A
FXCW	2	08-09	48-751	48-750	N/A	N/A	N/A
FXCW	6	08-09	48-878	48-896	N/A	N/A	N/A
FXCWC	STD	08-10	48-749	48-748	N/A	N/A	N/A
FXCWC	2	08-11	48-751	48-750	N/A	N/A	N/A
FXCWC	6	08-10	48-878	48-896	N/A	N/A	N/A
FXCWC	STD	2011	48-749	48-748	N/A	N/A	N/A
FXCWC	6	2011	48-878	48-896	N/A	N/A	N/A
FXD	STD	1995	48-886	48-903	48-915	48-637	N/A
FXD	6	1995	48-877	48-895	N/A	48-664	N/A
FXD	STD	96-99	48-751	48-750	48-915	48-637	N/A
FXD	-4	96-99	48-888	N/A	N/A	N/A	N/A
FXD	6	96-99	N/A	N/A	N/A	48-664	N/A
FXD	7	96-05	48-757	48-756	N/A	N/A	N/A
FXD	STD	00-05	48-751	48-750	48-915	N/A	N/A
FXD	STD	07-10	48-888	N/A	N/A	48-928	N/A
FXD-I	STD	04-05	48-751	48-750	N/A	N/A	N/A
FXD-I	3	04-05	48-878	48-896	N/A	48-637	N/A
FXD-I	6	04-05	48-757	48-756	N/A	48-638	N/A
FXD-I	STD	2006	48-888	N/A	N/A	48-928	N/A

MODEL	LENGTH	YEARS	IDLE	THROTTLE	CHOKE	CLUTCH	SPEEDO
FXDB	STD	07-11	48-751	48-750	N/A	N/A	N/A
FXDB	2	07-11	48-751	48-750	N/A	N/A	N/A
FXDB	6	07-11	48-878	48-896	N/A	N/A	N/A
FXDB-D	STD	1992	48-886	48-903	48-915	48-637	48-441
FXDB-D	6	1992	48-877	48-895	N/A	48-664	N/A
FXDB-I	6	2006	48-757	48-756	N/A	N/A	N/A
FXDB-S	STD	1991	48-551	48-540	48-915	N/A	48-441
FXDB-S	6	1991	48-588	48-561	N/A	48-638	N/A
FXDC	STD	1992	48-886	48-903	48-915	48-637	48-441
FXDC	6	1992	48-877	48-895	N/A	48-664	N/A
FXDC	STD	07-11	48-749	48-748	N/A	48-932	N/A
FXDC	2	07-11	48-751	48-750	N/A	N/A	N/A
FXDC	6	07-11	48-878	48-896	N/A	N/A	N/A
FXDC-I	STD	2006	48-888	N/A	N/A	48-928	N/A
FXDF	STD	08-11	48-888	N/A	N/A	N/A	N/A
FXDF	1.5	08-11	N/A	48-748	N/A	N/A	N/A
FXDF	3.5	08-11	N/A	N/A	N/A	48-928	N/A
FXDF	17.5	09-11	48-878	48-896	N/A	N/A	N/A
FXDL	STD	93-94	48-886	48-903	48-915	48-637	48-441
FXDL	STD	1995	48-886	48-903	48-915	48-637	N/A
FXDL	STD	96-00	48-751	48-750	48-915	48-637	N/A
FXDL	-4	96-00	48-888	N/A	N/A	N/A	N/A
FXDL	3	96-00	48-878	48-896	N/A	N/A	N/A
FXDL	7	96-00	48-757	48-756	N/A	N/A	N/A
FXDL	STD	01-05	48-751	48-750	48-915	N/A	N/A
FXDL	STD	07-11	48-749	48-748	N/A	48-932	N/A
FXDL	2	07-11	48-751	48-750	N/A	N/A	N/A
FXDL	6	07-11	48-878	48-896	N/A	N/A	N/A
FXDL-I	STD	04-05	48-751	48-750	N/A	N/A	N/A
FXDL-I	3	04-05	48-878	48-896	N/A	48-637	N/A
FXDL-I	6	04-05	48-757	48-756	N/A	48-638	N/A
FXDL-I	STD	2006	48-749	48-748	N/A	48-932	N/A
FXDL-I	2	2006	48-751	48-750	N/A	N/A	N/A
FXDL-I	6	2006	48-878	48-896	N/A	N/A	N/A
FXDS-CON	STD	1995	48-886	48-903	48-915	48-637	N/A
FXDS-CON	STD	96-00	48-751	48-750	48-915	48-637	N/A
FXDS-CON	-4	96-00	48-888	N/A	N/A	N/A	N/A
FXDWG	STD	93-94	48-886	48-903	48-915	48-637	48-668
FXDWG	STD	1995	48-886	48-903	48-915	48-637	N/A
FXDWG	STD	96-05	48-751	48-750	48-915	48-637	N/A
FXDWG	-4	07-08	48-888	N/A	N/A	48-928	N/A
FXDWG	STD	2011	48-749	48-748	N/A	48-928	N/A
FXDWG	2	2011	48-751	48-750	N/A	N/A	N/A
FXDWG	6	2011	48-878	48-896	N/A	N/A	N/A
FXDWG-I	STD	04-05	48-751	48-750	N/A	48-637	N/A
FXDWG-I	2	04-05	48-878	48-896	N/A	48-638	N/A
FXDWG-I	6	04-05	48-757	48-756	N/A	48-664	N/A
FXDWG-I	-4	2006	N/A	N/A	N/A	48-928	N/A
FXDWG-I	2	2006	48-878	48-896	N/A	N/A	N/A
FXDWG-I	6	2006	48-757	48-756	N/A	N/A	N/A
FXDX	STD	99-05	48-751	48-750	48-915	N/A	N/A
FXDX	3	99-05	48-878	48-896	N/A	48-637	N/A
FXDX	6	99-05	48-757	48-756	N/A	48-638	N/A
FXDX-I	STD	04-05	48-751	48-750	N/A	N/A	N/A
FXDX-I	3	04-05	48-878	48-896	N/A	48-637	N/A
FXDX-I	6	04-05	48-757	48-756	N/A	48-638	N/A
FXDXT	STD	01-03	48-751	48-750	N/A	N/A	N/A
FXDXT	3	01-03	48-878	48-896	N/A	48-637	N/A
FXDXT	6	01-03	48-757	48-756	N/A	48-638	N/A

MODEL	LENGTH	YEARS	IDLE	THROTTLE	CHOKE	CLUTCH	SPEEDO
FXE	STD	74-75	N/A	N/A	48-917	48-610	48-437
FXE	6	74-75	N/A	N/A	N/A	48-629	48-440
FXE	STD	76-80	N/A	48-532	48-917	48-610	48-437
FXE	4	76-80	N/A	48-556	N/A	48-626	N/A
FXE	6	76-80	N/A	48-555	N/A	48-629	48-440
FXE	STD	1981	48-543	48-375	48-917	48-610	48-437
FXE	6	81-84	48-378	48-376	N/A	48-629	N/A
FXE	STD	82-84	48-543	48-375	N/A	48-610	48-437
FXEF	STD	79-80	N/A	48-532	48-917	48-610	48-437
FXEF	4	79-80	N/A	48-556	N/A	48-626	N/A
FXEF	6	79-80	N/A	48-555	N/A	48-629	N/A
FXEF	STD	1981	48-543	48-375	48-917	48-610	48-437
FXEF	6	81-85	48-378	48-376	N/A	48-629	N/A
FXEF	STD	82-84	48-543	48-375	N/A	48-610	48-437
FXEF	STD	1985	48-543	48-375	N/A	48-610	48-436
FXLR	STD	87-89	48-545	48-534	48-916	48-621	48-437
FXLR	-4	87-89	N/A	N/A	N/A	48-620	48-436
FXLR	6	87-89	48-585	48-558	N/A	48-636	48-440
FXLR	STD	90-94	48-551	48-540	48-915	48-621	48-437
FXLR	-3	90-94	N/A	N/A	N/A	48-620	48-436
FXLR	2	90-94	48-886	48-903	N/A	—	N/A
FXLR	6	90-94	48-588	48-561	N/A	48-636	N/A
FXLR	9	90-94	48-877	48-895	N/A	48-639	N/A
FXR	STD	1982	48-543	48-375	48-916	48-379	48-443
FXR	STD	1983	48-543	48-375	48-916	48-613	48-443
FXR	STD	1986	48-543	48-375	48-916	48-613	48-437
FXR	STD	87-89	48-543	48-375	48-916	—	48-437
FXR	2	87-89	48-550	N/A	N/A	48-636	48-438
FXR	6	87-89	48-378	48-376	N/A	48-639	48-440
FXR	STD	90-94	48-551	48-540	48-915	—	48-437
FXR	6	90-94	48-588	48-561	N/A	48-639	N/A
FXRC	STD	1985	48-543	48-375	48-916	48-613	48-438
FXRC	6	1985	48-378	48-376	N/A	N/A	N/A
FXRC	STD	1987	48-543	48-375	48-916	—	48-438
FXRC	6	1987	48-378	48-376	N/A	48-639	N/A
FXRD	STD	1986	48-545	48-534	48-916	48-613	48-440
FXRDG	STD	1984	48-543	48-375	48-916	48-613	48-440
FXRP	STD	1984	48-543	48-375	48-916	48-613	48-443
FXRP	STD	1985	48-585	N/A	48-916	48-613	48-437
FXRP	STD	1986	48-585	N/A	48-916	48-613	48-438
FXRP	STD	87-88	48-585	N/A	48-916	48-622	48-438
FXRS	STD	1982	48-543	48-375	48-916	48-379	48-443
FXRS	6	1982	48-378	48-376	N/A	48-632	N/A
FXRS	STD	1983	48-543	48-375	48-916	48-613	48-443
FXRS	STD	84-86	48-543	48-375	48-916	48-613	48-437
FXRS	STD	1987	48-543	48-375	48-916	—	48-437
FXRS	6	87-89	48-378	48-376	N/A	48-639	N/A
FXRS	STD	88-89	48-543	48-375	48-916	—	48-441
FXRS	STD	90-92	48-551	48-540	48-915	—	48-441
FXRS	6	90-92	48-588	48-561	N/A	48-639	N/A
FXRS-CON	STD	90-94	48-551	48-540	48-915	—	48-667
FXRS-CON	6	90-94	48-588	48-561	N/A	48-639	N/A
FXRS-SP	STD	85-86	48-543	48-375	48-916	48-613	48-438
FXRS-SP	STD	87-89	48-545	48-534	48-916	48-620	48-667
FXRS-SP	6	87-89	48-585	48-558	N/A	—	N/A
FXRS-SP	STD	90-93	48-551	48-540	48-915	48-620	48-667
FXRS-SP	6	90-93	48-588	48-561	N/A	—	N/A
FXRS-SP	9	90-93	48-877	48-895	N/A	48-636	N/A
FXRT	STD	83-84	48-545	48-534	48-916	48-613	48-440
FXRT	STD	1985	48-545	48-534	48-916	48-613	48-667
FXRT	STD	1986	48-545	48-534	48-916	48-613	48-440
FXRT	STD	87-89	48-545	48-534	48-916	—	48-440
FXRT	6	87-89	48-585	48-558	N/A	48-639	N/A
FXRT	STD	90-92	48-551	48-540	48-915	—	48-440
FXRT	6	90-92	48-588	48-561	N/A	N/A	N/A

MODEL	LENGTH	YEARS	IDLE	THROTTLE	CHOKE	CLUTCH	SPEEDO
FXS	STD	77-80	N/A	48-532	48-917	48-610	48-437
FXS	4	77-80	N/A	48-556	N/A	48-626	N/A
FXS	6	77-80	N/A	48-555	N/A	48-629	N/A
FXS	STD	1981	48-543	48-375	48-917	48-610	48-437
FXS	6	81-84	48-378	48-376	N/A	48-629	N/A
FXS	STD	82-84	48-543	48-375	N/A	48-610	48-437
FXSB	STD	83-85	48-543	48-375	N/A	48-610	48-437
FXSB	6	83-85	48-378	48-376	N/A	48-629	N/A
FXST	STD	84-85	48-543	48-375	48-914	48-610	48-668
FXST	6	84-85	48-378	48-376	N/A	48-629	N/A
FXST	STD	1986	48-543	48-375	48-914	N/A	48-668
FXST	STD	87-89	48-543	48-375	48-914	48-622	48-668
FXST	6	87-89	48-378	48-376	N/A	48-637	N/A
FXST	8	87-89	48-587	48-554	N/A	48-638	N/A
FXST	STD	1990	48-551	48-540	48-915	48-622	48-668
FXST	6	1990	48-588	48-561	N/A	48-637	N/A
FXST	STD	1999	48-749	48-748	48-915	48-622	N/A
FXST	-4	1999	N/A	N/A	N/A	48-919	N/A
FXST	6	1999	48-878	48-896	N/A	48-637	N/A
FXST	2	99-04	48-751	N/A	N/A	N/A	N/A
FXST	STD	00-06	48-749	48-748	48-915	N/A	N/A
FXST	6	00-06	48-878	48-896	N/A	48-638	N/A
FXST	2	05-11	48-751	48-750	N/A	N/A	N/A
FXST	STD	07-10	48-749	48-748	N/A	48-928	N/A
FXST	6	09-10	48-878	48-896	N/A	N/A	N/A
FXST	STD	2011	48-749	48-748	N/A	N/A	N/A
FXST	6	2011	48-878	48-896	N/A	N/A	N/A
FXSTB	STD	1999	N/A	N/A	48-915	N/A	N/A
FXSTB	STD	00-06	N/A	N/A	48-915	48-919	N/A
FXSTB	6	00-06	48-751	48-750	N/A	N/A	N/A
FXSTB	12	00-06	48-878	48-896	N/A	48-638	N/A
FXSTB	9.5	00-09	48-878	48-896	N/A	N/A	N/A
FXSTB	STD	07-09	N/A	N/A	N/A	48-934	N/A
FXSTB	6	07-09	48-751	48-750	N/A	N/A	N/A
FXSTB-I	STD	2000	N/A	N/A	N/A	48-919	N/A
FXSTB-I	9.5	00-05	48-878	48-896	N/A	N/A	N/A
FXSTB-I	STD	01-05	N/A	N/A	N/A	48-919	N/A
FXSTB-I	6	01-05	48-751	48-750	N/A	N/A	N/A
FXSTB-I	6	2006	48-751	48-750	N/A	N/A	N/A
FXSTC	STD	1986	48-543	48-375	48-914	N/A	48-668
FXSTC	STD	87-89	48-543	48-375	48-914	48-622	48-668
FXSTC	6	87-89	48-378	48-376	N/A	48-637	N/A
FXSTC	8	87-89	48-587	48-554	N/A	48-638	N/A
FXSTC	STD	90-95	48-551	48-540	48-915	48-622	48-668
FXSTC	-4	90-95	N/A	N/A	N/A	48-919	N/A
FXSTC	6	90-95	48-588	48-561	N/A	48-637	N/A
FXSTC	STD	96-99	48-749	48-748	48-915	48-622	N/A
FXSTC	-4	96-99	N/A	N/A	N/A	48-919	N/A
FXSTC	6	96-99	48-878	48-896	N/A	48-637	N/A
FXSTC	STD	2000	48-749	48-748	N/A	N/A	N/A
FXSTC	6	2000	48-878	48-896	N/A	48-638	N/A
FXSTC	STD	2007	N/A	N/A	N/A	48-928	N/A
FXSTC	STD	08-10	N/A	N/A	N/A	48-928	N/A
FXSTD	STD	00-06	48-749	48-748	48-915	48-622	N/A
FXSTD	-4	01-03	N/A	N/A	N/A	48-919	N/A
FXSTD	2	01-06	48-751	48-750	N/A	N/A	N/A
FXSTD	6	01-06	48-878	48-896	N/A	N/A	N/A
FXSTD	STD	2007	48-749	48-748	N/A	48-930	N/A
FXSTD	STD	2008	N/A	N/A	N/A	48-934	N/A
FXSTD-I	-4	01-03	N/A	N/A	N/A	48-919	N/A
FXSTD-I	STD	01-06	48-749	48-748	N/A	48-622	N/A
FXSTD-I	6	01-06	48-878	48-896	N/A	48-637	N/A
FXSTD-I	2	04-06	48-751	48-750	N/A	N/A	N/A
FXST-I	STD	01-06	48-749	48-748	N/A	N/A	N/A
FXST-I	6	01-06	48-878	48-896	N/A	48-638	N/A

MODEL	LENGTH	YEARS	IDLE	THROTTLE	CHOKE	CLUTCH	SPEEDO
FXSTS	STD	1988	48-550	N/A	48-914	N/A	48-668
FXSTS	STD	1988	N/A	N/A	N/A	48-622	N/A
FXSTS	6	88-89	48-587	48-554	N/A	48-637	N/A
FXSTS	STD	1989	48-550	N/A	48-914	48-622	48-668
FXSTS	STD	90-95	48-553	48-542	48-915	48-622	48-668
FXSTS	STD	96-99	48-755	48-754	48-915	48-622	N/A
FXSTS	STD	00-03	48-755	48-754	48-915	N/A	N/A
FXSTS	STD	04-05	48-749	N/A	48-915	N/A	N/A
FXSTS	6	04-06	48-878	48-896	N/A	48-638	N/A
FXSTS	STD	2006	48-749	48-748	48-915	N/A	N/A
FXSTSB	STD	1995	48-551	48-540	48-915	N/A	48-668
FXSTSB	6	1995	48-588	48-561	N/A	48-638	N/A
FXSTSB	STD	96-97	48-749	48-748	48-915	N/A	N/A
FXSTSB	2	96-97	48-751	48-750	N/A	N/A	N/A
FXSTSB	6	96-97	48-878	48-896	N/A	48-638	N/A
FXSTSB	9	96-97	48-757	48-756	N/A	N/A	N/A
FXSTS-I	STD	01-03	48-755	48-754	N/A	N/A	N/A
FXSTS-I	STD	04-06	48-749	48-748	N/A	N/A	N/A
FXSTS-I	6	2005	48-878	48-896	N/A	N/A	N/A
FXWG	STD	1980	N/A	48-907	48-914	48-610	48-677
FXWG	4	1980	N/A	N/A	N/A	48-626	N/A
FXWG	6	1980	N/A	N/A	N/A	48-629	N/A
FXWG	STD	81-83	48-543	48-375	48-914	48-610	48-677
FXWG	6	81-86	48-378	48-376	N/A	48-629	N/A
FXWG	STD	84-86	48-543	48-375	48-914	48-610	48-668
V-ROD							
VRSCA	STD	01-07	48-890	N/A	N/A	N/A	N/A
VRSCAW	STD	08-09	48-890	N/A	N/A	N/A	N/A
VRSCAWA	STD	2008	48-890	N/A	N/A	N/A	N/A
VRSCDX	STD	07-11	48-892	N/A	N/A	N/A	N/A
VRSCDXA	STD	2008	48-892	N/A	N/A	N/A	N/A
VRSCF	STD	09-11	48-890	N/A	N/A	N/A	N/A
VRSCX	STD	07-08	48-892	N/A	N/A	N/A	N/A
XL	STD	57-59	N/A	N/A	N/A	N/A	N/A
XL1200L	STD	07-08	N/A	N/A	N/A	48-935	N/A
XLCH	STD	58-69	N/A	N/A	N/A	N/A	N/A
XLCH	STD	1970	N/A	N/A	N/A	N/A	48-678
XLCH	STD	1971	N/A	N/A	N/A	48-618	48-678
XLCH	6	71-72	N/A	N/A	N/A	48-633	N/A
XLCH	STD	1972	N/A	N/A	48-917	48-618	48-678
XLCH	STD	1973	N/A	N/A	48-917	48-618	48-437
XLCH	STD	74-75	N/A	N/A	48-917	48-618	48-668
XLCH	6	74-75	N/A	N/A	N/A	48-633	N/A
XLCH	STD	1976E	N/A	N/A	48-917	48-618	48-668
XLCH	STD	1976L	N/A	48-532	48-917	48-618	48-668
XLCH	6	1976E	N/A	48-555	N/A	48-633	N/A
XLCH	6	1976L	N/A	N/A	N/A	48-633	N/A
XLCH	STD	77-79	N/A	48-532	48-917	48-618	48-668
XLCH	6	77-79	N/A	48-555	N/A	48-633	N/A
XLCR	STD	77-78	N/A	48-532	48-917	48-617	48-668
XLH	STD	58-69	N/A	N/A	N/A	N/A	N/A
XLH	6	58-70	N/A	N/A	N/A	N/A	N/A
XLH	STD	1970	N/A	N/A	N/A	N/A	48-678
XLH	STD	1971	N/A	N/A	N/A	48-618	48-678
XLH	STD	1972	N/A	N/A	48-917	48-618	48-678
XLH	STD	1973	N/A	N/A	48-917	48-618	48-437
XLH	STD	74-75	N/A	N/A	48-917	48-618	48-668
XLH	6	74-75	N/A	N/A	N/A	48-633	N/A
XLH	STD	1976E	N/A	N/A	48-917	48-618	48-668
XLH	STD	1976L	N/A	48-532	48-917	48-618	48-668
XLH	6	1976E	N/A	48-555	N/A	48-633	N/A
XLH	6	1976L	N/A	N/A	N/A	48-633	N/A
XLH	STD	77-79	N/A	48-532	48-917	48-618	48-668
XLH	6	77-80	N/A	48-555	N/A	48-633	N/A
XLH	STD	1980	N/A	48-532	48-917	48-618	48-668
XLH	STD	81-83	48-543	48-375	N/A	48-618	48-668

MODEL	LENGTH	YEARS	IDLE	THROTTLE	CHOKE	CLUTCH	SPEEDO
XLH	6	81-85	48-378	48-376	N/A	48-633	N/A
XLH	STD	84-85	48-543	48-375	N/A	48-618	48-437
XLH1100	STD	86-87	48-546	48-535	N/A	48-624	48-438
XLH1200	STD	88-91	48-549	48-538	48-915	48-624	48-438
XLH1200	STD	1992	48-549	48-538	48-918	48-624	48-438
XLH1200	STD	93-94	48-549	48-538	48-918	48-624	48-667
XLH1200	STD	1995	48-549	48-538	48-918	48-624	N/A
XLH1200	STD	96-99	48-763	48-762	48-918	48-936	N/A
XLH1200	STD	2000	48-763	48-762	48-918	48-619	N/A
XLH1200	STD	01-03	48-763	48-762	48-918	48-936	N/A
XLH1200C	STD	96-98	48-759	48-758	48-918	48-936	N/A
XLH1200C	STD	1999	48-761	48-760	48-918	48-936	N/A
XLH1200C	1	1999	48-763	48-762	N/A	48-634	N/A
XLH1200C	STD	2000	48-893	48-913	48-918	48-936	N/A
XLH1200C	STD	2001	48-893	48-913	48-918	48-619	N/A
XLH1200C	STD	02-03	48-761	48-760	N/A	48-619	N/A
XLH1200C	STD	04-06	48-761	48-760	N/A	48-937	N/A
XLH1200C	2	2007	N/A	48-758	N/A	N/A	N/A
XLH1200C	STD	07-10	48-940	48-762	N/A	48-935	N/A
XLH1200L	2	2007	N/A	48-758	N/A	N/A	N/A
XLH1200L	STD	07-09	48-940	48-762	N/A	48-935	N/A
XLH1200N	STD	07-11	48-940	48-762	N/A	48-935	N/A
XLH1200R	STD	04-06	48-761	48-760	N/A	48-937	N/A
XLH1200R	3	04-06	48-759	48-758	N/A	48-634	N/A
XLH1200R	STD	07-09	48-940	48-762	N/A	48-937	N/A
XLH1200S	STD	96-99	48-761	48-760	48-918	48-619	N/A
XLH1200S	STD	2000	48-761	48-760	48-918	48-936	N/A
XLH1200S	1	2000	48-763	48-762	N/A	48-634	N/A
XLH1200S	STD	01-03	48-761	48-760	48-918	48-619	N/A
XLH50	STD	2007	48-940	48-762	N/A	N/A	N/A
XLH883	STD	86-87	48-546	48-535	N/A	48-619	48-438
XLH883	STD	88-90	N/A	48-538	48-915	48-619	48-438
XLH883	STD	1991	N/A	48-538	48-915	48-619	48-667
XLH883	STD	92-94	N/A	48-538	48-918	48-619	48-667
XLH883	STD	1995	N/A	48-538	48-918	48-619	N/A
XLH883	STD	96-99	48-761	48-760	48-918	48-619	N/A
XLH883	STD	2000	48-761	48-760	48-918	48-936	N/A
XLH883	STD	01-03	48-761	48-760	48-918	48-619	N/A
XLH883	STD	04-06	48-761	48-760	N/A	48-937	N/A
XLH883	3	04-06	48-759	48-758	N/A	48-634	N/A
XLH883	STD	07-08	48-940	48-762	N/A	48-937	N/A
XLH883C	STD	1999	48-761	48-760	48-918	48-936	N/A
XLH883C	1	1999	48-763	48-762	N/A	48-634	N/A
XLH883C	STD	00-01	48-893	48-913	48-918	48-936	N/A
XLH883C	STD	02-03	48-761	48-760	48-918	48-936	N/A
XLH883C	1	02-04	48-763	48-762	N/A	48-634	N/A
XLH883C	STD	04-06	48-761	48-760	N/A	48-937	N/A
XLH883C	3	04-06	48-759	48-758	N/A	48-634	N/A
XLH883C	STD	07-10	48-940	48-762	N/A	48-937	N/A
XLH883C	2	07-08	N/A	48-758	N/A	N/A	N/A
XLH883DLXSTD		86-87	48-546	48-535	N/A	48-619	48-438
XLH883DLXSTD		88-90	48-549	48-538	48-915	48-619	48-438
XLH883DLXSTD		1991	48-549	48-538	48-915	48-619	48-667
XLH883DLXSTD		92-94	48-549	48-538	48-918	48-624	48-667
XLH883DLXSTD		1995	48-549	48-538	48-918	48-624	N/A
XLH883HUGSTD		1987	48-546	48-535	N/A	48-624	48-438
XLH883HUGSTD		88-90	48-549	48-538	48-915	48-624	48-438
XLH883HUGSTD		1991	48-549	48-538	48-915	48-624	48-667
XLH883HUGSTD		92-94	48-549	48-538	48-918	48-624	48-667
XLH883HUGSTD		1995	48-549	48-538	48-918	48-624	N/A
XLH883HUGSTD		96-99	48-763	48-762	48-918	48-936	N/A
XLH883HUGSTD		2000	48-763	48-762	48-918	48-619	N/A
XLH883HUGSTD		01-03	48-763	48-762	48-918	48-936	N/A

MODEL	LENGTH	YEARS	IDLE	THROTTLE	CHOKE	CLUTCH	SPEEDO
XLH883L	STD	2005	48-761	48-760	N/A	48-937	N/A
XLH883L	3	2005	48-759	48-758	N/A	48-634	N/A
XLH883L	STD	2006	48-761	48-760	N/A	48-935	N/A
XLH883L	STD	07-10	48-940	48-762	N/A	48-935	N/A
XLH883L	2	2007	N/A	48-758	N/A	N/A	N/A
XLH883N	STD	09-11	N/A	48-762	N/A	48-937	N/A
XLH883R	STD	02-03	48-763	48-762	48-918	48-619	N/A
XLH883R	STD	2006	48-761	48-760	N/A	48-937	N/A
XLH883R	3	2006	48-759	48-758	N/A	48-634	N/A
XLH883R	STD	07-11	48-940	48-762	N/A	48-937	N/A
XLH883R	2	2007	N/A	48-758	N/A	N/A	N/A
XLS	STD	1979	N/A	48-532	48-917	48-617	48-443
XLS	STD	1980	N/A	48-532	N/A	48-617	48-443
XLS	STD	81-82	48-543	48-375	N/A	48-618	48-443
XLS	6	81-82	48-378	48-376	N/A	48-633	N/A
XLS	STD	1983	48-548	48-537	N/A	48-618	48-440
XLS	STD	1984	48-548	48-537	N/A	48-618	N/A
XLS	STD	1985	48-548	48-537	N/A	48-618	48-667
XLT	STD	1977	N/A	48-532	48-917	48-618	48-668
XLT	6	1977	N/A	48-555	N/A	48-633	N/A
XLX	STD	83-85	48-543	48-375	N/A	48-617	48-437
XR1000	STD	83-84	N/A	N/A	N/A	48-618	48-437

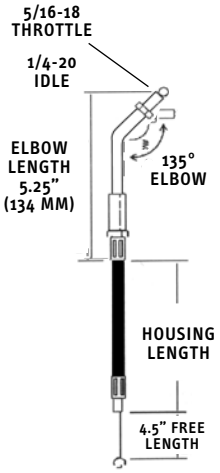
DUAL THROTTLE CABLES FOR SPORTSTER® 1986 & 1987 WITH STOCK CARB

HOUSING LENGTH	ELBOW FITTING BEND	YEAR	APPLICATION	THROTTLE OEM NO.	IDLE OEM NO.
35.25"	45°	1986 & 1987	Sportster®	56308-86	56309-86

Fits Sportster® 1986 & 1987 with stock style dual pull threaded twist throttle grip and Keihin carb (not CV).

BEND — LENGTH	THROTTLE 45° — 30.5" (OEM 56308-86)	IDLE (OEM 56309-86)
Barnett — Black	—	**48-486**
Motion Pro — Black	**48-535**	**48-546**

ALL CABLES SOLD EACH



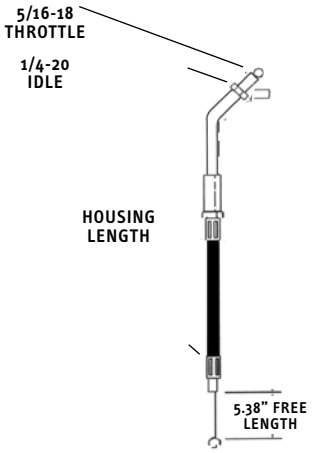
DUAL THROTTLE CABLES
FOR SPORTSTER® 1988 THRU 1995 WITH STOCK CARB

COIL LENGTH	ELBOW FITTING BEND	YEAR	APPLICATION	THROTTLE OEM NO.	IDLE OEM NO.
35"	90°	1988 thru 1995	Sportster®	56308-88	56309-88

Fits Sportster® 1988 thru 1985 with stock style dual pull threaded twist throttle grip and CV carb.

BEND — LENGTH	THROTTLE 45° — 35" (OEM 56308-88)	IDLE (OEM 56309-88)
Motion Pro — Black	**48-538**	**48-549**
Motion Pro — Stainless	**48-571**	**48-596**

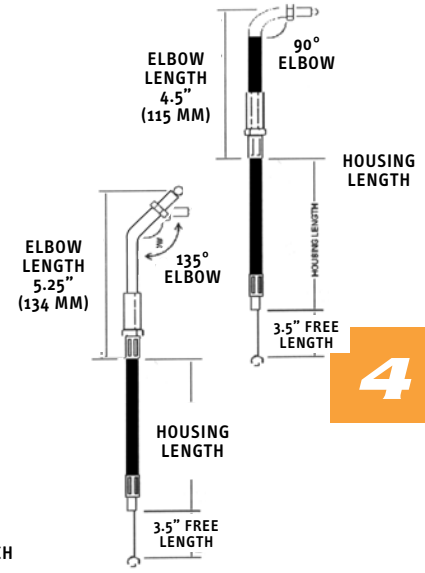
ALL CABLES SOLD EACH



DUAL THROTTLE CABLES FOR BIG TWIN 1981 THRU 1989 AND SPORTSTER® 1981 THRU 1985

HOUSING LENGTH	ELBOW FITTING BEND	YEAR	APPLICATION	THROTTLE OEM NO.	IDLE OEM NO.
28.5"	90°	1981	FXB	56332-81	56331-81
30"	90°	1983 thru 1985	XLS	56333-83	56334-83
32.5"	90°	1983 thru 1989	FXRT, FXRS-SP & FXRD	56336-83	56337-83
		1987	FXR	56336-83	56337-83
32.5"	45°	1983 & 1983	FLT	56324-81	56323-81
		1981 thru 1984	FL		
		1982 thru 1989	FXR & FXRS		
		1981 thru 1986	FX		
		1984 thru 1989	FXST (except Fat Boy® & Springer®)		
		1981 thru 1985	XL & XLX		
		1981 & 1982	XLS		
35"	45°	L. 1988 & 1989	Softail® Springer®	56306-88	56305-88
42.5"	90°	1981	FLT	56327-81	56328-81
		1984 thru 1989	FLT		

ALL CABLES SOLD EACH



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Fits Big Twin 1981 thru 1989 & Sportster® 1981 thru 1985 with stock style dual pull throttle & Keihin carb, as well as S&S® "E" and "G" carbs when using early S&S® cable guide.

90 ° THROTTLE CABLES

BEND —LENGTH	THROTTLE 90° — 28.5" (OEM 56332-81)	IDLE (OEM 56331-81T)	THROTTLE 90° — 30" (OEM 56333-83)	IDLE (OEM 56334-83)	THROTTLE 90° — 32.5" (OEM 56336-83)	IDLE (OEM 56337-83)
Motion Pro — Black	**48-536**	**48-547**	**48-537**	**48-548**	**48-534**	**48-545**
Motion Pro — Stainless	**48-569**	**48-594**	**48-570**	N/A	**48-567**	**48-592**

THROTTLE BEND —LENGTH	THROTTLE 90° — 35.5" (OEM 56343-88)	IDLE (OEM 56342-88)	THROTTLE 90° — 38.5"	IDLE
Motion Pro — Black	—	—	**48-558**	**48-585**
Motion Pro — Stainless			**48-577**	**48-602**

BEND —LENGTH	THROTTLE 90° — 41.5"	IDLE	THROTTLE 90° — 42.5" (OEM 56327-81B)	IDLE (OEM 56328-81B)	THROTTLE 90° — 48.5"	IDLE
Motion Pro — Black	—	—	**48-533**	**48-544**	**48-557**	**48-584**
Motion Pro — Stainless	—	—	—	**48-591**	**48-576**	**48-601**

45 ° THROTTLE CABLES

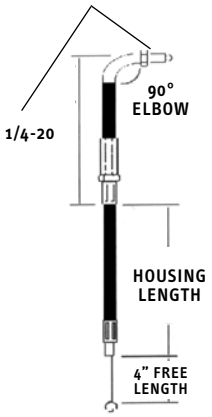
BEND — LENGTH	THROTTLE 45° — 32.5" (OEM 56324-81C)	IDLE (OEM 56323-81T)	THROTTLE 45° — 35" (OEM 56306-88)	IDLE (OEM 56305-88)	THROTTLE 45° — 38.5"	IDLE
Motion Pro — Black	**48-375**	**48-543**	**48-539**	**48-550**	**48-376**	**48-378**
Motion Pro — Stainless	**48-563**	**48-590**	**48-572**	**48-597**	**48-575**	**48-600**

BEND — LENGTH	THROTTLE 45° — 41"	IDLE
Motion Pro — Black	**48-554**	**48-587**
Motion Pro — Stainless	**48-580**	**48-605**

SINGLE THROTTLE CABLES FOR BIG TWIN & SPORTSTER®
1976 THRU 1980 WITH STOCK CARB

HOUSING LENGTH	ELBOW FITTING BEND	YEAR	APPLICATION	THROTTLE OEM NO.
32.5"	90°	1976 thru 1980	FX	56313-76
		1976 thru 1980	FL	
		1976 thru 1980	Sportster®	

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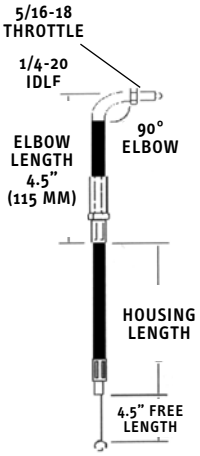
Fits Big Twin & Sportster® 1976 thru 1980 with stock style throttle grip and Keihin carb.

BEND — LENGTH	THROTTLE 90° - 32.5" (OEM 56313-76)	THROTTLE 90° - 36.5"	THROTTLE 90° - 38.5"	THROTTLE 90° - 42"
Motion Pro — Black	**48-532**	**48-556**	**48-555**	**48-608**
Motion Pro — Stainless	**48-564**	**48-565**	—	—
Midwest — Black	**48-306**	**48-406**	—	—

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DUAL THROTTLE CABLES
FOR BIG TWIN 1990 THRU 1995 WITH STOCK CARB

HOUSING LENGTH	ELBOW FITTING BEND	YEAR	APPLICATION	THROTTLE OEM NO.	IDLE OEM NO.
30"	90°	1990 thru 1995	FXR & Softail®	56343-90	56342-90
		1990 thru 1995	Softail® (except Springer®)		
		1991 thru 1995	Dyna®		
36"	90°	1990 thru 1995	Softail®	56306-90	56305-90
38"	90°	1990 thru 1995	FLT	56327-90	56328-90
44"	90°	1994 & 1995	FLHR	56375-94	56374-90



Fits Big Twin 1981 thru 1995 with stock style dual throttle and CV carb.

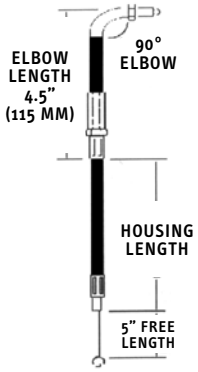
BEND — LENGTH	THROTTLE 90° — 30" (OEM 56343-90)	IDLE (OEM 56342-90)	THROTTLE 90° — 36" (OEM 56306-90)	IDLE (OEM 56305-90)	THROTTLE `90° — 38" (OEM 56327-90)	IDLE (OEM 56328-90)
Motion Pro — Black	**48-540**	**48-551**	**48-561**	**48-588**	**48-541**	**48-552**
			48-542 (NOTE 1)	**48-553** (NOTE 1)		
Motion Pro — Stainless	**48-573**	**48-598**	**48-581**	**48-606**	**48-574**	**48-599**
Import — Stainless	—	—	**48-802**	**48-805**	—	**48-803**

BEND — LENGTH	THROTTLE 90° — 44" (OEM 56375-94)	IDLE (OEM 56374-94)
Motion Pro — Black	**48-562**	**48-589**
Motion Pro — Stainless	**48-582**	**48-607**

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DUAL THROTTLE CABLES
FOR BIG TWIN 1996 & LATER WITH STOCK CARB



HOUSING LENGTH	ELBOW FITTING BEND	YEAR	APPLICATION	THROTTLE OEM NO.	IDLE OEM NO.
31.5"	90°	1996 & Later	Softail®	56343-96	56342-96
33.5"	90°	1996 & Later	Dyna®	56356-96	56355-96
39.5"	90°	1996 & Later	FLHT	56327-96	56328-96

NOTE: Although Barnett uses the same OEM numbers, Barnett cable housings tend to be 1-1/2" longer than Motion Pro cable housings.

BEND — LENGTH	THROTTLE 90° — 31.5" (OEM 56343-96)	IDLE (OEM 56342-96)	THROTTLE 90° — 33.5" (OEM 56356-96)	IDLE (OEM 56355-96)	THROTTLE 90° — 34.5" (OEM 56306-96)	IDLE (OEM 56305-96)
Motion Pro — Black	**48-748**	**48-749**	**48-750**	**48-751**	**48-754**	**48-755**
Motion Pro — Stainless	**48-764**	**48-765**	**48-766**	**48-767**	**48-770**	**48-771**

BEND — LENGTH	THROTTLE 90° — 39.5" (OEM 56327-96)	IDLE (OEM 56328-96)	THROTTLE 90° — 40.5" (OEM 56376-96)	IDLE (OEM 56375-96)
Motion Pro — Black	**48-752**	**48-753**	**48-756**	**48-757**
Motion Pro — Stainless	**48-842**	**48-769**	**48-772**	**48-773**

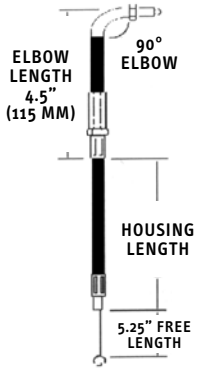
ALL CABLES SOLD EACH

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DUAL THROTTLE CABLES FOR SPORTSTER® 1996 & LATER WITH STOCK CARB

ALL CABLES SOLD EACH

HOUSING LENGTH	ELBOW FITTING BEND	YEAR	APPLICATION	THROTTLE OEM NO.	IDLE OEM NO.
30.5"	90°	1996 & Later	XLH 1200cc	56400-96	56401-96
31.5"	90°	1996 & Later	XLH 883cc Hugger®	56308-96	56309-96
		1996 & Later	XLH 1200cc		
33.8"	90°	1996 & Later	XLH 1200cc	56381-96	56382-96



Fits Evolution® Sportster® 1996 & later with stock style unthreaded dual throttle housing and Keihin CV carb.

BEND — LENGTH	THROTTLE 90° — 30.5" (OEM 56400-96)	IDLE (OEM 56401-96)	THROTTLE 90° — 31.8" (OEM 56308-96)	IDLE (OEM 56309-96)	THROTTLE 90° — 33.8" (OEM 56381-96)	IDLE (OEM 56382-96)
Barnett — Black	—	—	**48-694**	—	—	—
Motion Pro — Black	**48-760**	**48-761**	**48-762**	**48-763**	**48-758**	**48-759**
Motion Pro — Stainless	**48-776**	**48-777**	**48-778**	**48-779**	**48-774**	**48-775**

UNIVERSAL THROTTLE CABLES

HOUSING LENGTH	ELBOW FITTING BEND	DESCRIPTION
72"	—	Cable has ball on one end and other end loose.
55"	—	Cable has ball on one end and barrel on other end.

For use on carbs with cable clamp on throttle arm. Cut to desired length.

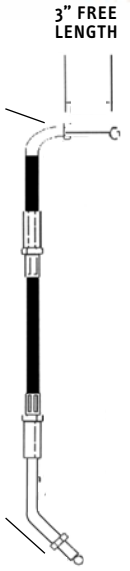
LENGTH	THROTTLE (See chart above)
Midwest — Black	48-14

ALL CABLES SOLD EACH

DUAL THROTTLE CABLES FOR BIG TWIN AND SPORTSTER®
1981 THRU 1995 WITH MIKUNI HSR 42 / 45mm CARBS

HOUSING LENGTH	ELBOW FITTING BEND	YEAR	APPLICATION
40"	45°	1981 thru 1995	FL, FX & Sportster®
48"	45°	1990 thru 1995	FLT without cruise control

Threaded throttle cable end is 5/16" - 18; threaded idle cable end is 1/4" - 20.

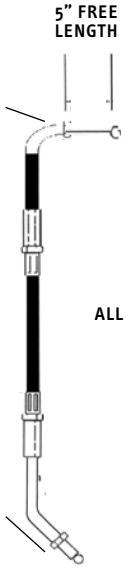


STOCK DUAL THROTTLE CABLES 1981 THRU 1995

BEND — LENGTH	THROTTLE 90° — 40"	IDLE	THROTTLE 90° — 48"	IDLE
Motion Pro — Black	**48-788**	**48-790**	**48-789**	**48-791**

HOUSING LENGTH	ELBOW FITTING BEND	YEAR	APPLICATION
39"	45°	1996 & Later	All Sportster® except 1200cc
40"	45°	1996 & Later	Softail® and Dyna®
41"	45°	1996 & Later	Sportster® XLH 1200 Custom
48"	45°	1996 & Later	FLT

These cables have unthreaded ends.



STOCK DUAL THROTTLE CABLES 1996 & LATER

BEND — LENGTH	THROTTLE 90° — 39"	IDLE	THROTTLE 90° — 40"	IDLE	THROTTLE 90° — 41"	IDLE
Motion Pro — Black	—	—	**48-793**	**48-785**	**48-782**	—

BEND — LENGTH	THROTTLE 90° — 48"	IDLE
Motion Pro — Black	**48-783**	**48-787**

THROTTLE HOUSING LENGTH	IDLE HOUSING LENGTH	ELBOW FITTING BEND	YEAR	APPLICATION
35"	37.5	130°	1982 thru 1995	FL, FX & Sportster®. OEM throttle to Mikuni HSR 42/45 carb.
35"	37.5	90°	1996 & Later	All Sportster® except 1200cc
			1996 & Later	Softail® and Dyna®
			1996 & Later	Sportster® XLH 1200 Custom
			1996 & Later	FLT
			1996 & Later	OEM throttle to Mikuni HSR 42/45 carb.

Barnett offers these cables to adapt 1981 thru 1995 and 1996 & later OEM throttles to the Mikuni HSR 42/45 carbs.

BEND — LENGTH	THROTTLE 130° - 35"	IDLE 130° - 37.5"	THROTTLE 90° - 35"	IDLE 90° - 37.5"
Barnett — Black	—	**48-702**	—	—
	1982 - 1995		**1996 - Later**	

THROTTLE CABLE FOR BUELL 1996 THRU 1998 WITH STOCK CARB & STOCK THROTTLE

	THROTTLE (OEM 56429-96Y)	IDLE (OEM 56430-96Y)
Barnett — Black	—	**48-781**

ALL CABLES SOLD EACH

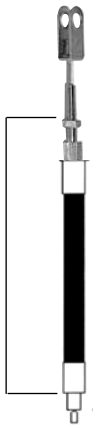
CLUTCH CABLES FOR 4 SPEED BIG TWIN 1952 THRU 1967

HOUSING LENGTH	ELBOW FITTING BEND	YEAR	APPLICATION	OEM NO.
29"	—	1952 thru 1967	FL	38618-52

Fits Big Twin 1952 thru 1967 with stock style hand lever assembly and stock style handlebars, with "mousetrap" style clutch release.

COIL LENGTH	29" (OEM 38618-52)	35"	37"
Midwest — Black		—	**48-1**

ALL CABLES SOLD EACH



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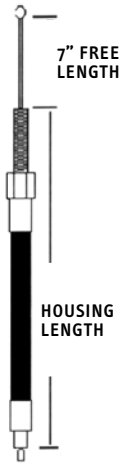
CLUTCH CABLES FOR SOFTAIL® LATE 1986 ONLY

HOUSING LENGTH	ELBOW FITTING BEND	YEAR	APPLICATION	OEM NO.
50"	—	Late 1986	FLST	38611-86
54"	—	Late 1986	FXST	38605-86A

Fits Softail® 5 speed late 1986 with stock style hand lever assembly and stock style clutch release arm.

COIL LENGTH	50" (OEM 38611-86)	54" (OEM 38605-86A)
Motion Pro — Stainless	—	**48-646**

ALL CABLES SOLD EACH



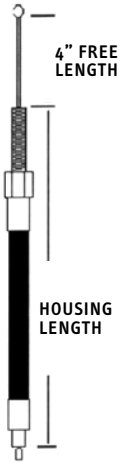
CLUTCH CABLES FOR 5 SPEED BIG TWIN 1980 THRU 1982

HOUSING LENGTH	ELBOW FITTING BEND	YEAR	APPLICATION	OEM NO.
55"	—	1980 thru 1982	FLT & FXR	38599-80B

Fits Big Twin 5 speed 1980 thru 1982 with stock style hand lever assembly and stock style clutch release arm.

COIL LENGTH	55" (OEM 38599-80B)	61"
Motion Pro — Black	**48-379**	**48-632**

ALL CABLES SOLD EACH



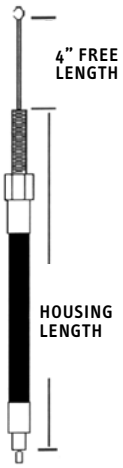
CLUTCH CABLES FOR 5 SPEED BIG TWIN 1983 THRU 1986

HOUSING LENGTH	ELBOW FITTING BEND	YEAR	APPLICATION	OEM NO.
51"	—	1983 thru 1986	FLT & FXR.	38599-83A

Fits Big Twin 5 speed 1983 thru 1986 with stock style hand lever assembly and stock style clutch release arm.

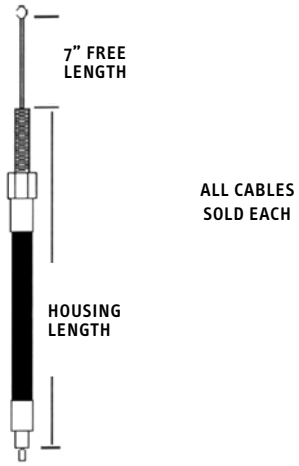
COIL LENGTH	51" (OEM 38599-83A)	57"
Motion Pro — Black	**48-613**	—
Motion Pro — Stainless	**48-645**	**48-657**

ALL CABLES SOLD EACH



CLUTCH CABLES FOR 4 SPEED BIG TWIN 1968 & LATER

HOUSING LENGTH	ELBOW FITTING BEND	YEAR	APPLICATION	OEM NO.
51"	—	1968 thru 1986	FL & FX	38618-68C
		1984 & 1985	Softail®	



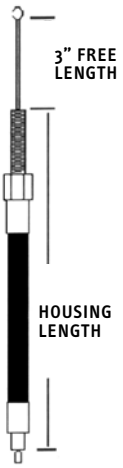
Fits Big Twin 1968 thru 1986 with stock style hand lever assembly and clutch release arm. Will also work with Big Twin 1952 thru 1967 with stock style hand lever assembly and stock style handlebars, with "mousetrap" style clutch release.

COIL LENGTH	51" (OEM 38618-68C)	55"	57"	59"	60"
Motion Pro — Black	**48-610**	**48-626**	**48-629**	—	**48-403**
Motion Pro — Stainless	**48-641**	—	**48-653**	—	—
Midwest — Black	**48-113**	—	**48-402**	—	**48-4**

4

CLUTCH CABLES FOR 5 SPEED BIG TWIN 1987 & LATER

HOUSING LENGTH	ELBOW FITTING BEND	YEAR	APPLICATION	OEM NO.
57"	—	1987 & Later	FXRS/SP	36755-87A
60"	—	1987 & Later	FXLR	36753-87A
		1995 & Later	FXSTSB Bad Boy®	38617-95
62"	—	1987 & Later	FLT	38607-87A
		1987 & Later	Softail® (except 1995 & later FXSTSB)	
		1991	Dyna® FXDB	38601-89
63"	—	1987 & Later	FXR, FXRS, & FXRT	38606-87A
68"	—	1992 & Later	Dyna®	68602-92



ALL CABLES SOLD EACH

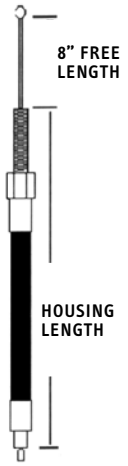
Fits Big Twin 5 speed 1987 & later with stock style hand lever assembly and stock style clutch release arm.

COIL LENGTH	57" (OEM 36755-87A)	60" (OEM 36753-87A & OEM 38617-95)	62" (OEM 38607-87A) & OEM 38601-89)	63" (OEM 38606-87A)	66"	68" (OEM 38602-92)	69"	70"
Motion Pro — Black	**48-620**	**48-621**	**48-622**	**48-635**	**48-636**	**48-637**	**48-639**	**48-638**
Motion Pro — Stainless	**48-648**	**48-649**	**48-650**	**48-651**	**48-661**	**48-662**	**48-663**	—
Import— Stainless	—	—	**48-804**	—	—	—	—	—

COIL LENGTH	72"
Motion Pro — Black	**48-664**

CLUTCH CABLES FOR SPORTSTER® 1957 THRU 1970

HOUSING LENGTH	ELBOW FITTING BEND	YEAR	APPLICATION	OEM NO.
51"	—	1957 thru 1970	Sportster®	38619-57A



Fits Sportster® 1957 thru 1970 with stock style hand lever assembly with adjusting sleeve and worm gear clutch activator. **NOTE:** The Motion Pro cables have the adjusting sleeve on the cable.

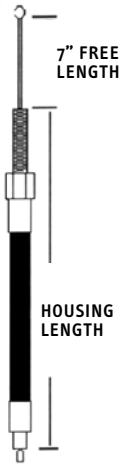
COIL LENGTH	51" (OEM 38619-57A)	57"	59"	63"
Motion Pro — Stainless	**48-642**	—	—	—
Midwest — Black	—	—	—	**48-6**

ALL CABLES SOLD EACH

CLUTCH CABLES FOR SPORTSTER® 1971 THRU 1985

HOUSING LENGTH	ELBOW FITTING BEND	YEAR	APPLICATION	OEM NO.
43"	—	1979 & 1980	XLS	38626-77B
		1983 thru 1985	XLX	38626-84
48"	—	1971 thru E. 1984	XL & XLCH	38619-84
		L. 1984 & 1985	XL & XLS	

ALL CABLES SOLD EACH



Fits Sportster® 1971 thru 1985 with stock style hand lever assembly with ball & ramp clutch actuator.

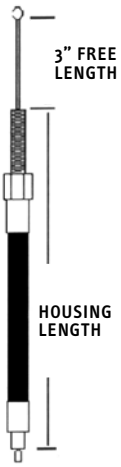
COIL LENGTH	43" (OEM 38626-77B & OEM 38626-84)	48" (OEM 38619-84)	49"	55"
Motion Pro — Black	**48-617**	**48-618**	**48-633**	—
Motion Pro — Stainless	**48-643**	—	—	—
Midwest — Black	—	—	—	**48-323**

CLUTCH CABLES FOR SPORTSTER® 1986 & LATER

HOUSING LENGTH	ELBOW FITTING BEND	YEAR	APPLICATION	OEM NO.
54"	—	1986 & Later	883cc XLH	38619-86A
		1986 & Later	883cc XLH Deluxe	
61"	—	1986 & Later	883cc XLH Hugger	38621-86A
		1986 & Later	1100cc XLH	
		1986 & Later	1200cc XLH (except 1996 & later 1200C)	

COIL LENGTH	54" (OEM 38619-86A)	60"	61" (OEM 38621-86A)
Motion Pro — Black	**48-619**	**48-634**	**48-624**
Motion Pro — Stainless	**48-647**	**48-659**	**48-652**

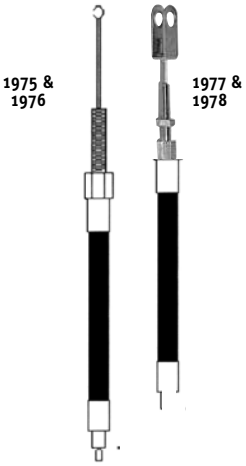
ALL CABLES SOLD EACH



REAR BRAKE CABLES FOR SPORTSTER® 1975 THRU 1978

YEAR	APPLICATION	BRAKE OEM NO.
1975 & 1976	Sportster®	38634-75
1977 & 1978	Sportster®	38634-76T

ALL CABLES SOLD EACH

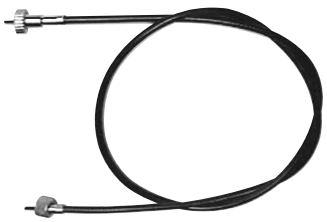


SPEEDOMETER CABLES FOR SUPER GLIDE® 1973 THRU 1984

NOTE: These speedometer cables now include two cable-to-speedo head nuts, which allows it to connect dash mounted FL speedo to front wheel speedometer drives. The other nut provided will allow use on FX 1973 thru 1984 speedometers. There are a number of other applications for this cable for late models depending on the the length of cable needed.

Two nuts included are sized as follows:
For FL speedo 5/8 x 18.
For FX speedo 15mm x 1.0 pitch.

48-121 Speedo cable for Super Glide® 1973 thru 1984, stock length, 39" long. **SOLD EACH**



SPEEDOMETER CABLES FOR H-D®



SOLD EACH PART NO.	REPLACES OEM NO.	LENGTH	YEAR	MODEL
		TOP NUT 12MM. PLAIN LOWER		
48-442	67051-74	38.5"	1974/1983	XL, XLH & XLCH.
	67038-84		1987 & 1988	FLHT & FLHTC.
	67024-84A		1984/1990	FXST.
			1987/1994	FXSTC.
			1984 & 1985	FXWG.
			1991/1993	FLSTC.
			1989/1994	FXSTS.
			1993	FLSTN.
			1993 & 1994	FXDWG.

SPEEDOMETER CABLES FOR H-D®

All H-D® speedometer cables fall into three groups depending on upper and lower fittings. In order to simplify the listing of these cables, you will find them listed in sequence by type and length. If extra length is needed just order longer length of the same group. This allows model coverage with fewer part numbers.





STAINLESS STEEL	STANDARD PART NO.	REPLACES OEM NO.	LENGTH	YEAR	APPLICATION
		TOP NUT 12MM. PLAIN LOWER			
48-673	**48-441**	67026-81	35"	1987/1994	FLHS.
		67072-87A		1986/1990	FLST.
		67079-86A		1987/1991	FLTC.
		67186-88C		1987/1995	FLSTC.
				1988/1992	FXRS.
				1991	FXDB-S.
				1992	FXDC.
				1991 & 1992	FXR.
				1993 & 1994	FXDL.
				1990/1995	FLSTF.
				1993/1995	FLSTN.
48-674	**48-668**	67051-74	38.5"	1974/1983	XL, XLH & XLCH.
		67038-84		1987 & 1988	FLHT & FLHTC.
		67024-84A		1984/1990	FXST.
				1987/1994	FXSTC.
				1984 & 1985	FXWG.
				1991/1993	FLSTC.
				1989/1994	FXSTS.
				1993	FLSTN.
				1993 & 1994	FXDWG.
48-675			46.5"	Same as above **48-674** and mini speedo & kits. Front wheel drive.	
48-676	**48-443**	67060-79A	40"	1979/1982	XLS.
		67060-87A		1989/1993	FLHS, FLHTCU & FLTCU.
		67072-70		1980/1986	FLHT.
		67072-87B		1980/1989	FLHTC/P.
				1980/1983	FLT.
				1980/1986	FLTC.
				1990	FLTC.
				1982 & 1983	FXR.
	48-444	67051-74	44.5"	Extra length for any of above except 48-675. plus 6"	

SPEEDOMETER CABLES FOR H-D®

All H-D® speedometer cables fall into three groups depending on upper and lower fittings. In order to simplify the listing of these cables, you will find them listed in sequence by type and length. If extra length is needed just order longer length of the same group. This allows model coverage with fewer part numbers.





STAINLESS STEEL	STANDARD PART NO.	REPLACES OEM NO.	LENGTH	YEAR	APPLICATION
		TOP NUT 16mm. PLAIN LOWER			
	48-436	67077-85	36"	L. 1984/1987 1985	FXE. FXEF.
48-670	**48-437** (includes 5/8".x 18 nut)	67051-73 67052-78A 67078-85A	40"	1973 XL & XLH. 1984 & 1985 1984 & 1985 1986/1987 1983/1985 1973/1978 1973/1984 1980/1982 1987/1994 1983/1985 1984/1987 1986/1994	 XL XLH. XLH 883, XLH 1100 & XL 1100. XLX & XR. FX. FXE. FXB. FXLR. FXSB. FXRS. FXR.
	48-667	67063-89	41.5"	1991/1994 1993 & 1994 1987/1993 1990/1994	XLH 883/HUG/DLX. XLH 1200. FXRS-SP. FXRS-CONV.
48-671	**48-438**	67052-78B 67048-83A	43"	1983/1985 1983/1984 1985 1987 & 1988 1985 & 1986 1990/1992 1981 & 1982 1984 & 1985 1986/1990 1987/1990 1988/1992	FX. FXE FXRT. FXRS. FXRS-SP. FXRS-CON. XL. XLS. XLH 883 & Deluxe. Hugger®. XLH 1200.
48-672	**48-440**	67054-83 67054-83A	46.5"	1983/E. 1984 1986 1983 & 1984 1986/1992	XLS. FXRD & FXWG. FXRT. FXRT.



STAINLESS STEEL	STANDARD PART NO.	REPLACES OEM NO.	LENGTH	YEAR	APPLICATION
		TOP NUT 5/8" x 18. LOWER NUT 7/8" x 18.			
48-682	**48-677**	67026-62	35"	1962/1973 1976/1980 1962/1984 1980/1983 1971 & 1972 1957/1972	FL. FL. FLH. FXWG. FX. XL & XLH (transmission drive).
	48-678	67051-70	44"	1970/1972	XL & XLH (transmission drive).



STAINLESS STEEL	STANDARD PART NO.	REPLACES OEM NO.	LENGTH	APPLICATION
		TOP NUT 16mm & 5/8" x 18. PLAIN LOWER		
	48-679	Special	42.5"	For 2:1 ratio with front wheel drive; includes two sizes upper nuts and lower adapter to replace place OEM 78083-84 on FXWG and FXST.



STAINLESS STEEL	STANDARD PART NO.	REPLACES OEM NO.	LENGTH	YEAR	APPLICATION
		TOP NUT 3/4" x 20. LOWER NUT 7/8" x 18.			
	48-680	67026-37	36"	1937/1963	All Big Twins.

STAINLESS STEEL	STANDARD PART NO.	REPLACES OEM NO.	LENGTH	APPLICATION
		TOP NUT 12mm. LOWER NUT 7/8" x 18.		
48-684	**48-681**	Special	47.5"	FLS/XL with mini gauge, transmission drive.
—	**48-686**		53"	FLS/XL with mini gauge, transmission drive.

A



B

CHROME PLATED



C



CHROME PLATED

D



E



F



F. *BILLET FORK TUBE BRAKE HOSE CLAMP*

Billet clamp snaps on 41mm fork tubes and holds hose in place for a clean look. Use one or two depending on fork length.

45-1 Brake hose clamp. SOLD EACH

A. *STAINLESS STEEL CUSHIONED CLAMPS FOR HOSE OR CABLE*

U.S.A. MADE loom clamps are made of stainless steel with a removable rubber cushion which protects the loom or cable. The mounting hole is 1-7/64" for 1/4" screws or bolts. A premium clamp.

PART NO.	SIZE CLOSED I.D.	RECOMMENDED FOR MOUNTING LINES WITH FOLLOWING O.D.'S MINIMUM	MAXIMUM
66-210	1/4"	3/16"	1/4"
66-76	3/8"	1/4"	3/8"
66-211	1/2"	3/8"	1/2"
66-212	5/8"	1/2"	5/8"

SOLD EACH

CHECK QTY. DISCOUNT FOR BEST PRICE

B. *DIE CAST CABLE CLAMPS*

Two piece cable clamp designed with 1/4" opening to mount clutch, throttle and brake cable to various diameters of tubing. SOLD EACH

SINGLE THROTTLE CABLE CLAMPS

45-36 Fits 1" tubing.
45-37 Fits 1-1/8" tubing.
45-38 Fits 1-1/4" tubing.
45-47 Fits 1-3/8" tubing.
45-48 Fits 1-1/2" tubing.
45-49 Fits 1-3/4" tubing.
45-50 Fits 2" tubing.
45-51 Fits 49mm tubing.

DUAL THROTTLE CABLE CLAMPS

45-52 Fits 1" tubing.
45-53 Fits 1.25" tubing.

C. *BRAKE LINE CLAMP*

Clamp for all models with a 1/4 - 20 threaded hole in the bottom of fork stem.

90-805 Brake line clamp. SOLD EACH

D. *SWIVEL HEAD CHROME CABLE CLAMPS*

Unique two-piece design allows easy installation. Swivel head design allows more natural cable routing without excessive bending. Polished chrome finish and innovative single-bolt clamp gives a clean custom look.

97-375 Single cable, 1-1/4" (w/rubber sleeve) to 1-1/2" (w/o rubber sleeve). SOLD EACH
97-376 Dual cable, 1-1/4" (w/rubber sleeve) to 1-1/2" (w/o rubber sleeve).
97-377 Single cable, 1" (w/rubber sleeve) to 1-1/8" (w/o rubber sleeve).
97-378 Dual cable, 1" (w/rubber sleeve) to 1-1/8" (w/o rubber sleeve).

E. *BLACK CABLE CLAMP KITS*

These cable clamps are made from tough semi-flexible elastomer which holds your cables in place and also minimizes vibration & wear caused by metal clamps. The unique design of the clamps allow them to be snapped in place quickly and easily onto 1-1/8" thru 1-1/4" dia frames. Sold in pairs.

45-2 Single Clutch cable clamp kit, black. SOLD AS KIT
45-3 Dual Throttle/Idle cable clamp kit, black.

A. *CLUTCH CABLE ADJUSTER COVER*

This die cast, chrome plated cover installs over clutch cable adjuster utilizing 2 snap rings allowing installation without the need to remove clutch cable.

45-40 Fits all Big Twin late 1987 & later and all Sportster® from 1988 & later. **SOLD EACH**

A



B. *CABLE END COVERS*

Get rid of the ugly look of the speedo, tach and clutch cable fittings with these ball milled chrome plated die cast covers.

SPEEDO / TACH CABLE

45-46 Upper cover used on 12mm cable nuts. **SOLD EACH**

CLUTCH CABLE

45-41 Upper cover used on all models 1982 & later. **SOLD EACH**

45-44 Lower cover used on Softail®, Dyna® and FLT models, 1987 & later.

B



CHROME PLATED

C. *CONTROL CABLES FOR BRITISH MOTORCYCLES*

MODEL	YEAR	LENGTH	THROTTLE	CLUTCH
T-20 BONNEVILLE MODELS WITH 389 CARBURETOR	1963/1967	STOCK		**48-87**
ALL TWINS	1963/1967	STOCK		**48-87**
ALL UNIT CONSTRUCTION TWINS	1963/1967	STOCK		**48-87**

SOLD EACH

TIRES, WHEELS & BRAKES



TIRES, TUBES, RIM STRIPS, STOCK & CUSTOM WHEELS, AXLES, BRAKES & PARTS YOU NEED FOR THE ABOVE

5

A



A. *COBRA TIRES AV71 FRONT, AV71 UNIVERSAL & AV72 REAR*

- Densely wrapped belt in center for stability, wear, & mileage. Advanced Variable Belt technology. Varying belt spacing provides excellent performance and long life.
- Consistent handling & stability for the full life of the tire
- Snakeskin Sidewall effect Complements Cobra logo and tread design
- Tread gives optimal water dispersal
- Design reduces flex for improved grip & stability

SOLD EACH

PART NO.	SIZE	STYLE	SIDE WALL
4-680	MT90B16	AV71 Front	Black
4-682	100/90-19	AV71 Front	Black
4-624	120/70R19	AV71 Front	Black

PART NO.	SIZE	STYLE	SIDE WALL
4-685	140/90B16	AV72 Rear	Black
4-686	150/80B16	AV72 Rear	Black
4-627	180/70R16	AV72 Rear	Black
4-629	180/55R18	AV72 Rear	Black
4-630	200/55R18	AV72 Rear	Black
4-612	180/60R16	AV72 Rear	Black
4-646	180/65B16	AV72 Rear	Black

B C



B. *ROADRIDER TIRES AM26 FRONT*

- Large contact patch for excellent grip at all lean angles
- V Speed rated (149mph/240kmh) across the entire range
- Sloped grooves brace the rubber for wear resistance
- Interrupted center groove to resist tracking
- Special rubber compound formulated for incredible grip
- Bias-ply construction

SOLD EACH

PART NO.	SIZE	STYLE	SIDE WALL
4-647	90/90-19	AM26 Front	Black

C. *VP2 SPORT HIGH PERFORMANCE, REAR*

The VP2 Sport has a Super Rich Silica rubber compound specially formulated for maximum grip in both the wet and dry. The VP2's structure provides a huge footprint when your bike is at extreme lean angles and enhances stability whether the bike is at speed, braking, or accelerating. SOLD EACH

PART NO.	SIZE	STYLE	SIDE WALL
4-641	170/60R17 (72W)	VP Sport Rear	Black

D



D. *VENOM R AM41 FRONT/AM42 REAR*

- Radial tire for V-Rod® and custom cycles.
- Front tire designed precise handling.
- Rear tire designed for excellent all weather performance.
- Tube/Tubeless.

PART NO.	SIZE	STYLE	SIDE WALL
4-589	330/30VR17	Venom-R Rear	Black
4-609	150/80VR17	Venom-R Front	Black
4-610	130/70VR18	Venom-R Front	Black

A. *VENOM AM41 FRONT/ AM42 REAR*



- Unique sequential pattern produces exceptionally quiet ride.
- Advanced casing technology for low rolling resistance, cooler running and high mileage.
- Special sidewall treatment features snake head logo and both narrow and wide whitewall
- Multiarc tread contour for light, neutral turn in and cornering stability.
- Tube/Tubeless.

PART NO.	SIZE	STYLE	SIDE WALL
4-518	130/90HB16	Venom Front	NWW
4-564	120/70-21 62H	Venom Front	Black
4-533	160/80HB16	Venom Rear	Black
4-584	150/80VB16	Venom Rear	WWW

B. *ROADRUNNER AM20 FRONT/AM21 REAR*



AM20 FRONT
Computer-designed tread of circumferential grooves promote directional stability, while the diagonal grooves provide cutting edges for both controlled & emergency braking, plus enhanced water clearing. Tubeless.

AM21 REAR
Deep, high-mileage tread grooves in the central pattern area (where tires wear fastest) ensures high mileage. The tread ejects water like a pump, thus providing superior wet-weather performance. The directional tread is designed to give maximum performance & reliability. Tubeless. SOLD EACH

PART NO.	SIZE	STYLE	SIDE WALL
4-426	90/90H19	AM 20 Front.	Black
4-430*	MT90H16	AM 21 Roadrunner T/L.	Black
4-499*	230/60H15	AM 21 Rear.	Black

***NOTE 1:** Recommended rear fitment for Big Dog motorcycles.

C. *STORM 2 ULTRA FRONT & REAR*



- Densely wrapped belt in center for stability, wear, & mileage. Belt strands of differing tensions offer flexibility and exceptional grip.
- Durable center for improved mileage, soft edges for max grip & high lean.
- Consistent handling & stability for the full life of the tire
- Fast warm up times & superior grip
- Tread gives optimal water dispersal
- Resistance to uneven wear improves braking SOLD EACH

PART NO.	SIZE	STYLE	SIDE WALL
4-613	120/70R17 (58W)	Storm 2 Ultra Front	Black
4-619	160/70R17 (79V)	Storm 2 Ultra Rear	Black
4-643	170/60R17 (72W)	Storm 2 Ultra Rear	Black
4-644	180/55R17 (73W)	Storm 2 Ultra Rear	Black

D. *SPEEDMASTER RIB*



Long lasting, positive steering tire for front wheel fitment only. S-Rated for speeds up to 112 mph. Continuous sipe and interrupted tread ribs give added braking and handling. Unique contour for long life and even wear. Iconic vintage tread design. Excellent lateral stability, steering and high mileage. Tube tires. SOLD EACH

PART NO.	SIZE
4-206	325S19 Speedmaster Rib.
4-238	350S19 Speedmaster Rib.

NOTE 1: Tube type tires require inner tubes which must be purchased separately! See inner tubes at the end of this section.

A



4-300 4-301 4-309

B



5

CONTINENTAL TIRES

A. CONTI MILESTONE - CRUISING / TOURING

Specifically engineered for heavy touring bikes & cruisers. Best all-weather tire on the market. Exclusive ASC "Activated Silica Compound" technology sets a new standard for wet grip & mileage. Latest silica compound & carcass design technology offer exceptionally high mileage, wet grip, load carrying capacity, & comfort. Extremely high mileage due to wear resistant compound, deepest tread depth available, and breaker construction which enables even pressure in the contact area. Unmatched stability on road seams & rain grooves. Can be matched with the ContiTour (TK16/17) to fit a wider range of bikes. SOLD EACH

4-300 130/90H16 CM2 Rear (reinforced), tube/tubeless, black wall.
4-301 130/90H16 CM2 Rear (reinforced), tube/tubeless, white wall.
4-303 140/90H16 CM2 Rear, tube/tubeless, black wall.
4-322 140/90H16 CM2 Rear, tube/tubeless, white wall.
4-304 150/80H16 CM2 Rear, tube/tubeless, black wall.
4-323 150/80H16 CM2 Rear, tube/tubeless, white wall.
4-305 130/90H16 CM1 Front, tube/tubeless, black wall.
4-306 130/90H16 CM1 Front, tube/tubeless, white wall.
4-308 100/90H19 CM1 Front, tube/tubeless, black wall.
4-309 80/90H21 CM1 Front, tube/tubeless, black wall.

B. CONTI TWIN - CLASSIC

Legendary tire for classic bikes. An economic all-weather tire combination. Superior ride quality. A comfortable tire that's been a "Rigid Frame" favorite for decades.

4-320 MT90H16T K112 Rear, tubeless, black wall. SOLD EACH
4-321 3.25H19 RB2 Front, tubeless, black wall.

TIRE - Frequently ASKED QUESTIONS

Q. What do speed ratings really mean?

A. While not recognized by the U.S. government, speed rating designations indicate that high speed testing has been performed on the tire. The designation "S" refers to speeds up to 113 mph. "H" refers to speeds up to 130 mph, and "V" refers to speeds up to 150 mph.

Q. What is the difference between tube/tubeless tires and tube type tires?

A. The primary difference between tube/tubeless tires and tube type tires is the rubber innerliner in the tube/tubeless tire. The innerliner serves much the same function as an inner tube in tubeless tire applications. Decompression resulting from a puncture of a tube/tubeless tire is likely to be slower because of the density of the innerliner. This can provide additional time to bring the motorcycle to a safe stop.

Q. What is the advantage to identical front & rear tread patterns?

A. Handling dynamics such as straight-on tracking and cornering are enhanced when the same tread configuration is applied to the road surface by both front & rear tires, provided the particular tread design is appropriate. Also, there are stylistic advantages.

MOTORCYCLE STREET TIRE SIZE CONVERSIONS

This chart compiled by Pirelli will aid in the selection of comparable tires by cross-referencing metric, alpha and inch designations for most popular motorcycle street tire sizes.

FRONT TIRES			REAR TIRES		
METRIC	ALPHA	INCH	METRIC	ALPHA	INCH
80/90	MH90	2.50/2.75	110/90	MP85	4.50/4.75
90/90	MJ90	2.75/3.00	120/90	MR90	4.50/4.75
100/90	MM90	3.25/3.50	130/80		5.00/5.10
110/90	MN90	3.75/4.00	130/90	MT90	5.10/5.10
120/80		4.25/4.50	140/80		5.50/6.00
120/90	MR90	4.25/4.50	140/90	MU90	5.50/6.00
130/90	MT90	5.00/5.10	150/80	MV85	6.00/6.25
			150/90	MV85	6.00/6.25

KENDA TIRES

A. SPORT CHALLENGER

The Challenger is designed for riders who demand excellent handling and wet weather traction. The Challenger is constructed with an improved compound that combines high mileage with more responsive cornering and handling. Black wall. Tube/tubeless.

4-465	130/90H-16 K657 Rear.	SOLD EACH
4-493	130/90H-16 K657 Front.	
4-467	140/90H-16 K657 Rear.	
4-466	100/90H-19 K657 Front.	
4-494	90/100H-21 K657 Front.	

B. K671 CRUISER S/T

This low profile sport tire design has a strong 6ply carcass. New, aggressive tread design provides excellent traction & performance. Matched front/rear tread pattern for superior stability & maximum handling. Deep, offset tread sipes provide for excellent water dispersion & wet weather traction. Wide contact patch for superior traction & increased mileage. Black wall. Tubeless.

4-496	130/90H-16 K671 Rear.	SOLD EACH
4-497	100/90H-19 K671 Front.	
4-574	140/70P-16. K671 Rear.	

C. K673 KRUZ

4-570	130/90H-16 K673 Front.	SOLD EACH
4-571	130/90H-16 K673 Rear.	
4-572	100/90H-19 K673 Front.	
4-573	80/90H-21 K673 Front.	

D. SHINKO TIRES

The high-mileage tire that brings out the best in your Harley®. Features include: Excellent straight-running stability — the flat profile provides a big 4-groove footprint that keeps you rock steady on the long, straight haul. Ultra-heavy-duty Kevlar® breaker — Kevlar® is a breakthrough in tires designed for H-D® cycles. Together with the supple nylon carcass, Kevlar produces a tire with incredible durability. Refined ride comfort — the Kevlar® breaker maintains tread shape, while the flexible nylon carcass beneath soaks up the bumps to give you a smoother ride than ever before. High mileage — the special rubber compound was formulated for greater stiffness. Supported by the rugged Kevlar® breaker, it keeps your bike safely shod, tour after tour.

CLASSIC E-240

These are reproductions of Goodyear's Speed Grip tires. Load range "C", **Kevlar**® belted.

4-434	MT90-16 H.D.S. Classic. Black.	SOLD EACH
4-435	MT90-16 H.D.S. Classic. 1-1/4" White stripe.	
4-436	MT90-16 H.D.S. Classic. Dual 3/8" white stripes.	

SUPER CLASSIC E-270

These are reproductions of Goodyear's Super Eagle tires. Load range "B", **Nylon** construction.

4-432	500 x 16 H.D.S. Super Classic. Black.	SOLD EACH
4-433	500 x 16 H.D.S. Super Classic. 1-1/4" White stripe.	

ADVANCE RADIAL SPORT 005

Intermediate rubber compound. Aramid belts enhance high speed performance. Large block type tread pattern with excellent braking, cornering and acceleration characteristics. Specially designed tread grooves help to dissipate water efficiently on wet surfaces

★ **4-437**	Front 120/70VR21 Black. NEW!	SOLD EACH

SPORT CHALLENGER

A



K671 CRUISER S/T

B



C



4-570 4-571 4-573

D



4-434 4-436



4-433 4-437





ULTIMA® KING SPOKE® WHEELS, PULLEYS & ROTORS

Give your ride the royal treatment with Ultima® King Spoke® wheels. Offered in chrome on chrome or chrome on black. All steel construction with 48 solid spokes for durability you would expect from an Ultima® product. Highlight the look w/matching polished stainless steel King Spoke® rotors & King Spoke® pulleys (chrome or polished).

KING SPOKE® CHROME/CHROME

FRONT WHEELS

PART NUMBER	RIM SIZE	DISC	ROTOR	BEARING TYPE	AXLE SIZE
37-500	21 X 2.15	Single	86-99	Tapered roller	.750"
37-501	21 X 2.15	Dual	86-99	Tapered roller	.750"
37-502	21 X 3.5	Single	86-99	Tapered roller	.750"
37-503	21 X 3.5	Dual	86-99	Tapered roller	.750"
37-504	19 X 2.15	Dual	86-99	Tapered roller	.750"
37-505	16 X 3.5	Single	86-99	Tapered roller	.750"
37-506	16 X 3.5	Dual	86-99	Tapered roller	.750"
37-540	26 X 3.5	Single	00-LTR	Sealed ball	1"
37-524	23 X 3.5	Single	00-LTR	Sealed ball	1"
37-525	21 X 3.5	Single	00-LTR	Sealed ball	1"
37-542	21 X 3.5	Dual	00-LTR	Sealed ball	1"
37-526	21 X 2.15	Single	00-LTR	Sealed ball	.750"
37-527	16 X 3.5	Single	00-LTR	Sealed ball	.750"
37-528	16 X 3.5	Dual	00-LTR	Sealed ball	.750"
37-529	16 X 3.5	Dual	00-LTR	Sealed ball	1"

REAR WHEELS

PART NUMBER	RIM SIZE	ROTOR/ PULLEY	BEARING TYPE	AXLE SIZE
37-507	16 X 3.5	86-99	Tapered roller	.750"
37-508	16 X 5.5	86-99	Tapered roller	.750"
37-509	18 X 3.5	86-99	Tapered roller	.750"
37-510	18 X 5.5	86-99	Tapered roller	.750"
37-530	16 X 3.5	00-LTR	Sealed ball	1"
37-531	16 X 5.5	00-LTR	Sealed ball	1"
37-511	18 X 8.5	00-LTR	Sealed ball	1"
37-544	18 X 10.5	00-LTR	Sealed ball	1"

KING SPOKE® BLACK/CHROME

FRONT WHEELS

PART NUMBER	RIM SIZE	ROTOR/ PULLEY	BEARING TYPE	AXLE SIZE
37-512	21 X 2.15	Single 86-99	Tapered roller	.750"
37-513	21 X 2.15	Dual 86-99	Tapered roller	.750"
37-514	21 X 3.5	Single 86-99	Tapered roller	.750"
37-515	21 X 3.5	Dual 86-99	Tapered roller	.750"
37-516	19 X 2.15	Dual 86-99	Tapered roller	.750"
37-517	16 X 3.5	Single 86-99	Tapered roller	.750"
37-518	16 X 3.5	Dual 86-99	Tapered roller	.750"
37-541	26 X 3.5	Single 00-LTR	Sealed ball	1"
37-532	23 X 3.5	Single 00-LTR	Sealed ball	1"
37-533	21 X 3.5	Single 00-LTR	Sealed ball	1"
37-543	21 X 3.5	Dual 00-LTR	Sealed ball	1"
37-534	21 X 2.15	Single 00-LTR	Sealed ball	.750"
37-535	16 X 3.5	Single 00-LTR	Sealed ball	.750"
37-536	16 X 3.5	Dual 00-LTR	Sealed ball	.750"
37-537	16 X 3.5	Dual 00-LTR	Sealed ball	1"

REAR WHEELS

PART NUMBER	RIM SIZE	ROTOR/ PULLEY	BEARING TYPE	AXLE SIZE
37-519	16 X 3.5	86-99	Tapered roller	.750"
37-520	16 X 5.5	86-99	Tapered roller	.750"
37-521	18 X 3.5	86-99	Tapered roller	.750"
37-522	18 X 5.5	86-99	Tapered roller	.750"
37-538	16 X 3.5	00-LTR	Sealed ball	1"
37-539	16 X 5.5	00-LTR	Sealed ball	1"
37-523	18 X 8.5	00-LTR	Sealed ball	1"
37-545	18 X 10.5	00-LTR	Sealed ball	1"

NEW!

KING SPOKE® ROTORS (POLISHED STAINLESS STEEL)

90-610	Rotor, 11.5" front, 84'- 99' & 00'-later (w/speedo notch)
90-613	Rotor, 11.5" rear, 84'- 99' & 00'-later
90-615	Rotor, 11.8" front, 08'- 13' Touring & 06'- 09' Dyna
90-619	Rotor, 11.8" Rear, 08'- 13' Touring & 06'- 09' Dyn

NEW!

Rotors utilize reducer spacers to achieve multi-year applications.
Rotors have 2.220" center hole. Reducer spacer has 1.975" center hole.

KING SPOKE® PULLEYS

99'-EARLIER		00'-LATER
94-604	Pulley, chrome, 1.5", 65T.	**94-616**
94-605	Pulley, chrome, 1.5", 70T.	**94-617**
94-606	Pulley, chrome, 1", 65T.	**94-618**
94-607	Pulley, chrome, 1", 70T.	**94-619**
94-612	Pulley, polished, 1.5", 65T.	**94-620**
94-613	Pulley, polished, 1.5", 70T.	**94-621**
94-614	Pulley, polished, 1", 65T.	**94-622**
94-615	Pulley, polished, 1", 70T.	**94-623**

ULTIMA® COMPLETE CHROME 40 SPOKE WHEELS



36-311



36-314



36-486



36-733

*** Denotes OEM Size Stock Wheel**

5

Features chrome plated OEM style or Billet hubs laced to chrome steel rims using chromed steel spokes and nipples. Included are wheel bearings, center bearing spacer and wheel seals. Available to fit standard models as well as Wide rear applications. Billet hub wheels are sealed for tubeless operation.

Ultima® Chrome 40 Spoke Front Wheels Pre 1999 Models w/ OEM Style Hub

Narrow Glide front, FX/XL 78/83 Dual Disc
36-485* 19"x 2.50", Tapered bearing, 3/4" axle.
36-486 21"x 1.85", Tapered bearing, 3/4" axle.
36-487* 21"x 2.15", Tapered bearing, 3/4" axle.

Narrow Glide front, FXR/XL 84/99 Single or Dual Disc
36-399* 19"x 2.50", Tapered Bearing, 3/4" Axle
36-390 21"x 2.15", Tapered Bearing, 3/4" Axle

Wide Glide front, FL 67/72
36-304 16"x 3.00", w/o bearings, spacers or seals

Wide Glide front, FL Single Disc 73/83
36-314* 16"x 3.00" Tapered Bearing, 3/4" Axle
36-605 16"x 3.50" Tapered Bearing, 3/4" Axle
36-311 21"x 1.85" Tapered Bearing, 3/4" Axle
36-312 21"x 2.15" Tapered Bearing, 3/4" Axle

Wide Glide front, FL Dual Disc 73/83
36-305* 16"x 3.00" Tapered Bearing, 3/4" Axle
36-606 16"x 3.50" Tapered Bearing, 3/4" Axle

Wide Glide front, FXWG 80/99 Dual Disc
36-313 16"x 3.00" Tapered Bearing, 3/4" Axle
36-604 16"x 3.50" Tapered Bearing, 3/4" Axle
36-445 19"x 2.50" Tapered Bearing, 3/4" Axle
36-309 21"x 1.85" Tapered Bearing, 3/4" Axle
36-310* 21"x 2.15" Tapered Bearing, 3/4" Axle

Wide Glide front, FXST/FXDWG (Except FXSTS), Single Disc 84/99
36-344 16"x 3.0" Tapered bearing, 3/4" axle.
36-607 16"x 3.50" Tapered Bearing, 3/4" Axle
36-395 19"x 2.50" Tapered Bearing, 3/4" Axle
36-327 21"x 1.85" Tapered Bearing, 3/4" Axle
36-328* 21"x 2.15" Tapered Bearing, 3/4" Axle

Wide Glide front, FLST Single Disc 86/99
36-350* 16"x 3.0" Tapered bearing, 3/4" axle.
36-602 16"x 3.50" Tapered Bearing, 3/4" Axle

Ultima® Chrome 40 Spoke Rear Wheels Pre 1999 Models w/ OEM Style Hub

FL 67/72
36-304* 16"x 3.00", w/o bearings, spacers or seals

FX/XL Chain 73/83 (Must use flat sprocket)
36-305* 16"x 3.00", Tapered bearing, 3/4" Axle
36-606 16"x 3.50", Tapered bearing, 3/4" Axle

XL Belt Rear 84/99 FX/FL Dyna®, Softail® except Touring-Belt Drive Rear 84/99
36-356* 16"x 3.00" Tapered Bearing, 3/4" Axle
36-603 16"x 3.50" Tapered Bearing, 3/4" Axle

Ultima® Chrome 40 Spoke Front Wheels 2000 & Later Models w/ OEM Style Hub

Dyna®/Sportster® Narrow Glide
XL 00/07 - Dyna® 00/03 Single or Dual Disc
36-730* 19"x 2.50", Ball bearing, 3/4" axle.
36-731* 21"x 2.15", Ball bearing, 3/4" axle.

Softail®/Dyna Wide Glide®
FX/FL 00/06, FXDWG 00/05 Single Disc (Except FXSTS, FLSTF)
36-733* 16"x 3.00", Ball Bearing, 3/4" Axle
36-732* 21"x 2.15", Tapered Bearing, 3/4" Axle

Ultima® Chrome 40 Spoke Rear Wheels 2000 & Later Models w/ OEM Style Hub

Dyna® 00/05, FXST 00/07, FLH 00/01, XL 00/04
36-734* 16"x 3.00", ball bearing, 3/4" axle.

ULTIMA® COMPLETE CHROME 60 SPOKE WHEELS

Ultima® Chrome 60 Spoke Front Wheels w/ OEM Style Hub



36-746

Pre 1999 Models Front
Softail®/Dyna Wide Glide®
FXST/FXDWG (except FXSTS) Single Disc 84/99

36-746* 21"x 2.15", Tapered Bearing, 3/4" axle. OEM style hub
36-752 21"x 3.25", Tapered Bearing, 3/4" axle. OEM style hub

*** Denotes OEM Size Stock Wheel**

Ultima® Chrome 60 Spoke Front Wheels w/ Billet Hub



36-412

2000 & Later Models - Front
Softail®/Dyna Wide Glide®
FX/FL 00/06,FXDWG 00/05 Single Disc (except FXST, FLSTF)

36-417 18"x 3.50", Ball Bearing, 3/4" axle. **Billet Hub**
36-412* 21"x 2.15", Ball Bearing, 3/4" axle. **Billet Hub**
★ **36-491** 21"x 3.50", Ball Bearing, 1" axle, dual disc. **Billet Hub**
★ **36-500** 23"x 3.50", Ball Bearing, 1" axle, dual disc. **Billet Hub**
★ **36-502** 26"x 3.50", Ball Bearing, 1" axle, dual disc. **Billet Hub**

NEW!

Pre 1999 Models Front
Softail®/Dyna Wide Glide®
FXST/FXDWG Single Disc 84/99 (except FXSTS)

36-961* 21"x 2.15", Tapered Bearing, 3/4" axle. **Billet Hub**

Ultima® Chrome 60 Spoke Rear Wheels w/ OEM Hub



36-735

Pre 1999 Models - Rear Wide Tire

36-735 Wide Tire, 16"x 5.50", Tapered Bearing, 3/4" axle. OEM style hub.
36-736 Wide Tire, 18"x 5.50", Tapered Bearing, 3/4" axle. OEM style hub.

Ultima® Chrome 60 Spoke Rear Wheels w/ Billet Hub



36-415

NEW!

Pre 1999 Models - Rear Wide Tire

★ **36-969** 18"x 5.50", Ball Bearing, 1" axle. **Billet Hub**
36-960 18"x 8.50", Ball Bearing, 1" axle. **Billet Hub**
36-415 18" x 10.50", Ball Bearing, . 1" axle, **Billet Hub**

ULTIMA® COMPLETE CHROME 80 SPOKE WHEELS

Ultima® 80 Spoke Chrome Front Wheels w/ OEM Style Hub Pre 1999 Models



36-332

Pre 1999 Models Front
FL Dual Disc 73/84
36-341* 16"x 3.00", Tapered Bearing, 3/4" axle. OEM style hub
36-343 16"x 3.00", Tapered Bearing, 3/4" axle. OEM style hub, **Twisted Spoke**

FXST/FXDWG (except FXSTS) Single Disc 84/99
36-347 16"x 3.00", Tapered Bearing, 3/4" axle. OEM style hub
36-349 16"x 3.00", Tapered Bearing, 3/4" axle. OEM style hub, **Twisted Spoke**
36-397 19"x 2.50", Tapered Bearing, 3/4" axle. OEM style hub
36-332* 21"x 2.15", Tapered Bearing, 3/4" axle. OEM style hub
36-745* 21"x 2.15", Tapered Bearing, 3/4" axle. OEM style hub, **Twisted Spoke**

FLSTSingle Disc 86/99
36-353* 16"x 3.00", Tapered Bearing, 3/4" axle. OEM style hub
36-355 16"x 3.00", Tapered Bearing, 3/4" axle. OEM style hub, **Twisted Spoke**



TWISTED SPOKES

*** Denotes OEM Size Stock Wheel**

Ultima® 80 Spoke Chrome Rear Wheels w/OEM Style Hub Pre 1999 Models



36-341

REAR WHEELS:
FX/XLChain 73/84 (Note: must use flat sprocket)
36-341* 16"x 3.00", Tapered Bearing, 3/4" Axle
36-343 16"x 3.00", Tapered Bearing, 3/4" Axle, **Twisted Spoke**

XL Belt Rear 84/99 FX/FL Dyna®, Softail® except Touring - Belt Rear 84/99. Chrome Spoke
36-359* 16"x 3.00", Tapered Bearing, 3/4" Axle
36-361 16"x 3.00", Tapered Bearing, 3/4" Axle, **Twisted Spoke**

Ultima® 80 Spoke Chrome Rear Wheels Billet Style Hub Wide Tire Custom



36-416

Custom Application/ Wide Tire
★ **36-419** 18"x 5.50", Ball Bearing, 1" Axle
36-414 18"x 8.50", Ball Bearing, 1" Axle
36-416 18"x 10.50", Ball Bearing, 1" Axle

NEW!

ULTIMA® COMPLETE CHROME 80 SPOKE WHEELS



36-411

* Denotes OEM Size Stock Wheel

Ultima® Chrome 80 Spoke Front Wheels w/ Billet Hub Pre 1999 Model

Pre 1999 Models Front
FXST/FXDWG (except FXSTS) Single Disc 84/99

36-411* 21"x 2.15", Tapered Bearing, 3/4" axle. **Billet Hub**

Ultima® Chrome 80 Spoke Front Wheels w/ Billet Style Hub 2000 & Later

2000 & Later Models Front

36-418 18"x 3.50", Ball Bearing, 3/4" axle. **Billet Hub** NEW!
36-413* 21"x 2.15", Ball Bearing, 3/4" axle. **Billet Hub**
★ **36-498** 21"x 3.50", Ball Bearing, 1" axle, dual disc. **Billet Hub**
★ **36-503** 23"x 3.50", Ball Bearing, 1" axle, dual disc. **Billet Hub**
★ **36-505** 26"x 3.50", Ball Bearing, 1" axle, dual disc. **Billet Hub**

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ULTIMA® SOLID BILLET WHEELS

For the smooth & clean look, you can't go wrong with Ultima's® polished aluminum solid billet wheels.

FRONT WHEELS

PART NUMBER	RIM SIZE	DISC	ROTOR/ PULLEY	BEARING TYPE	AXLE SIZE
37-550	16 X 3.5	Single	86-99	Tapered roller	.750"
37-554	16 X 3.5	Single	00-LTR	Sealed Ball	.750"
37-555	16 X 3.5	Dual	00-LTR	Sealed Ball	1"

REAR WHEELS

PART NUMBER	RIM SIZE	ROTOR/ PULLEY	BEARING TYPE	AXLE SIZE
37-551	16 X 3.5	86-99	Tapered roller	.750"
37-552	18 X 3.5	86-99	Tapered roller	.750"
37-553	18 X 5.5	86-99	Tapered roller	.750"
37-556	16 X 3.5	00-LTR	Sealed ball	.750"
37-557	18 X 3.5	00-LTR	Sealed ball	.750"
37-558	18 X 5.5	00-LTR	Sealed ball	1"





WHEEL BEARING REMOVAL & INSTALLATION KIT NEW!

Wheel bearing removal and install tool is a must for every shop. Removes and installs 3/4 25mm & 1" sealed bearing for 2000-later wheels.

97-290 Wheel bearing removal & install kit. SOLD AS KIT

CLASSIC SPOKE PULLEYS



1999 & EARLIER

94-600	Pulley, chrome, 1.5", 65T.
94-601	Pulley, chrome, 1.5", 70T.
94-602	Pulley, chrome, 1", 65T.
94-603	Pulley, chrome, 1", 70T.
94-608	Pulley, polished, 1.5", 65T.
94-609	Pulley, polished, 1.5", 70T.
94-610	Pulley, polished, 1", 65T.
94-611	Pulley, polished, 1", 70T.

MATCHING BRAKE ROTORS AVAILABLE FURTHER IN THIS SECTION

PULLEY MOUNTING HARDWARE KIT



Bolt & washer kit fits Big Twins 1993-1996, Dyna® 1997-1998 and FLT 1997-1998 w/cast rear wheels. Also fits Softails® 1997-1999,

Dyna® 1999 and FLT 1999-up w/spoke or cast rear wheel. 7/16-14 thread.

41-463 Drive pulley hardware kit. OEM 3730A, 3899.

CNC MACHINED ALUMINUM WHEELS



ROAD RAVE

36-956 ROAD RAVE, 18" x 10.5" Wheel fits Big Twin wide rear tire applications. **SOLD EACH**

ROAD RAVE™ US Patent# D519,900 S

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POLISHED CNC MACHINED ALUMINUM BELT DRIVE PULLEYS

CNC machined, polished aluminum belt drive pulleys to match our CHROME HORSE® custom billet wheels and CHROME HORSE® stainless steel rotors.

94-573 9-Spoke, 2000 & later 1-1/8", 65 tooth, Chrome.



9-SPOKE



MALTESE

WIDE TIRE APPLICATION USING 1" DIA. AXLE

94-518 Maltese, 1-1/8", 2.22 I.D., 65 tooth

94-579 9-Spoke, 1-1/8", 2.22 I.D., 70 tooth, Chrome.

STAINLESS STEEL ROTORS

CNC Machined, stainless steel rotors to match our Chrome Horse® custom billet wheels.

SOLD EACH

	CUTOUT SWEPT	'V' SPOKE	BAYONET™	ENGRAVED MALTESE
Fits FX, FXR, and all Softail® models, Front, 1984 thru 1999 with 11.5" single disc.				
Left rotation.	**90-617**	—	**90-685**	—
Right rotation.	**90-622**	—	**90-686**	—
Left or right rotation with speedo notch.	—	—	—	**90-926**
Fits FX, FXR, and all Softail® models, Rear, 1984 thru 1999 with 11.5" rotor.				
	90-618	—	—	**90-927**
Fits 2000 & later right front.				
	90-919	—	—	—
Fits 2000 & later right rear.				
	90-922	**90-935**	—	**90-929**



CUTOUT SWEPT



V SPOKE



BAYONET



ENGRAVED MALTESE

ULTIMA® 7-SPOKE PULLEY

These pulleys are 66 tooth & meant for use with 1-1/8" drive belts. Fits Kawasaki Vulcans. Pulley ID 2.375"

94-701 7-Spoke pulley.



ULTIMA® BAYONET II® WHEELS









BAYONET II®
Patent No. D491127

ULTIMA® CNC MACHINED, POLISHED ALUMINUM 1-1/2" BELT DRIVE PULLEYS

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1984 THRU 1999, 1-1/2"

94-900	65 TOOTH
94-901	70 TOOTH

2000 & LATER, 1-1/8"

94-917	65 TOOTH
94-921	70 TOOTH

WIDE TIRE APPLICATION USING 1" DIA. AXLE

94-925	65 TOOTH, 1-1/2", 2.22" I.D.
94-929	70 TOOTH, 1-1/2", 2.22" I.D.
94-933	65 TOOTH, 1-1/8", 2.22" I.D.
94-937	70 TOOTH, 1-1/8", 2.22" I.D.

ULTIMA® STAINLESS STEEL BRAKE ROTORS

90-900	FITS FX, FXR AND ALL SOFTAIL® MODELS, FRONT , 1984 THRU 1999 WITH 11.5" SINGLE DISC, LEFT ROTATION
90-901	FITS FX, FXR AND ALL SOFTAIL® MODELS, FRONT , 1984 THRU 1999 WITH 11.5" SINGLE DISC, RIGHT ROTATION
90-902	FITS FX, FXR AND ALL SOFTAIL® MODELS, REAR , 1984 THRU 1999 WITH 11.5" ROTOR
90-865	FITS 2000 AND LATER, LEFT FRONT
90-869	FITS 2000 AND LATER, RIGHT FRONT
90-873	FITS 2000 AND LATER, RIGHT REAR

ULTIMA® CNC MACHINED POLISHED ALUMINUM WHEELS

36-981	19" x 2.15" Fits FX and XL models 1978 thru 1983, FXR and XL models 1984 thru 1999 with single or dual disc Narrow Glide®.
36-985	21" x 2.15" Fits FX and XL models 1978 thru 1983, FXR and XL models 1984 thru 1999 with single or dual disc Narrow Glide®.
36-989	19" x 2.15" Fits FXR, FXD, and XL models 1984 thru 1999 with single disc Narrow Glide®.
36-993	21" x 2.15" Fits FXR, FXD, and XL models 1984 thru 1999 with single disc Narrow Glide®.
36-997	21" x 2.15" Fits FXWG 1980 thru 1983 and FXDWG 1984 thru 1999, with dual disc Wide Glide®.
37-231	16" x 3" Fits FXST, FXSTC, & FXDWG, 1984 thru 1999 with single disc Wide Glide®.
36-903	21" x 2.15" Fits FXST, FXSTC, & FXDWG, 1984 thru 1999 with single disc Wide Glide®.
37-235	21" x 3.25" Fits FXST, FXSTC, & FXDWG, 1984 thru 1999 with single disc Wide Glide®.
37-239	16" x 3" Fits FLSTC & FLSTF models, 1984 thru 1999 with single disc Wide Glide®.
37-243	21" x 2.15 Fits FXSTS & FXSTB, 1988 thru 1999 with single disc Springer®.
37-247	16" x 3" Fits XL models with **REAR** belt drive, 1986 thru 1999.
36-900	16" x 3" Fits **REAR** Big Twin models 1986 thru 1999 except FLT, FLHT, FLHS & FLHR. **NOTE:** Will fit early Big Twin models with chain drive; flat sprocket must be used.
36-902	18" x 5.5" Fits Big Twin wide **REAR** tire applications.
37-256	18" x 8.5" Fits Big Twin wide **REAR** tire applications.
37-261	18" x 10.25" Fits Big Twin wide **REAR** tire applications.
37-266	16" x 3" Fits FXST 2000 thru 2006 (except FXSTS Springer), Front.
37-270	21" x 2.15" Fits FXST 2000 thru 2006 (except FXSTS Springer), Front.
37-274	21" x 3.25" Fits FXST 2000 thru 2006 (except FXSTS Springer), Front.
37-278	16" x 3" Fits FLST 2000 thru 2006 (except FLSTS Springer), Front.
37-282	19" x 2.15" Fits Dyna® 2000 thru 2003 and XL 2000 thru 2007, Front.
37-286	21" x 2.15" Fits Dyna® 2000 thru 2003 and XL 2000 thru 2007, Front.
37-290	16" x 3" Fits dresser models 2000 thru 2006, Front.
37-571	16" x 3" Fits FXST 2000-2007, FLT/FLH 2000-2001, Dyna® 2000-2005, **REAR** (3/4" axle)
37-294	16" x 3" Fits Dyna® 2006 thru 2007, FLT/FLH 2002 thru 2007, **REAR**. (1" axle)
37-299	16" x 3" Fits XL 2005 thru 2007, **REAR**, with 1" axle.



ULTIMA® POLISHED OR SATIN FINISH STAINLESS STEEL BRAKE ROTORS

Surface hardened with high chrome content on A1S1 #420 stainless plate material. Precision blanchard grinding and CNC machined holes make for a great fitting part. Superior braking performance whether it's wet or dry.

APPLICATION	OEM NUMBER	DIA./ID	BOLT PATTERN	SATIN FINISH	POLISH FINISH
FX & FXR , Front, with dual disc, 1977 thru 1983. Uses stock mounting hardware.	44137-77A	10"/1.990"	Countersunk	**90-762**	**90-764**
FX & FL, Rear, 1978 thru 1980. FL Front, 1978 thru 1984. Uses stock mounting hardware.	41813-79	10"/1.990"	Counterbore	**90-763**	**90-765**
FX & Softail®, Rear, 1981-1999. XL Rear, 1979 & later. FXR Rear, 1982 thru 1991. Uses stock mounting hardware.	41791-79A	11-1/2"/1.990"	Countersunk	**90-768**	**90-767**
All Front, single or dual, 1984 thru 1999 (two required for dual disc applications).	44136-84A	11-1/2"/1.990"	Counterbore	**90-754**	**90-756**
Big Twin and Sportster®, Rear, 1992-1999, except FLT models.	41789-92	11-1/2"/1.990"	Counterbore	**90-755**	**90-757**
All models, Front, 2000 & later	44156-00	11-1/2"/2.220"	Counterbore	**90-758**	**90-760**
All models, Rear, 2000 & later	41797-00	11-1/2"/2.220"	Counterbore	**90-759**	**90-761**

ALL DISCS SOLD EACH

5

A. OEM STYLE ROTORS (POLISHED STAINLESS STEEL)

★ **90-620** Rotor, 11.5" front, 84'- 99' & 00'-later (w/speedo notch) NEW!
★ **90-623** Rotor, 11.5" rear, 84'- 99' & 00'-later

A

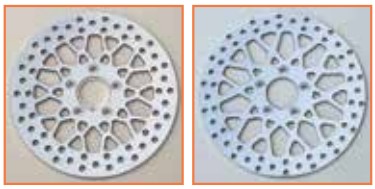


90-623

B. CLASSIC SPOKE ROTORS (POLISHED STAINLESS STEEL)

★ **90-624** Rotor, 11.5" front, 84'- 99' & 00'-later (w/speedo notch) NEW!
★ **90-625** Rotor, 11.5" rear, 84'- 99' & 00'-later
★ **90-626** Rotor, 11.8" front, 08'- 13' Touring & 06'- 09' Dyna
★ **90-634** Rotor, 11.8" Rear, 08'- 13' Touring & 06'- 09' Dyn

B



90-624 90-626

C. KING SPOKE ROTORS (POLISHED STAINLESS STEEL)

★ **90-610** Rotor, 11.5" front, 84'- 99' & 00'-later (w/speedo notch) NEW!
★ **90-613** Rotor, 11.5" rear, 84'- 99' & 00'-later
★ **90-615** Rotor, 11.8" front, 08'- 13' Touring & 06'- 09' Dyna
★ **90-619** Rotor, 11.8" Rear, 08'- 13' Touring & 06'- 09' Dyn

C



90-613 90-619

Rotors utilize reducer spacers to achieve multi-year applications.
Rotors have 2.220" center hole. Reducer spacer has 1.975" center hole.

90-606



90-605



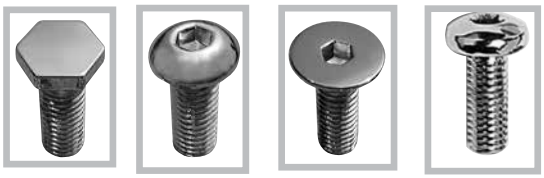
DISC BRAKE ROTORS

Rotors of the finest quality steel or stainless steel. Precision machined and precision ground to OEM specifications. Steel rotors are zinc plated to resist corrosion and maintain "as new" appearance. Stainless steel rotors are mirror finished. ALL DISCS SOLD EACH

APPLICATION	OEM NO.	DIA-METER	BOLT PATTERN	DRILLED	MIRROR FINISH STAINLESS STEEL DRILLED
FX Rear, 1973 thru 1978. XL & FX, Front, with single disc, 1973. FL Front & Rear, 1972 thru 1978.	41806-72B	10"	Straight hole	**90-207**	**90-605**
FX & XL Front, with single disc, 1974 thru 1977.	41807-74	11-1/2"	Countersunk	**90-206**	**90-606**
FX, FXR & XL Front, with dual disc, 1977 thru 1983.	44137-77A	10"	Countersunk	**90-205**	**90-607**
FX & FL Rear, 1978 thru 1980. FL Front, 1978 thru 1984.	41813-79	10"	Counter bore	**90-204**	**90-608**
FX & Softail®, Rear, 1981 thru 1999. FXR Rear, 1982 thru 1999. XL Rear, 1979 thru 1999.	41791-79A	11-1/2"	Countersunk	**90-278**	**90-609**
FL, FLT, FX, FXR, and XL, all Front, single or dual disc, 1984 thru 1999.	44136-84A	11-1/2"	Counterbore	**90-365**	**90-698**
Rear, all single & dual disc models, except V-Rod. 2000 & later.	41797-00	11-1/2"	Counterbore	**90-226**	**90-228**
Front, all single & dual disc models, except V-Rod. 2000 & later.	44156-00	11-1/2"	Counterbore	**90-227**	**90-229**

HARDWARE KITS FOR DISC BRAKE ROTORS

REFERENCE



COLONY CHROME PART NO.	OEM NO.	HEAD STYLE REF.	QTY. PCS.	SIZE	APPLICATION
40-320	41198-73 & 7778	A	10	3/8-16 X 1"	Front & Rear rotor to hub thin hex head bolt & nut kit fits 1973 thru 1980 FL Rear, 1973 & 1974 FL Front, and 1973 FX & XL, Front.
41-751	41198-75	B	10	3/8-16 X 1"	Front & Rear rotor to hub bolt & nut kit fits 1973 thru 1980 FL Rear, 1973 & 1974 FL Front and 1973 FX & XL, Front.
41-752	41191-74	C	5	1/4-20 X 5/8"	Front Rotor to hub screw kit fits single disc, FX & XL, 1974 thru 1977.
41-753	3680	C	10	5/16-18 X 1"	Front rotor to hub screw kit fits dual disc FX & XL, 1978 thru 1982.
41-754	3655	D	5	5/16-18 X 7/8"	Front rotor to hub screw kit fits 1984-up FX, FXR, FLT & XL, single disc. (Dual disc requires two sets.)
41-755	1643	C	5	7/16-14 X 1-1/4"	Front or Rear rotor to hub screw kit fits 1980 & 1981 FLT.
41-756	3655 & 7739	D	10	5/16-18 X 7/8"	Front rotor to hub screw & nut kit fits 1984-up FXST & FXWG.
41-792	1605 & 1604	C	5	3/8-16 X 1-1/2"	Rear rotor to hub screw & nut kit fits 1979 thru 1999 FX & XL, and 1981 thru 1984 FL, spoke or cast wheel.
41-897	3680 & 3655	C	10	5/16-18 X 1"	Front rotor to hub screw & nut kit fits 1978 thru 1983 FXWG. (Dual disc requires two sets.)
41-901	1642	C	5	7/16-14 X 1-3/4"	Front or Rear rotor to hub screw kit fits 1982 thru 1985 FLT.
41-130	43562-92	D		3/8-16 X 1"	Rear rotor bolt kit fits all H-D® 1997 & later.
41-129	43567-92	D		3/8-16 X 1"	Rear rotor to hub hardware kit fits 1992 & later XL, FLT, Softail® & Dyna®.

SOLD AS KIT



ULTIMA® DISC ROTOR SPACERS

Ultima® disc rotor spacers are ideal for converting front ends to mid or wide glide & still retain proper rotor/disc spacing. Polished, billet aluminum. Wheel locating ID 1.995". Disc rotor locating OD 1.963".

90-580 Disc rotor spacer, .3125" (5/16)
90-582 Disc rotor spacer, .5000" (1/2)
90-583 Disc rotor spacer, .9375" (15/16)
90-585 Disc rotor spacer, 1.125" (1-1/8)
90-586 Disc rotor spacer, 1.4375" (1-7/16)
90-589 Disc rotor spacer, 1.625" (1-5/8)

ULTIMA® STEEL CHROME RIMS



40 HOLE PART NO.	80 HOLE PART NO.	DIA.	TIRE WIDTH	REPLACES SIZE	OEM NO.	SEE NOTE
30-4	**30-5**	16"	3.00"	500/510-16	43085-81	1
Metal side valve stem hole.						
30-38	—	16"	3.00"	500/510-16	43007-40A	1
Rubber side valve stem hole. Uses inner tube part No. **2-19**.						
30-48	—	16"	3.50"	500/550-16		1
30-35	—	19"	2.50"	325/350-19		1
30-8	—	21"	1.85"	250/325-21		
30-11	—	21"	2.15"	325-21		1
30-50	—	21"	3.25"	120-21		

Custom style rims, some with drop center, to fit all popular tires front and rear. SOLD EACH
Width is measured by inside bead.

NOTE 1: Drop center.

5


31-89


31-96

SPOKE SETS

We are offering you the best quality and best priced chrome spokes available for lacing your custom rims. These are made from the strongest and most flexible steel and then dipped in a show chrome lustre. The tapered 6-8 gauge dimension keeps the spokes strong in their most crucial area, the bend.

POLISHED STAINLESS STEEL PART NO.	CHROME STEEL PART NO.	TWISTED CHROME STEEL PART NO.	FOR RIM DIA.	HUB STYLE	WIRE GAUGE	SPOKES IN SET
				FRONT & REAR WHEEL SPOKE SETS		
31-88	**31-80**	**31-94**	16"	H-D® 74", 80" & Sportster® hub (steel).	6/8	40
				FRONT WHEEL SPOKE SETS		
31-89	**31-87**	—	18" or 19"	Sportster® & Super Glide® with disc brake to 18" custom rim or 19" drop center rim.	6/8	40
31-90	**31-84**		19"	Sportster® & Super Glide® with disc brake to custom rim.	6/8	40
31-91	**31-85**		21"	Sportster® & Super Glide® with disc brake to custom rim.	6/8	40
N/A	**31-81**	**31-97**	18" or 19"	H-D® 74" steel hub to 18" custom rim or 19" drop center rim.	6/8	40
31-92	**31-82**		19"	H-D® 74" steel hub to 19" custom rim.	6/8	40
31-93	**31-83**	**31-96**	21"	H-D® 74" steel hub to 21" custom rim.	6/8	40
N/A	**31-78**		19"	Sportster® full drum hub (1964 thru 1972) to custom rim.	6/8	40
N/A	**31-79**		21"	Sportster® full drum hub (1964 thru 1972) to custom rim.	6/8	40



A. *DUAL & SINGLE FLANGE WHEEL HUBS*

Chrome hub assemblies fit the front and rear of many H-D® models 1936 & later. Most hubs contain all the internal components. Bearing preload is set at the manufacturer. Available with 7/16" or 5/16" holes in flanges.

SEE NEXT PAGE FOR SPORTSTER® 1955 THRU 1978 ALL HUBS CHROME PLATED

Dual flange hub, 7/16" holes on both sides. Fits 1973 thru 1985 FL & FX, front or rear. Replaces OEM 43540-73A.

33-210 80 Spoke holes. SOLD EACH

Dual flange hub, 5/16" holes on both sides. Fits FXWG 1980 thru 1983, front. Replaces OEM 43663-80A.

33-195 40 Spoke holes. SOLD EACH

33-211 80 Spoke holes.

Single flange hub, 5/16" holes. Use on 1972 thru 1984 FLH Wide Glide® front ends.

33-196 40 Spoke holes. SOLD EACH

Single flange hub, 5/16" holes. Fits 1984 thru 1999 FXST, FXSTC & FXDWG, front. OEM 43672-84.

33-199 40 Spoke holes. OEM 43672-84. SOLD EACH

33-280 60 Spoke holes.

33-213 80 Spoke holes.

Single flange hub, 5/16" holes. Fits 1986 thru 1999 Softail® FLSTC, FLSTN & FLSTF, front. OEM 43053-86.

33-200 40 Spoke holes. SOLD EACH

33-214 80 Spoke holes.

Dual flange hub, 7/16" - 3/8" holes. Fits Softail® FXR & FXD 1986 thru 1999, rear, and Sportster® 1979 thru 1999 rear. OEM 40976-86.

33-201 40 Spoke holes. SOLD EACH

33-281 80 Spoke holes.

Dual flange hub, 5/16" - 18 holes both sides. Fits narrow Front ends, single or dual disc, 1978 thru 1983 FX & Sportster®, and 1982 & 1983 FXR Front. OEM 43600-78.

33-222 40 Spoke holes. SOLD EACH

Chrome billet dual flange hub, 5/16" - 18 holes both sides. Fits narrow front ends single or dual disc, 1984 thru 1999, FX, FXR, FXD, and XL, front. OEM 43619-84.

33-216 40 Spoke holes. SOLD EACH

Fits 1987 thru 1999 FLT models, and 1994 & later Road King® FLHR.

33-220 Rear, 40 spoke holes. OEM 41020-86. SOLD EACH

Single flange hub, 5/16" - 18 holes. Fits 2000 & later all Softail® models and FXDWG Dyna®, front.

33-232 40 Spoke holes. OEM 43672-00. SOLD EACH

Dual flange hub, 7/16" and 3/8" holes. Fits 2000 & later all Softail® models, all Dyna® models, and all Sportster® models, rear.

33-233 40 Spoke holes. OEM 40976-00. SOLD EACH

Dual flange hub, 5/16" - 18 holes both sides. Fits narrow front ends single or dual disc 2000 & later Dyna® & Sportster® models, front.

33-234 40 Spoke holes. OEM 43629-00. SOLD EACH

Dual flange hub, fits 16" x 300" rim on Sportster® wheel 1955 thru 1978.

33-221 40 Spoke holes. OEM 41017-66A. SOLD EACH

B. *OFFSET HUB*

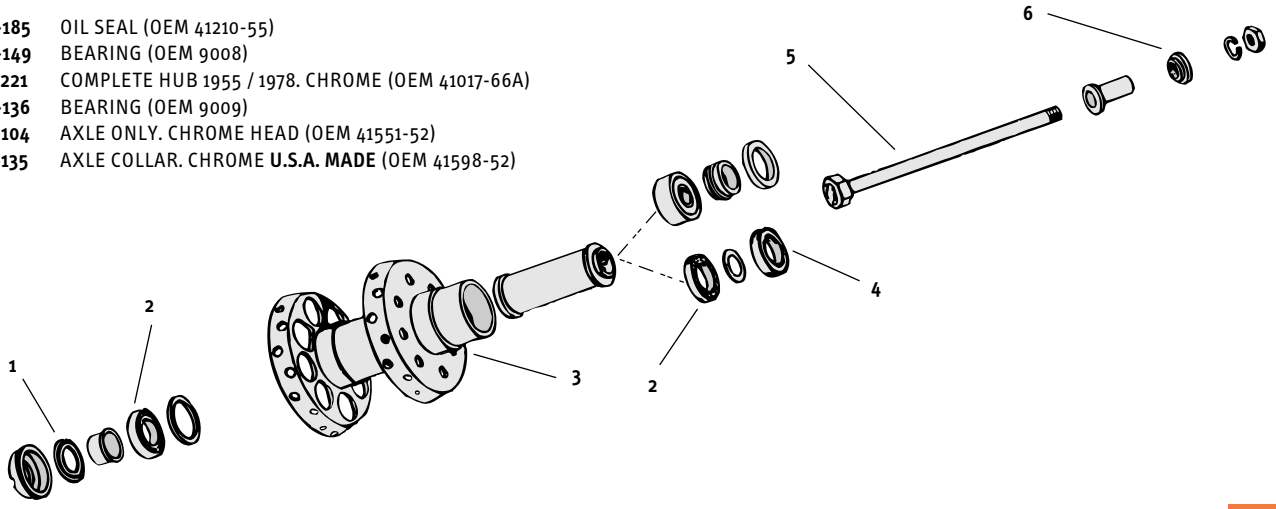
Replaces 1973 thru 1985 style hub with pulley side offset .875". Cuts down pulley spacers size and puts bearings to outside and stops bent axle problems.

33-294 60 Spoke holes. SOLD EACH

WHEEL HUB WITH DRUM BRAKES FOR SPORTSTER® 1954 THRU 1978

ALL PARTS SOLD EACH

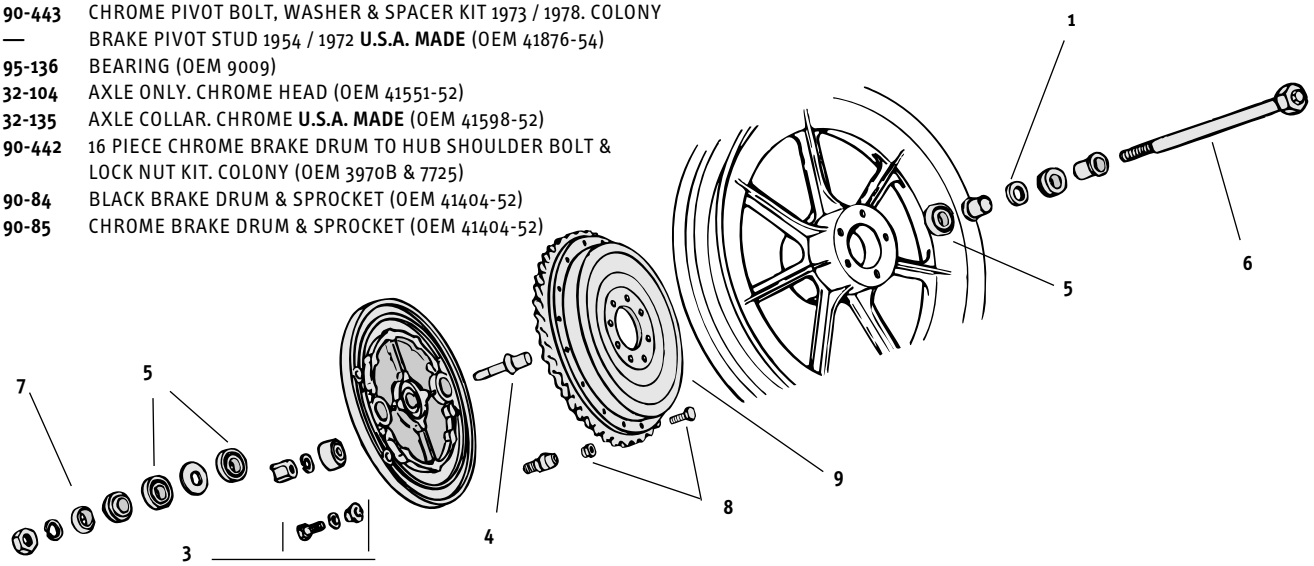
1	**95-185**	OIL SEAL (OEM 41210-55)
2	**95-149**	BEARING (OEM 9008)
3	**33-221**	COMPLETE HUB 1955 / 1978. CHROME (OEM 41017-66A)
4	**95-136**	BEARING (OEM 9009)
5	**32-104**	AXLE ONLY. CHROME HEAD (OEM 41551-52)
6	**32-135**	AXLE COLLAR. CHROME **U.S.A. MADE** (OEM 41598-52)



WHEEL WITH DRUM BRAKES FOR SPORTSTER® 1954 THRU 1978

ALL PARTS SOLD EACH

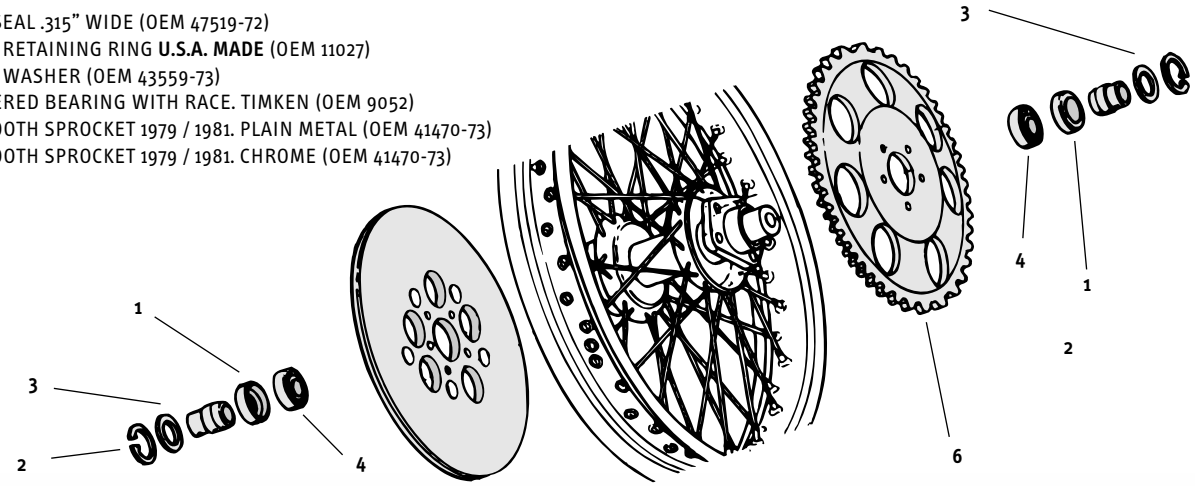
1	**95-185**	OIL SEAL (OEM 41210-55)
3	**90-443**	CHROME PIVOT BOLT, WASHER & SPACER KIT 1973 / 1978. COLONY
4	—	BRAKE PIVOT STUD 1954 / 1972 **U.S.A. MADE** (OEM 41876-54)
5	**95-136**	BEARING (OEM 9009)
6	**32-104**	AXLE ONLY. CHROME HEAD (OEM 41551-52)
7	**32-135**	AXLE COLLAR. CHROME **U.S.A. MADE** (OEM 41598-52)
8	**90-442**	16 PIECE CHROME BRAKE DRUM TO HUB SHOULDER BOLT & LOCK NUT KIT. COLONY (OEM 3970B & 7725)
9	**90-84**	BLACK BRAKE DRUM & SPROCKET (OEM 41404-52)
	90-85	CHROME BRAKE DRUM & SPROCKET (OEM 41404-52)



WHEEL WITH DISC BRAKES FOR SPORTSTER® 1979 & LATER

ALL PARTS SOLD EACH

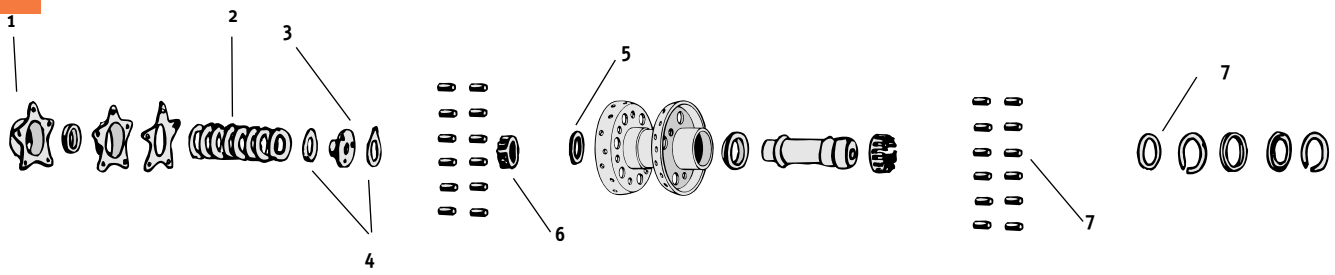
1	**95-235**	OIL SEAL .315" WIDE (OEM 47519-72)
2	**33-184**	HUB RETAINING RING **U.S.A. MADE** (OEM 11027)
3	**33-187**	HUB WASHER (OEM 43559-73)
4	**95-446**	TAPERED BEARING WITH RACE. TIMKEN (OEM 9052)
5	**94-95**	51 TOOTH SPROCKET 1979 / 1981. PLAIN METAL (OEM 41470-73)
	94-96	51 TOOTH SPROCKET 1979 / 1981. CHROME (OEM 41470-73)



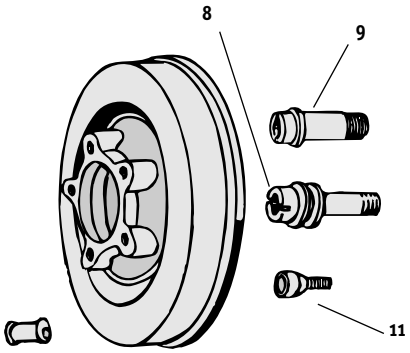
FRONT & REAR WHEEL PARTS FOR BIG TWIN & SUPER GLIDE® 1935 THRU 1966

ALL PARTS SOLD EACH EXCEPT AS NOTED

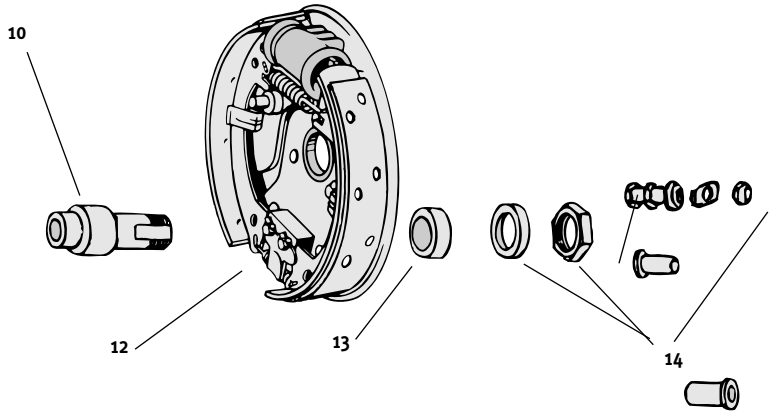
1	**33-118**	CHROME SCREW KIT FOR STAR COVER. FIVE SCREWS & FIVE WASHERS. COLONY. SOLD AS KIT
2	**33-109**	.002" SHIM **U.S.A. MADE** (OEM 43560-35)
3	**33-110**	SLEEVE (OEM 43556-35)
4	**33-180**	THRUST WASHER **U.S.A. MADE** (OEM 43563-35)
5	**33-194**	THRUST WASHER **U.S.A. MADE** (OEM 43552-39)
6	**95-308**	ROLLER RETAINER (OEM 24721-30)
7	**33-193**	THRUST WASHER **U.S.A. MADE** (OEM 43558-39)
8	**32-111**	FRONT AXLE SLEEVE 1948 / 1966 **U.S.A. MADE** (OEM 43882-48)
9	**32-132**	FRONT AXLE SLEEVE 1967 / 1972 **U.S.A. MADE** (OEM 43882-67)
10	**32-106**	REAR AXLE SLEEVE 1958 / 1962 **U.S.A. MADE**
	32-107	REAR AXLE SLEEVE 1963 / 1966 **U.S.A. MADE**
11	**33-24**	CHROME LUG SCREW 1936 / 1972 (OEM 43530-35)
12	**90-367**	CHROME REAR BRAKE BACKING PLATE BIG TWIN 1958 / 1962 (OEM 41650-58)
	90-368	CHROME REAR BRAKE BACKING PLATE BIG TWIN 1963 / 1972 (OEM 41650-63)
13	**32-172**	CHROME REAR SIDE PLATE SPACER 1958 / 1962 **U.S.A. MADE** (OEM 41596-58)
	32-171	CHROME REAR SIDE PLATE SPACER 1963 / 1972 **U.S.A. MADE** (OEM 41596-63)
14	**32-119**	REAR AXLE NUT & LOCK KIT 1930 / 1972. COLONY. SOLD AS KIT
15	**95-186**	BEARING 1967 / 1972 (OEM 43577-67)
16	**95-185**	OIL SEAL (OEM 41210-55)



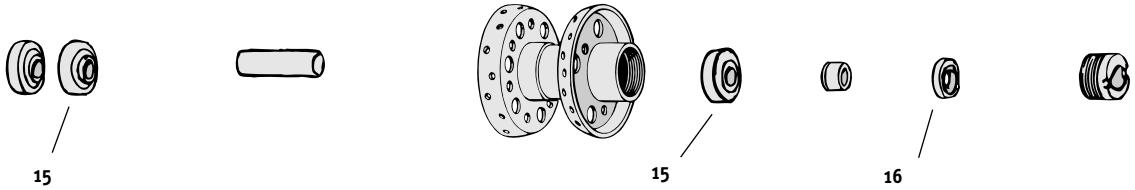
FRONT BRAKE



REAR BRAKE



1967 THRU 1972



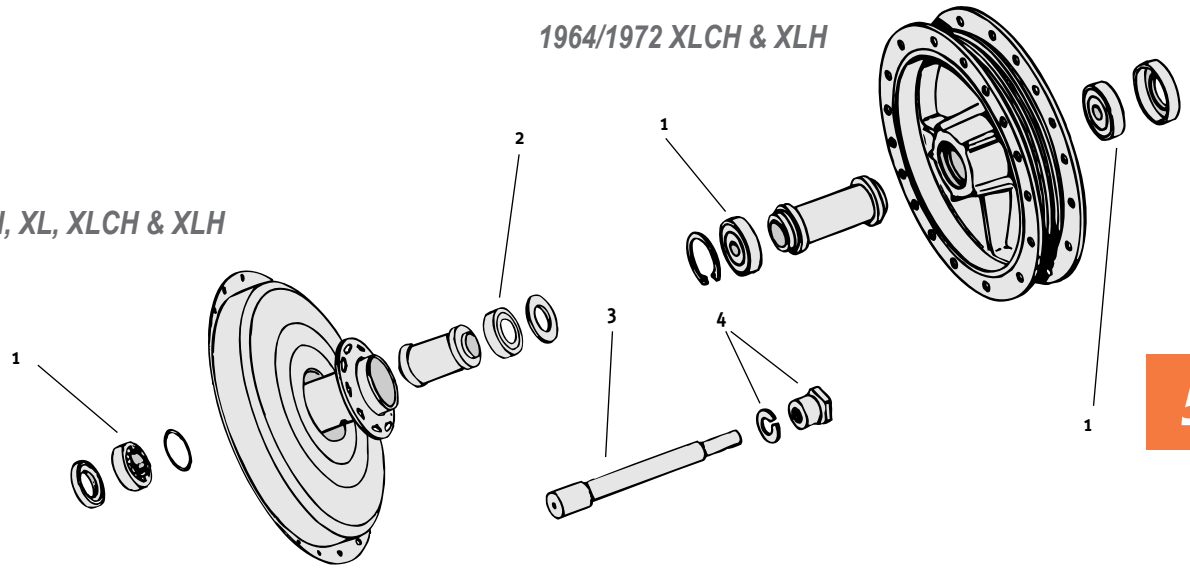
SPOKE WHEELS WITH DRUM BRAKES FOR SPORTSTER® & SUPER GLIDE® 1954 THRU 1972

ALL PARTS SOLD EACH

1	**95-136**	BEARING (OEM 9009)
2	**95-149**	BEARING (OEM 9008)
3	**32-133**	CHROME AXLE (OEM 43871-52)
4	—	CHROME NUT & WASHER (OEM 43886-52)

1964/1972 XLCH & XLH

1954/1963 KH, XL, XLCH & XLH

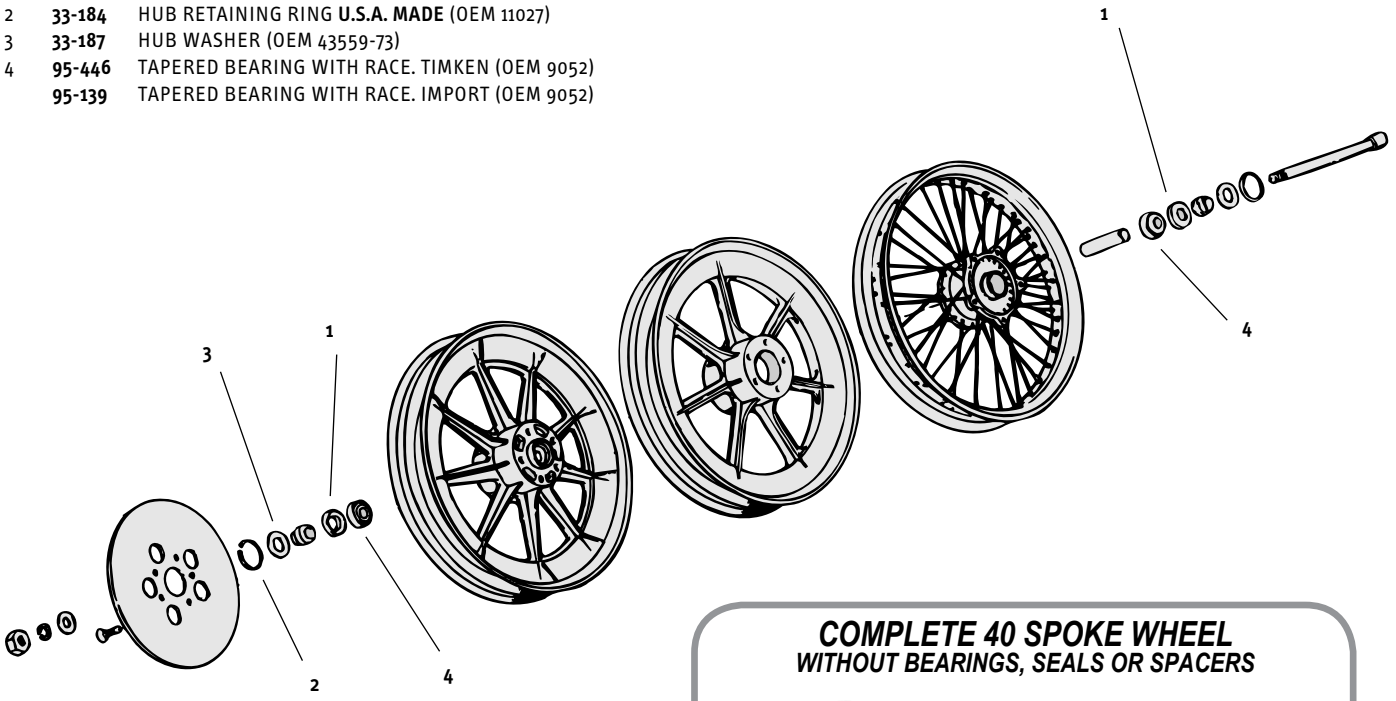


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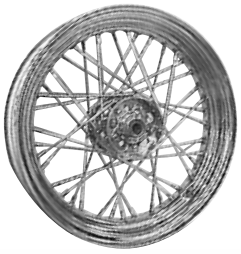
SPOKE AND CAST WHEEL WITH DISC BRAKE FOR SPORTSTER® & SUPER GLIDE® 1973 & LATER

ALL PARTS SOLD EACH

1	**95-235**	OIL SEAL .315" WIDE (OEM 47519-72)
2	**33-184**	HUB RETAINING RING **U.S.A. MADE** (OEM 11027)
3	**33-187**	HUB WASHER (OEM 43559-73)
4	**95-446**	TAPERED BEARING WITH RACE. TIMKEN (OEM 9052)
	95-139	TAPERED BEARING WITH RACE. IMPORT (OEM 9052)



COMPLETE 40 SPOKE WHEEL
WITHOUT BEARINGS, SEALS OR SPACERS



CHROME PLATED

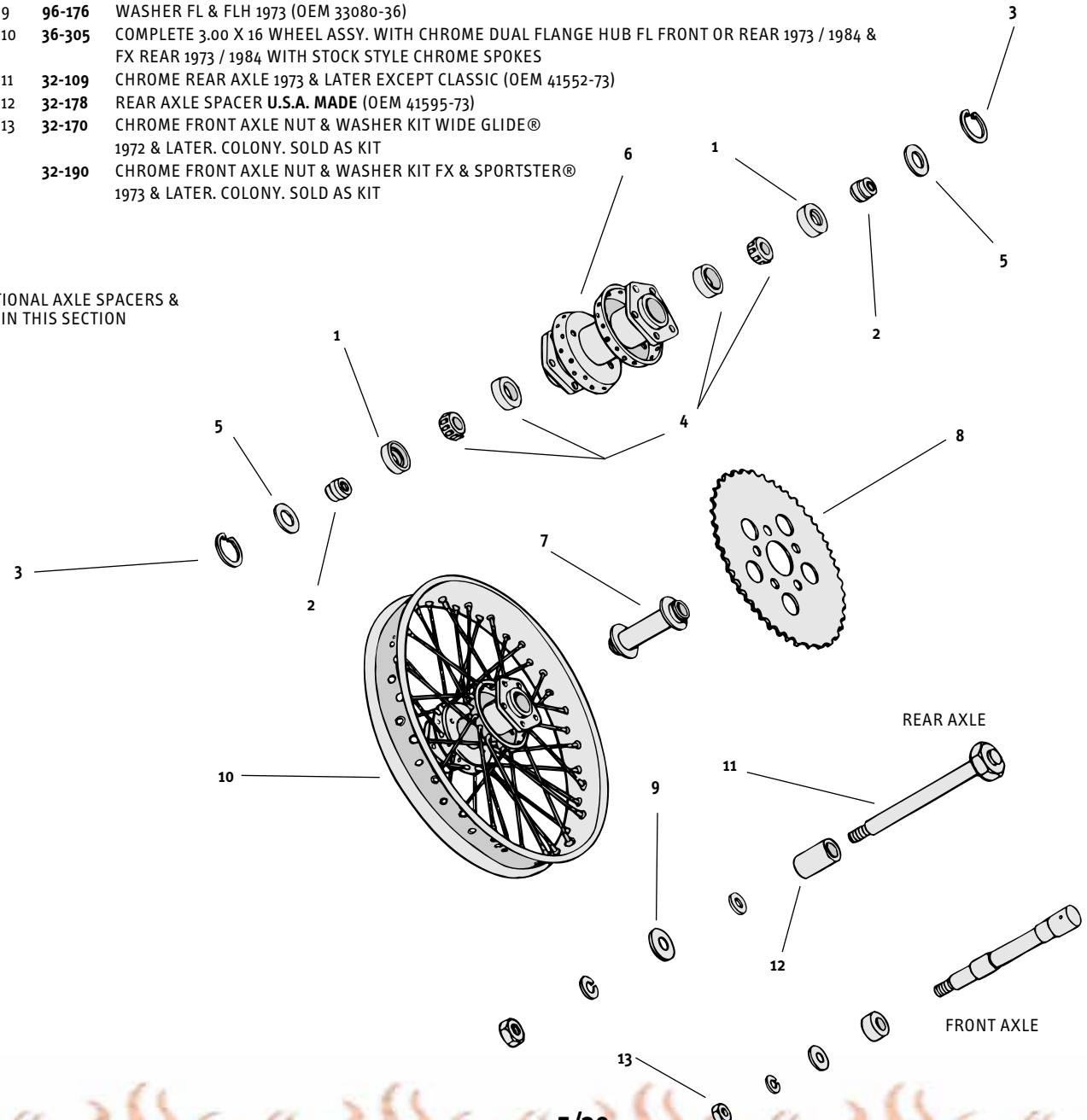
36-304 16" Front or rear, FL 1967 thru 1972. OEM 40982-67. SOLD EACH

FRONT & REAR WHEEL PARTS for FL, FLH & FX all MODELS, CAST & SPOKE WHEELS, 1973 THRU 1999

ALL PARTS SOLD EACH EXCEPT AS NOTED

1	**95-196**	OIL SEAL SPOKE WHEEL (OEM 47519-58)
	95-235	.315" WIDE OIL SEAL CAST WHEEL (OEM 47519-72)
	95-370	.410" WIDE OIL SEAL 1984 & LATER (OEM 47519-83A)
2	**33-182**	SMALL SPACER **U.S.A. MADE** (OEM 41196-73)
3	**33-184**	HUB RETAINING RING **U.S.A. MADE** (OEM 11027)
4	**95-446**	TAPERED BEARING WITH RACE. TIMKEN (OEM 9052) SOLD EACH
	95-139	TAPERED BEARING WITH RACE. IMPORT (OEM 9052) SOLD EACH
5	**33-187**	HUB WASHER **U.S.A. MADE** (OEM 43559-73)
6	—	40 HOLE COMPLETE DUAL FLANGE HUB ASSY. FL & FX FRONT OR REAR 1973 / 1985. CHROME (OEM 43540-73A)
7	**33-177**	4.420 "ORANGE" INNER WHEEL SPACER **U.S.A. MADE** (OEM 43601-78)
	33-178	4.434 "YELLOW" INNER WHEEL SPACER **U.S.A. MADE** (OEM 43602-78)
	33-183	4.448 "WHITE" INNER WHEEL SPACER **U.S.A. MADE** (OEM 43603-78)
8	**94-144**	48 TOOTH SPROCKET 4 SPEED 1973 / 1985. PLAIN METAL
	94-143	48 TOOTH SPROCKET 4 SPEED 1973 / 1985. CHROME
	94-141	49 TOOTH SPROCKET 4 SPEED 1973 / 1985. PLAIN METAL
	94-156	49 TOOTH SPROCKET 4 SPEED 1973 / 1985. CHROME
	94-95	51 TOOTH SPROCKET 4 SPEED 1973 / 1985. PLAIN METAL (OEM 41470-73)
	94-96	51 TOOTH SPROCKET 4 SPEED 1973 / 1985. CHROME (OEM 41470-73)
9	**96-176**	WASHER FL & FLH 1973 (OEM 33080-36)
10	**36-305**	COMPLETE 3.00 X 16 WHEEL ASSY. WITH CHROME DUAL FLANGE HUB FL FRONT OR REAR 1973 / 1984 & FX REAR 1973 / 1984 WITH STOCK STYLE CHROME SPOKES
11	**32-109**	CHROME REAR AXLE 1973 & LATER EXCEPT CLASSIC (OEM 41552-73)
12	**32-178**	REAR AXLE SPACER **U.S.A. MADE** (OEM 41595-73)
13	**32-170**	CHROME FRONT AXLE NUT & WASHER KIT WIDE GLIDE® 1972 & LATER. COLONY. SOLD AS KIT
	32-190	CHROME FRONT AXLE NUT & WASHER KIT FX & SPORTSTER® 1973 & LATER. COLONY. SOLD AS KIT

ADDITIONAL AXLE SPACERS & NUTS IN THIS SECTION



ULTIMA® BILLET ALUMINUM BRAKE CALIPERS AND BRACKETS

Ultima® 4 piston calipers feature an all new design for true custom style and premium performance. Available in polished or chrome plated finish with stainless steel fasteners. The new Ultima® caliper uses standard stainless steel pistons and anti-rattle springs for increased performance & excellent wear resistance. All Ultima® calipers offer reliable stopping power with great looks at an unmatched price.

A. ULTIMA® AND ULTIMA® PLUS FOUR PISTON CALIPERS & REPLACEMENT PARTS

90-675 Ultima® polished caliper. SOLD EACH
90-814 Ultima® chrome plated caliper.
90-818 Rebuild kit for Ultima® calipers. SOLD EACH
90-766 Replacement brake pads for Ultima® calipers (EBC)

B. CALIPER BRACKETS FOR ULTIMA® CALIPERS

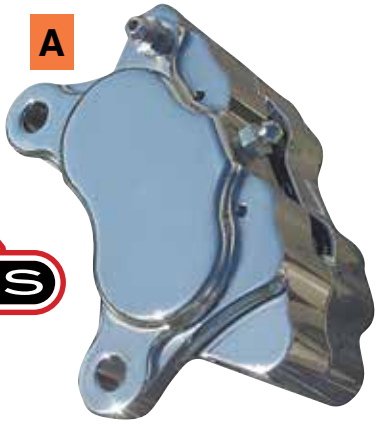
90-808 Front, 1984 thru 1999 with 11.5" rotor (except FXSTS). Polished. SOLD EACH
90-809 Front, 1984 thru 1999 with 11.5" rotor (except FXSTS).Chrome plated. SOLD EACH
90-884 Front, 2000/later with 11.5" rotor (except FXSTS). Left, polished. SOLD EACH
90-886 Front, 2000/later with 11.5" rotor (except FXSTS). Left, chrome plated. SOLD EACH
90-885 Front, 2000/later with 11.5" rotor (except FXSTS). Right, polished. SOLD EACH
90-887 Front, 2000/later with 11.5" rotor (except FXSTS). Right, chrome plated. SOLD EACH
90-819 Brake Kit Springer & Paughco Springer, left or right, polished. SOLD AS KIT
90-888 Brake Kit Springer & Paughco Springer, left or right, chrome plated. SOLD AS KIT
90-677 Rear, FXR 1982 thru 1999. Polished.
90-815 Rear, FXR 1982 thru 1999. Chrome plated.
90-679 Rear, Dyna® 1991 thru 1999. Polished.
90-817 Rear, Dyna® 1991 thru 1999. Chrome plated.
90-880 Rear, Dyna® 2000/later. Polished.
90-881 Rear, Dyna® 2000/later. Chrome plated.
90-810 Rear, Softail® 1987 thru 1999. Polished. Will work with 3/4" or 1" axle.
90-811 Rear, Softail® 1987 thru 1999. Chrome plated. Will work with 3/4" or 1" axle.
90-882 Rear, Softail® 2000/later. Polished. Fits 3/4" or 25mm axle.
90-883 Rear, Softail® 2000/later. Chrome plated. Fits 3/4" or 25mm axle.

C. ULTIMA® DUAL REAR CALIPER BRACKETS

For FXST 87'-99 and most custom applications. Fits 3/4" or 1" axle. Brackets sold individually. Instructions included and available online @ www.ultimaproducts.com.

90-827 Dual rear caliper bracket, polished. SOLD EACH
90-828 Dual rear caliper bracket, chrome.

A



B



90-809



90-884



90-885



90-817



90-888



90-880



90-811



90-882

C



90-828

PATENT# D601936



ULTIMA® CALIPERS SOLD SEPERATELY



A. *ULTIMA® 2000 LATE MODEL STYLE RETRO-FIT CALIPERS FOR SOFTAIL® 1984 THRU 1999*

Our new retro-fit 2000 style 4 piston calipers offer late model, looks and performance for your 1984 thru 1999 Softail®. Front calipers will fit all models using this mounting arrangement.. Both front and rear caliper are complete to include brake pads.

90-491 Front 4 piston brake caliper kit fits all models 1984 thru 1999. Chrome. SOLD EACH

90-492 Rear 4 piston brake caliper kit fits Softail® 1984 thru 1999. Chrome.



B. *ULTIMA® CHROME BRAKE CALIPERS FOR 2000 & LATER*

Chrome four piston calipers are nice replacements or good for building your new Twin Cam 88® project. Sintered brake pads will give OEM-like stopping power withe custom looks.

FRONT

Fits all 2000 & later models except V-Rod®, Springer® & Buell

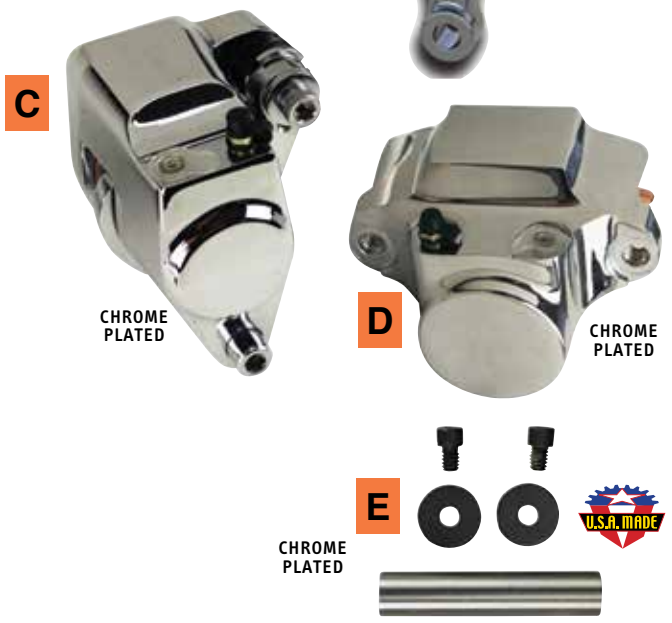
90-745 Left front caliper. Replaces OEM 44046-00.

90-746 Right front caliper. Replaces OEM 44023-00.

REAR

90-747 Rear caliper for V-Rod®, FLT, FLHR/I & Softail®. Replaces OEM 44016-00.

90-748 Rear caliper for Dyna®. Replaces OEM 44017-00.



C. *CHROME FRONT CALIPERS*

Fits Big Twin & Sportster® 1984 thru 1999.

90-436 Right caliper assembly. OEM 44023-83C. SOLD EACH

90-437 Left caliper assembly. OEM 44046-84C.

NOTE: Brake pads must be purchased separately.

D. *CHROME REAR CALIPER*

"Hayes Type" rear caliper for Big Twin 1987 thru 1994 (except FLT, FLHT & FLHS) and Sportster® all models 1987 thru 1999.

90-434 Caliper assembly. OEM 44050-87. SOLD EACH

NOTE: Brake pads must be purchased separately.

E. *OVERSIZE CALIPER MOUNTING PIN REBUILD KIT*

This **U.S.A. MADE** kit replaces stock mounting pin by boring caliper holes oversize, giving longer life to the caliper housing before replacement. Poly bagged with instructions.

90-301 SOLD AS KIT



F. *FRONT CALIPERS 1984 THRU 1999*

Chrome plated caliper assemblies include mounting hardware and brake pads. Replaces late style calipers.

90-566 Chrome dual front caliper kit. Fits all models with dual disc 1984 thru 1999, also 1983 XR1000. SOLD AS KIT

90-562 Chrome single front (left) caliper kit. Fits all single disc models 1984 thru 1999.OEM 44046-84C.

90-561 Chrome replacement (right) caliper only. OEM 44023-83C.

A. *2000 & LATER CALIPERS & BRACKETS*

High quality, chrome, OEM replacement calipers and brackets for 2000 and later Harley Davidsons. All calipers come complete with brake pads. SOLD EACH

FRONT

90-831 Front right. Fits 00'-07' Softail®/Dyna®, FLT, 00'-03' XL.
90-853 Front left. Fits 00'-07' Softail®/Dyna®, FLT, 00'-03' XL.
90-832 Front left. Fits 08'-up Softail®/Dyna®, OEM 44046-08.
90-835 Front left. Fits 04'-08' XL, OEM 44121-04.
90-836 Front right. Fits 04'-08' XL, OEM 44119-04.

REAR

90-837 Rear caliper only. Fits 00'-05' Softail®.
90-838 Rear caliper only. Fits 06'-07' Softail®, OEM 40908-06.
90-839 Rear caliper bracket. Fits 06'-07' Softail®, OEM 42895-06.
90-840 Rear. Fits 08'-up Softail®/Dyna®, OEM 40908-08.
90-841 Rear caliper bracket. Fits 08'-up Softail®, OEM 42895-08.
90-842 Rear caliper bracket. Fits 08'-up Dyna®, OEM 42062-08.
90-843 Rear caliper. Fits 00'-05' Dyna®.
90-844 Rear caliper. Fits 06'-07' Dyna®, OEM 44017-06.
90-845 Rear caliper. Fits 00'-03' XL, OEM 40925-00.
90-846 Rear caliper & bracket. Fits 04' XL, OEM 40968-04.
90-847 Rear caliper & bracket. Fits 05'-07' XL, OEM 40968-05.
90-848 Rear caliper & bracket. Fits 08'-up XL, OEM 40968-08. (not shown)
90-849 Rear caliper. Fits 02'-07' FLT, OEM 44080-02.
90-854 Rear caliper. Fits 08'-up FLT, OEM 44080-08. (not shown)
90-855 Rear caliper bracket. Fits 08'-up FLT, OEM 44089-08.


90-831


90-853


90-832


90-835


90-838


90-837


90-845


90-847


90-842


90-848


90-836


90-839


90-849


90-843


90-840


90-844


90-846


90-855


90-841

5

A



90-369



90-288

B



90-521



90-360

C



E



F





G



H





G. *REPAIR KIT FOR STRIPPED BRAKE CALIPERS*

Until now a stripped brake caliper bleeder screw meant riders were faced with the very high cost of replacing an entire brake caliper assembly. With this unique American made precision machined two-piece repair kit, a fast, safe, inexpensive and reliable fix is now available for most calipers in use today.

90-234 SOLD EACH

H. *CALIPER MOUNTING STUD KIT*

U.S.A. MADE kit includes mounting stud, lock nut and washer, two brake pad pins (part No. **90-128**) and two steel caliper mount bracket bushings (part No. **90-129** & **90-130**).

90-127 Caliper mounting stud kit for FL, FLH, FLH-80 & Classic, 1973 thru 1983. Replaces OEM 44331-73. SOLD AS KIT

A. *FRONT DUAL DISC CALIPERS*

Brake caliper units for all H-D® models with dual disc front end 1977 thru 1983 (except FLT). Includes XLCR 1977 & 1978, XL 1979 thru 1983, FX 1977 thru 1983, and FXWG 1980 thru 1983.

90-369 Chrome plated left & right calipers. Replaces OEM 44025-80 & 44026-80. SOLD AS PAIR

90-288 Black left & right calipers. Replaces OEM 44025-80 & 44026-80. SOLD AS PAIR

90-302 Front caliper bushings. Replaces dual front, lower leg caliper bushings. One kit needed per caliper. OEM 46019-77 and 46018-77. SOLD AS KIT

90-346 Brake pad pin. OEM 44162-77. SOLD EACH

NOTE: Brake pads must be purchased separately.

B. *MIDWEST REAR DISC BRAKE CALIPERS*

Rear brake calipers for 4 speed Big Twins 1973 thru 1983. Caliper will work with boomerang type mounting bracket (OEM equipment thru 1980) or "Y" bracket used 1980 thru 1983. Contains everything needed to mount to either type mounting bracket, as well as bushings, pads, spring caliper support, rotor spacers, mounting pins and chrome plugs for unused mounting holes.

90-360 Chrome plated dual piston rear caliper. An internal crossover is used for brake fluid passage eliminating unsightly and troublesome external lines. This caliper increases stopping power, extends pad life and balances rotor wear. Seals are square section type, use our part No. **90-238** (2 required) for rebuilding. SOLD EACH

90-520 Chrome plated single piston rear caliper.

90-521 Black single piston rear caliper.

C. *BRAKE CALIPER ASSEMBLIES*

A complete replacement brake caliper for FL 1973 thru 1980 rear, FL 1972 thru 1983 front, and FX 1973 thru 1980 rear. Replaces OEM 44001-78B. Fits the boomerang style mounting bracket part No. **90-231**.

90-281 Chrome brake caliper assembly. SOLD EACH

90-291 Black brake caliper assembly.

Caliper for 1980 thru 1983. Replaces OEM 44010-81. Fits the "Y" style mounting bracket.

90-439 Chrome brake caliper assembly. SOLD EACH

90-408 Black brake caliper assembly.

NOTE: Brake pads must be purchased separately.

D. *REPLACEMENT BRAKE PADS FOR JAYBRAKE CALIPERS*

90-570 EBC brake pads (2). Fits 2 and 4 piston Jaybrake calipers. SOLD AS SET

E. *REAR BRAKE CALIPER ANCHOR ARM BOLT KIT*

These stock replacement bolts, nuts, washers and cotter pins fit 1973 thru 1983 FL & FX.

83-11 Kit, chrome plated. SOLD AS KIT

F. *CHROME BRAKE CALIPER INSERTS*

U.S.A. MADE steel chrome with beveled edge. Held on with 2-way 3M tough tape. A nice touch for all H-D® calipers.

89-357 Insert dia.: 1.40". Fits large FL caliper 1972 thru 1984, Sportster® rear 1977 thru 1981, dual disc front FX & XL 1977 thru 1983. SOLD EACH

A. *JAY BRAKE CALIPER BRACKETS (2 PISTON)*

These brackets for the Jaybrake 2 piston calipers mount in the stock position.

MOUNTING KIT PART NO.	FITMENT.	ROTOR DIA.
90-485	Fender tab mount, 1973 thru 1983 FX & XL.	10"
	21" Rim requires shallow back caliper.	10"
90-487	Stock mount, 1980 thru 1983 FXWG. Either side.	10"

***NOTE:** Dual disc applications order 2 each. Brackets are same left & right.

SOLD EACH

A



90-485



90-487

B. *JAY BRAKE CALIPER BRACKETS (STOCK MOUNT)*

The below "Stock mount" listed brackets mount in the stock position.

FOR CUSTOM SET UPS SOLD EACH

90-505 Bottom mount, "twin caliper", rigid frames (chrome). 11.5" dia. **NOTE:** 2 required.

B



90-505

C. *CALIPER SEAL KITS*

An essential kit which is not available from any OEM Harley® parts catalog. Each kit contains the necessary seal and dust boots.

90-212 For XL 1974 thru 1977 and FX 1974 thru 1977 front caliper single disc. OEM 44277-74 & 44278-74. SOLD AS KIT

90-213 For XL 1978 thru 1983 and FX 1977 thru 1983 front caliper dual disc. OEM 44151-77 & 44153-77.

90-214 For FX 1973 thru 1980 rear and FL 1972 thru 1980 (except FLT) front & rear calipers single disc. OEM 44127-72A & 44133-72.

90-238 For FX 1981 & 1982 rear single piston caliper and FL 1980 thru 1984 front & rear single piston caliper. OEM 44007-80 & 44133-72.

90-331 For FL, FLHT & FLT, 1980 thru 1985 with dual piston rear brake caliper. Includes one (1) each of OEM 43945-79 & 43947-79. **NOTE:** Two (2) kits required per caliper.

90-216 For XL, FX & FLT, 1984 thru 1999, front caliper Includes one (1) each of OEM 44022-83 & 44047-83.

90-356 For XL late 1987 thru 1999, FXR & FXST, late 1987 & later, and FLT 1987 thru 1999, rear caliper. OEM 44045-87.

90-661 For all H-D® models 2000 & later four piston calipers, front or rear. OEM 44315-00.

90-729 O-Ring rebuild kit for 4 piston calipers. SOLD EACH

C



90-214



90-216

D. *BRAKE CALIPER PISTON ASSEMBLIES*

NOTE: SEALS SOLD SEPARATELY

90-220 Front FL 1972 thru early 1980. OEM 44109-72A. SOLD EACH

90-222 Front FX 1974 thru 1977 and Sportster® 1974 thru 1977. OEM 44275-74. SOLD EACH

90-438 Front FX & XL dual disc 1978 thru 1983. OEM 44157-77. Requires one piston for each caliper. SOLD EACH

90-660 Front or Rear all H-D® models 2000 & later. Includes four pistons and seals for one caliper. OEM 44313-00. SOLD AS KIT

90-219 Rear FL & FX, 1973 thru early 1980. OEM 44129-73. SOLD EACH

90-221 Rear FL late 1980, FX late 1980 thru 1982, and FXE 1983. OEM 44118-80. Also Front FL late 1980 thru 1984. SOLD EACH

90-330 Rear FL 1981 thru 1984 and FLT & FLHT 1980 thru 1985. OEM 43946-79. SOLD AS KIT

90-445 Rear Sportster® 1979 thru 1981. OEM 44181-77A. SOLD EACH

D



90-219



90-220



90-222



90-438

A. *CALIPER MOUNT HARDWARE*

All 1984 & later sets include mounting pin, mounting bolt with flat washer, back screw, & bleeder screw. All sets for Springer Softail® models also include drilled mounting bolt with clip. Polished.

FRONT CALIPER MOUNT HARDWARE

90-250 2000 & later, all H-D® except FLSTS & FXSTS. SOLD AS SET
90-251 1993 Thru 1999, all H-D® except Springers® (dual brakes order two sets).
90-252 1984 Thru 1992, all H-D® except Springers® (dual brakes order two sets).
90-253 1997 & Later FLSTS Springer Softail®.
90-254 1988 & Later FXSTS Springer Softail®.
90-255 1977 Thru 1983 XL & FX, dual disc.
90-256 1974 Thru 1977 XL & FX, single disc.

REAR CALIPER MOUNT HARDWARE

90-258 2000 & later, all H-D®. SOLD AS SET
90-259 1987 Thru 1999, all H-D®. Includes two guide pins (Torx®) and bleeder screw.
90-260 1982 Thru 1986 XL & FXR (bolts only).


90-250


90-251


90-252


90-253

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90-254


90-255

CHROME PLATED


90-256

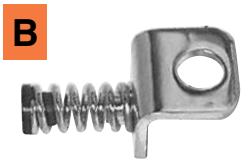

90-258


90-259


90-260

B. *AXLE MOUNT CALIPER SUPPORT BRACKET*

B



CHROME PLATED

Fits 74" or 80" H-D® with stock rear disc brake. 3/16" Thick bracket replaces your bent rear axle flat washer and puts even pressure on the swingarm to keep the right rear axle adjuster from jamming. 26 Pounds of spring pressure.

5-81 For 1980 and earlier. SOLD EACH

C. *REAR BRAKE BACKING PLATES FOR BIG TWIN*

C

CHROME PLATED


90-368

Just what you've been looking for — our chrome plated rear brake backing plates for hydraulic rear brakes on all Big Twin models 1958 thru 1972. Because of the depressions & definitions of this part, the chrome plating may be inconsistent in some places. SOLD EACH

90-367 Fits Big Twin 1958 thru 1962. Replaces OEM 41650-58.
90-368 Fits Big Twin 1963 thru 1972. Replaces OEM 41650-63.

D. *BRAKE DRUMS FOR H-D®*

D


90-53


90-84

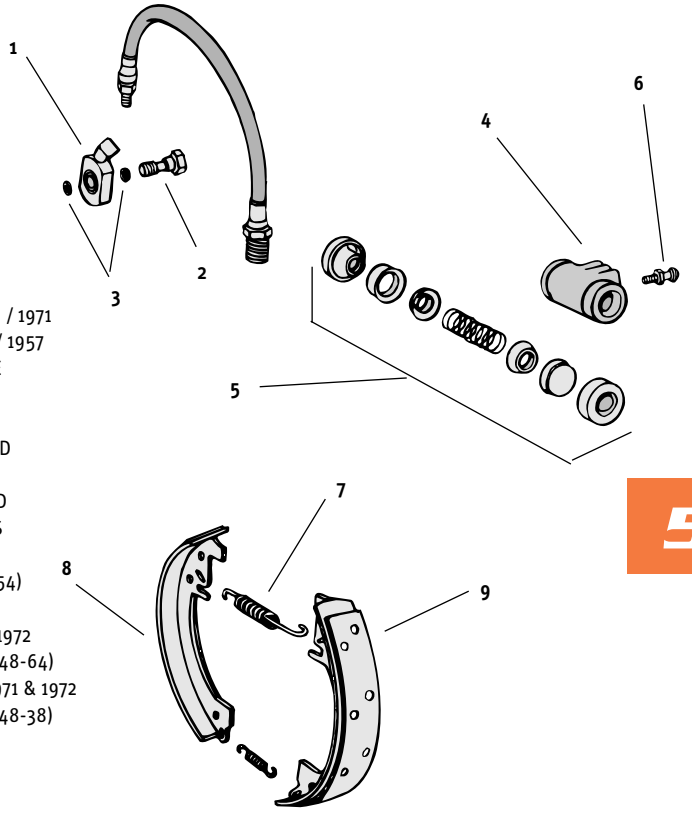
For H-D® 74" Big Twin. Complete with sprockets. Chrome plated except as noted. **90-53** For 1936 thru 1957. OEM 41401-37. SOLD EACH
90-90 For 1963 thru 1966. OEM 41400-63.
90-88 For 1967 thru 1972. OEM 41400-67.

For Sportster® 1954 thru 1978. Complete with sprockets. OEM 41401-52.
90-84 Black brake drum. SOLD EACH
90-85 Chrome plated brake drum.

HYDRAULIC BRAKE SYSTEM PARTS

ALL PARTS SOLD EACH EXCEPT AS NOTED

1	**90-199**	SWIVEL FITTING 1958 / 1962 **U.S.A. MADE** (OEM 41745-58)
	90-355	SWIVEL FITTING 1963 / 1973 (OEM 41750-63)
2	**90-200**	BOLT 1958 / 1972 **U.S.A. MADE** (OEM 41743-58)
3	**90-198**	COPPER GASKET BIG TWIN 1958 / 1972 (OEM 41744-58)
4	**90-126**	WHEEL CYLINDER 1958 / 1962. ACCEL (OEM 41740-58)
5	**90-64**	REBUILD KIT 1963 / 1972 (OEM 41748-63) SOLD AS KIT
6	**90-280**	BLEEDER SCREW **U.S.A. MADE** (OEM 41749-58)
7	**90-354**	REAR RETURN SPRING 1963 / 1972 (OEM 41836-63)
		BRAKE SHOES. SOLD AS SET
8	**90-92**	STANDARD BRAKE SHOES (OEM 44401-49, 49A, 49B) ALL MODELS SPORTSTER®: FRONT & REAR 1954 / 1963, REAR ONLY 1963 / 1978. ALSO BIG TWIN: FRONT ONLY 1949 / 1971
	90-183	STANDARD BRAKE SHOES (OEM 41805-38) BIG TWIN 1937 / 1957 WITH OLD STYLE MECHANICAL REAR BAKES AND FOR USE WITH OUR PART NO. **90-53** BRAKE DRUM
	90-86	BONDED BRAKE SHOES 15/16" WIDE (OEM 41801-58A) BIG TWIN 1958 / 1962 WITH HYDRAULIC REAR BRAKES AND FOR USE WITH OUR BRAKE DRUM
	90-89	BRAKE SHOES (OEM 41801-63) FL, FLH & FX 1963 / 1972 AND OR USE WITH OUR PART NO. **90-88** & **90-90** BRAKE DRUMS
		BRAKE LININGS & RIVETS. SOLD AS SET
9	**90-70**	BRAKE LININGS & RIVETS 1" X 9-1/2", 7 HOLE (OEM 44432-54) SPORTSTER® FRONT 1954/ 1963 AND REAR 1954 / 1978, ALL FL & FLH FRONT 1954 / 1971, SERVI-CAR FRONT 1958 / 1972
	90-100	BRAKE LININGS & RIVETS 1-1/2" X 7-1/4", 6 HOLE (OEM 41848-64) SPORTSTER® FRONT 1964/ 1972, SUPER GLIDE® FRONT 1971 & 1972
	90-163	BRAKE LININGS & RIVETS 1-1/2" X 7-1/4", 6 HOLE (OEM 41848-38) FL & FLH REAR MECHANICAL BRAKES 1937/ 1957
	90-106	BRAKE LININGS & RIVETS 1-1/2" X 8-1/2", 8 HOLE (OEM 41808-63) H-D® 74" REAR 1963/ 1972

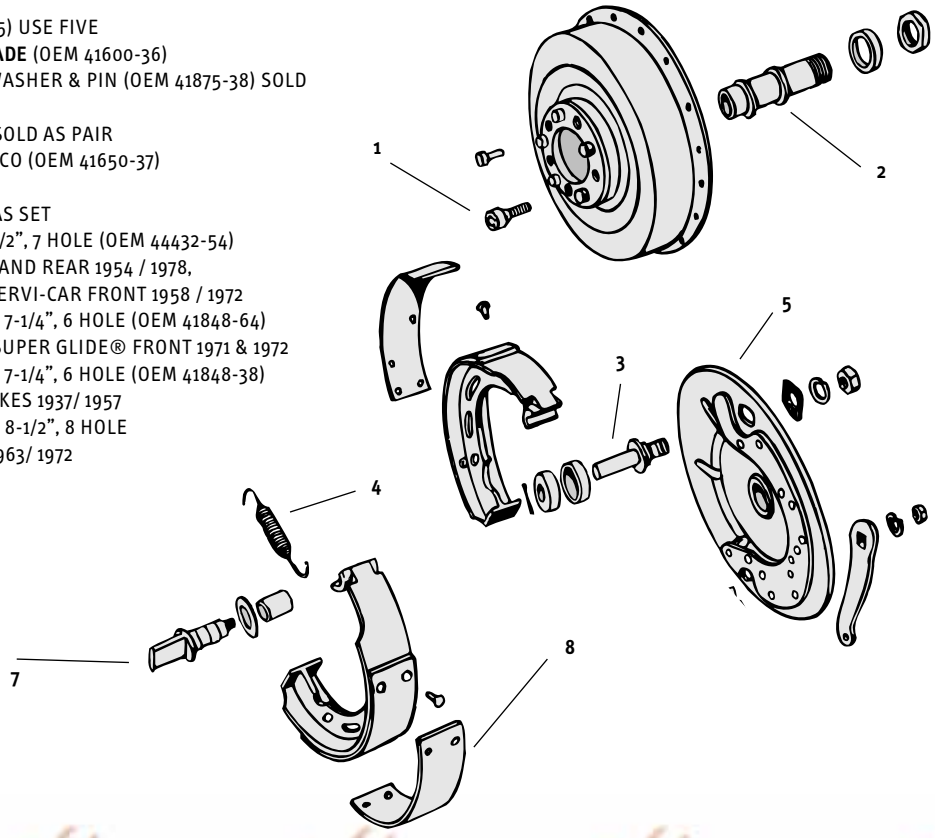


5

REAR MECHANICAL BRAKE & PARTS FOR H-D® 61", 74" & 80" TWINS 1936 THRU 1957

ALL PARTS SOLD EACH EXCEPT AS NOTED NOTE: MECHANICAL BRAKE PARTS ARE FOUND IN SECTION 4

1	**33-24**	CHROME LUG BOLT (OEM 43530-35) USE FIVE
2	**32-126**	BACKING PLATE SLEEVE **U.S.A. MADE** (OEM 41600-36)
3	—	PIVOT STUD & CUPS WITH NUT, WASHER & PIN (OEM 41875-38) SOLD AS SET
4	**90-182**	BRAKE SPRINGS (OEM 41835-30) SOLD AS PAIR
5	—	CHROME BACKING PLATE. PAUGHCO (OEM 41650-37)
7	**90-180**	BRAKE CAM (OEM 41671-37)
		BRAKE LININGS & RIVETS. SOLD AS SET
8	**90-70**	BRAKE LININGS & RIVETS 1" X 9-1/2", 7 HOLE (OEM 44432-54) SPORTSTER® FRONT 1954 / 1963 AND REAR 1954 / 1978, ALL FL & FLH FRONT 1954 / 1971, SERVI-CAR FRONT 1958 / 1972
	90-100	BRAKE LININGS & RIVETS 1-1/2" X 7-1/4", 6 HOLE (OEM 41848-64) SPORTSTER® FRONT 1964/ 1972, SUPER GLIDE® FRONT 1971 & 1972
	90-163	BRAKE LININGS & RIVETS 1-1/2" X 7-1/4", 6 HOLE (OEM 41848-38) FL & FLH REAR MECHANICAL BRAKES 1937/ 1957
	90-106	BRAKE LININGS & RIVETS 1-1/2" X 8-1/2", 8 HOLE (OEM 41808-63) H-D® 74" REAR 1963/ 1972



DISC BRAKE PARTS

ALL PARTS SOLD EACH EXCEPT AS NOTED

1	**95-235**	.315" WIDE OIL SEAL FL & FLH 1972 / 1999 (OEM 47519-72)
2	**33-24**	3/8-20 SOCKET HEAD LUG BOLT FL & FLH 1936 / 1972. CHROME (OEM 43530-35A) USE FIVE
3	**90-244**	DISC TO HUB ROTOR SPACER PLATE FX & XL FRONT 1973, FX REAR 1973 / 1980, FL FRONT & REAR 1973 / 1983 **U.S.A. MADE** (OEM 41814-76A)
4	**90-246**	3/8-16 X 1" FLAT SCREW (OEM 43567-79)
5	**66-76**	3/8" I.D. HOSE CLAMP **U.S.A. MADE** (OEM 38712-68)
6	**90-129**	LONG STEEL BUSHING FL, FLH, FLH-80, CLASSIC 1976 / 1980 **U.S.A. MADE** (OEM 45821-75)
7	**83-10**	CHROME ANCHOR STRAP (OEM 44154-73)
8	**90-300**	CALIPER MOUNTING PIN **U.S.A. MADE** (OEM 44107-72)
9		COMPLETE CALIPER ASSEMBLY
	90-281	CHROME CALIPER ASSY. FL REAR 1973 / 1980, FL FRONT 1972 / 1983, FX REAR 1973 / 1980 (OEM 44001-78B) **NOTE:** BRAKE PADS MUST BE PURCHASED SEPARATELY
	90-291	BLACK CALIPER ASSY. FL REAR 1973 / 1980, FL FRONT 1972 / 1983, FX REAR 1973 / 1980 (OEM 44001-78B) **NOTE:** BRAKE PADS MUST BE PURCHASED SEPARATELY
	90-439	CHROME CALIPER ASSY. 1980 / 1983 (OEM 44101-81) **NOTE:** BRAKE PADS MUST BE PURCHASED SEPARATELY
	90-408	BLACK CALIPER ASSY. 1980 / 1983 (OEM 44101-81) **NOTE:** BRAKE PADS MUST BE PURCHASED SEPARATELY
10	**90-128**	BRAKE PAD PIN FL & FLH, FLH-80 & CLASSIC 1972 / EARLY 1980 **U.S.A. MADE** (OEM 44124-72) USE TWO
11	**90-130**	SHORT STEEL BUSHING FL, FLH, FLH-80 & CLASSIC 1976 / EARLY 1980 **U.S.A. MADE** (OEM 45822-75)
12	**90-231**	CHROME "BOOMERANG" CALIPER MOUNT BRACKET FL, FLH, FLH-80 & CLASSIC 1973 / 1980 (OEM 44166-73)
13		CALIPER PISTON ASSEMBLY. SOLD AS KIT
	90-220	FRONT FL 1972 / EARLY 1980 (OEM 44109-72A)
	90-222	FRONT FX 1974 / 1977 & SPORTSTER® 1974 / 1977 (OEM 44275-74)
	90-438	FRONT FX & XL DUAL DISC 1978 / 1983 (OEM 44157-77) REQUIRES ONE PISTON FOR EACH CALIPER
	90-660	FRONT OR REAR ALL H-D® MODELS 2000 & LATER. INCLUDES FOUR PISTONS AND SEALS FOR ONE CALIPER (OEM 44313-00)
	90-219	REAR FL & FX, 1973 / EARLY 1980 (OEM 44129-73)
	90-221	REAR FL LATE 1980, FX LATE 1980 / 1982, & FXE 1983 ALSO FRONT FL LATE 1980 / 1984 (OEM 44118-80)
	90-330	REAR FL 1981 / 1984 & FLT & FLHT 1980 / 1985 (OEM 43946-79)
	90-445	REAR SPORTSTER® 1979 / 1981 (OEM 44181-77A)
14		CALIPER SEAL KIT: AN ESSENTIAL KIT WHICH IS NOT AVAILABLE FROM ANY OEM HARLEY® PARTS CATALOG. EACH KIT CONTAINS THE NECESSARY SEAL AND DUST BOOTS. SOLD AS KIT
	90-212	FRONT CALIPER SINGLE DISC XL 1974 / 1977, FX 1974 / 1977 (OEM 44277-74 & 44278-74)
	90-213	FRONT CALIPER DUAL DISC XL 1978 / 1983, FX 1977 / 1983 (OEM 44151-77 & 44153-77)
	90-214	SINGLE DISC FX 1973 / 1980 REAR, FL 1972 / 1980 (EXCEPT FLT) FRONT & REAR (OEM 44127-72A & 44133-72)
	90-238	FX 1981 & 1982 REAR SINGLE PISTON CALIPER, FL 1980 / 1984 FRONT & REAR SINGLE PISTON CALIPER (OEM 44007-80 & 44133-72)
	90-331	FL, FLHT & FLT, 1980 / 1985 WITH DUAL PISTON REAR BRAKE CALIPER. INCLUDES ONE EACH OF OEM 43945-79 & 43947-79. **NOTE:** TWO KITS REQUIRED PER CALIPER.
	90-216	XL, FX & FLT 1984 / 1999 FRONT CALIPER. INCLUDES ONE EACH OF OEM 44022-83 & 44047-83
	90-356	XL LATE 1987 / 1999, FXR & FXST LATE 1987 & LATER, FLT 1987 / 1999 REAR CALIPER (OEM 44045-87)
	90-661	ALL H-D® MODELS 2000 & LATER FOUR PISTON CALIPERS, FRONT OR REAR (OEM 44315-00)
15	**90-280**	BLEEDER VALVE FOR FRONT & REAR 1973 / 1977. ACCEL (OEM 41749-58)

A



ACCEL

A. *REAR BRAKE MASTER CYLINDER ASSEMBLIES*

Accel rear wheel cylinder assemblies provide positive brake operation and leak-free performance. 100% **U.S.A. MADE** cast iron housings are precision machined to close tolerances. Heavy duty SBR (styrene butadiene rubber) cups & seals are used, located by Accel's unique patented compression spring. All Accel rear brake cylinder assemblies are compatible with DOT 3, 4, or 5 brake fluid.

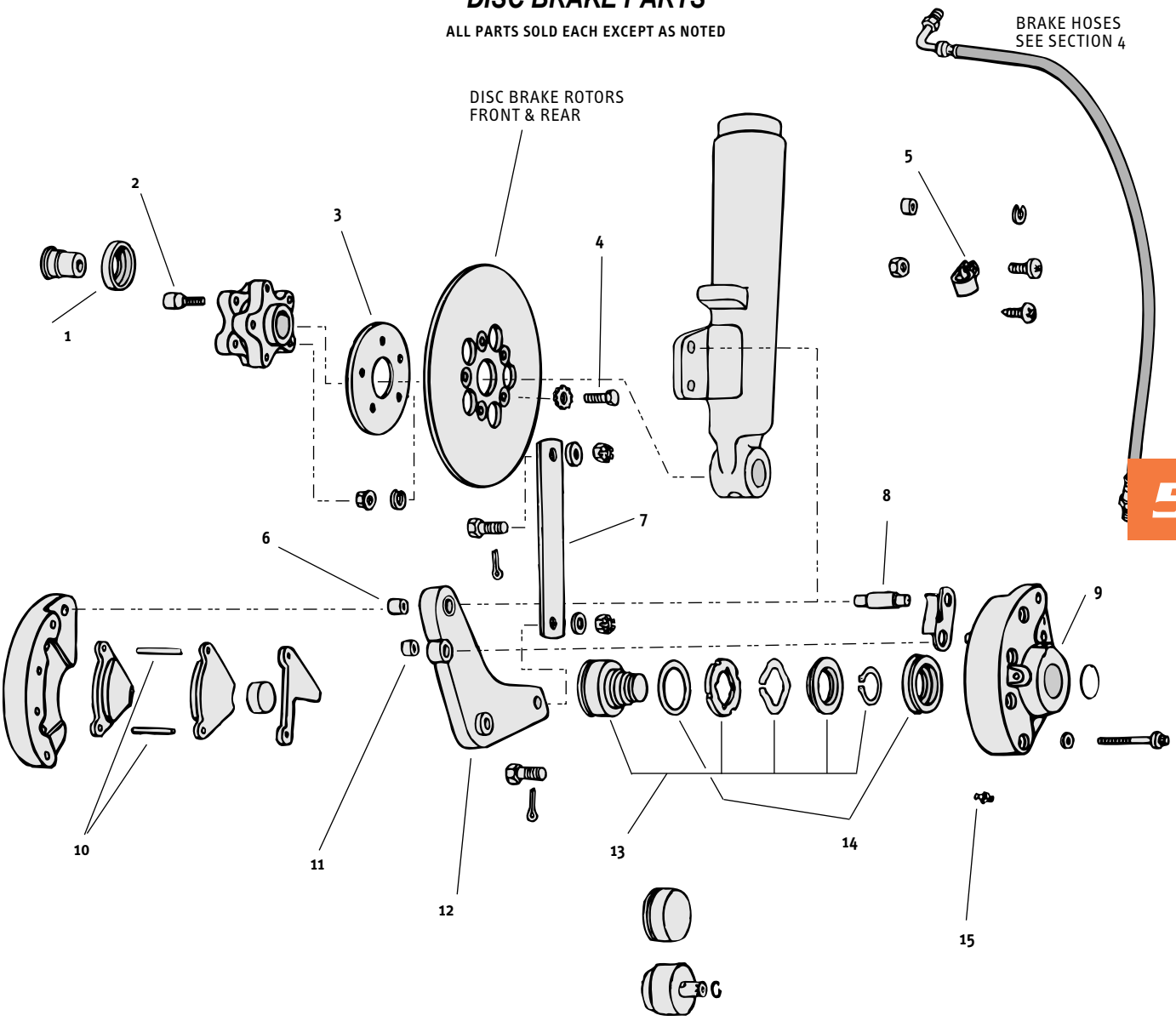
90-126 Cylinder for 1958 thru 1962 FL & FLH V-Twin models. OEM 41740-58. SOLD EACH

These Accel bleeder screws are precision machined and are a must if the original bleeders become rusted or their hex portion becomes rounded during service making it impossible to loosen or tighten properly.

90-280 Bleeder screws fit above cylinders, also all disc brake calipers on FL 1972 thru 1979 and XL 1973 thru 1977. SOLD EACH

DISC BRAKE PARTS

ALL PARTS SOLD EACH EXCEPT AS NOTED



A. *BRAKE SHOES*



90-92 Fits Sportster® (all models): Front & rear 1954 thru 1963, Rear only 1963 thru 1978. Fits Big Twin: Front only 1949 thru 1971. Standard. OEM 44401-49, 49A, 49B. SOLD AS SET

90-183 Fits Big Twin 1937 thru 1957 with old style mechanical Rear brakes and for use with our part No. **90-53** brake drum. Standard. OEM 41805-38. SOLD AS SET

90-86 Fits Big Twin 1958 thru 1962 with hydraulic rear brakes or for use with brake drum (15/16" wide). Bonded. OEM 41801-58A. SOLD AS SET

90-89 Fits 1963 thru 1972 FL, FLH, FX, or for use with our part No. **90-88** and **90-90** brake drums. OEM 41801-63. SOLD AS SET

B. *BRAKE LININGS WITH RIVETS* SOLD AS SET



90-70 Fits Sportster® 1954 thru 1963, Front and 1954 thru 1978, Rear. Fits all FL & FLH, 1954 thru 1971, and Servi-Car 1958 thru 1972, Front. 1" x 9-1/2," 7 Hole. OEM 44432-54.

90-100 Fits Sportster® 1964 thru 1972, Front, and Super Glide® 1971 & 1972 Front. 1-1/2" x 7-1/4", 6 Hole. OEM 41848-64.

90-163 Fits all FL & FLH, 1937 thru 1957, mechanical brakes, Rear. 1-1/2" x 7-1/4", 6 Hole. OEM 41848-38.

90-106 Fits all H-D® 74" 1963 thru 1972, Rear. 1-1/2" x 8-1/2", 8 Hole. OEM 41808-63.

ULTIMA® BRAKE PADS

Ultima® Brake Pads are a line of high quality pads available in two different material compositions. The sintered material pads offer a high friction level with superior heat transfer for increased fade free stopping power. The kevlar pads offer a smooth responsive feel that is gentler for polished or chrome rotors.





90-11





90-12





90-15





90-17







90-20





90-23





90-25



90-28

Fits XL and FX models 1974-1977. Front single disc (comes w/rivets). OEM 44281-74.

90-10 Sintered brake pad set.
90-11 Kevlar brake pad set.

Fits FL rear 1972-1980, FX rear 1972-1983, FL front 1973-1984, and FX/XL front 1973. OEM 44005-78 & 44135-74.

90-12 Sintered brake pad set.
90-13 Kevlar brake pad set.

Fits XL, FX and FXR 1977-1983 front dual disc. OEM 44098-77.

90-14 Sintered brake pad set.
90-15 Kevlar brake pad set.

Fits XL rear 1977-1981 & FLT front 1980-1983. OEM 44099-77.

90-17 Sintered brake pad set.
90-18 Kevlar brake pad set.

Fits FL, FLT, FLHT 1980-1985 rear. OEM 43957-80.

90-20 Sintered brake pad set.
90-22 Kevlar brake pad set.

Fits all models 1984-1999 front w/either single or dual disc. All Springer m odels 1988-2007 front. OEM 44063-83.

90-23 Sintered brake pad set.
90-24 Kevlar brake pad set.

Fits all models 1982-1987 rear (except FLT/FLHT). OEM 44209-82.

90-25 Sintered brake pad set.
90-26 Kevlar brake pad set.

Fits all models 1987-1999 rear (except FLHS/FLT/FLHT). OEM 44209-87A & 44213-87.

90-27 Sintered brake pad set.
90-28 Kevlar brake pad set.

ULTIMA® BRAKE PADS

Ultima® Brake Pads are a line of high quality pads available in two different material compositions. The sintered material pads offer a high friction level with superior heat transfer for increased fade free stopping power. The kevlar pads offer a smooth responsive feel that is gentler for polished or chrome rotors.

Fits FLT/FLHS/FLHT 1986-1999 rear. OEM 43957-86C.
90-29 Sintered brake pad set.
90-30 Kevlar brake pad set.



Fits Softail® models 2000-2007 front or rear (except rear on 2006-Present FXST, FXSTB, FXSTS, FLSTFSE, 2007-present FLSTF & FLSTC).
Fits Dyna® & FLH/FLT 2000-2007 front or rear.
Fits XL 2000-2003 front or rear.
Fits V-Rod 2002-2005 front or rear
OEM 44082-00
90-31 Sintered brake pad set.
90-32 Kevlar brake pad set.

Fits Softail® models 2006-2007 FXST, FXSTB, FXSTS, FLSTFSE rear and 2007 FLSTF, FLSTC rear. OEM 46721-06.
90-33 Sintered brake pad set.
90-34 Kevlar brake pad set.



Fits XL 2004-present front. OEM 42831-04.
90-36 Sintered brake pad set.
90-38 Kevlar brake pad set.

Fits XL 2004-present rear. OEM 42836-04.
90-39 Sintered brake pad set.
90-41 Kevlar brake pad set.

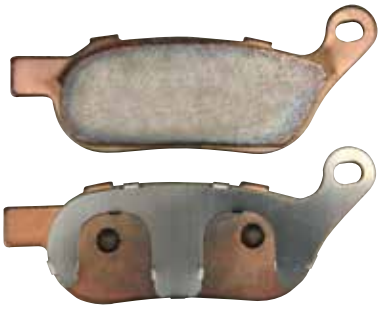
Fits Softail® & Dyna® 2008-present front. OEM 44082-08.
90-42 Sintered brake pad set.
90-43 Kevlar brake pad set.

Fits Softail® & Dyna® 2008-present rear. OEM 42298-08.
90-44 Sintered brake pad set.
90-48 Kevlar brake pad set.









EBC BRAKE PADS FOR H-D®

EBC brake pads are recommended for use with aftermarket, polished and Chrome Horse® rotors to provide excellent stopping power without galling the rotor. **Black:** Black painted pads are Kevlar® formula for street bikes and cruisers. **Green:** Green painted pads are Hi-Kevlar® sport bike or race-use compound applied to designs that are used ONLY on sport bikes. **HH:** New High friction super bike/race sintered formula.



90-711



90-714



90-715


90-718

MODEL	YEAR	FRONT PART NO.	REAR PART NO.	OEM NO.
FXST, FXSTB, FXSTC, FXSTS,	1994/1999	**90-719**		44063-83A, B, C
FLSTF, FLSTS, FLSTN.	1984/E 1987 Girling caliper		**90-717**	44209-82, A
FLST, FLSTC,	L. 1987/E 1999		**90-703**	44209-87B, C 44213-87
FX, FXE, FXEF, FXWG & FXS.	1973/1977	**90-711**		44281-74
	L. 1978/1983	**90-714**		44032-77, -79
	Twin fronts 1984/1986	**90-719**		44063-83A, B, C
	1973/1983 Banana caliper		**90-709**	44135-74 44005-78
	1984/1986		**90-717**	44209-82, A
	1983 FXWG, FXSB	**90-717**	44209-82, A	
FL & FLH.	1972/1984 Banana caliper	**90-709**		44135-74 44005-78
	1972/1980 Banana caliper		**90-709**	44135-74 44005-78
	1981/1984		**90-718**	43957-80
XL, XLH, XLCH, XLS, XLX.	1973/1977	**90-711**		44281-74
	1979/1983 Twin fronts	**90-714**		44032-77, -79
	1979/1981		**90-715**	43395-80
	1982/E. 1987 Girling caliper		**90-717**	44209-82, A
	1984/1999	**90-719**		44063-83A, B, C
	L. 1987/1999		**90-703**	44209-87B, C 44213-87
FXD, FXDL, FXDWG FXR, FXRS, FXRD, FXLR. FXRT	1982/1983 Twin fronts	**90-714**		44032-77, -79
	1984/1999	**90-719**		44063-83A, B, C
	1982/E. 1987 Girling caliper		**90-717**	44209-82, A
	L. 1987/1999		**90-703**	44209-87B, C 44213-87
FLT, FLHT, FLHTCI.	1980/1983		**90-715**	43395-80
	1984/1999	**90-719**[1]		44063-83A, B, C
	1980/1985		**90-718**	43957-80
	1986/1999		**90-704**	43957-86A, B, D
FLHR, FLHRCI.	1994/1999	**90-719**[1]		44063-83A, B, C
	1994/1999		**90-704**	43957-86A, B, D

NOTE 1: Two sets required.

EBC BRAKE PAD APPLICATIONS FOR H-D® CONTINUED ON NEXT PAGE

See previous page for description of EBC brake pads.

EBC BRAKE PADS FOR H-D® - CONTINUED

MODEL	YEAR	FRONT PART NO.	REAR PART NO.	OEM NO.
Dyna® Series		**90-721**[2]	**90-721**[2]	44082-00
FXD Super Glide® 1450,	2000/2001			
FXDX Super Glide® Sport 1450,	2000/2001			
FXDL Low Rider 1450,	2000/2001			
FXDWG Wide Glide® 1450,	2000/2001			
FXDS-CON Dyna® Convertible 1450,	2000/2001			
FXDXT Super Glide® T-Sport.	2001			
Softail® Series		**90-721**[2]	**90-721**[2]	44082-00
FXST Softail® Standard,	2000/2001			
FXSTB Night Train,	2000/2001			
FXSTDI/FXSTD Softail® Duece™,	2000/2001			
FLSTF/FLSTI Fat Boy®,	2000/2001			
FLSTC/FLSTCI Heritage® Classic.	2000/2001			
FXSTS Softail® Springer®,	2000,	**90-719**		44063-83A, B, C
FLSTS Heritage® Springer®.	2000		**90-721**[2]	44082-00
Touring Series		**90-721**[2]	**90-721**[2]	44082-00
FLHR/ FLHRI Road King® 1450,	2000/2001			
FLHRCI Road King® Classic 1450,	2000/2001			
FLHT Electra Glide® Standard 1450,	2000/2001			
FLTR/FLTRI Road Glide® 1450,	2000/2001			
FLHTCUI Electra Glide® Ultra Classic 1450.	2000/2001			
FLH, FLT, FLHT, FLHR, FLTR, Sintered	2008/later	**90-769**	**90-769**	41852-08
FLH, FLT, FLHT, FLHR, FLTR, Organic	2008/later	**90-752**	**90-752**	41852-08
VRODS, Sintered	2006/later	**90-769**	**90-769**	
VRODS, Organic	2006/later	**90-752**	**90-752**	
XL, XLH, XLCH, XLS, XLX.	1973/1977	**90-711**		44281-74
	1979/1983 Twin fronts	**90-714**		44032-77, -79
	1979/1981		**90-715**	43395-80
	1982/E. 1987 Girling caliper		**90-717**	44209-82, A
	1984/1999	**90-719**		44063-83A, B, C
	L. 1987/1999		**90-703**	44209-87B, C 44213-87
XLH Sportster® 883,	2000/2001	**90-721**[2]	**90-721**[2]	44082-00
XLH Sportster® 883 “Flat Track”,	2000,			
XL Sportster® 883 Hugger®,	2000/2001			
XL Sportster® 53c Custom,	2000/2001			
XL Sportster® 1200cc Custom,	2000/2001			
XL Sportster® 1200cc Sport.	2000/2001			
Buell.	1994/1997	**90-705**[3]		42386-84Y
			90-710	42385-94Y
Buell (except Blast).	1998/2000	**90-742**[3]		42386-98



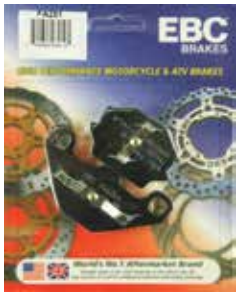
90-721



90-752



90-711



90-714



90-715

NOTE 1: Two sets required.

NOTE 2: HH Version part No. **90-722** also available.

NOTE 3: Green painted pads are Hi-Kevlar® sport bike or race-use compound applied to designs that are used **ONLY** on sport bikes.



90-712



90-720



90-705



90-742

EBC BRAKE PADS FOR CUSTOM CALIPERS

EBC brake pads are recommended for use with aftermarket, polished and Chrome Horse® rotors to provide excellent stopping power without galling the rotor. **Black:** Black painted pads are Kevlar® formula for street bikes and cruisers. SOLD AS PAIR

MODEL	PART NO.	CALIPER REFERENCE
Performance Machine 2 piston.	**90-712**	#0056-1600
Performance Machine.	**90-720**	#0052-1602
Performance Machine 4 piston (street).	**90-708**	
Performance Machine 6 piston.	**90-705**	#0053-1604
Performance Machine (race oversize).	**90-707**	
2 piston (large).	**90-713**	Model A
2 piston (small).	**90-716**	Model B
JayBrake 2 piston (large).	**90-716**	
Chrome Horse® II 4 piston.	**90-706**	#90-675
Chrome Horse® II 6 piston.	**90-742**	#90-702/1
Nova/Legends	**90-708**	
EBC 4 piston.	**90-707**	
Thunderheart.	**90-706**	
RevTech/Wilwood.	**90-720**	#59-110
Brembo 4 piston (single pin).	**90-720**	

A



B



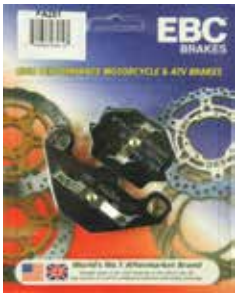
90-659

C



D





DISC BRAKE PAD QUICK REFERENCE — H-D® APPLICATIONS

ALL MEASUREMENTS GIVEN IN MILLIMETERS DISC BRAKE PADS SOLD AS PAIR

A. BRAKE PADS FOR TOURING MODELS 2008 & LATER

Fits FLH, FLT, FLHT, FLHR, FLTR, front & rear. Replaces OEM 41852-08.

★**90-769** EBC brake pads, sintered. NEW!
★**90-752** EBC brake pads, organic. SOLD AS PAIR

B. BRAKE PADS FRONT & REAR FOR BIG TWIN 2000-2007 AND SPORTSTER® 2000 THRU 2003

Fits all H-D® front or rear except Springer® & Deuce®. Replaces OEM 44082-00. Dimensions: 92.9mm x 65.15mm x 7.5mm. SOLD AS PAIR

90-658 Midwest brake pads.
90-659 Midwest brake pads, metallic.
90-721 EBC brake pads (standard).
90-722 EBC brake pads (HH).

C. BRAKE PADS FRONT SPORTSTER® 2004 & LATER

Fits Sportster® front, right or left. Replaces OEM 42831-04.

90-963 Midwest brake pads.
90-964 Midwest brake pads, metallic. SOLD AS PAIR

D. BRAKE PADS REAR SPORTSTER® 2004 & LATER

Fits Sportster® rear. Replaces OEM 42836-04.

90-966 Midwest brake pads, metallic. SOLD AS PAIR

E. FRONT & REAR BRAKE PADS BUELL® 1994 THRU 1997

Fits Buell S2/S3 Thunderbolt, M2 Cyclone and S1 Lightning, 1994 thru 1997.

90-705 Front. EBC, Green/Hi-Kevlar®. SOLD AS PAIR
Replaces OEM 42386-84Y.
Dimensions: 112.1mm x 56.3mm x 10.9mm.
90-710 Rear. EBC, standard. Replaces OEM 42385-94Y.
Dimensions: 55.5mm x 37mm x 10mm and 85mm x 43mm x 8mm.

DISC BRAKE PAD QUICK REFERENCE — H-D® APPLICATIONS

ALL MEASUREMENTS GIVEN IN MILLIMETERS DISC BRAKE PADS SOLD AS PAIR

A. BRAKE PADS SINGLE DISC FRONT FOR 1974 THRU 1977
Fits all FX & Sportster® single disc front. Replaces OEM 44281-74. Dimensions: 78mm x 52.5mm x 6.3mm. Comes w/rivets.

90-711 EBC brake pads. SOLD AS PAIR

B. BRAKE PADS DUAL DISC FRONT FOR 1977 THRU 1983
Fits all FX, FXR & XL dual disc front. Replaces OEM 44032-77 & 44032-79. Dimensions: 69.5mm x 53.8mm x 6.5mm. SOLD AS PAIR

90-454 Midwest brake pads, metallic.
90-714 EBC brake pads.

C. BRAKE PADS FRONT & REAR FOR 1972 THRU 1984
Fits FL rear 1973 thru 1980, FL single disc front 1973 thru 1984, FX rear 1973 thru 1983 and FX & XL single disc front 1973. Replaces OEM 44135-74 & 44005-78. Dimensions: 113mm x 66.8mm x 7mm.

90-99 Midwest brake pads. SOLD AS PAIR
90-451 Midwest brake pads, metallic.
90-709 EBC brake pads.

D. BRAKE PADS DUAL DISC FRONT FOR FLT & FLHT 1980 THRU 1983 AND REAR XL 1977 THRU 1981
Fits all FLT & FLHT dual disc front, XL 1979 thru 1981 and XLCR 1977 thru 1978, rear. Replaces OEM 43395-80 & 44099-77. Dimensions: 89mm x 71.2mm x 6.5mm. SOLD AS PAIR

90-452 Midwest brake pads, metallic.
90-715 EBC brake pads.

E. BRAKE PADS REAR FOR FL 1980 THRU 1985
Fits rear FL, FLT & FLHT. Replaces OEM 43957-80. Dimensions: 174mm x 73.2mm x 9.3mm. SOLD AS PAIR

90-201 Midwest brake pads.
90-453 Midwest brake pads, metallic.
90-718 EBC brake pads.

F. BRAKE PADS REAR FOR 1982 THRU EARLY 1987
Fits rear Girling caliper on all H-D® 1982 thru early 1987. Replaces OEM 44209-82, A. Dimensions: 74.2mm x 49mm x 12mm. SOLD AS PAIR

90-233 Midwest brake pads.
90-455 Midwest brake pads, metallic.
90-717 EBC brake pads.

G. BRAKE PADS REAR FOR FL, FLHT & FLHS, 1986 THRU 1999
Fits rear Hayes caliper on all FLT, FLHT & FLHS. Replaces OEM 43957-86 A, B, D. Dimensions: 104mm x 62.4mm x 11.4mm. Between centers of ears: 86.20mm.

90-357 Midwest brake pads.
90-458 Midwest brake pads, metallic. SOLD AS PAIR
90-704 EBC brake pads.

H. BRAKE PADS REAR FOR LATE 1987 THRU 1999
Fits rear Hayes caliper on all Big Twin (except FLT, FLHT & FLHS), and Sportster®. Replaces OEM 44209-87B, C, & 44213-87. Dimensions: 104mm x 62.4mm x 11.2mm Between centers of ears: 86.20mm.

90-358 Midwest brake pads.
90-457 Midwest brake pads, metallic. SOLD AS PAIR
90-703 EBC brake pads.

A


B


C


D


5

E


F


G


H


90-703

I


90-719

J


I. BRAKE PADS FRONT FOR 1984 THRU 1999
Fits all H-D® single or dual disc front and XR 1000 1983. Replaces OEM 43063-83 & 44063-83A, B, C. Dimensions: 60mm x 63mm x 13mm.

90-328 Midwest brake pads.
90-456 Midwest brake pads, metallic. SOLD AS PAIR
90-719 EBC brake pads.

J. BRAKE PADS FOR VRODS 2006 & LATER
Fits VRODS, front & rear. SOLD AS PAIR

★**90-769** EBC brake pads, sintered. NEW!
★**90-752** EBC brake pads, organic.

A



90-712

B



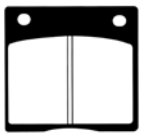
90-716

C



90-720

D



90-713

E



90-570

F



90-706, 90-707 & 90-708

G



90-705

DISC BRAKE PAD QUICK REFERENCE — CUSTOM CALIPERS

ALL MEASUREMENTS GIVEN IN MILLIMETERSDISC BRAKE PADS SOLD AS PAIR

A. Fits Performance Machine caliper #0056-1600 (2 piston). Dimensions: 57.8mm x 65.3mm x 11mm.

90-712 EBC brake pads. SOLD AS PAIR

B. Fits GMA caliper Model B (small, 2 piston) and JayBrake (large, 2 piston). Dimensions: 49mm x 59mm x 6mm.

90-716 EBC brake pads. SOLD AS PAIR

C. Fits RevTech/Wilwood caliper #59-110 and Brembo (single pin, 4 piston). Dimensions: 69.2mm x 47mm x 8.2mm.

90-720 EBC brake pads. SOLD AS PAIR

D. Fits GMA caliper Model A (large, 2 piston). Dimensions: 57.6mm x 52.8mm x 9mm.

90-713 EBC brake pads. SOLD AS PAIR

E. Fits Chrome Horse® (2 or 4 piston), GMA caliper Model F (4 piston), JayBrake (small, 2 piston), Performance Machine #0052-1601 (small, 2 or 4 piston), and Iron Pegasus (small). Dimensions: 36mm x 45mm x 6mm.

90-570 EBC brake pads. SOLD AS PAIR

F.

90-706 EBC brake pads for Thunderheart and Chrome Horse® II. Dimensions: 68.4mm x 48.8mm x 8.3mm. SOLD AS PAIR

90-707 EBC brake pads for Performance Machine (race oversize) and EBC (4 piston). Dimensions: 69.4m x 48.8mm x 10.5mm.

90-708 EBC brake pads for Performance Machine (street, 4 piston) and Nova/Legends. Dimensions: 69.4mm x 48.8mm x 7.8mm.

G. Fits Performance Machine #0053-1604 & Buell front 94'-97'.

90-705 Brake pads. SOLD AS PAIR



ALUMINUM AXLE SPACERS & KITS

Ultima® Axle Spacer kits are made from billet aluminum & polished to a high luster. They are offered for 1" axles or 3/4" axles. Kits include 2 spacers per size ranging from 1/4" to 3" lengths.

Replacement axle spacers are available in packages of 2.

AXLE SPACER KITS

33-248 28 Piece Spacer Kit 3/4" ID, 1-1/4" OD
33-249 28 Piece Spacer Kit 1" ID, 1-1/2" OD

REPLACEMENT AXLE WHEEL SPACERS (PKG OF 2)

3/4" SPACERS

3/4" ID, 1-1/4" OD

PART#	WIDTH
33-250	1/4
33-251	3/8
33-252	1/2
33-253	5/8
33-254	3/4
33-255	7/8
33-256	1

PART#	WIDTH
33-257	1-1/8
33-258	1-1/4
33-259	1-3/8
33-260	1-1/2
33-261	1-3/4
33-262	2
33-263	3

1" SPACERS

1" ID, 1-1/2" OD

PART#	WIDTH
33-264	1/4
33-265	3/8
33-266	1/2
33-267	5/8
33-268	3/4
33-269	7/8
33-270	1

PART#	WIDTH
33-271	1-1/8
33-272	1-1/4
33-273	1-3/8
33-274	1-1/2
33-275	1-3/4
33-276	2
33-277	3

CHROME AXLE SPACERS

Due to cross usage of these spacers, we list them with the OEM number, dimensions and a picture for easy reference. All spacers are American made & high quality chrome plated. All spacers are .750 I.D. and 1.125 O.D. except where noted. Check picture and length before ordering.

AXLE SPACER PART NO.	REPLACES OEM NO.	LENGTH
33-1	43654-86A	.750
33-2	40910-84A	1.250
33-3	43358-83A	.375
33-4	41594-73	.650
33-5	41595-73	.830
33-6	41592-79	1.200
33-7	41595-86	1.230
33-8	41607-83	.500
33-9	41591-81	1.165
33-10	43648-86	1.266
33-11	43657-89	1.000

SOLD EACH

AXLE SPACER PART NO.	REPLACES OEM NO.	LENGTH
33-12	43617-95	.927
33-13	40915-94	1.245
33-14	43674-95	1.414
33-15	43683-97	1.340
33-16*	41591-90	1.430
33-17	40910-00	.887
33-18*	41595-00	1.880
33-19	43683-00	.986
33-20	43654-00	.470
33-21	43617-00	.515

SOLD EACH

*O.D. 1.25"



A. CUSTOM BUILDERS AXLE ASSORTMENT

Midwest offers an assortment of axles for builders who need different sizes for whatever reason! Chose from 3/4" dia. or 1' dia. 1" diameter comes with castle nut and pin. Made from 4130 cold roll steel.

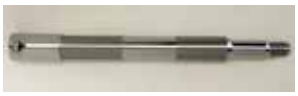


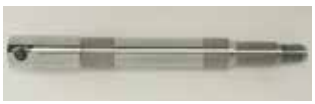
AXLE LENGTH	1" DIA.	*Typical Std. Softail®
13"	**32-51**	
14"	**32-53**	*Typical 200

*NOTE: For reference only. All custom frames vary. SOLD EACH

FRONT AND REAR AXLES & HARDWARE


32-281


32-284


32-285


32-282


32-283

Midwest now offers fine quality chrome plated axles for H-D®, available in kit form of axle & hardware, axle only, or hardware only. Order what you need! Hardware kits include spacers, nuts and washers as necessary.

HARDWARE & AXLE KIT PART NO.	AXLE ONLY PART NO.	HARDWARE ONLY PART NO.	REPLACES AXLE OEM NO.	APPLICATION
		FRONT AXLES & HARDWARE		
32-212	**32-34**	—	43872-36	For EL, FL & UL, 1936 thru 1948.
32-213	**32-138**	**32-199**	43875-48	For FL 1949 thru 1966.
32-214	**32-139**	**32-199**	43875-67	For FL 1967 thru 1971.
32-215	**32-186**	**32-200**	43875-73	For FL 4 speed 1973 thru 1980 and FXWG 1980 thru 1983.
32-216	**32-192**	**32-201**	43346-83	For FL 1981 thru 1984, FLT, FLHT & FLHS, 1983 thru 1997, FXST & FXSTC 1984 thru 1998, and FXWG 1984 thru 1986.
32-217	**32-133**	—	43871-52	For FX 1971 & 1972 and K Model & Sportster® 1952 thru 1972.
32-218	—	—	43871-73	For FX 1973 thru 1977 & Sportster® 1973 thru 1977. Single disc brake.
32-219	—	—	43883-77	For FX & FXR 1977 thru 1983, and Sportster® 1977 thru 1983. Dual disc brake.
32-220	**32-193**	—	43883-84	For FX & FXR 1984 thru 1987, and Sportster® 1984 thru 1987. With 35mm forks.
N/A	**32-237**	N/A	43895-87	For FXR 1988 thru 1994, and FXD 1991 & later. With 39mm forks.
N/A	**32-238**	N/A	41109-88	For FXSTS Springer® late 1988 & later.
N/A	**32-239**	N/A	41584-86A	For FLSTC & FLSTF, 1987 & later.
32-7	**32-6**	N/A	43354-00	For FXSTD (Duece®) 2000 & later.
32-281	N/A	N/A	43364-00	For FLT 2000 & later.
32-282	N/A	N/A	43758-04	For FXD 2004-2005
32-229	N/A	N/A	41545-07	For FLST 2007-up
32-242	N/A	N/A	41549-07	For FXSTD 2007-up
32-243	N/A	N/A	41547-07	For FXST 2007-up
N/A	**32-283**	N/A	41348-08	For FXWC 2008-up
N/A	**32-284**	N/A	41628-08	For FXD 2008-up
N/A	**32-285**	N/A	43895-08	For XL 2008-up
		REAR AXLES & HARDWARE		
32-221	**32-124**	**32-204**	41552-36	For EL, FL & UL, 1936 thru 1957.
32-222	—	**32-205**	41552-58A	For FL 1958 thru 1966.
32-223	**32-194**	**32-206**	41552-67	For FL 1967 thru 1972 and FX 1971 & 1972.
32-224	**32-109**	**32-207**	41552-73	For 4 speed FL & FX, 1973 thru 1985. With chain drive.
32-225	**32-195**	**32-208**	41580-79	For 4 speed FL & FX, 1980 thru 1986. With belt drive.
32-226	**32-104**	**32-209**	41551-52	For K Model & Sportster® 1952 thru 1978.
32-227	**32-196**	**32-210**	41563-77A	For Sportster® 1979 thru 1998.
32-228	**32-197**	**32-211**	41110-79	For FXR 1982 thru 1994 (except FXRT 1983 thru 1988), all models Softail® 1986 thru 1999, and FLT & FLHT, 1980 thru 1998.
N/A	**32-236**	N/A	41114-90	For Dyna® models 1991 & later.
32-8	**32-197**	N/A	41110-79	For Softail® 2000 & later.
32-286	**32-287**	N/A	41641-08	For FXST 2008-up
32-288	**32-289**	N/A	41114-08	For FXD 2008-up

AXLE & HARDWARE KITS SOLD AS KIT, AXLES SOLD EACH AND HARDWARE SOLD AS SET

SPACER & NUT KITS

FRONT AXLE

A. Includes chrome plated axle nut, machined washer, lockwasher and spacer (OEM 40910-84A/B). SOLD AS KIT

32-248 Kit fits Softail® FXST, FXSTC & FXDB 1984 thru 1996, Dynas®, FXWG 1984 thru 1994 and all FLT 1984 & later except FLHR & FLHRCI.

41-113 Kit fits FXST 2000 & later.

B. Includes chrome plated nylon insert locknut, machined washer, and spacer (OEM 40910-84A).

32-247 Kit fits FXSTS 1988 thru 1996. SOLD AS KIT

C. Includes chrome plated axle nut, machined washer, lockwasher and spacers (OEM 43657-89 & 43674-95).

32-249 Kit fits FLSTF 1996 thru 1999. SOLD AS KIT

REAR AXLE

D. Includes chrome plated slotted nut and spacers.

32-245 Kit fits Softail® 1984 thru 1999. Includes spacers to replace OEM 47577-86, 47577-94 & 41591-90. Grooved.

E. **41-123** Kit fits XL 2000. Replaces OEM 40910-00 & 43654-00. SOLD AS KIT

F. FRONT AXLE NUT & WASHER KIT

Chrome plated machined steel washer, hex nut & stainless steel lockwasher.

32-190 Fits FX & Sportster®, 1973 & later. SOLD AS KIT
32-170 Fits Wide Glide® 1972 & later.

G. FRONT AXLE CAP KIT

Chrome plated die cast axle cap kit. Fits FL 1973 thru 1984, FLT, FLHT, FLHS, 1980 thru 1999, Softail® models (except FXSTS) 1984 & later, FXWG 1980 thru 1986, Dyna Glide® 1991 & later, and Sportster® and FXR, 1987 & later.

32-230 Axle cap kit. Small o.d. 1.18". Replaces OEM 43899-86. Also fits Twin Cam 88® "B" front motor mount bolts. SOLD AS KIT

H. REAR AXLE NUT & LOCK KIT

Quality reproduction rear axle kit made to original H-D® specifications. Contains one each of the following: sleeve nut, sleeve collar, axle nut and axle nut lockwasher.

32-119 Fits Big Twins 1930 thru 1972. SOLD AS KIT

A SOLD AS KIT



B



C



5

D



E



F



G



32-230 CHROME PLATED

COLONY

H



CHROME PLATED

A

CHROME PLATED



B



CHROME PLATED

C



U.S.A. MADE COLONY

5

D



33-24

CHROME PLATEDLUG

CHROME PLATED

E

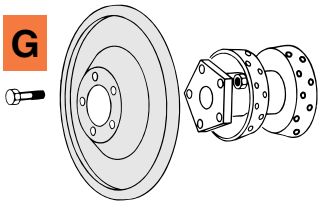


F



33-278

G





H



I



J



A. *AXLE NUT COVER KITS*

32-255 Front billet axle nut cover. Fits FLT 2000-2007. SOLD AS KIT
32-103 Rear axle nut cover kit, chrome die-cast. Fits 2000-up Softail® (except FXLSTS/FLSTSC, will not fit w/saddle-bags). OEM 44256-01.

B. *REAR AXLE NUT & WASHER KIT*

Chrome plated heavy duty machined steel washers prevent distortion of square swing arms.

32-191 Fits Big Twin 1973 & later and Sportster® 1979 & later. SOLD AS KIT

C. *COLONY FRONT AXLE COVERS*

Fits 72' FL, 73'-84' 4 speed FL, 80'-up FL, FLHT, 80'-86' FXWG, 84'-up Softail® (except Springer), 88'-94' FXR, 91'-up Dyna® (except Wide Glide). Fits most 1/2-20 threaded axles.

40-735 Pike front axle covers SOLD AS KIT

D. *BRAKE DRUM WHEEL LUGs*

33-24 Wheel lugs (5 used) for 1936 thru 1972. OEM 43530-35. SOLD EACH

E. *TIRE VALVE STEM COVERS*

33-179 Flared. Fits metal or rubber stems. SOLD EACH
33-181 Bullet shaped. Screws on metal stem.

F. *BULLET VALVE STEM COVERS*

33-278 Chrome Bullet valve stem cover. SOLD AS PAIR

G. *BALANCE MASTERS™*

The Balance Masters™ line will virtually eliminate vibration. It adjusts as it runs to maintain as perfect a balance as man can make it. Includes an exclusive 2 year limited factory warranty against material defects.

33-207 For nine-spoke cast wheels. SOLD EACH

H. *REAR AXLE SPRING CLIP*

Chrome plated reproduction of latest OEM 510 spring clip.

41-124 Used on all 1991 & later FL, FX, and XL. SOLD AS PKG. OF 5

I. *WHEEL BEARING GREASE*

Lithium complex high temperature grease. Meets the requirements for disc and drum brakes. Good temperature stability. Protects against rust and oxidation. May also be used in general purpose applications.

103-300 1 lb. Container grease. SOLD EACH

J. *WHEEL SEALS*

95-196 Early wheel seal. OEM 47519-58. SOLD EACH
95-235 Late wheel seal .315" wide. OEM 47519-72.
95-370 Wheel seal for 1984 & later .410" wide. OEM 47519-83A.

A. *EZE BLEEDER*

Save time and money using the EZE Bleeder. Bleed air from the brake system by starting at the low points. Inject brake fluid into the caliper in its natural direction up to the the master cylinder. Instructions included.

97-208 EZE Bleeder. SOLD EACH

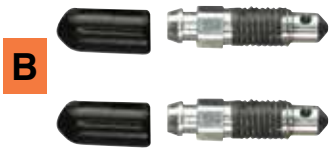


B. *SPEED BLEEDER™*

The patented bleeder screw with the built-in check valve. It is truly a one person bleeder screw. Once installed, it becomes a permanent part of the brake system. If at a later date you need to bleed the brakes, the patented thread sealing system makes it easy to open the bleeder screw to perform the bleeder operation. Made of quality materials and economical to use. For a small price the Speed Bleeder™ provides a bleeder system that will last a long time. It will save time, money and a lot of aggravation.

PART NO.	THREADS	APPLICATION	CALIPER
90-529	1/4-28	FL 1958/1962.	Rear
Replaces		FL 1972/1979.	Front/Rear
OEM 44179-58		FX 1971/1977	Front/Rear
		XL 1973/1977	Front/Rear

SOLD AS SET OF TWO



C. *WHEEL BALANCING WEIGHTS*

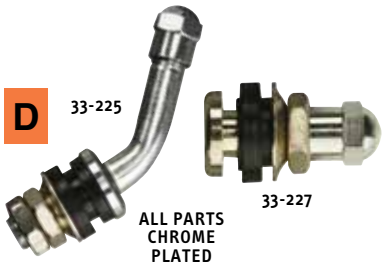
Steel weights for press-fit on spoke nipple.

33-202 1/2 Oz. Replaces OEM 95578-61. SOLD AS PKG. OF 5
33-203 3/4 Oz. Replaces OEM 95581-41.
33-204 1 Oz. Replaces OEM 95582-41.



D. *VALVE STEMS FOR TUBELESS WHEELS*

33-225 45° Chrome plated valve stem. Use on rims with .480" diameter valve hole. SOLD EACH
33-227 Straight chrome plated valve stem. Replaces OEM 43157-83A. Use with stock mags, Chrome Horse® billet wheels, Sturgis, and many other brands. Use on rims with .327/.339" diameter valve hole.



E. *REPLACEMENT INNER TUBES*

Excellent quality butyl rubber tubes at reasonable prices. These tubes are superior to natural rubber as butyl is non-porous and will retain air much longer.

2-19 500/510-16, rubber stem, side valve. SOLD EACH
2-72 500/510-16, metal stem, side valve.
2-73 500/510-16, metal stem, center valve.
2-65 325/350-18, metal stem, center valve.
2-66 350/400-18, metal stem, center valve.
2-69 400/450/460/510-18, metal stem,center valve.
2-56 325/350-19, metal stem, center valve.
2-57 275/300-21, metal stem, center valve.
2-58 300/325-23, metal stem, center valve.





F. *RUBBER RIM STRIPS*

2-23 For use with 16" rims (center valve).
2-24 For use with 16" rims (side valve). SOLD EACH
2-25 For use with 18" rims (center valve).
2-26 For use with 19" rims (center valve).
2-28 For use with 19" rims (side valve).
2-27 For use with 21" rims (center valve).
★**2-29** For use with 26" rims (center valve). NEW!

A



B



C



D



E



A. *WHEEL BEARING REMOVAL & INSTALLATION KIT* NEW!

Wheel bearing removal and install tool is a must for every shop. Removes and installs 3/4 25mm & 1" sealed bearing for 2000-later wheels.

97-290 Wheel bearing removal & install kit. SOLD AS KIT

B. *WHEEL BEARINGS*

Shield on both sides - top quality.

95-176 I.D. 5/8", O.D. 40mm. 19/16". SOLD EACH
95-255 I.D. 5/8", O.D. 35mm. 13/8".

C. *2000 MODEL WHEEL BEARINGS*

Fits Front & Rear, all 2000 & later Big Twin & Sportster® models except FLT Front.

95-802 3/4" Wheel bearing. Replaces OEM 9267. SOLD EACH
95-909 1" I.D. wheel bearing. Replaces OEM 9247.

D. *TAPERED WHEEL BEARINGS*

95-446 TAPERED BEARING WITH RACE. TIMKEN 1973-1999 (OEM 9052) SOLD EACH

E. *WHEEL BEARING I.D. REDUCER*

Wheel bearing reducers are designed for use with 1" or 25mm bearing assemblies & 3/4 axles. Reduces bearing I.D. to 3/4". Thin lip feature elimates the need to change axle spacers. SOLD AS PAIR

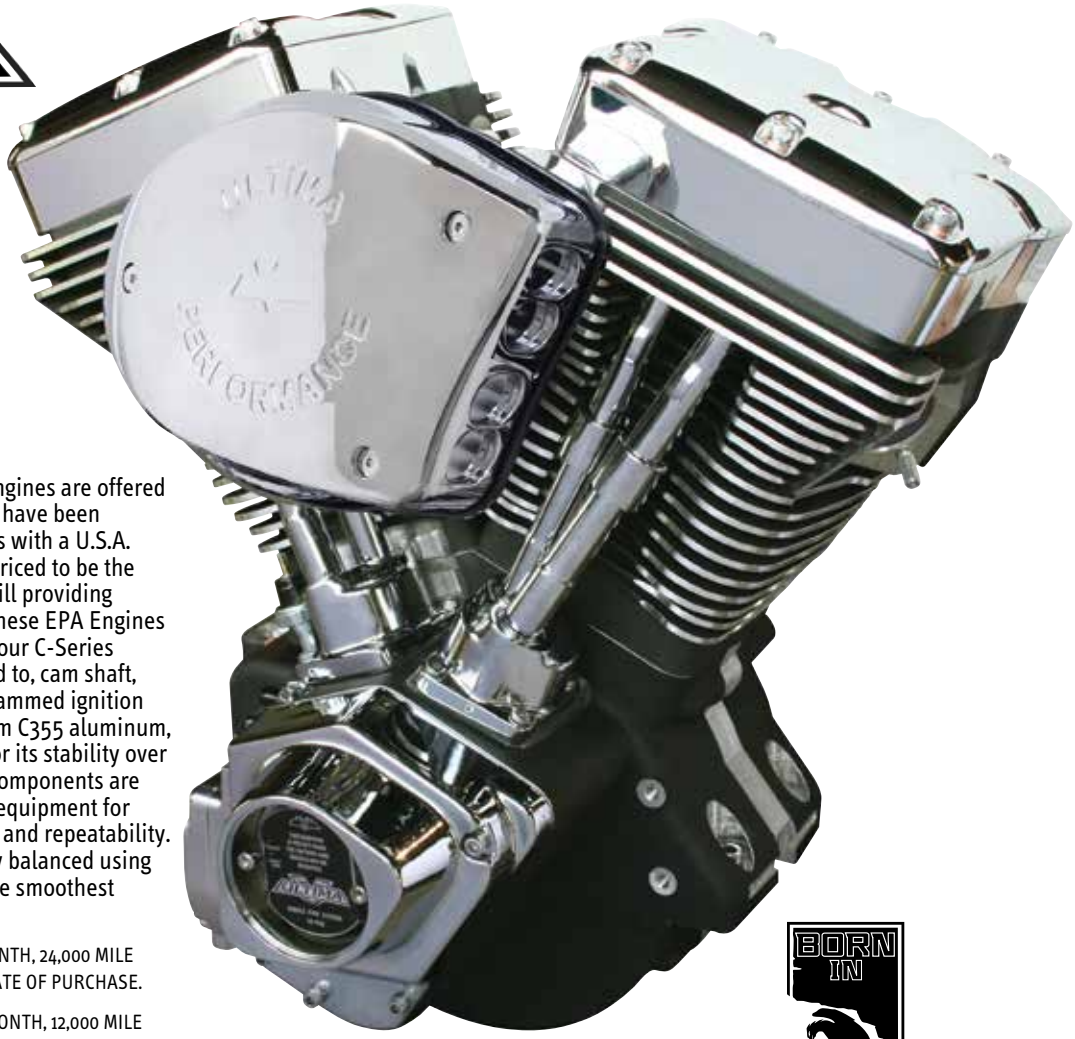
33-295 Bearing I.D. reducer for custom use. 1"- 3/4"
33-296 Bearing I.D. reducer for custom use. 25mm - 3/4"

ENGINE



PARTS ON AND IN ENGINE EXCEPT ELECTRICAL, IGNITION

ULTIMA® 49 STATE EPA CERTIFIED ENGINES



Ultima's® 49 state EPA certified engines are offered in 5 popular displacements. They have been designed to provide our customers with a U.S.A. built performance engine that is priced to be the best value on the market, while still providing compliance to EPA regulations. These EPA Engines share the same characteristics as our C-Series engines except for, and not limited to, cam shaft, carburetor settings and pre-programmed ignition system. All castings are made from C355 aluminum, a common military alloy known for its stability over multiple heat cycles. The engine components are machined on state of the art CNC equipment for guaranteed dimensional accuracy and repeatability. All of our engines are dynamically balanced using proprietary methods to provide the smoothest running engines on the market.

100-113 C.I. EPA ENGINES CARRY A 24 MONTH, 24,000 MILE LIMITED WARRANTY FROM ORIGINAL DATE OF PURCHASE.

120 & 127 C.I. EPA ENGINES CARRY A 12 MONTH, 12,000 MILE LIMITED WARRANTY FROM ORIGINAL DATE OF PURCHASE.

For additional warranty details see EPA owners manual (included with purchase and/or available online @ www.ultimaproducts.com).

100 C.I.
107 C.I.
113 C.I.
120 C.I.
127 C.I.

100 CI

297-250	EPA Natural Finish
297-251	EPA Black Finish
297-252	EPA Polished Finish

107 CI

297-230	EPA Natural Finish
297-231	EPA Black Finish
297-232	EPA Polished Finish

113 CI

297-253	EPA Natural Finish
297-254	EPA Black Finish
297-255	EPA Polished Finish

120 CI

297-256	EPA Natural Finish
297-257	EPA Black Finish
297-258	EPA Polished Finish

127 CI

297-272	EPA Natural Finish
297-273	EPA Black Finish
297-274	EPA Polished Finish

ULTIMA® CARB COMPLIANT ENGINES



California builders have an option when shopping for a compliant V-twin engine. Ultima® motors, which are already known for their affordability & reliability are available for sale to the State of California!!!! They can be purchased in natural, black or polished finish & in our always-popular displacements ranging from 100ci to 127ci. These C.A.R.B. compliant carbureted engines can be ordered for new "Custom Builds", not pre-existing registered motorcycles. All the certification paperwork has been done for the homebuilder & small volume manufacturers in California.

100-113 C.I. C.A.R.B. ENGINES CARRY A 24 MONTH, 24,000 MILE LIMITED WARRANTY FROM ORIGINAL DATE OF PURCHASE.

120 & 127 C.I. C.A.R.B. ENGINES CARRY A 12 MONTH, 12,000 MILE LIMITED WARRANTY FROM ORIGINAL DATE OF PURCHASE.

For additional warranty details see C.A.R.B. owners manual (included with purchase and/or available online @ www.ultimaproducts.com).

100 C.I.
107 C.I.
113 C.I.
120 C.I.
127 C.I.

100 CI

295-250	C.A.R.B. Natural Finish
295-251	C.A.R.B. Black Finish
295-252	C.A.R.B. Polished Finish

107 CI

295-230	C.A.R.B. Natural Finish
295-231	C.A.R.B. Black Finish
295-232	C.A.R.B. Polished Finish

113 CI

295-253	C.A.R.B. Natural Finish
295-254	C.A.R.B. Black Finish
295-255	C.A.R.B. Polished Finish

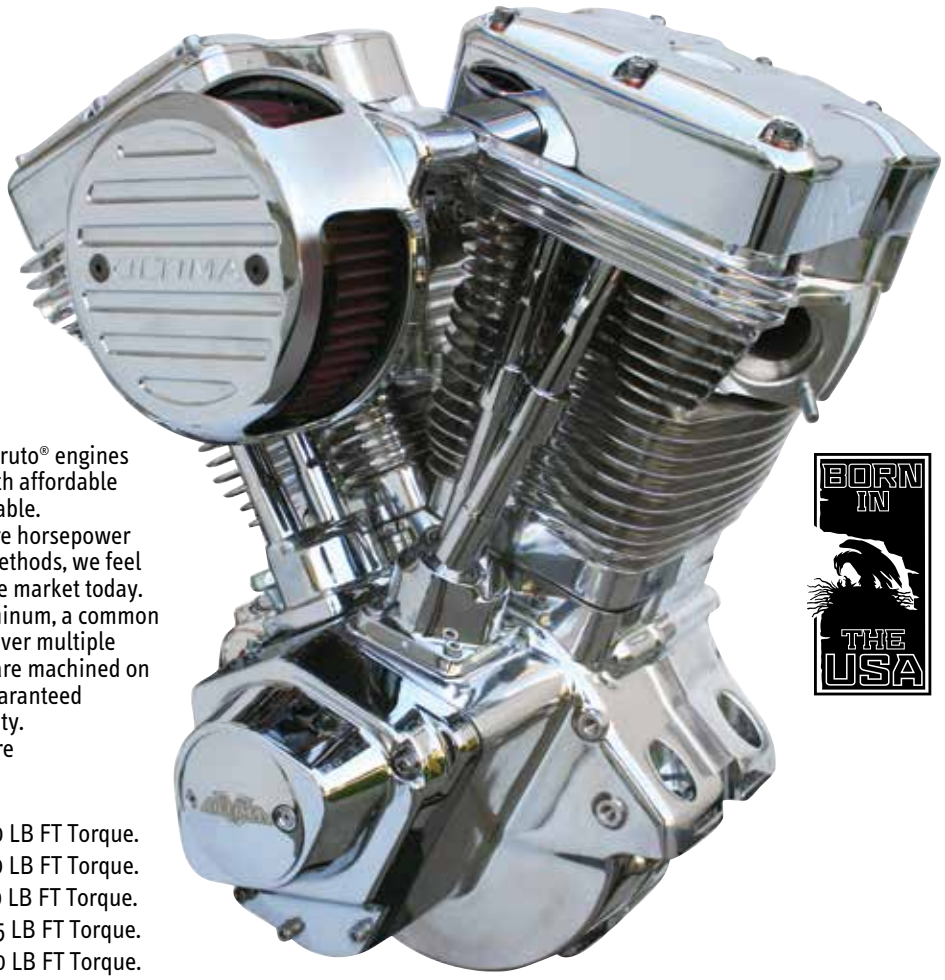
120 CI

295-256	C.A.R.B. Natural Finish
295-257	C.A.R.B. Black Finish
295-258	C.A.R.B. Polished Finish

127 CI

295-272	C.A.R.B. Natural Finish
295-273	C.A.R.B. Black Finish
295-274	C.A.R.B. Polished Finish

ULTIMA® EL BRUTO®
COMPLETE COMPETITION SERIES ENGINES



Emphasizing longevity, Ultima® El Bruto® engines combine high quality components with affordable prices giving you the best value available.
Our proven combinations deliver more horsepower and due to our exclusive balancing methods, we feel they are the smoothest engines on the market today.
All castings are made from C355 aluminum, a common military alloy known for its stability over multiple heat cycles. The engine components are machined on state of the art CNC equipment for guaranteed dimensional accuracy and repeatability.
Our customers agree these engines are the best value anywhere.

*Rated Output 100 C.I. **110 HP** with 110 LB FT Torque.
*Rated Output 107 C.I. **115 HP** with 120 LB FT Torque.
*Rated Output 113 C.I. **120 HP** with 120 LB FT Torque.
*Rated Output 120 C.I. **130 HP** with 135 LB FT Torque.
*Rated Output 127 C.I. **140 HP** with 140 LB FT Torque.
*Rated Output 140 C.I. **165 HP** with 170 LB FT Torque.

For specs on all displacements, see page 6/13 thru 6/17.

100-113 C.I. C-SERIES ENGINES CARRY A 12 MONTH LIMITED WARRANTY FROM ORIGINAL DATE OF PURCHASE.

120 & 127 C.I. C-SERIES ENGINES CARRY A 6 MONTH LIMITED WARRANTY FROM ORIGINAL DATE OF PURCHASE.

For additional warranty details see C-SERIES owners manual (included with purchase and/or available online @ www.ultimaproducts.com).

*NOT EPA COMPLIANT

100 C.I.
107 C.I.
113 C.I.
120 C.I.
127 C.I.
140 C.I.

100 CI

298-250	Complete Natural Finish
298-251	Complete Black Finish
298-252	Complete Polished Finish

107 CI

298-230	Complete Natural Finish
298-231	Complete Black Finish
298-232	Complete Polished Finish

113 CI

298-253	Complete Natural Finish
298-254	Complete Black Finish
298-255	Complete Polished Finish

120 CI

298-256	Complete Natural Finish
298-257	Complete Black Finish
298-258	Complete Polished Finish

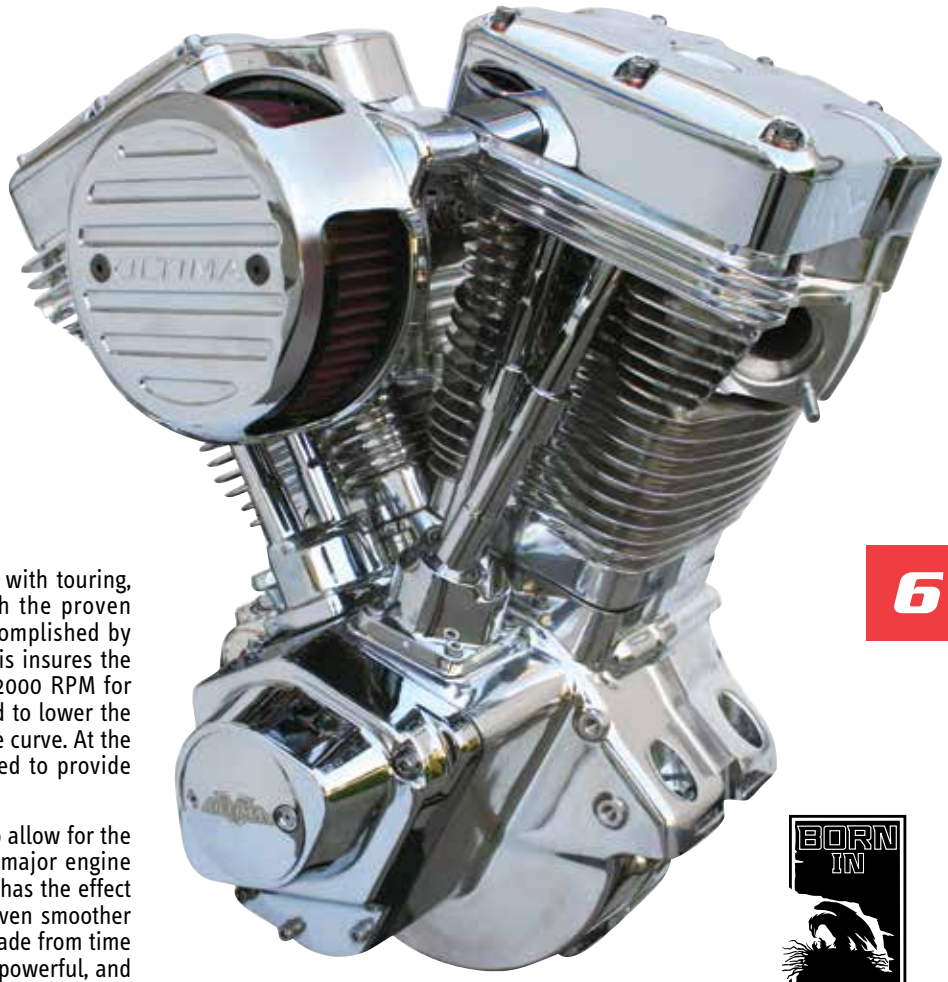
127 CI

298-272	Complete Natural Finish
298-273	Complete Black Finish
298-274	Complete Polished Finish

140 CI

298-243	Complete Natural Finish
298-244	Complete Black Finish
298-245	Complete Polished Finish

ULTIMA® BAGGER/TOURING ENGINES



Ultima's® 124 cubic inch engine is designed with touring, and or bagger riders in mind. Starting with the proven 120 engine as the basis, the 124 cid was accomplished by increasing the stroke from 4.25" to 4.375". This insures the rider of at least 100 ft. lbs. of torque above 2000 RPM for passing situations. The camshaft was changed to lower the peak torque RPM and to spread out the torque curve. At the same time the camshaft ramps were designed to provide quiet, easy on the valve train longevity.

The compression ratio was dropped slightly to allow for the occasional bad tank of fuel without causing major engine damage. This slight drop in compression also has the effect of smoothing out the firing impulses for an even smoother ride. Couple these improvements to pistons made from time proven 2618 alloy and you have a very quiet, powerful, and long lasting engine for your riding pleasure.

*Rated Output 124 C.I. **118 HP** with **120 LB FT Torque.**

124 C.I. BAGGER/TOURING ENGINES CARRY A 6 MONTH LIMITED WARRANTY FROM ORIGINAL DATE OF PURCHASE.

For additional warranty details see C-SERIES owners manual (included with purchase and/or available online @ www.ultimaproducts.com).

***NOT EPA COMPLIANT**

For specs on all displacements, see page 6/13 thru 6/17.

124 C.I.

124 CI	
298-207	Complete Natural Finish
298-208	Complete Black Finish
298-209	Complete Polished Finish

ULTIMA® COMPLETE COMPETITION SERIES ENGINES
DIAMOND CUT®



For specs on all displacements, see page 6/13 thru 6/17.

6

Diamond Cut® Ultima® motors are ready to add that extra shine to your motorcycle. In the past, consumers looking for a Diamond Cut® motor from Ultima® either had to buy an unassembled Ultima® motor or dis-assemble their complete motor before sending the parts to be Diamond Cut® & then re-assembling. Not anymore!!!! Now you can get a Diamond Cut® factory assembled Ultima® engine for very little additional cost. These Diamond Cut® engines are available in black, natural and polished in displacements ranging from 100ci to 140 ci. We have proven that performance should not cost a lot so why should it be any different when choosing your finish?

100-113 C.I. C-SERIES ENGINES CARRY A 12 MONTH LIMITED WARRANTY FROM ORIGINAL DATE OF PURCHASE.

120-127 C.I. C-SERIES ENGINES CARRY A 6 MONTH LIMITED WARRANTY FROM ORIGINAL DATE OF PURCHASE.

For additional warranty details see C-SERIES owners manual (included with purchase and/or available online @ www.ultimaproducts.com).

*NOT EPA COMPLIANT

100 C.I.
107 C.I.
113 C.I.
120 C.I.
127 C.I.
140 C.I.

100 CI		120 CI	
296-250	Complete Natural Finish	296-256	Complete Natural Finish
296-251	Complete Black Finish	296-257	Complete Black Finish
296-252	CompletePolished Finish	296-258	Complete Polished Finish
107 CI		**127 CI**	
296-230	Complete Natural Finish	296-272	Complete Natural Finish
296-231	Complete Black Finish	296-273	Complete Black Finish
296-232	Complete Polished Finish	296-274	Complete Polished Finish
113 CI		**140 CI**	
296-253	Complete Natural Finish	296-243	Complete Natural Finish
296-254	Complete Black Finish	296-244	Complete Black Finish
296-255	Complete Polished Finish	296-245	Complete Polished Finish

ULTIMA® COMPLETE COMPETITION SERIES ENGINES
BLACK GEM



The Ultima® Black Gem engines feature the same quality, value and performance as the already proven Ultima® El Bruto® engine lineup. Featuring black nickel plating to offer a look unlike any other production motor on the market.

*Rated Output 113 C.I. **120 HP** with 120 LB FT Torque.
*Rated Output 127 C.I. **140 HP** with 140 LB FT Torque.

113 C.I. C-SERIES ENGINES CARRY A 12 MONTH LIMITED WARRANTY FROM ORIGINAL DATE OF PURCHASE.

127 C.I. C-SERIES ENGINES CARRY A 6 MONTH LIMITED WARRANTY FROM ORIGINAL DATE OF PURCHASE.

For additional warranty details see C-SERIES owners manual (included with purchase and/or available online @ www.ultimaproducts.com).

*NOT EPA COMPLIANT

For specs on all displacements, see page 6/13 thru 6/17.

113 C.I.

113 CI
298-228 Complete Black Gem Competition Series engine

127 C.I.

127 CI
298-229 Complete Black Gem Competition Series engine

ULTIMA® SHOVELHEAD ENGINES



6

For those who are looking for a quality shovelhead engine at a realistic price, look no further! Our engineers have developed what we believe to be a superior motor that will please even the most die-hard shovelhead enthusiast. This Ultima® shovelhead motor offers modern technology in a nostalgic exterior, including dual plug heads, compression releases & 3-bolt exhaust manifold.

96 C.I. SHOVELHEAD ENGINE CARRIES A 6 MONTH LIMITED WARRANTY FROM ORIGINAL DATE OF PURCHASE.

For additional warranty details see SHOVELHEAD owners manual (included with purchase and/or available online @ www.ultimaproducts.com).

*NOT EPA COMPLIANT

*NOTE: INTAKE MANIFOLD AND CARBURETOR NOT INCLUDED.

For specs on all displacements, see page 6/13 thru 6/17.

96 C.I.

96 CI

298-210 Complete, traditional finish, Shovelhead engine w/chrome accents & ignition module.

298-211 Complete, black finish, Shovelhead engine w/chrome accents & ignition module.



ULTIMA® SHOVELHEAD CARB KITS

SHOVELHEAD MOTORS W/STOCK HEIGHT CYLINDERS

42-127 Complete R2 carb kit. O-ring style. SOLD AS KIT

42-128 Complete R2 carb kit. Band style. SOLD AS KIT

NOTE: Ultima® carb kits not intended for street use.

ULTIMA® EL BRUTO® COMPLETE UNASSEMBLED COMPETITION SERIES ENGINES



BORN IN THE USA

Ultima® offers these complete unassembled engines for those who choose to build their own powerplant. Made up of the same quality components as our assembled competition series engines. Cases are finished, crank shafts come trued and balanced, cylinders are fit, heads are assembled.

*NOT EPA COMPLIANT

For specs on all displacements, see page 6/13 thru 6/17.

100 C.I.
107 C.I.
113 C.I.
120 C.I.
127 C.I.
140 C.I.

100 CI

298-250U	Unassembled Natural Finish
298-251U	Unassembled Black Finish
298-252U	Unassembled Polished Finish

107 CI

298-230U	Unassembled Natural Finish
298-231U	Unassembled Black Finish
298-232U	Unassembled Polished Finish

113 CI

298-253U	Unassembled Natural Finish
298-254U	Unassembled Black Finish
298-255U	Unassembled Polished Finish

120 CI

298-256U	Unassembled Natural Finish
298-257U	Unassembled Black Finish
298-258U	Unassembled Polished Finish

127 CI

298-272U	Unassembled Natural Finish
298-273U	Unassembled Black Finish
298-274U	Unassembled Polished Finish

140 CI

298-243U	Unassembled Natural Finish
298-244U	Unassembled Black Finish
298-245U	Unassembled Polished Finish

ULTIMA® UNASSEMBLED COMPETITION SERIES LONG BLOCKS


COMPRESSION RELEASE VALVE


ULTIMA® H.O. OIL PUMP


HEAVY DUTY CASES


BEAUTIFULLY MACHINED









We offer our Ultima® Engines in Builders Trim giving you the ability to personalize the engines for your custom project or to cannibalize an old engine to breath new life into your old bike. Whatever your needs, we are sure you will find these to be a best value product with lots of potential. Cases are finished, crank shafts come trued and balanced, cylinders are sized and heads are assembled. Long Blocks come **un-assembled** and are available in: Natural Finish, Black Finish, and Polished Finish – at exceptional pricing. *NOT EPA COMPLIANT

100 C.I.
107 C.I.
113 C.I.
120 C.I.
127 C.I.
140 C.I.

100 CI

298-266	Long Block Natural Finish
298-267	Long Block Black Finish
298-268	Long Block Polished Finish

107 CI

298-233	Long Block Natural Finish
298-234	Long Block Black Finish
298-235	Long Block Polished Finish

113 CI

298-269	Long Block Natural Finish
298-270	Long Block Black Finish
298-271	Long Block Polished Finish

120 CI

298-278	Long Block Natural Finish
298-279	Long Block Black Finish
298-280	Long Block Polished Finish

127 CI

298-284	Long Block Natural Finish
298-285	Long Block Black Finish
298-286	Long Block Polished Finish

140 CI

298-240	Long Block Natural Finish
298-241	Long Block Black Finish
298-242	Long Block Polished Finish

ULTIMA® UNASSEMBLED GEN II FATSO™ SHORT BLOCKS

Ultima® Gen II Fatso™ case kit: Natural or black finish. Includes cam chest small parts, Timken bearing, sprocket shaft spacer & sprocket shaft seal. *NOT EPA COMPLIANT

Gen II Fatso™ Short Block

- 4.25 stroke 8.25 diameter 3 piece crankshaft - requires MWM#98-570 pinion gear coversion kit.
- Accepts Twin Cam® pistons with minor modifications - Piston skirts must be notched for bottom dead center clearance.
- Accepts Twin Cam® cylinders with minor modifications - Cylinders must have .060 chamfer on base gasket surface added between cylinders.
- Accepts Twin Cam® cylinder heads with modifications - Intake push rod tube locations must be relocated to Evolution V-twin positions and angle.
- Must use .250 offset lifter blocks, MWM #91-697 - corrects lower end of push rod tube angle
- Use 92'/later cam cover for head breather



RECOMMENDED PARTS (ORDER SEPERATELY)

98-517 92'-Later HO polished oil pump
98-520 92'-Later HO black oil pump
98-359 Oil pump drive gear
98-358 Oil pump driven gear
88-110 84'/90' cam cover for bottom breather (chrome)

216-46 Natural Case
216-47 Black Case

12 MONTH MATERIAL & WORKMANSHIP WARRANTY FORM DATE OF PURCHASE. *NOT EPA COMPLIANT

ULTIMA'S® ENGINE REBUILD PROGRAM

MIDWEST MOTORCYCLE SUPPLY'S ENGINE REBUILD PROGRAM IN FULL SWING !

Breathe new life into your tired V-Twin. Ultima® Motorworks/Midwest is offering their motor rebuilding service to Midwest dealers Worldwide. By offering this service, your customer gets a quality rebuild complete with a 6 month, 6,000 mile warranty. But Wait!!! This rebuild service also includes S&S® & Harley-Davidson® Evo V-Twins as well! Now you have another option to get that motor rebuilt correctly & at an unbeatable price. Arranging the rebuild is a simple process of having the authorized dealer remove your motor & pack it in a manner so that it will not be damaged in transit whereupon they will contact Ultima® to arrange an agreed upon pick-up date.
Once received by the trained staff at Ultima®, your engine will be inspected for any obvious cosmetic flaws or damage. Once the engine has been checked in, the dealer will then be contacted before dis-assembly of the motor begins. Your motor will then be completely disassembled, cleaned & thoroughly inspected. This service is offered to all Ultima® motors 80" thru 140" & select Big Twin Evolution style engines.

All Ultima® motors will be upgraded to the latest production specifications including but not limited to:
- BeeHive valve springs.
- Ultima® High Output oil pump.
- Heavy duty Hylift Johnson lifters.
- Tapered Chromoly pushrods when applicable.
- Mahle forged pistons when applicable.

Standard services performed :
- All bearings, bushings & hardware will be replaced as necessary.
- New pistons, gaskets & seals.
- 5 piece crankshaft assemblies will be rebuilt & trued as necessary.
- 3 Piece crankshaft assemblies will be rebuilt as needed or replaced at additional cost.
- Cylinders will be Diamond honed to the appropriate size for your new pistons & rings.
- Oil pumps will be rebuilt or replaced as necessary.

ALL REBUILT MOTORS CARRY A 6 MONTH 6,000 MILE GUARANTEE ON PARTS & LABOR.











***NOTE:** ENGINES THAT ARE CATASTROPHICALLY DAMAGED OR HAVE OBVIOUS FAULTY COMPONENTS WILL NOT BE ELIGIBLE FOR A STANDARD ENGINE REBUILD. ADDITIONAL COSTS WILL BE DETERMINED BY ULTIMA® & APPROVED BY THE CUSTOMER BEFORE ANY WORK WILL BE PERFORMED. **THIS OFFER IS FOR COMPLETE MOTOR REBUILDS ONLY.**

ULTIMA® EL BRUTO® COMPETITION SERIES ENGINE SPECS: 80, 96 C.I.

80 CI

Bore: 3.500
Stroke: 4.250
Piston: Cast
Compression: 8.5:1
Cam Shaft: Crane 316, lift 0.490",
duration: 242 intake, 252 exhaust
Chrome Reed Valve Rocker Boxes
HO Billet Oil Pump
Single-fire Ignition

*NOT EPA COMPLIANT

96 CI

Bore: 3.625
Stroke: 4.625
Piston: Forged, flat top
Compression: 9.8:1
Cam Shaft: Midwest 520, lift 0.520",
duration: 262 intake, 272 exhaust
Chrome Reed Valve Rocker Boxes
HO Billet Oil Pump
Single-fire Ignition

*NOT EPA COMPLIANT

80 C.I.

CASES FEATURES

Cast-in steel inserts guaranteed not to move. Large bore breather for increased crank case vacuum and less blow by. Alignment dowels for true line bore. Counterbored stainless allen head case bolts. Close machining tolerances. Made from prime C355-T6 aluminum that is superior in strength to A356. Styling and cosmetic machining for a custom look.

CRANKSHAFT

Forged 4140 Steel. Dynamic balanced for the smoothest running engines in the industry. Light weight high-performance 7.440" H-beam rods.

CYLINDER

H-D® castings and OEM pistons.

HEADS

H-D® castings. Ultima® valves: 1.840 Intake, 1.615 Exhaust. Ultima® valve springs.

96 C.I.

CASES FEATURES

Cast-in steel inserts guaranteed not to move. Large bore breather for increased crank case vacuum and less blow by. Alignment dowels for true line bore. Counterbored stainless allen head case bolts. Close machining tolerances. Made from prime C355-T6 aluminum that is superior in strength to A356. Styling and cosmetic machining for a custom look.

CRANKSHAFT

Forged 4140 Steel. Dynamic Balanced for the smoothest running engines in the industry. Light weight high-performance 7.440" H-beam rods.

CYLINDER

Ultima® 3-5/8" bore cast iron liner. Forged flat top pistons.

HEADS

H-D® castings. Ultima® valves: Intake 1.840, Exhaust 1.615. Ultima® valve springs.

ULTIMA® EL BRUTO® COMPETITION SERIES ENGINE SPECS: 100, 107, 113 C.I.

100 C.I.

Bore: 3.875”
Stroke: 4.250”
Piston: Forged dome
Compression: 9.6:1
Camshaft: 248 Duration 0.625” lift
Valve Spring: Ultima®
Chrome Reed Valve Rocker Boxes
HO Billet Oil Pump
Chrome Tappet Blocks
Single-fire Ignition
Includes Ultima® R-1 Carburetor
Compression Release Valves

*NOT EPA COMPLIANT

107 C.I.

Bore: 4.000”
Stroke: 4.250”
Piston: Forged dome
Compression: 10:1
Camshaft: 248 Duration 0.625” lift
Valve Spring: Ultima®
Chrome Reed Valve Rocker Boxes
HO Billet Oil Pump
Chrome Tappet Blocks
Single-fire Ignition
Includes Ultima® R-1 Carburetor
Compression Release Valves

*NOT EPA COMPLIANT

113 C.I.

Bore: 4.000”
Stroke: 4.500”
Piston: Forged dome
Compression: 10.2:1
Camshaft: 264 Duration 0.640” lift
Valve Spring: Ultima®
Chrome Reed Valve Rocker Boxes
HO Billet Oil Pump
Chrome Tappet Blocks
Single-fire Ignition
Includes Ultima® R-1 Carburetor
Compression Release Valves

*NOT EPA COMPLIANT

100, 107, 113 C.I.

CASES

Large bore breather for increased crank case vacuum and less blow by. Alignment dowels for true line bore. Counterbored stainless allen head case bolts. Close machining tolerances. Made from prime C356-T6 aluminum that is superior in strength to A356. Styling and cosmetic machining for a custom look.

CRANKSHAFT

Our state of the art designed crankshaft incorporates a massive 1.670 diameter pin that is pressed into the one piece, heat treated, 4140 steel flywheel half making these crankshafts some of the strongest available on the market today. These crankshafts feature light weight 7.440” long H-Beam rods with 0.927 diameter wrist pins to handle all the power you can throw at them. These are also balanced using our exclusive methods making these some of the smoothest engines in the industry.

CYLINDER

C356 Casting. Cast-in liners will not move. All fins are machined for an excellent cosmetic appearance.

CYLINDER HEAD

C356-T6 Casting. All fins are machined for excellent cosmetic appearance. Twin Cam® Styling. 30% more fin area than Evolution® style heads for cooler running. 2.100 stainless Int. Valves. 1.700 stainless Ex. Valves. Manganese Bronze guides. High Silicon Wire Valve Spring with Chromoly Retainer. Compression release valves.

ULTIMA® EL BRUTO® COMPETITION SERIES ENGINE SPECS: 120, 127, 140 C.I.

120 CI

Bore: 4.250”
Stroke: 4.250”
Piston: Forged Flat Top
Compression: 9.8:1
Camshaft: 0.640” lift / 264 Duration
Valve Spring: Ultima®
Chrome Reed Valve Rocker Boxes
HO Billet Oil Pump
Chrome Tappet Blocks
Single-fire Ignition
Includes Ultima® R-1 Carburetor
Compression Release Valves

*NOT EPA COMPLIANT

127 CI

Bore: 4.250”
Stroke: 4.500”
Piston: Forged Flat Top
Compression: 10.2:1
Camshaft: 0.640” lift / 264 Duration
Valve Spring: Ultima®
Chrome Reed Valve Rocker Boxes
HO Billet Oil Pump
Chrome Tappet Blocks
Single-fire Ignition
Includes Ultima® R-1 Carburetor
Compression Release Valves

*NOT EPA COMPLIANT

140 CI

Bore: 4.400”
Stroke: 4.625”
Piston: Forged Flat Top
Compression: 10.8:1
Camshaft: 0.640” lift / 268 Duration
Valve Spring: Ultima®
Chrome Reed Valve Rocker Boxes
HO Billet Oil Pump
Chrome Tappet Blocks
Single-fire Ignition
Includes Ultima® R-1 Carburetor
Compression Release Valves

*NOT EPA COMPLIANT

120, 127 C.I.

CASES

Large bore breather for increased crank case vacuum and less blow by. Alignment dowels for true line bore. Counterbored stainless allen head case bolts. Close machining tolerances. Made from prime C356-T6 aluminum that is superior in strength to A356. Styling and cosmetic machining for a custom look.

CRANKSHAFT

Our state of the art designed crankshaft incorporates a massive 1.670 diameter pin that is pressed into the one piece, heat treated, 4140 steel flywheel half making these crankshafts some of the strongest available on the market today. These crankshafts feature 7.700” long H-Beam rods with 0.927 diameter wrist pins to handle all the power you can throw at them. These are also balanced using our exclusive methods making these some of the smoothest engines in the industry.

CYLINDER

C356-T6 Casting. Cast in liners will not move. All fins are machined for an excellent cosmetic appearance.

CYLINDER HEAD

C356-T6 Casting. All fins are machined for excellent cosmetic appearance. Twin Cam® Styling means 30 % more fin than most Evolution® style heads for cooler running. Compression release valves. 2.100 stainless intake valves, 1.700 stainless exhaust valves. Manganese Bronze guides. High silicon wire valve spring with chromoly retainer.

140 C.I.

CASES

Cast-in steel inserts guaranteed not to move. Large bore breather for increased crank case vacuum and less blow by. Alignment dowels for true line bore. Counterbored stainless allen head case bolts. Close machining tolerances. Made from prime C356-T6 aluminum that is superior in strength to A356. Styling and cosmetic machining for a custom look.

CRANKSHAFT

Our state of the art designed crankshaft incorporates a massive 1.670” diameter pin that is pressed into the one piece, heat treated, 4140 steel flywheel half making these crankshafts some of the strongest available on the market today. These crankshafts feature all new 8.000” long H-Beam rods with 0.927 diameter wrist pins to handle all the power you can throw at them. These are also balanced using our exclusive methods making these some of the smoothest engines in the industry.

CYLINDER

C356-T6 Casting. Cast in liners will not move. . All fins are machined for an excellent cosmetic appearance.

CYLINDER HEAD

C356-T6 Casting. All fins are machined for excellent cosmetic appearance. Twin Cam® Styling means 30% more fin than most Evolution® style heads for cooler running. Compression release valves. 2.300 stainless intake valves, 1.800 stainless exhaust valves. CNC ported runners. Manganese Bronze guides. High silicon wire valve spring with titanium retainer.

ULTIMA® BAGGER/TOURING SERIES ENGINE SPECS: 124 C.I.



124 C.I.

Bore: 4.250”
Stroke: 4.375”
Piston: Forged Flat Top
Compression: 9.6:1
Camshaft: 0.600 I, .580 E, Lift, 248/252 Duration
Valve Spring: Ultima® Beehive
Chrome Reed Valve Rocker Boxes
HO Billet Oil Pump
Chrome Tappet Blocks
Single-fire Ignition
Includes Ultima® R-1 Carburetor
Compression Release Valves

*NOT EPA COMPLIANT

124 C.I.

CASES

Large bore breather for increased crank case vacuum and less blow by. Alignment dowels for true line bore. Counterbored stainless allen head case bolts. Close machining tolerances. Made from prime C356-T6 aluminum that is superior in strength to A356. Styling and cosmetic machining for a custom look.

CRANKSHAFT

Our state of the art designed crankshaft incorporates a massive 1.670 diameter pin that is pressed into the one piece, heat treated, 4140 steel flywheel half making these crankshafts some of the strongest available on the market today. These crankshafts feature 7.700” long H-Beam rods with 0.927 diameter wrist pins to handle all the power you can throw at them. These are also balanced using our exclusive methods making these some of the smoothest engines in the industry.

CYLINDER

C356-T6 Casting. Cast in liners will not move. All fins are machined for an excellent cosmetic appearance.

CYLINDER HEAD

C356-T6 Casting. All fins are machined for excellent cosmetic appearance. Twin Cam® Styling means 30 % more fin than most Evolution® style heads for cooler running. Compression release valves. 2.100 stainless intake valves, 1.700 stainless exhaust valves. Manganese Bronze guides. High silicon wire valve spring with chromoly retainer.

ULTIMA® SHOVELHEAD SERIES ENGINE SPECS: 96 C.I.

96 C.I.

Bore: 3.625”
Stroke: 4.625”
Piston: Cast dome
Compression: 9.5:1
Camshaft: 0.450” lift / 256 Duration
Valve Spring: Ultima®
Chrome Rocker Boxes
92’ & Later H.O. Billet Oil Pump
Chrome Tappet Blocks
Single-fire Ignition
Compression Release Valves
3-Bolt Exhaust Manifold
Dual Plug Heads

*NOT EPA COMPLIANT

*NOTE: INTAKE MANIFOLD AND CARBURETOR NOT INCLUDED. IGNITION INCLUDED BUT NOT PICTURED.

SHOVELHEAD 96 C.I.

CASES

Large bore breather for increased crank case vacuum and less blow by. Alignment dowels for true line bore. Counterbored stainless allen head case bolts. Close machining tolerances. Made from prime C356-T6 aluminum that is superior in strength to A356. Styling and cosmetic machining for a custom look.

CRANKSHAFT

Forged 4140 Steel. Dynamic balanced for the smoothest running engines in the industry. Light weight 7.440” high-performance H-beam rods w/0.792” pins.

CYLINDER

Traditional cast iron

CYLINDER HEAD

C356-T6 Casting. 1.950 stainless Int. Valves. 1.750 stainless Ex. Valves. Manganese Bronze guides. High Silicon Wire Valve Spring with Chromoly Retainer. Compression release valves. 3-bolt exhaust manifold. Dual plug.

ULTIMA® POWER PACKAGES



92-400

80" EVO POWER PACKAGE

For those who want to bump up the ponies on that stock EVO, try Ultima®'s new 80 C.I. EVO upgrade. Simply choose what year application you need, then order your 10:1 pistons, rings and rocker box gaskets seperately. All other applicable gaskets not shown, but included. Andrews EV27 cam used with this kit.

92-401 1984-1991, 80" Ultima® EVO power package
92-400 1992-1999, 80" Ultima® EVO power package

NOTE: Power packages include parts shown. Applicable gaskets included but not pictured. Must order supporting parts separately.

SUPPORTING PARTS

MAHLE PISTONS

80 C.I. BIG TWIN 1340 EVOLUTION® 1984 & LATER
10:1 Compression, standard stroke 4.250,
compression height 1.381. **PISTONS SOLD AS PAIR; RINGS SOLD SEPARATELY.**

BORE	PART NO.	RINGS
3.498 (Std.)	**93-794**	**93-456**
3.503 (+.005)	**93-795**	**93-476**
3.508 (+.010)	**93-796**	**93-457**
3.518 (+.020)	**93-797**	**93-458**
3.528 (+.030)	**93-798**	**93-459**

PISTONS SOLD AS PAIR; RINGS SOLD SEPARATELY.

ROCKER BOX GASKETS

77-109 Ultima® solid top rocker box
77-111 Ultima® cast top rocker box w/hole in center
77-443 Zodiac (hole in center) rocker box
77-414 84'-91' EVO (3 piece rocker box)
77-413 91'-99' EVO (3 piece rocker box)



92-402

89" EVO STROKER POWER PACKAGE

When 80 C.I. isn't enough, try Ultima®'s new 89" Stroker power package. With the 4-5/8" dynamically balanced stroker flywheels, you will think you traded a small block for a big block without the price. Simply order your kit and then order 10:1 pistons, rings, rocker box gaskets and your motor gasket kit that suits your application.

92-402 89" Ultima® EVO Stroker power package

NOTE: Power packages include parts shown. Must order supporting parts separately.

SUPPORTING PARTS

MAHLE PISTONS

89 C.I. STROKER PISTONS
The same parts used in our 89" stroker kits. Stock Bore, 1.200" compression height flat top pistons with pins, & clips.

BORE	PART NO.	RINGS
3.498 (Std.)	**93-785**	**93-456**
3.503 +.005	**93-786**	**93-476**
3.508 +.010	**93-787**	**93-457**
3.518 +.020	**93-788**	**93-458**
3.528 +.030	**93-789**	**93-459**

PISTONS SOLD AS PAIR; RINGS SOLD SEPARATELY.

ROCKER BOX GASKETS

77-109 Ultima® solid top rocker box
77-111 Ultima® cast top rocker box w/hole in center
77-443 Zodiac (hole in center) rocker box
77-414 84'-91' EVO (3 piece rocker box)
77-413 91'-99' EVO (3 piece rocker box)

COMPLETE ENGINE GASKET KITS

77-402 84'-88 EVO Big Twin 4 & 5 Spd.
77-403 84'-91 EVO Big Twin FLT, FXR 5 Spd.

ULTIMA® POWER PACKAGES

100”-107” EVO POWER PACKAGE

Convert and freshen up your older existing Ultima® 100” to a 107” with this simple bolt on kit.

92-403 Natural, 107” Ultima® EVO power package
92-404 Black, 107” Ultima® EVO power package
92-405 Polished, 107” Ultima® EVO power package

NOTE: Power packages include parts shown. Head and base gaskets included but not shown. Must order supporting parts separately.

SUPPORTING PARTS

ROCKER BOX GASKETS

77-109 Ultima® solid top rocker box
77-111 Ultima® cast top rocker box w/hole in center
77-443 Zodiac (hole in center) rocker box
77-414 84’-91’ EVO (3 piece rocker box)
77-413 91’-99’ EVO (3 piece rocker box)



92-405

107” COMPLETE EVO POWER PACKAGE

Do you have an older Ultima® or S&S® 107” that needs some freshening up? Bump up to our 107” hop-up kit. With Ultima®’s better flowing heads, cam, and roller rocker combo you can expect superior power and unsurpassed throttle response. R-1 manifold included.

92-409 Natural, 107” Ultima® EVO power package
92-410 Black, 107” Ultima® EVO power package
92-411 Polished, 107” Ultima® EVO power package

NOTE: Power packages include parts shown. Head, base & cam cover gaskets included but not shown. Must order supporting parts separately.

113” COMPLETE EVO POWER PACKAGE

Do you have an older Ultima® or S&S® 113” that needs some work? Bump up to our 113” hop-up kit. With Ultima®’s better flowing heads, cam, and roller rocker combo you can expect superior power and unsurpassed throttle response. R-1 manifold included.

92-406 Natural, 113” Ultima® EVO power package
92-407 Black, 113” Ultima® EVO power package
92-408 Polished, 113” Ultima® EVO power package

NOTE: Power packages include parts shown. Head, base & cam cover gaskets included but not shown. Must order supporting parts separately.

SUPPORTING PARTS

ROCKER BOX GASKETS

77-109 Ultima® solid top rocker box
77-111 Ultima® cast top rocker box w/hole in center
77-443 Zodiac (hole in center) rocker box
77-414 84’-91’ EVO (3 piece rocker box)
77-413 91’-99’ EVO (3 piece rocker box)



92-408

ULTIMA® POWER PACKAGES


92-413

TWIN CAM®-A MOTOR PERFORMANCE HEAD KIT

Ultima®'s Twin Cam® performance head kits offer easy bolt on power. Ultima®'s high flow heads offer increased horsepower and torque just by replacing your stock Twin Cam® heads and rocker boxes.

92-412 Black, Twin Cam® performance head kit
92-413 Silver, Twin Cam® performance head kit

NOTE: Power packages include parts shown. Must order supporting parts separately.

SUPPORTING PARTS

77-475 Head gasket, .035, recommended thickness
77-476 Head gasket, .046
77-477 Head gasket, .054


92-414

100" TWIN CAM®-A MOTOR POWER PACKAGE

Ultima®'s 100 C.I. Twin Cam® power package turns your stock 88 cubic inch motor into a 100 C.I. stroker. The kit combines Ultima®'s high flow head with a 4.25" stroker crank. New cylinders are available as an add-on or you can bore your stock 96" cylinders to accomodate the 3.875" bore pistons.

92-414 Black, 100" Ultima® Twin Cam® power package
92-415 Silver, 100" Ultima® Twin Cam® power package

NOTE: Power packages include parts shown. Must order supporting or add-on parts separately.

ADD-ONS

93-878 Front 3.875" Twin Cam® black cylinder
93-879 Rear 3.875" Twin Cam® black cylinder
93-876 Front 3.875" Twin Cam® silver cylinder
93-877 Rear 3.875" Twin Cam® silver cylinder
114-206 Chain drive cam, Softails®


92-416

113" TWIN CAM®-A MOTOR POWER PACKAGE

Ultima®'s 113 C.I. Twin Cam® power package turns your stock motor into a 113 C.I. monster. Everything is included in the kit except the cam that suits your particular motor. Case machining will be required to fit the 4" bore cylinders.

92-416 Black, 113" Ultima® Twin Cam® power package
92-417 Silver, 113" Ultima® Twin Cam® power package

NOTE: Power packages include parts shown. Must order supporting or add-on parts separately.

ADD-ONS

114-206 Chain drive cam, Softails®

NOTE: FUEL INJECTED MODELS WILL NEED A FUEL INJECTION TUNER WITH ALL OF THESE KITS.

ULTIMA® ENGINE GASKETS

A. GASKET KITS FOR ULTIMA® ENGINES

77-436 Engine gasket kit for 80 C.I. Ultima® engines.
77-438 Head & base gasket kit for 96 C.I. Ultima® engines.
77-439 Engine gasket kit for 96 C.I. Ultima® engines.
77-440 Engine gasket kit for Ultima® engines 100 C.I., 107 C.I. & 113 C.I.
77-441 Head & base gasket kit for Ultima® engines 100 C.I., 107 C.I. & 113 C.I.
77-442 Engine gasket kit for Ultima® engines 120 C.I. & 127 C.I.
77-444 Head & base gasket kit for Ultima® engines 120 C.I. & 127 C.I. .035
77-470 Engine gasket kit for Ultima® engines 130 C.I. & 140 C.I.
77-471 Head & base gasket kit for Ultima® engines 130 C.I. & 140 C.I.
77-110 Head gasket kit for Ultima® engines 130 C.I. & 140 C.I.
77-445 Complete gasket kit for Ultima® Shovelhead engines 96 C.I.

C. ULTIMA® MOTOR BOLT KIT

Complete motor bolt kit for all Ultima® engines, except shovelhead.
40-619 Ultima® motor bolt kit.

D. ULTIMA® MOTOR BOX

97-315 Replacement Ultima® carboard motor box. No stand or foam included.

D



B. INDIVIDUAL GASKETS & SEALS FOR ULTIMA® ENGINES

PART#	QTY. NEEDED PER MOTOR	DESCRIPTION
77-109	1	Rocker box gasket kit, Ultima® die cast rocker box (no hole)
77-443	1	Rocker box gasket kit, old style w/hole in middle
78-700	1	Shovelhead rocker box
95-133	2	Intake manifold to head seals
42-302	1	Carb to manifold spigot seal, 42mm
42-303	1	Carb to manifold spigot seal, 45mm
42-305	1	Carb to manifold spigot seal, 48mm
91-770	4	Valve stem seals, EVO
91-779	4	Valve stem seals, Shovelhead
78-683	2	Head gasket, 130/140 C.I., Front or Rear
78-680	2	Head gasket, 120/127 C.I., Front or Rear, .054
78-678	2	Head gasket, 100/107/113 C.I., Front or Rear, .035
78-686	1	Head gasket, 120/127 C.I., Front or Rear, .035
78-685	1	Head gasket, 100/107/113 C.I., Front or Rear, .054
78-703	1	Head gasket, 96 C.I. Shovelhead, Front or Rear
78-681	1	Base gasket, 130/140 C.I., Front
78-682	1	Base gasket, 130/140 C.I., Rear
78-679	1	Base gasket, 120/127 C.I., Front
78-684	1	Base gasket, 120/127 C.I., Rear
78-676	1	Base gasket, 100/107/113 C.I., Front
78-677	1	Base gasket, 100/107/113 C.I., Rear
78-702	1	Base gasket, 96 C.I. Shovelhead, Front or Rear
78-673	4	Pushrod tube, middle o-ring
78-674	4	Pushrod tube, bottom o-ring
78-675	4	Pushrod tube, upper o-ring
78-670	1	Rear tappet guide gasket
78-671	1	Front tappet guide gasket
78-672	1	Ultima® cam cover gasket, std.
78-669	1	Ultima® cam cover gasket, .060 thick
95-777	1	Camshaft seal
98-625	1	Ultima® H.O. oil pump gasket, base
98-627	1	Ultima® H.O. oil pump gasket, cover
95-805	1	Crankshaft main seal



A





206-41

B



A. *ULTIMA® ENGINE CASES EVOLUTION STYLE 84'-99'*

Engine cases are the foundation of your complete engine project and we offer the finest available in the industry. Improved appearance and design features in almost every area of these castings along with their exceptional price make them a must when replacing worn out or weak stock castings. These cases are produced from prime C355-T6 which is a commonly used military alloy and known for its stability over multiple heat cycles. Machining is done on state of the art CNC machining centers using hydraulic fixturing for repeatability with strict QS and ISO quality standards enforced. This along with other solid quality features like cast-in high carbon steel inserts, counter bored allen case bolts, large 1/4" NPT drain plug, and a high volume ported breather make these a professional engine builders choice for your next high performance engine. All case kits come with the main bearings, cam bearing, chromoly cylinder studs installed and the pinion race sized to 1.751". Also included are the main seal, main seal spacer, top end feed screen and spring, chrome timing hole plug, stainless steel case bolts and the oil pressure gauge.

ENGINE CASE KITS

206-54 1984 Thru 1991, 3.500" bore Natural finish.
206-55 1984 Thru 1991, 3.500" bore Black finish.
206-52 1984 Thru 1991, 3.625" bore Natural finish case kit.
206-53 1984 Thru 1991, 3.625" bore Black finish.
206-56 1992 & Later, 3.500" bore Natural finish.
206-57 1992 & Later, 3.500" bore Black finish.
206-50 1992 & Later, 3.625" bore Natural finish.
206-51 1992 & Later, 3.625" bore Black finish.
206-40 Fatso™ engine case, Twin Cam® top Evo lower, Natural finish.
206-41 Fatso™ engine case, Twin Cam® top Evo lower, Black finish.
206-42 1992 & Later 3.875" & 4.000" bores, S&S® bolt pattern, Natural finish.
206-43 1992 & Later 3.875" & 4.000" bores, S&S® bolt pattern, Black finish.
206-72 1992 & Later 3.875" & 4.000" bores, S&S® bolt pattern, Polished finish.
206-70 1992 & Later 3.875" & 4.000" bores, 3Pc flywheel, Natural finish.
206-81 1992 & Later 3.875" & 4.000" bores, 3Pc flywheel, Black finish.
206-82 1992 & Later 3.875" & 4.000" bores, 3Pc flywheel, Polished finish.
206-48 1992 & Later 4.250" bore, Ultima® 120 & 127 C.I., Natural finish.
206-49 1992 & Later 4.250" bore, Ultima® 120 & 127 C.I., Black finish.
206-78 1992 & Later 4.250" bore, Ultima® 120 & 127 C.I., Polished finish.
206-44 1992 & Later 4.400" bore, Ultima® 140 C.I., Natural finish.
206-45 1992 & Later 4.400" bore, Ultima® 140 C.I., Black finish.
206-74 1992 & Later 4.400" bore, Ultima® 140 C.I., Polished finish.

B. *ULTIMA® ENGINE CASES SHOVELHEAD 70'-84'*

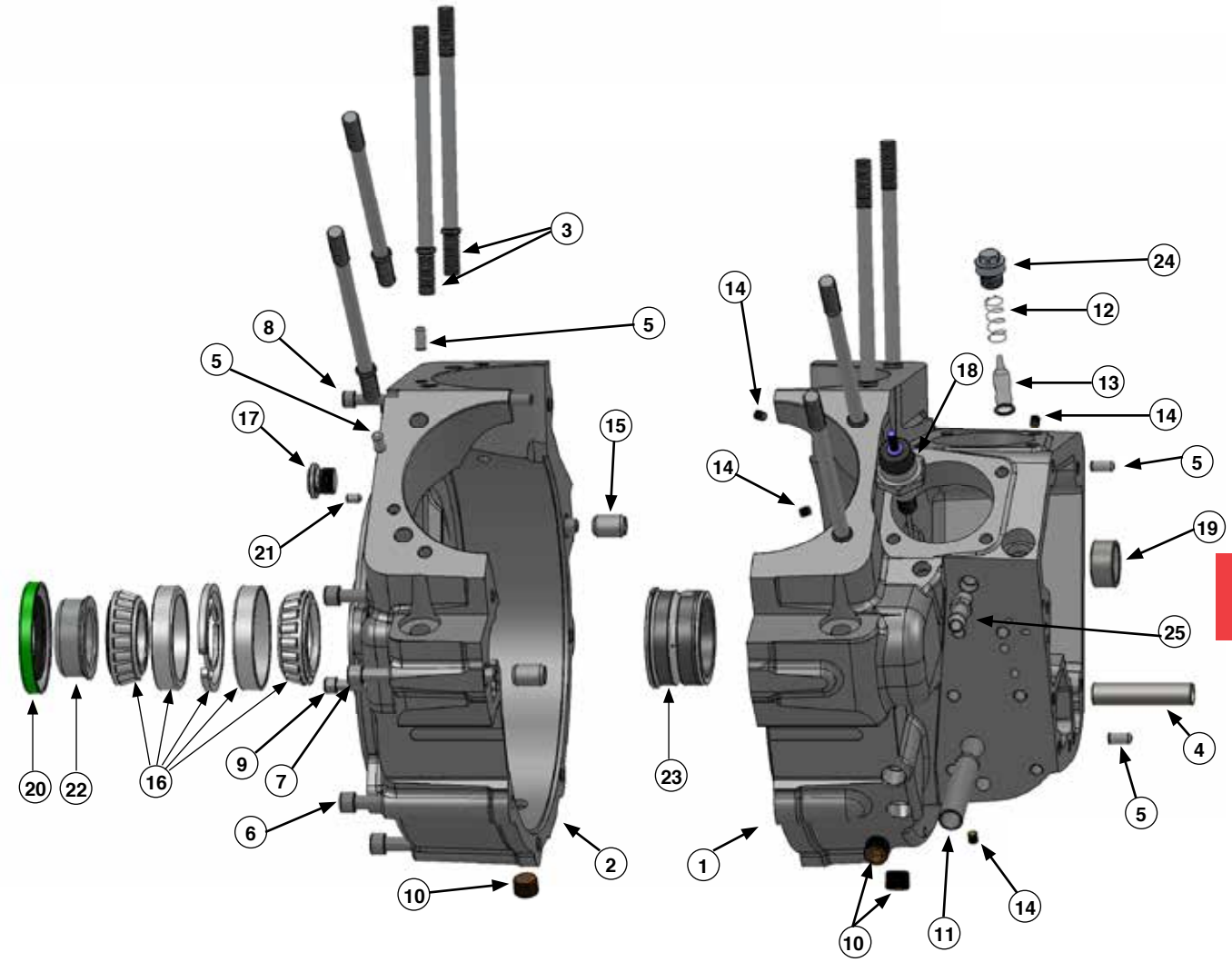
1970 - 1984 Case. Cast-in steel inserts guaranteed not to move. Large bore breather for increased crank case vacuum and less blow by. Alignment dowels for true line bore. Counterbored stainless allen head case bolts. Close machining tolerances. Made from prime C355 aluminum. Styling and cosmetic machining for a custom look.

ENGINE CASE KITS

206-25 Stock bore case, Natural finish. Fits 1970-1984 Shovelheads in both 74 C.I. and 80 C.I. Uses 1984-1991 EVO oil pump.
206-21 3.625" bore case, Natural finish. 96" big bore case uses 1992 & later oil pump.

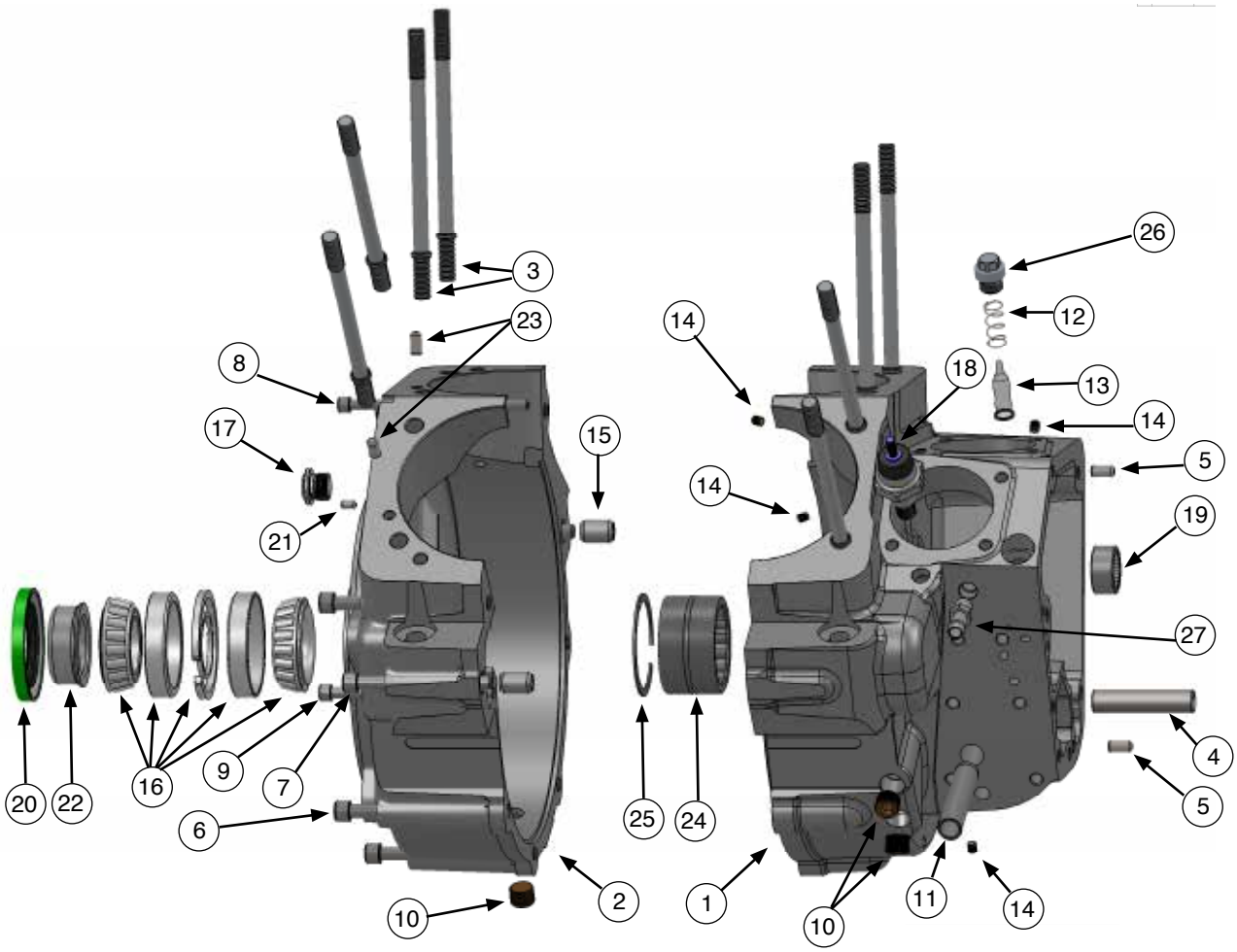
3.875/4.00 Case design change, summer 2013. Replacement parts for previous models found in Engine Big Book (located after sec. 6 in catalog) based on case code.

ULTIMA® 5-PIECE CRANK ENGINE CASES



1.	**RIGHT CASE**	MW Evolution
2.	**LEFT CASE**	MW Evolution
3.	**98-536**	6-11/16" length cylinder studs for 3.498" & 3.625"
	98-547	6-1/8" length cylinder studs for 3.875" & 4.000"
4.	**98-542**	Breather seperator tube for case
5.	**98-540**	Dowel pin, 0.250 x 0.500
6.	**300-534**	Case bolt, 5/16 - 18 x 3 - 1/2
7.	**300-533**	Case bolt, 5/16 - 18 x 2 - 3/4
8.	**300-535**	Case bolt, 1/4 - 20 x 4
9.	**300-125**	Case bolt, 1/4 - 20 x 3 - 1/2
10.	**98-544**	1/4" Pipe plug for case
11.	**300-453**	Bushing, oil pump Big Twin 36-L
12.	**98-511**	Spring, crankcase oil screen BT
13.	**98-510**	Cranckcase screen, BT 70/99 24981-70
14.	**98-543**	3/16" High pressure plug for case
15.	**300-541**	Alignment pin, 0.500 x 0.500 for case halves
16.	**95-320**	Bearing, complete HD 9028
17.	**98-490**	Timing plug for Ultima® Motor assy.
18.	**17-65**	Switch, oil pressure V2
19.	**95-173**	Bearing, cam case HD 9058
20.	**95-805**	Oil seal, HD 12026-high quality
21.	**98-545**	10-24 set screw for case
22.	**98-360**	Spacer, SPK shaft 71-99 BT
23.	**95-429**	Race, bearing BT 24599-58B STD 93-up
24.	**41-888**	Screen plug for Ultima® motor
25.	**21-123**	Oil vent line fitting

ULTIMA® 3-PIECE CRANK ENGINE CASES



1.	**RIGHT CASE**	MW Evolution
2.	**LEFT CASE**	MW Evolution
3.	**98-547**	6-1/8" length cylinder studs for 4.000", 4.250" & 4.400" bore
4.	**98-542**	Breather seperator tube for case
5.	**98-540**	Dowel pin, 0.250 x 0.500
6.	**300-534**	Case bolt, 5/16 - 18 x 3 - 1/2
7.	**300-533**	Case bolt, 5/16 - 18 x 2 - 3/4
8.	**300-535**	Case bolt, 1/4 - 20 x 4
9.	**300-125**	Case bolt, 1/4 - 20 x 3 - 1/2
10.	**98-544**	1/4" Pipe plug for case
11.	**300-453**	Bushing, oil pump Big Twin 36-L
12.	**98-511**	Spring, crankcase oil screen BT
13.	**98-510**	Cranckcase screen, BT 70/99 24981-70
14.	**98-543**	3/16" High pressure plug for case
15.	**300-541**	Alignment pin, 0.500 x 0.500 for case halves
16.	**95-320**	Bearing, complete HD 9028
17.	**98-490**	Timing plug for Ultima® Motor assy.
18.	**17-65**	Switch, oil pressure V2
19.	**95-173**	Bearing, cam case HD 9058
20.	**95-805**	Oil seal, HD 12026-high quality
21.	**98-545**	10-24 set screw for case
22.	**98-360**	Spacer, SPK shaft 71-99 BT
23.	**98-540**	Dowel pin for cylinder 1/4 X 1/2 (4.00 bore)
	98-577A	Dowel pin for cylinder 3/8 X 1/2 hollow (4.25 bore & up)
24.	**95-809**	Needle bearing 1.5 shaft 1.25 width
25.	**98-581**	Case pinion bearing retaining ring
26.	**41-888**	Screen plug for Ultima® motor
27.	**21-123**	Oil vent line fitting

ULTIMA® 5-PIECE CRANKSHAFTS

Tired of shaking your teeth out on a 100-mile ride? Replace your old crankshaft with an Ultima® dynamic balanced crankshaft. Lightweight racing connecting rods and our exclusive balancing system makes these an exceptional value. This is the core of your engine and can make or break your ride quality. These crankshafts are 8.500" diameter and utilize cage roller style pinion bearings & 7.440" H-Beam rods. Both replacement and high performance match balanced piston kits are available in standard and oversizes for 80", 89", 96", 100", 107" & 113" engines.

Using 0.792 pins.

98-550 4.625" stroke, 1984 thru 1999 model Evolution style stroker engines. The standard length pinion shaft fits most 89", 96", and 106" engines. See **NOTE 1** below.

98-552 4.250" stroke, 1984 thru 1999 model Evolution style engines & will replace shaker cranks on most 88" & 97" engines. Standard length pinion shaft. See **NOTE 1** below.

98-553 4.500" stroke, 1984 thru 1999 model Evolution style engines with the 1/4" longer pinion shaft. Great replacement for S&S® 113" cranks.

98-554 4.250" stroke, incorporates the 1/4" longer pinion shaft. Great replacement for S&S® 107" cranks.

98-523 4.000" stroke, 1984 thru 1999 model Evolution style engines with the 1/4" longer pinion shaft. Great replacement for S&S® 100" motors.

98-524 4.625" stroke, Shovelhead, used in our Ultima® 96" Shovelhead motor. Has a standard length pinion shaft and features heavy counter weights to allow for balancing for a wide variety of piston weights.

Note 1: This shaft has a long bushing end allowing it to be used on 1990 & later model engines with the stronger 1984 thru 1999 style pinion shaft gear components. You must order Midwest part No. **98-570** pinion conversion package if using on 1990 & later engines.



6

1. **Flywheel forging**
2. **98-421** 1"-20 nut
3. **98-422** 3/4"-20 nut
4. **98-573** Connecting rod set
5. **95-145** Crank race set
6. **95-259** Roller bearing set
7. **95-146** Wrist pin insert
   95-142 Wrist pin insert +0.002 OS
8. **98-537** Crank pin - 1.250 w/nuts & key
9. **98-539** 1-1/8"-16 nut
10. **98-475** Key, OEM#23985-18
11. **94-137** Key, OEM#23985-12
12. **98-546** Pinion shaft, std
    98-549 Pinion shaft, 1/4" longer
13. **98-339** Sprocket Shaft

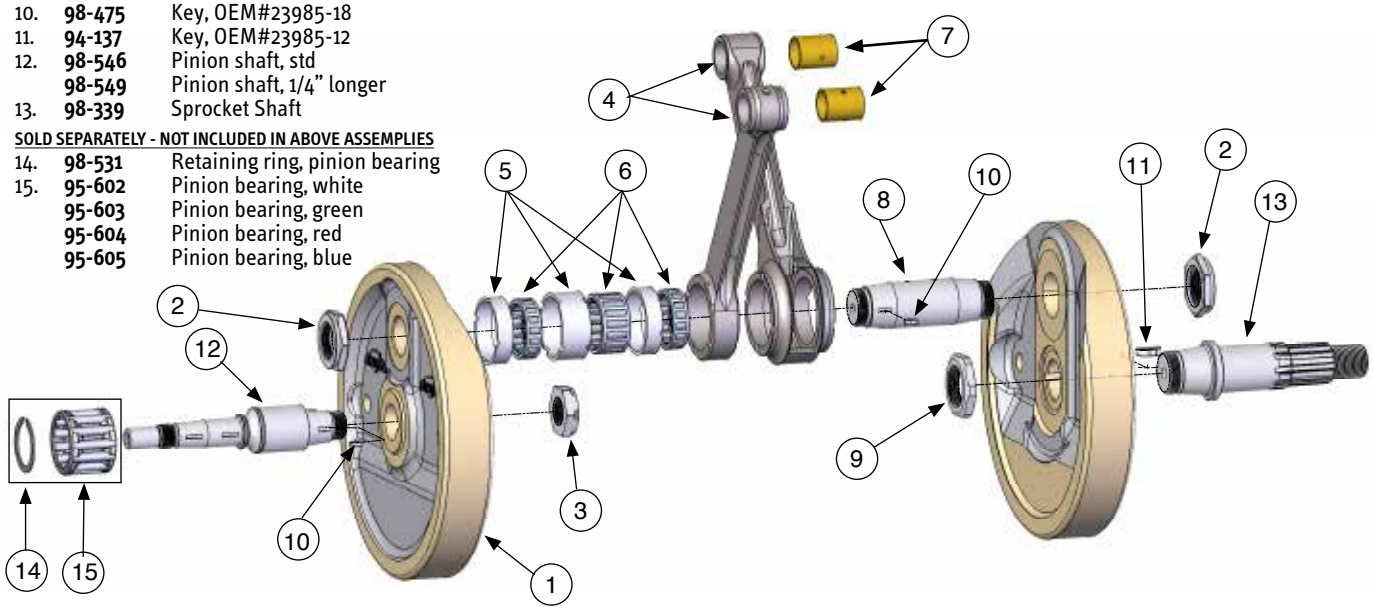
SOLD SEPARATELY - NOT INCLUDED IN ABOVE ASSEMPLIES

14. **98-531** Retaining ring, pinion bearing
15. **95-602** Pinion bearing, white
    95-603 Pinion bearing, green
    95-604 Pinion bearing, red
    95-605 Pinion bearing, blue

ULTIMA® HEAVY COUNTERWEIGHTS

PART#	STROKE
98-654	4.000
98-650	4.250
98-651	4.500
98-652	4.625
98-653	4.750
98-594	no stroke





ULTIMA® 3-PIECE CRANKSHAFTS

Made exclusively for Ultima® big bore engines. These dynamically balanced crankshafts use lightweight racing H-Beam connecting rods making them an exceptional value. This is the core of your engine and can make or break your ride quality. These crankshafts have a 8.250" dia. counterweight. Replacement OEM piston kits are available for service sizes & do not require rebalance.



98-557

Rods are 7.700" with 0.927" pins.

98-559 4.000 stroke.
98-555 4.250 stroke, used in our Ultima® 120".
98-522 4.375 stroke, used in our Ultima® 124".
98-556 4.500 stroke, used in our Ultima® 127".
98-599 4.625 stroke, used to make a 131".

Rods are 8.000" with 0.927" pins.

98-579 4.250 stroke, used in our Ultima® 130".
98-557 4.625 stroke, used in our Ultima® 140".

Rods are 7.440" with 0.927" pins.

98-631 4.250 stroke used in our Ultima® 100/107".
98-521 4.500 stroke used in our Ultima® 113".
98-567 4.625 stroke, used to make a 117".

For Twin Cam® "A" engines. The rods are 7.670" with 0.927" pins.

98-597 4.00 stock stroke, 3.370 bore, 88 cid.
98-670 4.00 stock stroke, 3.875 bore, 95 cid.
98-568 4.375 stock stroke, 3.750 bore, 96 cid.
98-671 4.375 stock stroke, 3.875 bore, 103 cid.
98-672 4.375 stock stroke, 3.935 bore, 106 cid.
98-673 4.375 stock stroke, 4.00 bore, 110 cid.
98-674 4.375 stock stroke, 4.060 bore, 113 cid.
98-596 4.25 stroke for Twin Cam® "A" engines.
98-558 4.50 stroke, 4.0 bore, 113 Ultima.
98-569 4.625 stroke, 4.060 bore, 120 HD*.

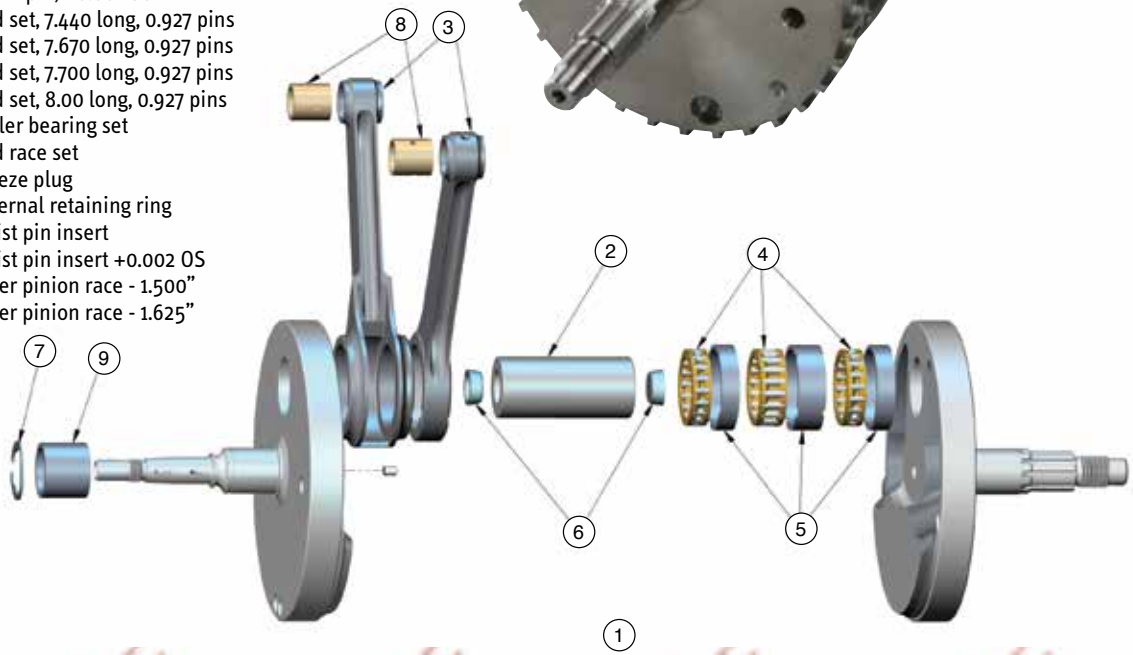


98-597

***Must use SE 7.575 rod set or stock TC rod length + .100 cylinders**
No stroke hole fully machined wheel set - customer to machine stroke hole and drill oil feed hole.

Custom balancing available. Contact your sales for details.

1. **Machined Wheels**
2. **98-548** Crank pin, 1.671" std dia
   98-598 Crank pin, +0.001 OS
3. **98-580** Rod set, 7.440 long, 0.927 pins
   98-574 Rod set, 7.670 long, 0.927 pins
   98-575 Rod set, 7.700 long, 0.927 pins
   98-578 Rod set, 8.00 long, 0.927 pins
4. **95-307** Roller bearing set
5. **95-147** Rod race set
6. **41-179A** Freeze plug
7. **98-601** External retaining ring
8. **95-144** Wrist pin insert
   95-148 Wrist pin insert +0.002 OS
9. **95-810** Inner pinion race - 1.500"
   95-811 Inner pinion race - 1.625"



ULTIMA® CYLINDERS & PISTONS



ULTIMA® TWIN CAM® CYLINDERS

	100"		113"	
BORE	3.875		4.000	
STROKE	4.250		4.500	
CYLINDER LENGTH	4.935		4.975	
COMPRESSION	10.5:1		10.9:1	
PISTON COMPRESSION HEIGHT	1.160		1.075	
CASE BORE	4.055		4.255	
BOLT PATTERN	Stk.		Stk.	
	FRONT	REAR	FRONT	REAR
SILVER FINISH CYLINDER ONLY	**93-876**	**93-877**	**93-870**	**93-871**
BLACK FINISH CYLINDER ONLY	**93-878**	**93-879**	**93-872**	**93-873**

ULTIMA® TWIN CAM® PISTONS

FOR TWIN CAM® 100 C.I.
Pistons set with pins, clips & rings

BORE	PART NO.
3.875 (Std.)	**92-500**
3.875 +.005	**92-501**
3.875 +.010	**92-502**
3.875 +.020	**92-503**
3.875 +.030	**92-504**

FOR TWIN CAM® 113 C.I.
Pistons set with pins, clips & rings

BORE	PART NO.
4 (Std.)	**93-965**
4 +.005	**93-966**
4 +.010	**93-967**
4 +.020	**93-968**
4 +.030	**93-969**

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ULTIMA® 3.875", 4.000", 4.250" & 4.400" BORE PISTON ACCESSORIES

OVERSIZE PISTON PARTS	100"	107" 113"	120" 127"	100",107",113" 120" & 127"		130" 140"	130" & 140"	
	RINGS	RINGS	RINGS	PIN	CLIP	RINGS	PIN	CLIP
Std.	**93-908**	**93-911**	**93-990**	**94-200**	**94-201**	**93-995**	**94-202**	**94-203**
+.005	**93-909**	**93-912**	**93-991**	**94-200**	**94-201**	**93-996**	**94-202**	**94-203**
+.010	**93-910**	**93-913**	**93-992**	**94-200**	**94-201**	**93-997**	**94-202**	**94-203**
+.020	**93-122**	**93-120**	**93-993**	**94-200**	**94-201**	**93-998**	**94-202**	**94-203**
+.030	**93-123**	**93-121**	**93-994**	**94-200**	**94-201**	**93-999**	**94-202**	**94-203**

Case design change, summer 2013. Replacement parts for previous models found in Engine Big Book (located after sec. 6 in catalog) based on case code.

ULTIMA® REPLACEMENT HEADS FOR SHOVELHEAD

STOCK REPLACEMENT CYLINDER HEADS FOR 74" & 80 " SHOVELHEAD

C356-T6 Casting. 1.940 stainless Int. Valves. 1.750 stainless Ex. Valves. Manganese Bronze guides. High Silicon Wire Valve Spring with black oxide steel retainers. Compression release valves. 3-bolt exhaust manifold flange for added strength & durability. Dual plug.

BARE CYLINDER HEADS

93-130M Front natural finish. stock bore, bare.
93-131M Rear natural finish. stock bore, bare.

COMPLETE CYLINDER HEADS

93-130 Front natural finish. stock bore, complete.
93-131 Rear natural finish. stock bore, complete.



74"/80" HEADS

PATENT#
D608795
D608,372

ULTIMA® CYLINDERS & PISTONS



ULTIMA® 3.875", 4.000", 4.250" & 4.400" BORE BIG TWIN CYLINDERS

		100"	107"	113"	120"	127"	130"	140"
BORE		3.875	4.000	4.000	4.250	4.250	4.400	4.400
STROKE		4.250	4.250	4.500	4.250	4.500	4.250	4625
CYLINDER LENGTH		4.995	4.995	4.995	5.030	5.030	5.340	5.340
COMPRESSION		9.6:1 **NOTE 1**	10:1	10.2:1 **NOTE 1**	9.8:1	10.2:1	10.0:1	10.8:1
PISTON COMP. HEIGHT		1.325	1.325	1.200	1.200	1.075	1.385	1.200
CASE BORE		4.255	4.255	4.255	4.500	4.500	4.635	4.635
BOLT PATTERN		4.000	4.000	4.000	4.250	4.250	4.400	4.400
NATURAL FINISH	F	**93-860**	**93-858**	**93-858**	**93-934**	**93-934**	**93-948**	**93-948**
CYLINDER ONLY	R	**93-861**	**93-859**	**93-859**	**93-935**	**93-935**	**93-949**	**93-949**
BLACK FINISH	F	**93-864**	**93-862**	**93-862**	**93-936**	**93-936**	**93-950**	**93-950**
CYLINDER ONLY	R	**93-865**	**93-863**	**93-863**	**93-937**	**93-937**	**93-951**	**93-951**
POLISHED FINISH	F	**93-60**	**93-58**	**93-58**	**93-34**	**93-34**	**93-48**	**93-48**
CYLINDER ONLY	R	**93-61**	**93-59**	**93-59**	**93-35**	**93-35**	**93-49**	**93-49**

NOTE 1: This piston shape matches Ultima® cylinder heads. Chamber design & compression ratios are using Ultima® heads ONLY.

ULTIMA® 3.875", 4.000", 4.250" & 4.400" BORE BIG TWIN PISTONS

ULTIMA® 100 C.I.
Pistons set with rings; 9.6:1 ratio.

BORE	PART NO.
3.875 (Std.)	**93-185**
3.875 +.005	**93-186**
3.875 +.010	**93-187**
3.875 +.020	**93-188**
3.875 +.030	**93-189**

ULTIMA® 107 C.I.
Pistons set; 10:1 ratio.

BORE	PART NO.	RINGS
4 (Std.)	**93-180**	**INCLUDED**
4 +.005	**93-181**	**93-912**
4 +.010	**93-182**	**93-913**
4 +.020	**93-183**	**93-120**
4 +.030	**93-184**	**93-121**

ULTIMA® 113 C.I.
Pistons set; 10.2:1 ratio.

BORE	PART NO.	RINGS
4 (Std.)	**93-175**	**INCLUDED**
4 +.005	**93-176**	**93-912**
4 +.010	**93-177**	**93-913**
4 +.020	**93-178**	**93-120**
4 +.030	**93-179**	**93-121**

Case design change, summer 2013. Replacement parts for previous models found in Engine Big Book (located after sec. 6 in catalog) based on case code.

ULTIMA® 120 C.I.
Pistons set with rings; 9.8:1 ratio.

BORE	PART NO.
4.250 (Std.)	**93-970**
4.250 +.005	**93-971**
4.250 +.010	**93-972**
4.250 +.020	**93-973**
4.250 +.030	**93-974**

ULTIMA® 127 C.I.
Pistons set with rings; 10.2:1 ratio.

BORE	PART NO.
4.250 (Std.)	**93-975**
4.250 +.005	**93-976**
4.250 +.010	**93-977**
4.250 +.020	**93-978**
4.250 +.030	**93-979**

ULTIMA® 130 C.I.
Pistons set with rings; 10.0:1 ratio.

BORE	PART NO.
4.400 (Std.)	**93-980**
4.400 +.005	**93-981**
4.400 +.010	**93-982**
4.400 +.020	**93-983**
4.400 +.030	**93-984**

ULTIMA® 140 C.I.
Pistons set with rings; 10.8:1 ratio.

BORE	PART NO.
4.400 (Std.)	**93-985**
4.400 +.005	**93-986**
4.400 +.010	**93-987**
4.400 +.020	**93-988**
4.400 +.030	**93-989**

NOTE* PISTONS LISTED ON THIS PAGE COME WITH RINGS, CLIPS & 0.927" PINS. SEE NEXT PAGE FOR REPLACEMENT PISTON PARTS.

A. *ULTIMA® COMPLETE CYLINDER HEADS FOR 3.875", 4.000" & 4.250" BORE ENGINES*



COMPLETE HEAD SETS

These cylinder heads offer builders great value and excellent performance. If you're trying to improve the performance of an older engine these heads will provide a great place to start.
Our heads feature:

- 30% More fin area for cooler running engines.
- Compression release valves included.
- Intake valve @ 25° angle.
- Exhaust valve @ 28° angle.
- High silicon valve springs with chromoly retainers.
- Manganese bronze guides.
- 14mm spark plug.
- Includes Valves, Springs, Collars, & Compression Release.

93-900 Complete Head Set 4" Bore Bolt Pattern. Natural Finish — SOLD AS SET
93-907 Complete Head Set 4" Bore Bolt Pattern. Black Finish.

COMPLETE ASSEMBLED CYLINDER HEADS	NATURAL FRONT	NATURAL REAR	BLACK FRONT	BLACK REAR	POLISHED FRONT	POLISHED REAR
4.000" Bore complete assembled heads.	**93-890**	**93-891**	**93-892**	**93-893**	**93-90**	**93-91**
4.250" Bore complete assembled heads.	**93-930**	**93-931**	**93-932**	**93-933**	**93-30**	**93-31**
4.400" Bore complete assembled heads.	**93-952**	**93-953**	**93-954**	**93-955**	**93-52**	**93-53**
BARE HEADS W/GUIDES AND SEATS	NATURAL FRONT	NATURAL REAR	BLACK FRONT	BLACK REAR	POLISHED FRONT	POLISHED REAR
4.000" Bore bare heads with guides & seats.	**93-890M**	**93-891M**	**93-892M**	**93-893M**	—	—
4.250" Bore bare heads with guides & seats.	**93-930M**	**93-931M**	**93-932M**	**93-933M**	—	—
4.400" Bore bare heads with guides & seats.	**93-952M**	**93-953M**	**93-954M**	**93-955M**	**93-952P**	**93-953P**

NOTE 1: Ultima® cylinder heads require a special length intake manifold which are approximately 0.175" shorter per leg than a stock length manifold. These heads also have a larger intake opening requiring a 1.780"- 1.820" I.D. manifold. Ultima® manifolds are available to fit with a S&S® 'G' pattern only and will fit both our 100 CI and 113 CI engines.
NOTE 2: On most stock Softail® frames these heads with their larger cooling fin area can interfere with the stock mounted coil and spacing may be required.
NOTE 3: These cylinder heads measure 3.812" tall and are approximately 0.062" thicker than a stock casting to correct valve train geometry.

B. *DOUBLE VALVE SPRING W/DAMPER KIT*

Listed below are the parts our kit includes:

PART NO.	DESCRIPTION	
91-746	Valve springs.	INDIVIDUAL PARTS ALSO AVAILABLE
91-745	Valve keys 10°.	
91-250	Lower valve collar.	
91-251	Upper valve collar 10°.	

91-758 Valve spring kit for Ultima® engine. — SOLD AS KIT


91-746


91-250


91-745


91-251

C. *BEEHIVE VALVE SPRING COMPONENTS*

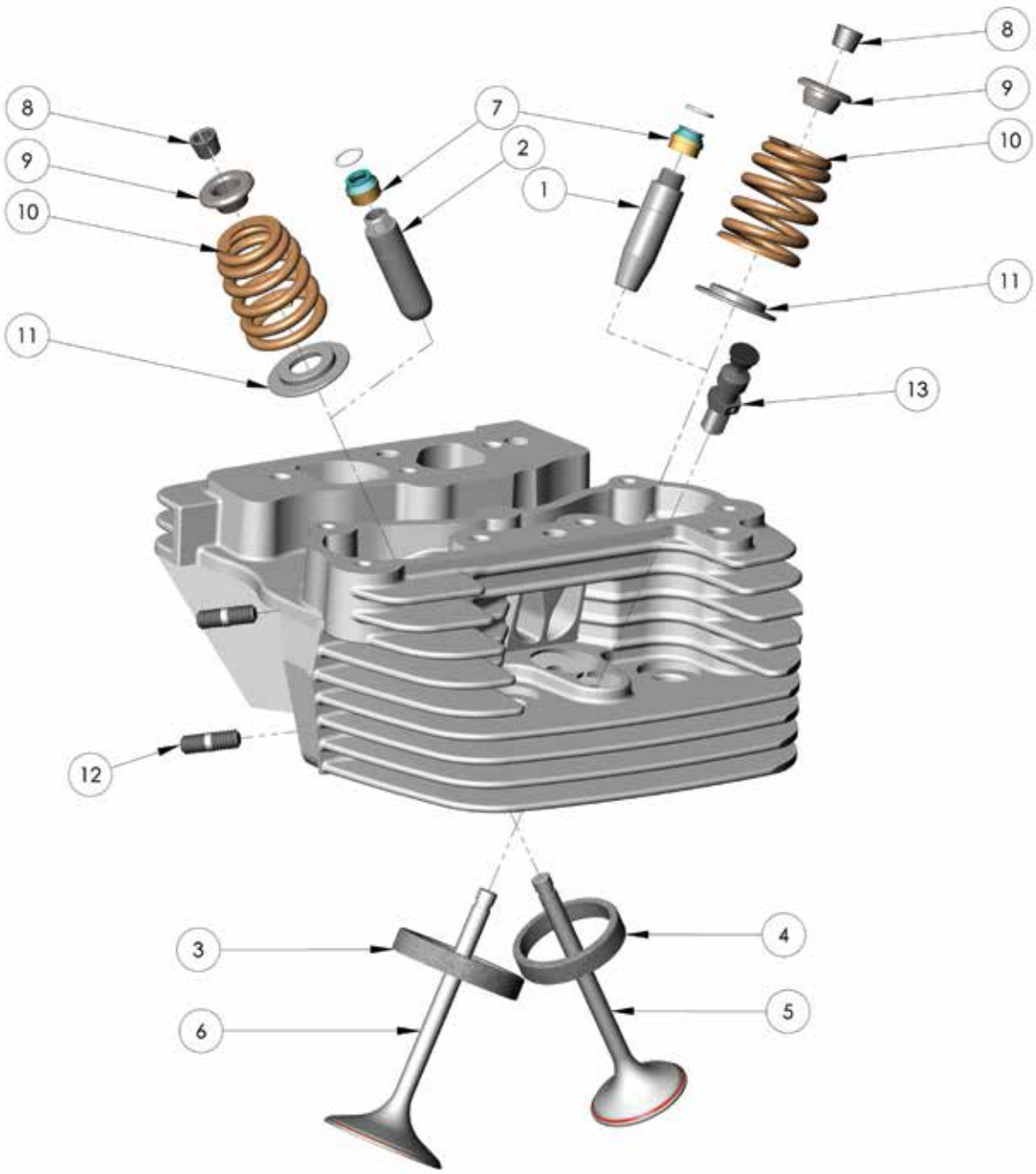
PART NO.	DESCRIPTION	
91-861	Valve spring - std install ht, 1.850	SOLD EACH
91-862	Valve spring - HP, install ht, 1.800	SOLD EACH
91-339	Ultima® valve lock	SOLD AS PAIR
91-337	Spring seat.	SOLD EACH
91-338	Ultima® chromoly retainer.	SOLD EACH
91-340	Ultima® titanium retainer.	SOLD EACH


91-338


91-861


91-337

ULTIMA® COMPLETE CYLINDER HEADS



1.	**91-780**	Valve guide Ultima® std. int.
	91-782	Valve guide Ultima® +0.001 int.
	91-784	Valve guide Ultima® +0.002 int.
	91-790	Valve guide Ultima® +0.003 int.
	91-786	Valve guide Ultima® +0.004 int.
	91-788	Valve guide Ultima® +0.006 int.
2.	**91-781**	Valve guide Ultima® std. ex.
	91-783	Valve guide Ultima® +0.001 ex.
	91-785	Valve guide Ultima® +0.002 ex.
	91-791	Valve guide Ultima® +0.003 ex.
	91-787	Valve guide Ultima® +0.004 ex.
	91-789	Valve guide Ultima® +0.006 ex.
3.	**91-569A**	2.250 x 1.815 Intake valve seat (2.100)
	91-574	2.350 x 1.970 Intake valve seat (2.250)
	91-570A	2.450 x 2.075 Intake valve seat (2.300)
4.	**91-568A**	1.880 x 1.495 Exhaust valve seat (1.700)
	91-571A	1.980 x 1.570 Exhaust valve seat (1.800)
5.	**91-748**	Exhaust valve 1.700 x 4.620
	91-767	Exhaust valve 1.800 x 4.550
6.	**91-747**	Intake valve 2.100 x 4.580
	91-765	Intake valve 2.250 x 4.600
	91-766	Intake valve 2.300 x 4.600
7.	**91-770**	Seal, valve for V2 BT, XL, & TC-88
8.	**91-339**	Ultima® locks, 7 deg
9.	**91-338**	Retainer, steel
	91-340	Retainer, titanium
10.	**91-861**	Conical valve spring, standard
	91-862	Conical valve spring, high performance
11.	**91-337**	Spring seat
12.	**66-242**	Exhaust stud-HD 16715-83
13.	**93-772**	Compression release, 1-13/16 OAL

ULTIMA® DIE CAST ROCKER BOX



PATENT PENDING

89-538

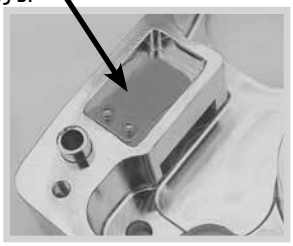


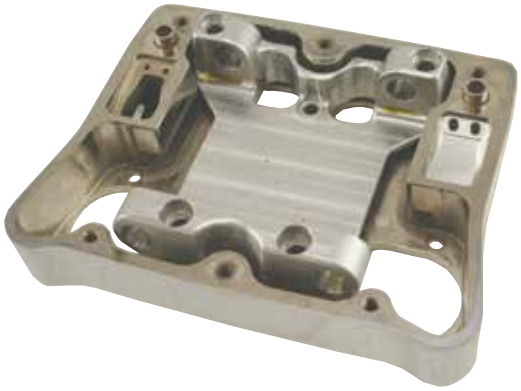
89-516



PVC REED ASSEMBLY

PATENT # US 6,883,505 BI





6

The Ultima® rocker box is the perfect way to set your engine apart from others. With a unique design and chrome plated aluminum, this box will enhance the look of any engine. The Ultima® box uses a patented reed assembly to vent all 1992 & later Evolution® engines. Unlike other designs that can degrade in performance with time, our reed assembly is made from fatigue-resistant stainless steel that will give you consistent, trouble-free performance for as long as you ride your bike.

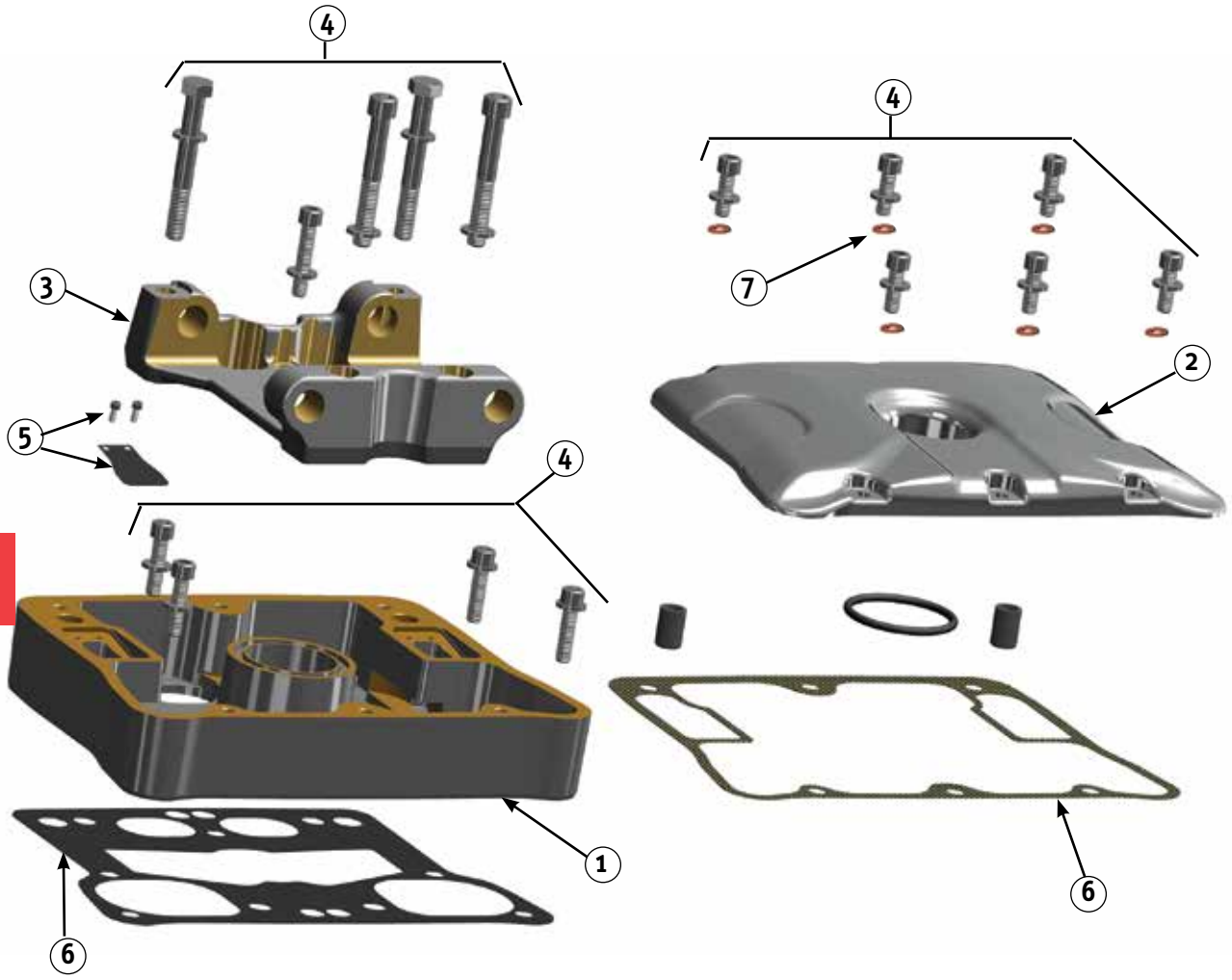
Ultima® offers two versions of this box. The standard box offers classic looks with the versatility to fit on any stock Evolution® or custom engine. Our compression release box comes with all the features the standard box does, plus the added feature of being compatible with the S&S® electric compression release system. Both box sets come with all required mounting hardware and gaskets.

Fits 1992 thru 1999 Evolution® engines.

89-516	Standard Ultima® die cast rocker box set. No hole on top (shown).	SOLD AS SET
89-538	Compression release compatible Ultima® die cast rocker box set.	SOLD AS SET
77-109	Gasket kit for Ultima® (#89-516) rocker box, cast, old style, no center hole.	SOLD AS KIT
77-111	Gasket kit for Ultima® (#89-538) rocker box, cast, new style w/center hole.	SOLD AS KIT

NOTE: ABOVE BOXES SOLD AS SET OF TWO BOXES

ULTIMA® DIE CAST ROCKER BOX COMPONENT LIST



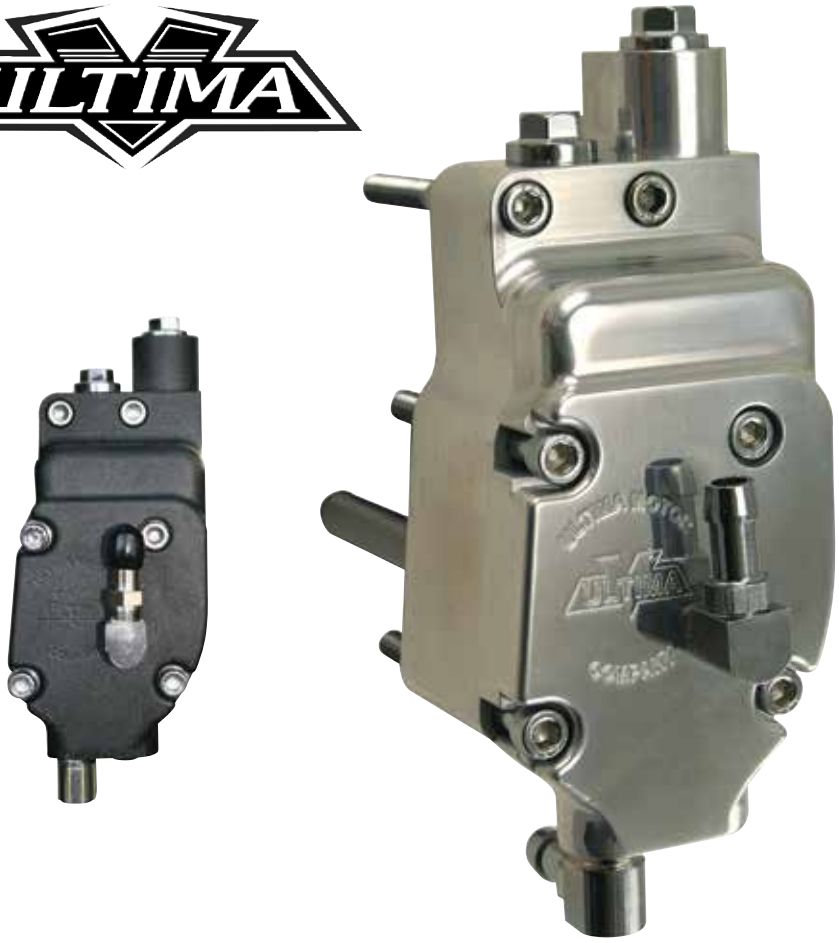
#	Description	Die-Cast Std (no center hole)	Die-Cast Comp Rel (w/center hole)
1	Base	**89-540**	**89-543**
2	Cover	**89-541**	**89-544**
3	Center Section	**89-542**	**89-545**
4	Hardware kit	**89-519**	**89-519**
5	Reed Valve Kit	**89-518**	**89-518**
6	Gasket Kit*	**77-109**	**77-111**
7	Crush Washer, each	**89-436**	**89-436**

*Gasket Kit 77-109 includes Base & Cover Gaskets. 77-108 & 77-111 includes Base & Cover Gaskets and Center O-Ring.

Recommended items not included in kits

91-699 Roller Rocker Arms
91-666 Rocker Arm Shaft (OEM 17611-83)

ULTIMA® 'STANDARD VOLUME' & 'HIGH OUTPUT' OIL PUMPS

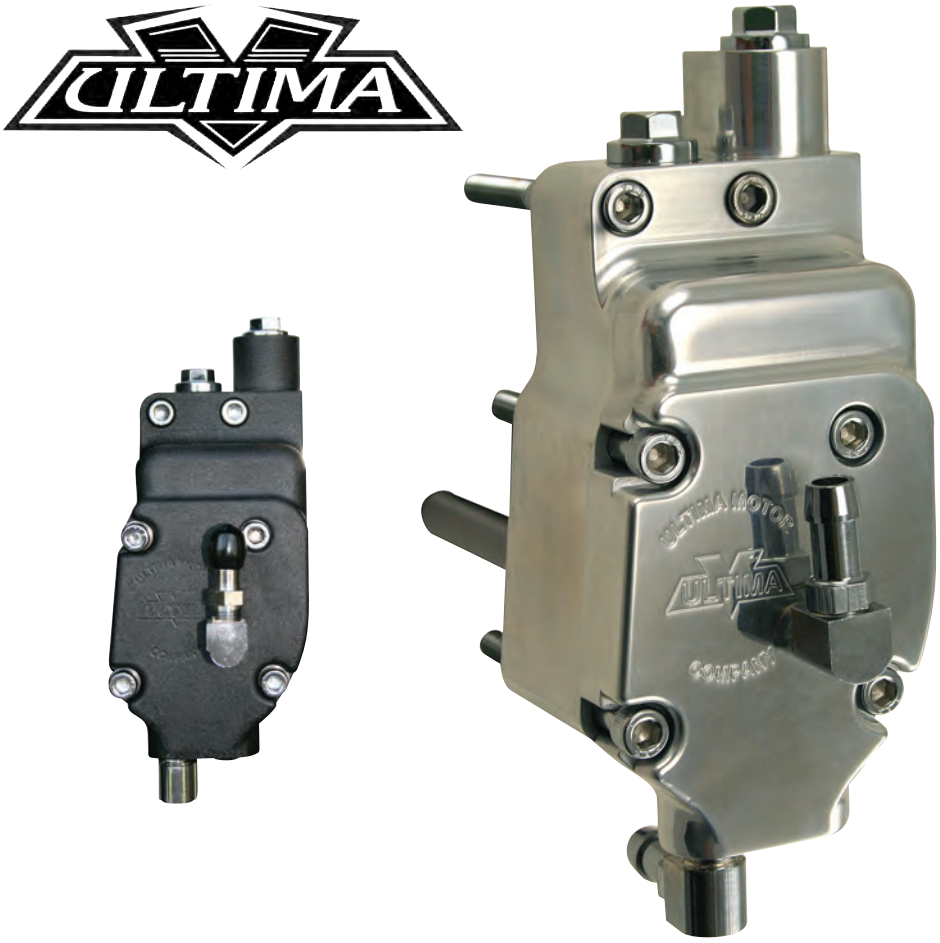


ULTIMA® OIL PUMPS

Ultima® now has its own line of oil pumps including the Ultima® Standard Volume (S.V.) Oil Pump, and the Ultima® High Output (H.O.) Oil Pump. Ultima®'s main focus on the development of the new oil pumps was consistency. Ultima® pumps are checked on a Coordinate Measuring Machine, and flow tested on a test stand to insure the oil pumps are consistent from one pump to the next, and the motor is getting adequate oil. Ultima®'s S.V. pump performs with similar characteristics of the stock pump for volume and pressure. The H.O. pump has a much greater potential for pressures and volume. Unlike stock oil pumps which won't start feeding the bottom end oil until 2000+ RPM, tests show the H.O. Pump will feed the bottom end at idle speeds, and keep a consistent flow throughout the R.P.M range to keep from floating bottom end bearings. Bottom line, you are getting a precise pump that you can be confident in. Check fitting for Baggers due to master cylinder.

98-515	92'- later Standard Volume Pump, polished.
98-516	84'-91' Standard Volume Pump, polished.
98-517	92'- later High Output Pump, polished.
98-518	84'-91' High Output Pump, polished.
98-519	84'-91' High Output Pump, wrinkle black.
98-520	92'- later High Output Pump, wrinkle black.

ULTIMA® 'STANDARD VOLUME' & 'HIGH OUTPUT' OIL PUMPS

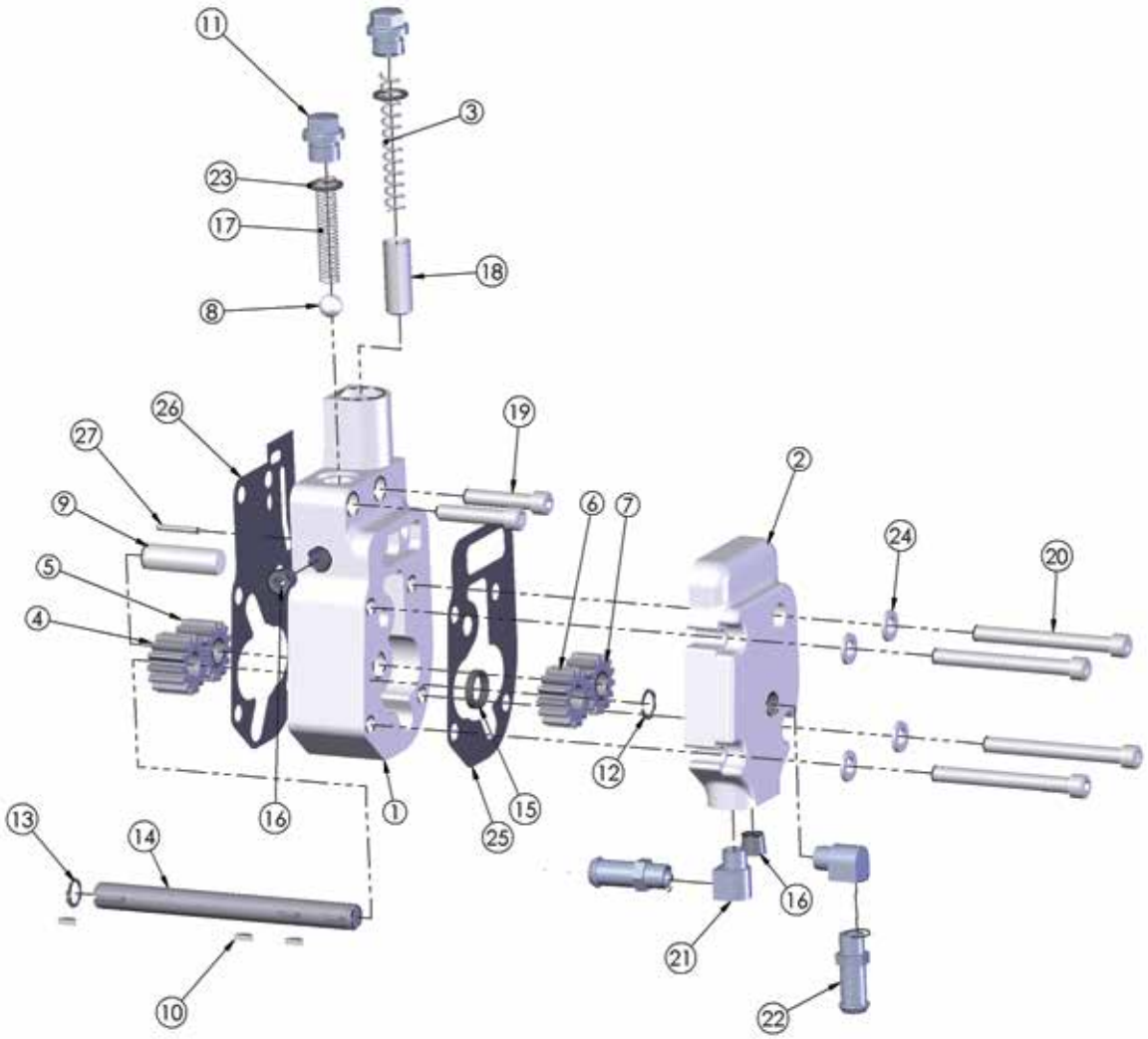


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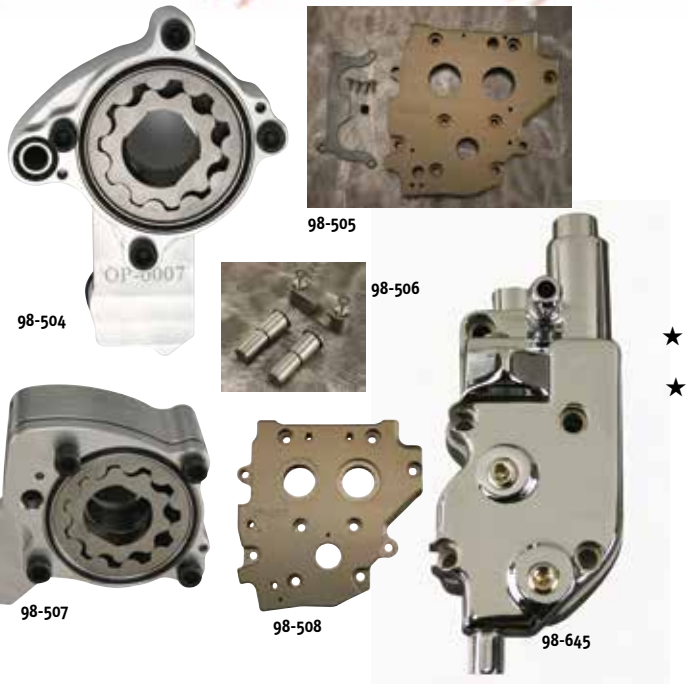
98-515	92'- later Standard Volume Pump, polished.
98-516	84'-91' Standard Volume Pump, polished.
98-517	92'- later High Output Pump, polished.
98-518	84'-91' High Output Pump, polished.
98-519	84'-91' High Output Pump, wrinkle black.
98-520	92'- later High Output Pump, wrinkle black.

ULTIMA® 'STANDARD VOLUME' OIL PUMPS



1	**98-610**	PUMP BASE, 92' & LATER
	98-608	PUMP BASE, 84'-91'
2	**98-611**	PUMP COVER, 92' & LATER
	98-609	PUMP COVER, 84'-91'
3	**98-619**	PLUNGER SPRING
4	**98-613**	SUMP DRIVE GEAR
5	**98-614**	SUMP IDLE GEAR
6	**98-615**	FEED DRIVE GEAR
7	**98-616**	FEED IDLE GEAR
8	**98-617**	CHECK BALL
9	**98-618**	IDLER PIN
10	**98-272**	KEY(3)
11	**41-888**	SPRING CAP(2)
12	**98-325**	SNAP RING
13	**98-329**	CLIP RING
14	**98-334**	DRIVE SHAFT
15	**95-753**	OIL SEAL
16	**98-622**	PRESSURE PLUG(2)
17	**98-620**	CHECK BALL SPRING
18	**98-623**	PLUNGER
19	**41-740**	HARDWARE KIT (SHCS 0.25-20X1.25X1.25-N)
20	**41-740**	HARDWARE KIT (SHCS 0.25-20X2.55X1-N)
21	**21-185**	SPIGOT ELBOW(2)
22	**21-440**	SPIGOT TUBE(2)
23	**95-828**	O-RING(2)
24	**41-740**	HARDWARE KIT (FW 0.25(4))
25	**78-398**	COVER GASKET, 92' & LATER (Pkg of 10)
	78-398A	COVER GASKET, 92' & LATER (Sold ea.)
	78-397	COVER GASKET, 84'-91' (Pkg of 10)
	78-397A	COVER GASKET, 84'-91' (Sold ea.)
26	**78-396**	BASE GASKET, 92' & LATER (Pkg of 10)
	78-396A	BASE GASKET, 92' & LATER (Sold ea.)
	78-395	BASE GASKET, 84'-91' (Pkg of 10)
	78-395A	BASE GASKET, 84'-91' (Sold ea.)
27	**98-624**	CHECK BALL RETAINING PIN

NOTE* ONLY 1 HARDWARE KIT (#41-740) IS NEEDED PER OIL PUMP.



OIL PUMPS

Billet oil pump for Twin Cam®. Made from billet aluminum, 40% increase in feed volume & 60% increase in scavenging volume. Comes complete with all necessary hardware and gaskets included. SOLD EACH

98-504 Twin Cam 88™ high flow oil pump, 1999-2006. OEM 26035-99A.
98-505 Twin Cam® oil pump gear drive backing plate.
98-506 Tensioner pins & guide tower. Adapts #98-505 to chain drive system. Fits 1999-06 Twin Cams®, except '06 Dyna®.
★ **98-507** Twin Cam® high flow oil pump, 2007-2012. OEM 26037-06. NEW!
★ **98-508** Twin Cam® oil pump backing plate, 2007-2012.

Forged chrome or polished oil pumps for Big Twin. Comes complete with all necessary hardware and gaskets included. SOLD EACH

98-640 Big Twin oil pump 1936-1972, polished.
98-641 Big Twin oil pump 1973-1991, polished.
98-642 Big Twin oil pump 1992-2000, polished.

98-643 Big Twin oil pump 1936-1972, chrome.
98-644 Big Twin oil pump 1973-1991, chrome.
98-645 Big Twin oil pump 1992-2000, chrome.

6

A. HEAD BOLT COVERS



41-908 41-906

ALL PARTS CHROME PLATED

Set of 4 chrome plated head bolt covers with set screws. SOLD AS SET

41-906 Acorn. Fits Evolution® models late 1985 & later. Colony.
41-908 Cap nut. Fits Evolution® models late 1985 & later. Colony.

B. HEAD BOLT COVERS FOR EVOLUTION®



Chrome die cast covers for the head bolt and spark plugs which are held in place by a hi-temperature rubber grommet.

89-402 For Evolution® Big Twin 1986 & later. SOLD AS SET

C. HEAD BOLT KITS



93-421 41-766 41-111 CHROME PLATED

These head bolt, head nut, and washer kits are the highest quality available. They are accurately machined from high strength steel and hardened to original H-D® specification to prevent stretching. All bolts feature rolled threads for superior strength and fit. All bolts, nuts, and washers are plated for corrosion resistance and clean appearance.

SOLD AS SET

93-420 For Knuckle 1940 thru 1947 with washers. Cad plated.
93-421 For Pan & Shovel, 1948 thru 1984 with washers. Cad plated.
41-987 For Pan & Shovel, 1948 thru 1984 with washers. Chrome plated.
41-766 12 Point head bolt & washer kit for big bore Pan & Shovel, 1948 & later.
41-398 Heat treated head bolt washers fit all H-D® except aluminum flathead models. Cad plated.
41-110 For Big Twin 1985 thru 1991 and XL 1986 thru 1992. OEM 16480-85A & 16478-85A. Twelve point style. Polished & chrome plated.
41-111 For Big Twin 1992 & later and XL 1993 & later. OEM 16480-92 & 16478-85A. Polished.
41-112 For Big Twin & XL, 1984 thru 1991. OEM 16482-85. Chrome plated. washers. SOLD AS KIT

A. *CHROME CYLINDER BASE COVER*

These chrome cylinder base covers add a beautiful chrome finish to the left side of the engine. Easy to install & all necessary mounting hardware is included. Comopliments both silver or black engine finishes.

89-692 Chrome cylinder base cover for XL models 04'-later, OEM#32729-07. SOLD AS KIT

A



B. *POP-OFF COMPRESSION RELEASE*

Too much compression to easily start that beast? Here's the answer! Allows motor to spin easily — once it fires, the release pops off. 10mm x 1.0 Pitch. Push in cap, start motor. Once the motor starts, the compression release automatically pops off.

93-772 1-13/16" O.A.L. Has delayed pop-off rate for large displacement motors. SOLD EACH

B



ZINC PLATED

C. *ROCKER BOX END COVERS*

Rocker box end covers fits 86'-03' EVO, hardware included.

89-699 Rocker box end cover set. SOLD AS SET

C



D. *DIE CAST ROCKER COVER SET*

Die cast rocker covers give the custom looks of the high priced models without the expense. Unique breather valve flap is built into the O-ring that seals top and bottom covers for 1993 & later models. Internal rocker arm clearance accepts cams to .800" Set includes top & bottom covers, rocker shaft bases, gaskets, O-rings and hardware. Show chrome finish.

89-496 Use on Big Twin & Sportster® V2 models. SOLD AS SET

77-443 Gasket set for above rocker cover set part No. **89-496**. Includes two kits. SOLD AS KIT

89-436 Copper crush washers SOLD AS PKG

D



CHROME PLATED

E. *TWIN CAM® ROCKER BOXES*

Die cast two-piece aluminum rocker box kit. Includes top cover, lower cover, inner rocker arm carrier, gaskets & hardware. Fits Twin Cam® models 1999-up. SOLD AS KIT

89-335 Chrome rocker box kit.

89-336 Polished rocker box kit.

77-446 Replacement gasket kit for **89-335** & **89-336**.

E



89-335

F. *SPORTSTER® OEM STYLE ROCKER BOXES*

Chrome OEM style rocker box sets. Include gaskets and hardware.

SOLD AS SET

89-332 Chrome rocker boxes, fits XL models 1991-2003.

89-331 Chrome rocker boxes, fits XL models 2004-2006.

89-330 Chrome rocker boxes, fits XL models 2007-up.

F

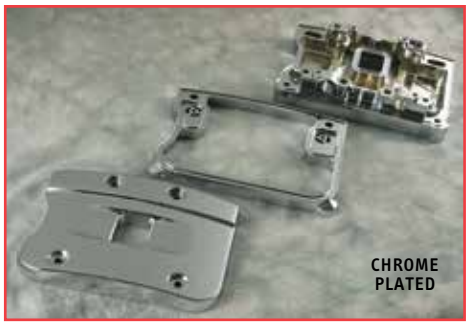


89-332

89-331

6

A





89-416

FINNED



6

B



C



CHROME
PLATED

D



RED CAP NUTS WITH
CHROME PLATED STEEL

E



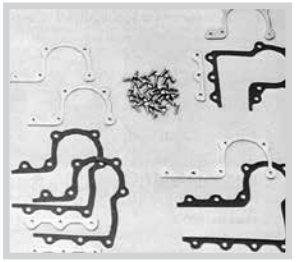
41-418



41-896

CHROME PLATED

F



COLONY

A. *ROCKER BOX COVER ASSEMBLIES FOR EVOLUTION® BIG TWIN & SPORTSTER®*

BIG TWIN 1984 THRU 1992

Complete rocker cover assembly for 1984 thru 1992 Big Twins. (Order two per engine.) Chrome plated. Includes gaskets.

89-373 Complete rocker cover assembly, top, middle and bottom. SOLD EACH

89-416 Bolt kit for Evolution® rocker boxes. Grade 8 bolts. Includes hardware to bolt down front and rear covers. Plain metal. SOLD AS KIT

89-351 Top cover. OEM 17528-84A. SOLD EACH

89-374 Middle spacer. OEM 17510-84. SOLD EACH

89-375 Bottom rocker carrier. OEM 17530-84B. SOLD EACH

BIG TWIN 1993 THRU 1998

Complete rocker cover assembly for 1993-1998 Big Twins. (Order two per engine.) Will fit 1984 thru 1992 models to upgrade to late umbrella style seal rocker covers. Includes all necessary gaskets for lower cover, rubber style middle & upper gaskets, and fasteners with washers to secure upper cover. Chrome plated.

89-450 Complete rocker cover assembly, top, middle and bottom. SOLD EACH

89-416 Bolt kit for Evolution® rocker boxes. Grade 8 bolts. Includes hardware to bolt down front and rear covers. Plain metal. SOLD AS KIT

B. *ROCKER ARM COVERS FOR ALL SHOVEL*

With the use of included stud spacers, these covers can be used on both 1966 thru 1981 and 1982 & later models. Replaces OEM 17516-77B, 17517-77B, 17518-80, 17519-80, 17550-80 and 17552-80.

89-344 Chrome plated rocker arm covers and pair of chrome plated stud spacers. SOLD AS SET

89-389 Polished rocker arm covers.

Hardware kit includes 18 hex nuts & 18 flat washers. Replaces OEM 7753 and 6016.

40-318 Colony kit. Chrome plated. SOLD AS KIT

C. *KNUCKLE NUT SET*

Duplicate of original Harley® parts except for the addition of a positive O-ring seal to prevent oil leakage. 4 Nuts & seals.

41-349 For 1936 thru 1947. SOLD AS SET

D. *ROCKER SHAFT NUTS*

Replaces stock OEM 7872 plastic cap nut. The plastic part of the nut is red and the steel is chrome plated. 7/16 - 20.

41-420 Red cap nut SOLD AS PKG. OF FOUR

E. *ROCKER SHAFT CAP NUT & WASHER*

This item replaces the stock red-dot nuts, eliminates the chance of the "red plastic" breaking or cracking off.

41-418 Left side of rocker shafts, 4 nuts & 4 washers. OEM 7872. For Shovel & Sportster®, all years. SOLD AS SET

41-896 O-ring side of rocker box. For Shovel 1971 & later and Sportster® 1971 thru 1984.

F. *ZINC PLATED KNUCKLE NUT STRIP SET*

Contains 8 threaded nut strips, 8 gaskets and 34 chrome plated screws.

89-65 For 1936 thru 1947. SOLD AS SET

A. *ROLLER ROCKER ARMS FOR EVOLUTION® AND ULTIMA® ENGINES*

Made from 4140 steel forgings, our new rocker arms are the strongest on the market today. These new arms incorporate a 1.675 ratio for increased lift and will match our Ultima® heads perfectly. A best value product. Uses OE rocker shafts. SOLD AS SET of FOUR

91-699 Fits Ultima® engines & 1984-later Evolution® Big Twin & XL engines. Also fits 1999-later Twin Cam® engines. 1.675 ratio.

B. *ROLLER ROCKER ARMS FOR EVOLUTION® & SHOVEL*

By popular demand, Jims introduces roller rocker arms for Shovel & Evolution®. Designed to reduce friction in the valve train, providing more horsepower and less heat in the top end. Cast from 4340 chrome moly steel and heat treated. Jims Roller Rockers feature a 660 bronze bushing fit to .0007" - .0012" for the best wear resistance and oil control, along with a roller tip made from bearing grade material to reduce valve guide wear and valve tip galling. Other features include a segmented parabolic pushrod cup which reduces friction at pushrod end and also puts the load on the outer perimeter of pushrod ends. Set of four roller rockers. For use with OEM 17611-66B rocker arm shafts, or equivalent. SOLD AS KIT

91-839 Stock ratio 1.43. Fits Shovel Big Twin 1966 thru 1984. Replaces OEM 17360-66. For use with OEM 17611-66B rocker arm shafts or equivalent.

C. *VALVE SPRING KIT FOR ULTIMA® ENGINES*

Listed below are the parts our kit includes:

PART NO.	DESCRIPTION	
91-746	Valve springs.	SET OF 4
91-745	Valve keys 10° with lash caps.	SET OF 8
91-250	Lower valve collar.	SET OF 4
91-251	Upper valve collar 10°.	SET OF 4

91-758 Valve spring kit for Ultima® engine. SOLD AS KIT

D. *V THUNDER VALVE LOCKS*

91-802 Super locks with lash cap recess for Pan & Shovel 1948 thru 1984. 10° Angle, 3/8" valve stem size. SOLD AS SET

E. *.500" LIFT KIT FOR SPORTSTER® EXCEPT EVOLUTION®*

This .500 Lift Kit for Sportster® (except Evolution®) features stock o.d. springs, interference fit to reduce harmonics and control spring surge. No machining required for installation. Springs have 20% more pressure than stock. Use with stock lift cams and high lift cams to .500.

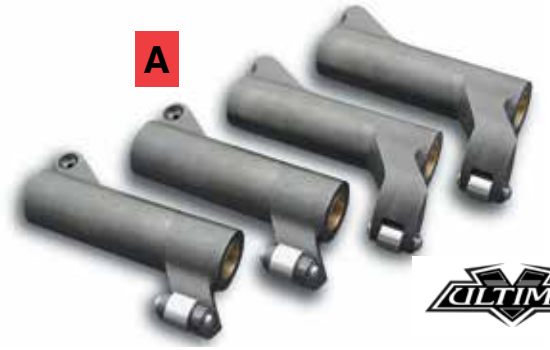
Combined loads: 90 @ 1.310; 300 @ .810. Coil bind: .750. Recommended cam lift: stock to .500.

91-223 .500 Lift kit for Sportster® (except Evolution®) SOLD AS KIT with top collars and valve keys part No. **91-243**. Use your stock lower collars.

F. *PERFORMANCE VALVE SPRINGS FOR BIG TWIN*

Combined loads: 100 @ 1.450, 280 @ 1.000. Coil bind: .910. Recommended cam lift: stock to .465.

91-335 Inner springs for Big Twin. SOLD AS SET OF 4
91-334 Outer springs for Big Twin.







91-746



91-745



91-251



91-250







MANLEY

6

A



A. VALVE SPRINGS for 1340cc EVOLUTION® BIG TWIN AND 883cc & 1200cc EVOLUTION® SPORTSTER®

Combined loads: 170 @ 1.800, 360 @ 1.250. Coil bind: 1.150. Recommended cam lift: Stock to .550.

91-544 Outer springs for above listed Evolution® models. SOLD AS SET OF 4

91-545 Inner springs for above listed Evolution® models.

B



91-758

B. VALVE SPRING KIT FOR EARLY MODEL ULTIMA® ENGINES

The same high quality spring kits used in our Ultima® engines, these kits feature chromoly collars and spring seats, 10° locks and high silicone wire springs.

Installed height:	1.850 @ 160lb.
Coil bind:	1.050
Max recommended lift:	.700
Spring O.D.	1.460

91-758 Valve spring kit for Ultima® engine. SOLD AS KIT

6

C



91-338



91-861



91-337

C. BEEHIVE VALVE SPRING COMPONENTS FOR LATE MODEL ULTIMA® ENGINES

PART NO.	DESCRIPTION	
91-861	Valve spring - std install ht, 1.850	SOLD EACH
91-862	Valve spring - HP, install ht, 1.800	SOLD EACH
91-339	Ultima® valve lock	SOLD AS PAIR
91-337	Spring seat.	SOLD EACH
91-338	Ultima® chromoly retainer.	SOLD EACH
91-340	Ultima® titanium retainer.	SOLD EACH

V THUNDER VALVE SPRING KITS FOR EVOLUTION® BIG TWIN 1984 & LATER

The V-Thunder™ high performance valve spring kits are engineered for maximum performance in severe service applications such as high compression, big inch motors. These kits come in a variety of ranges and include locks, retainers, and spring seats that are custom fit to provide positive location to prevent the spring from "dancing' around on the cylinder head which can create harmful harmonics and excessive wear.



91-822





91-826

91-825

KITS INCLUDE SPRING LOCKS, RETAINERS AND LOWER SEATS.

PART NO.	DESCRIPTION	O.D. / I.D.	PRESSURE @ CHECK HEIGHT	PRESSURE @ OPEN HEIGHT	COIL BIND HEIGHT	WITH TYPE OF RETAINERS
91-822	Good street & performance spring to .600" lift.	1.460" / .700"	Lbs. - 160/ In. - 1.850"	Lbs. - 440/ In. - 1.250"	1.200"	chromemoly
91-823	Good street & performance spring to .600" lift.	1.460" / .700"	Lbs. - 160/ In. - 1.850"	Lbs. - 440/ In. - 1.250"	1.200"	titanium
91-824	Super springs. Excellent street & performance spring to .675" lift.	1.510" / .745"	Lbs. - 184/ In. - 1.850"	Lbs. - 422/ In. - 1.280"	1.080"	chromemoly
91-825	Super springs. Excellent street & performance spring to .675" lift.	1.510" / .745"	Lbs. - 184/ In. - 1.850"	Lbs. - 422/ In. - 1.280"	1.080"	titanium
91-826	For race applications to .675" lift.	1.540" / .725"	Lbs. - 195/ In. - 1.900"	Lbs. - 515/ In. - 1.250"	1.175"	titanium
91-827	For race applications to .700" lift.	1.550" / .710"	Lbs. - 230/ In. - 1.875"	Lbs. - 700/ In. - 1.200"	1.175" 1.100	titanium

SOLD AS KIT

MANLEY SPRING KITS & PARTS

Each Manley Spring Kit is attractively skin packaged and clean storage. Kits requiring special machining operations include complete instructions. Every kit is engineered with interference fit, reverse wound springs to reduced harmonics and control spring surge. Manley has introduced "K" series spring kits which include Manley chrome moly heat treated keys correctly matched to the top collars.

A. .500 - .600 LIFT KIT FOR SHOVEL

The .500 - .600 Lift Kits for Big Twin features a special tri-spring (outer/intermediate/inner) interference fit to reduce harmonics and control spring surge. Installation tool (not included) is required for installation. Additional machining is required to lower the height of the valve guide to avoid interference with the top collar. Springs have more pressure than stock and can be used with .500 lift or .600 lift cams.

Combined loads: 180 @ 1.600; 320 @ 1.100; 360 @ 1.000. Coil bind: .930. Recommended cam lift: .500 - .600.

91-534 .500 - .600 Lift kit for Big Twins with titanium collars and valve keys part No. **91-244**. SOLD AS KIT

B. .465 LIFT KITS FOR SHOVEL

These .465 Lift Kits for Big Twin don't require cylinder head machining for installation. Do not exceed .465 lift due to the potential high stress on the springs. Kits include valve keys part No. **91-244**. Use your stock lower collars.

Combined loads: 150 @ 1.450; 300 @ 1.000. Coil bind: .950. Recommended cam lift: stock to .465. SOLD AS KIT

91-652 .465 Lift kit for Big Twin with steel top collars.

C. STOCK TO .600 LIFT KIT FOR ALL MODELS EVOLUTION®

These .600 Lift Kits do not require cylinder head machining for installation. Manley strongly suggests the use of titanium top collars on applications exceeding .500 lift, as they provide increased strength and reduced inertia mass. Kits include valve keys part No. **91-536**. Use your stock lower collars.

Combined loads: 170 @ 1.800; 380 @ 1.200. Coil bind: 1.150. Recommended cam lift: Stock to .600.

91-542 Stock to .550 lift kit for all Evolution® models, with steel top collars. SOLD AS KIT

91-543 Stock to .650 lift kit for all Evolution® models, with titanium top collars.

D. .495 LIFT KIT FOR SHOVEL

This .495 Lift Kit for Big Twin doesn't require cylinder head machining for installation. This kit is supplied with lower collars which allow additional spring travel as compared to the stock collars and provides this kit with the ability to accept camshafts up to .495 lift.

Combined loads: 140 @ 1.480; 300 @ 1.000. Coil bind: .950. Recommended cam lift: stock to .500.

91-653 .495 Lift kit for Big Twin with titanium top collars and valve keys part No. **91-244**. SOLD AS KIT



MANLEY





91-542



MANLEY



E. STREET MASTER VALVE TRAIN COMPONENT KITS

Manley engineers have assembled two complete valve train packages. They include Manley's Street Master valves, performance double spring assemblies, steel top collars and machined keys perfectly matched for maximum performance. The spring assemblies included in these kits require no cylinder head machining for installation. Perfectly matched parts at the perfect price! **NOTE:** Lower collars Shovel kit only. SOLD AS KIT

91-650 Component kit for Shovel 74" & 80", 1966 thru 1979 with cams up to .495 lift.

91-763 Component kit for Shovel 74" & 80", 1980 thru 1984 with cams up to .495 lift.

91-651 Component kit for Evolution® 80", 1984 & later with cams up to .550 lift.

91-764 Component kit for Evolution® 80", 1984 & later with cams .550 - .650 lift.

A



B



C



91-536

CHROME MOLY MATERIAL



91-243

D



E



91-363



91-540



91-538

A. *ANDREWS VALVE SPRINGS & UPPER COLLARS FOR EVOLUTION®, TWIN 88, BIG TWIN & SPORTSTER®*

High lift springs for Evolution® engines, Twin 88, Big Twin & Sportster®. Can easily accommodate cam lifts of .550+. Installation does not require machining of heads.

91-537 Four inner and four outer valve springs. (collars not included) SOLD AS KIT

B. *LOWER COLLARS*

Manley lower collars are not just cheap knock-offs of stock pieces but re-engineered to offer installation advantages and years of trouble-free service. Manufactured of specially heat treated chrome moly material and black oxided, Manley lower collars complement H-D® OEM, many aftermarket and Manley spring kits perfectly.

91-655 For 1957 thru early 1983 Sportster®. Stock spring travel. SOLD AS SET OF 4

91-656 For 1957 thru early 1983 Sportster®. +.060 Spring travel.

91-657 For 1948 thru early 1979 Pan/Shovel. Stock spring travel.

91-658 For 1948 thru early 1979 Pan/Shovel. +.030 Spring travel.

91-659 For 1984 & later all Evolution® models. Stock spring travel.

C. *VALVE KEYS*

Manley valve keys are machined from special chrome moly material, not stamped like many of the imports. Each keeper is heat treated and black oxided to a beautiful finish for attractive appearance and long wear. Designed for perfect compatibility with stock, Manley or most aftermarket top collars.

91-243 Fits Sportster®. OEM 18228-30. SOLD AS SET OF 4 PAIR

91-244 Fits 74" & 80" Shovel. OEM 18228-36.

91-536 Fits 80 C.I. Evolution® 1983 & later. OEM 18229-83.

D. *VALVE COLLARS*

Machined from premium aluminum alloy for lightness & strength. Pent roof design. Includes 4 collars.

91-269 For H-D® 74" & 80". Utilizes stock keepers. SOLD AS SET

E. *ANDREWS VALVE SPRINGS, UPPER & LOWER COLLARS FOR 74" & 80" SHOVEL*

Andrews' springs & collars are designed for easy installation and maximum reliability.

High lift springs will provide correct spring force for any of Andrews' performance cams. Installation does not require complicated machining.

91-363 Four high lift valve springs. SOLD AS SET

These high lift upper spring collars, for use with high lift springs above, can easily accommodate cams with .600 lift. Made from T6 aluminum, collars are light weight, hard coated and very strong.

91-538 Four high lift upper spring collars. SOLD AS KIT

These medium lift upper spring collars are intended for stock and will add approximately .060" spring travel with no other modifications. This is the easy way to install Andrews' B or No. 2 cams with stock Shovel heads.

91-539 Four medium lift upper collars. SOLD AS KIT

Low profile lower spring collars are similar to stock 1980 style parts but are lower profile for easier installation of higher lift cams. They are required parts if you are using 1980 style valve guides which utilize "K" line stem seals. Material is heat treated steel.

91-540 Four low profile lower collars. SOLD AS KIT

MANLEY ONE-PIECE STAINLESS STEEL VALVES

Manley one-piece stainless steel valves are designed to outflow stock valves. The Street Master valves feature stainless steel materials and hard chrome stems. The Severe Duty valves come finished in either chrome or nitride to eliminate galling. Practically impervious to heat and they weigh up to 30% less than stock valves.



ALL VALVES SOLD EACH

MODEL	YEAR	SEVERE DUTY **CHROME** PART NO.	SEVERE DUTY **NITRIDE** PART NO.	STREET MASTER PART NO.	TYPE	HEAD DIA.	STEM DIA.	OEM NO.
Big Twin	1966/1984	**91-220**	**91-588**	**91-647**	Intake.	1-15/16 Stock	.3765 stock	18074-66
Big Twin	1948/1984	**91-221**	**91-589**	**91-646**	Exhaust.	1-3/4 stock	.3745 stock	18082-57
Big Twin	1948/1965	**91-222**	—	—	Intake.	1-3/4 stock	.3765 stock	18071-48
Evolution® 1340cc 80"	1984 & later	**91-225**	**91-660**	**91-648**	Exhaust.	1.615 stock	.3095 stock	18082-83
Evolution® 1340cc 80"	1984 & later	**91-619**	—	—	Exhaust.	1.650 o.s.	.3095	
Evolution® 1340cc 80"	1984 & later	**91-620**	—	—	Intake.	2.000 o.s.	.310	
Evolution® 1340cc 80"	1984 & later	**91-226**	**91-661**	**91-649**	Intake.	1.850 stock	.310 stock	18074-83
Sportster®	1958/1984	**91-217**	—	—	Exhaust.	1-9/16 stock	.3385 stock	18080-58A
Sportster®	1970/1984	**91-218**	—	—	Intake.	1-15/16 stock	.309 stock	18070-70
Sportster®	1958/1969	**91-219**	—	—	Intake.	1-13/16 stock	.309 stock	18070-58
Sportster® 883cc	1986 & later	**91-606**	—	—	Intake.	1.585 stock	.3105 stock	18031-86
Sportster® 883cc	1986 & later	**91-607**	—	—	Exhaust.	1.345 stock	.3095 stock	18030-86
Sportster® 1200cc	1988 & later	**91-616**	—	—	Intake.	1.715 stock	.3105 stock	18023-87
Sportster® 1200cc	1988 & later	**91-615**	—	—	Exhaust.	1.480 stock	.3095 stock	18024-87

BLACK MELONITE VALVES FOUND ON THE NEXT PAGE

HARD CHROME VALVES

ALL VALVES SOLD EACH

MODEL	YEAR	PART NO.	TYPE	HEAD DIA.	STEM DIA.	OEM NO.
XL Sportster®	1970/1984	**91-6**	Intake.	1-15/16"	.3094/.3099	18070-70
Evolution® Sportster® 883cc	1986 & later	**91-91**	Intake.	1.58/1.59	.3102/.3108	18031-86
Evolution® Sportster® 1100cc	1987 only					
XL Sportster®	1958/1984	**91-7**	Exhaust.	1-9/16"	.3388/.3393	18080-58A



BLACK MELONITE VALVES

U.S.A. MADE valves. Top techniques and quality control measures guarantee the dimensional integrity of each part.

MODEL	YEAR	PART NO.	TYPE	HEAD DIA.	STEM DIA.	OEM NO.
Evolution® Sportster® 883cc	1986 & later	**91-99**	Intake.	1.58/1.59	.3102/.3108	18031-86

ALL VALVES SOLD EACH

ALL VALVES SOLD EACH

BLACK DIAMOND® VALVES

MODEL	YEAR	NO.	PART TYPE	DIA.	HEAD DIA.	STEM OEM NO.
Shovel	1966/1984	**91-700**	Intake.	1.950"	.3765	18074-66
Shovel	1966/1984	**91-701**	Exhaust.	1.750"	.3747	18082-57
Evolution® 1340cc 80"	1984 & later	**91-702**	Intake.	1.84"	.310	18074-83A
Evolution® 1340cc 80"	1984 & later	**91-703**	Intake, o.s.	1.94"	.310	N/A
Evolution® 1340cc 80"	1984 & later	**91-704**	Exhaust.	1.615"	.3096	18082-83
Evolution® 1340cc 80"	1984 & later	**91-705**	Intake.	2.000"	.310	



NOTE: Extra long stem and o.s. head.



A. *VALVE GUIDE SEALS*

These valve guide seals are the latest in modern engine technology. Fluoro-viton seals feature a garter spring on the sealing lip for continuous positive sealing of the valve stem area. These are the same parts used in our Ultima® built motors. These seals don't just wipe the stem, they seal it. Nothing but the best!

91-770	Use on all V2 Big Twin & XL, and Twin Cam 88™. .310 x .420. Seal cut to .420.	SOLD EACH
91-771	Use on 1979 thru 1984 Shovel. .375 x .625. Seal cut to .625.	

B. *AMPCO 45 VALVE GUIDES*

	INTAKE	SIZE	EXHAUST
74" 1948/1979	—	Std.	**91-724**
	91-707	.002	**91-725**
	91-708	.004	**91-726**
	91-709	.006	**91-727**
	91-710	.025	**91-728**
	INTAKE	SIZE	EXHAUST
80" 1980/1984	**91-711**	Std.	**91-729**
	91-712	.002	**91-730**
	91-713	.004	**91-731**
	91-714	.006	**91-741**
	91-715	.025	**91-732**

ALL VALVE GUIDES SOLD EACH

C. *PRECISION MACHINING CAST IRON VALVE GUIDES FOR EVOLUTION®*

	INTAKE	SIZE	EXHAUST
Evolution® Big Twin & Sportster®	—	Std.	**91-733**
	91-717	.001	**91-734**
	91-718	.002	**91-735**
	91-719	.003	**91-736**
	91-720	.004	**91-737**
	—	.006	**91-739**
	91-723	.010	**91-740**

ALL VALVE GUIDES SOLD EACH

D. *INSTALLATION TOOL FOR VALVE GUIDE SEAL & SLEEVE*

This tool is used for installing valve guide seal & sleeve.

97-42	Used on XL & 80" Shovel. I.D. .530, O.D. .625.	SOLD EACH
97-43	Used on 74" Shovel & Evolution®. I.D. .411, O.D. .562.	

VALVE GUIDES

ALL VALVE GUIDES SOLD EACH

Each part is "hand-honed" to finished inside diameter and inspected . Outside diameter is ground "between centers" which insures concentricity. Each part is clearly identified to facilitate customer storage, disbursement, and usage.

BRONZE - NICKEL - ALUMINUM - AMPCO 45

	INTAKE	SIZE	EXHAUST
74" 1948 Thru 1979	**91-372**	Std.	—
	—	.001	**91-379**
	91-374	.002	**91-380**
	—	.003	—
	91-376	.004	**91-382**
	—	.006	**91-383**

	INTAKE	SIZE	EXHAUST
80" 1979 Thru 1984	**91-355**	Std.	**91-356**
	—	.001	**91-237**
	—	.002	**91-358**
	—	.004	**91-386**
	—	.006	—

	INTAKE / EXHAUST SAME	SIZE
V-2 Evolution® Engine	**91-388**	Std.
	91-389	.001
	91-390	.002

	INTAKE	SIZE	EXHAUST
Sportster® 1957 Thru 1982	**91-393**	Std.	**91-397**
	91-395	.001.	**91-399**
	91-394	.002	—

	INTAKE	SIZE	EXHAUST
Sportster® 1983 Thru 1985	—	.003	—

CAST IRON

	INTAKE / EXHAUST SAME	SIZE
45" Flathead 1932 Thru 1972	**91-490**	Std.

	INTAKE	SIZE	EXHAUST
61" & 74" Knuckle 1936 Thru 1947	**91-481**	Std.	—
	—	.002	**91-486**

	INTAKE	SIZE	EXHAUST
Sportster® 1957 Thru 1982	**91-430**	Std.	**91-436**
	91-431	.001	**91-437**
	91-432	.002	**91-438**

	INTAKE	SIZE	EXHAUST
61" & 74" OHV 1948 thru 1979	**91-442**	Std.	**91-449**
	91-443	.002	**91-450**
	91-444	.004	**91-451**
	91-445	.006	**91-452**

	INTAKE	SIZE	EXHAUST
80" OHV 1979 Thru 1984	—	.006	**91-466**

	INTAKE	SIZE	EXHAUST
80" Evolution® Big Twin, Evolution®	**91-471**	Std.	**91-476**
	91-472	.001	**91-477**
	91-473	.002	**91-478**

A. ULTIMA® ADJUSTABLE PUSHROD KIT FOR TWIN CAM®

Ultima® Adjustable pushrod kit. Fits 1999-2013 Harley Twin Cam®. Complete kit. No rocker box disassembly needed. 24 pitch threads, starting point 3 full turns from lowest point of the cam on the push rod you are adjusting.

91-448 Adjustable pushrod kit, Twin Cam®. SOLD AS KIT

B. EVOLUTION® PUSHROD TUBE KIT

91-775 Complete pushrod cover kit for one pushrod only. Fits 1984-up EVO's. Each kit contains all parts necessary to replace one entire pushrod cover. Four kits needed for an entire motor. SOLD AS KIT

A



B



A



COLONY

CHROME PLATED

B



PLAIN METAL

C



PLAIN STYLE

COLONY

6

D



JIMS

E



A. *REPLACEMENT UPPER PUSHROD COVER KITS (OUTER)*

Each kit contains 4 chrome plated retaining clips, 4 chrome plated cups, 4 springs, 4 cork gaskets, and 4 steel washers. These are exact duplicates of the H-D® part.

89-63 For Knuckle 1936 thru 1939 (2" long clips). SOLD AS SET
89-61 For Sportster® 1957 thru 1985 and Pan 1948 thru 1965 (2-3/8" long clips).
89-62 For 1940 thru 1947 Knuckle, all Shovel & Evolution® (3-5/16" long clips).
89-76 For 1999 & later Twin Cam 88™.

B. *REPLACEMENT UPPER PUSHROD COVER KITS (INNER)*

Shovel (longest length) inner pushrod covers.

91-512 For all O.H.V. Big Twin 1936 thru early 1979, and Sportster® 1957 thru 1985. SOLD AS KIT
91-634 For Shovel late 1979 & later, and Big Twin Evolution® 1984 thru 1999.
89-75 For 1999 & later Twin Cam 88™.

C. *CHROME PLATED CUSTOM LOWER PUSHROD COVER KITS*

Plain OEM style with necessary corks.

89-135 For Knuckle 1940 thru 1947 SOLD AS SET
89-133 For Sportster® 1957 thru 1985.
89-134 For Pan & Shovel, 1948 thru early 1979.
NOTE: Will fit late 1979 thru 1983 by using part No. **91-512** upper inners.
89-365 For Big Twin Evolution® 1984 thru 1999.

Grooved style with necessary corks.

89-60 For Sportster® 1957 thru 1985. SOLD AS KIT
89-59 For Pan & Shovel, 1948 & later.

D. *PUSHROD COVER SET*

Get a complete tube look with a unique clip feature that keeps the push-pull spring type function. SOLD AS SET
91-631 Pushrod cover tube set, 1999 to present Twin Cam®

E. *ADJUSTABLE PUSHROD COVER KIT*

Lower pushrod covers and upper clips used for adjustable pushrods in Twin Cam® motors. Requires the use of OEM springs, retainers and washers.

89-113 Twin Cam® pushrod covers. SOLD AS KIT

A. *ULTIMA® SPEEDRODS™*
ADJUSTABLE PUSHRODS

Ultima® adjustable pushrods for Evolutions allow you to remove the pushrods without removing the rockerboxes. #91-795 pushrods have been redesigned to work with stock EVOs all the way up to the biggest bore motors. All are made from tapered 4140 Steel with adjusters and tips made from hardened 8620 steel. Made in the U.S.A. SOLD AS KIT

91-795 Standard length EVO used in 100/107/113 Ultima® engines.
91-797 Standard +.200 length used in 120/127 Ultima® engines.
91-799 Standard +.500 length used in 130/140 Ultima® engines.

A



91-795

B. *ALUMINUM ALLOY TUBULAR PUSHROD*
AND HYDRAULIC LIFTER CONVERSION KIT

The installation of this **U.S.A. MADE** kit will correct all problems associated with hydraulic lifters and at the same time substantially reduce valve train weight. One set contains 4 adjustable pushrods, 4 springs, and 4 hydraulic lifter adapters.

91-263 Pan 1953 thru 1965. SOLD AS KIT
91-264 Shovel 1966 thru 1983.

91-265 4 Solid lifter adapters & springs only. SOLD AS SET
91-332 Springs only. **U.S.A. MADE**. SOLD EACH

B



91-263



C. *PUSH ROD TUBE KIT*

Push rod tube kits consist of one upper push rod cover, one lower push rod cover, one retainer, one spring, one spring cover & one washer. Covers and retainer are chrome plated.

91-329 For Sportster® 1957 thru early 1979. SOLD AS SET
U.S.A. MADE.
91-330 For Pan 1948 thru 1965.
91-331 For Shovel 1966 & later.

C



91-329

CHROME PLATED



91-330

D. *PUSHROD TUBE SEALS*

These **U.S.A. MADE** seals are highly resistant to both heat and oil, resulting in a more positive leak-free seal.

95-436 Colony square neoprene pushrod tube seal kit for Knuckle 1936 thru 1947 & Sportster® 1957 thru early 1979. SOLD AS KIT
95-435 Colony square neoprene pushrod tube seal kit for FL, FLH & FX, 1948 thru early 1979. SOLD AS KIT

D



6

A



ANDREWS

B

91-266



91-262



C



D



E



ANDREWS

A. *ADJUSTABLE PUSHROD KIT FOR SHOVEL*

Adjustable pushrods and adjusters using stock diameter tubing fit all years Shovel. Use with hydraulic lifters or our part No. **91-315** lifter converters.

91-667 Aluminum pushrods for quiet operation. SOLD AS KIT OF 4
91-694 Chrome-moly pushrods for maximum strength.

B. *ALUMINUM ALLOY TUBULAR PUSHRODS*

These **U.S.A. MADE** strong, lightweight pushrods are manufactured from the best materials obtainable regardless of cost. All parts are accurately machined, holding tolerances of as small as five tenthousandths inch (.0005"). All steel wear surfaces are CarboNitride heat treated for maximum durability and long life expectancy at high valve spring loads and high rpm.

91-266	For Knuckle 74" 1936 thru 1947.	SOLD AS SET
91-267	For H-D® 74" 1948 thru 1952.	PKG. OF 4
91-280	For H-D® 74" 1953 thru 1965.	
91-262	For H-D® 74" 1966 & later. Use with hydraulic lifters.	
91-261	For Pan 1948 thru 1952 lower end using Shovel upper.	
91-268	For Sportster® 1957 thru 1985.	

C. *HIGH PERFORMANCE PUSHRODS FOR SHOVEL*

This is a new style **U.S.A. MADE** pushrod for the 1966 & later Shovels. The adjuster is put into the lifter body with a design to increase the stability of the pushrod at greater angles. A tapered split lock nut is used for the best possible way to lock the adjusting bolt into the lifter body. A 5/16 - 32 extra fine thread is used for easier and close adjustments. All pushrods are long enough to accommodate engines with stroker cylinders. All wear surfaces are hardened for maximum wear and durability.

91-513	Rods & lifters with instructions.	SOLD AS KIT
91-514	Same kit as above **91-513** except using 7/16" O.D. 4130 aircraft tubing.	SOLD AS KIT
91-517	Additional lock nuts. 5/16 - 32.	SOLD EACH

D. *QUICK CHANGE PUSHRODS FOR EVOLUTION® BIG TWIN*

U.S.A. MADE — Rocker box or tappet guide removal is not necessary with Quick Change pushrods — making cam installation a much faster and easier job. Manufactured of **4130 chrome moly** steel with heat treat hardened ends and adjusters. Pushrod tube diameter is 7/16".

91-752 For Evolution® Big Twin 1984 thru 1999. SOLD AS KIT
91-860 For Twin Cam 88™.

E. *EZ-INSTALL PUSHRODS*

EZ-Install pushrods are available in either aluminum (6061T6) or steel (4130 moly). Kits include 4 adjustable steel or aluminum pushrods which will install without removing tanks or rocker boxes.

SOLD AS KIT

FOR EVOLUTION® 80

91-754 4 Aluminum pushrods; purple anodized finish.
91-755 4 Chrome moly steel pushrods.

FOR TWIN CAM 88™

91-761 4 Aluminum pushrods; bronze anodized finish.
91-762 4 Chrome moly steel pushrods.

A. *PRO-LITE WORKSAVER PUSHRODS*

Aerospace quality **heat treated aluminum** with heat treated steel ends. These adjustable pushrods are strong & light. No disassembly of top end, or removal of the cam is required. These are the lightest pushrods on the market today.

91-855 For 1984 / 1999 Evolution® single cam. SOLD AS SET
Adjusters are 24 threads per inch. Weight is .73 grams.
Will work with .200" taller cylinders.

B. *ANDREWS PUSHRODS FOR EVOLUTION® BIG TWIN & SPORTSTER®*

This kit of fully adjustable pushrods is a must for any cam change since the stock pushrods are not adjustable and therefore more difficult to reinstall.

91-411 4 Stock diameter aluminum pushrods and adjusters for Evolution® Big Twin 1984 & later. Replaces OEM 17900-84. SOLD AS KIT

This kit of fully adjustable pushrods have extra rigid high strength construction for all out performance applications.

91-612 4 Chrome moly pushrods and adjusters for Evolution® Big Twin 1984 & later. SOLD AS KIT

These kits of super light aluminum pushrods for Evolution® Sportster® are stock diameter so there is no cover tube interference.

91-541 4 Stock diameter aluminum pushrods and adjusters for Evolution® Sportster® 1984 thru 1990. SOLD AS KIT

91-692 4 Stock diameter, adjustable chrome moly steel pushrods for maximum strength, for 1984 thru 1990 Evolution® Sportster® (not shown). Extra rigid high strength construction for all out performance applications.

C. *ADJUSTABLE PUSHRODS*

Crane's adjustable pushrods are made from aircraft grade seamless 4130 chromemoly steel tubing and heat treated to 128,000 PSI tensile strength. This gives a lighter & stronger pushrod. Each set contains two intake & two exhaust pushrods for the most accurate geometry and best strength characteristics.

SOLD AS KIT

91-876 For Evolution® 80" 1984 & later with standard tappets. .250" longer than stock.

D. *PUSHRODS*

Fast Times™ pushrods feature an ingenious adjustment system which makes installation a snap on Evolution® Big Twins by eliminating the necessity to remove the rocker boxes. The adjuster portion of the pushrod features 4140 high strength steel, with an induction hardened tip for severe service applications.

91-834 Fast Times™ for Evolution® Big Twin 1984 & later. SOLD AS KIT
91-592 For Twin Cam 88™.

These pushrods are made from .049" wall, 4130 chromemoly steel and precision machined.

SOLD AS KIT

91-830 For Shovel 1966 thru 1984.
91-831 Stroker pushrods for Shovel 1966 thru 1984.
91-832 For Evolution® Big Twin 1984 & later.

NOTE: Stroker pushrods are .250" longer than standard pushrods.

A



JIMS

B





ANDREWS

C



D



91-832

E



E. *TAPPET ROLLER KITS*

High quality rollers and axles for replacement on H-D® tappets. For Big Twin 1936 thru 1984 and Sportster® 1952 thru 1985.

91-74 Midwest kit. Replaces OEM 18534-29.
SOLD AS KIT OF FOUR

6

A



91-518



91-239



91-520

B



91-880



91-883



91-884



91-886



91-887



91-888

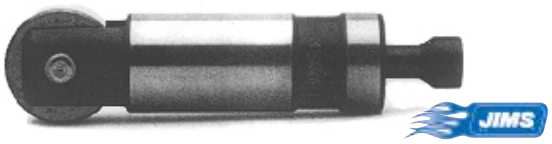
C



D



E



A. *HIGH PERFORMANCE PUSHRODS FOR EVOLUTION®*

U.S.A. MADE Evolution® pushrod kits come with four adjustable pushrods with instructions. Made of 7/16" O.D. aluminum tubing. Solid lifter deactivators are available separately. **NOTE:** Be sure to order correct deactivators to fit proper year motor.

91-273 Adjustable pushrod set for all Evolution®-Big Twins. Replaces OEM 17900-84. SOLD AS KIT

91-518 Adjustable pushrod set for all Evolution® Sportster®. Replaces OEM 17901-86. SOLD AS KIT

91-520 Hydraulic tappet deactivators for all late 1985 & later 1340 and 1986 & later XL 883/1100/1200 models. Replaces OEM 18507-85. SOLD AS KIT OF 4

91-239 Additional lock nuts 9/32 - 32 to fit the above kits and other pushrod adjusting screws using this thread. Replaces OEM 18570-38. SOLD EACH

B. *ULTIMA® LIFTERS*

91-880 Ultima® hydraulic lifters for use on EVO 1984-1999, 1986 thru 1990 Sportsters® & Buell 1987 thru 1990. .842" O.D. RPLS OEM 18523-86.

91-883 Ultima® hydraulic lifters for use on 883cc & 1200 Sportster® 1989 thru 1998. OEM 18526-89A, 18521-92A.

91-884 Ultima® hydraulic lifters for use on Twin Cam® 1450cc 1999 & later, 4-cam Sportster® 883cc, 1200cc XL 2000 & later

91-886 Ultima® stock lifters for use on EVO® 1984-1999, Sportster® & Buell® 1987-1990.

91-887 Ultima® hydraulic lifters for Sportster® 883 & 1200, 1989-1998

91-888 Ultima® stock lifters for Twin Cam® 1999 & later, Sportster® 1999 & later

C. *HYDRAULIC LIFTER CONVERTERS*

These **U.S.A. MADE** converters eliminate hydraulic units on 1953 & later Big Twins. SOLD AS KIT

91-315 For use with stock H-D® or Midwest push rods part No. **91-280** or **91-262**.

D. *HYDRAULIC UNITS FOR BIG TWINS*

Hydraulic roller tappet inserts are precision manufactured for original equipment performance & durability. Fits Pan & Shovel engines 1953 thru 1984. Replaces OEM 17920-53A.

91-605 Midwest hydraulic unit. SOLD EACH

E. *THE SOLUTION*

The Power Glide™ Solution tappets are perfect in Pan & Shovel tappet blocks, or any tappet block & case having oil passages to tappet blocks pre-Evolution®. At about 30% cost savings and about 85% more stability. If using stock H-D® tappet blocks, check for roller-to-block clearances.

Use with part No. **91-280** OEM equivalent pushrods or OEM 17905-53B pushrods for 1953 thru 1965 Big Twin Pan. Use with part No. **91-262** OEM equivalent pushrods or OEM 17904-66 pushrods for 1966 thru 1983 Big Twin Shovel.

91-636 Fits 1953 thru 1983 Pan & Shovel. SOLD EACH

A. *BIG AXLE POWERGLIDE™ AND HYDROSOLID HYDRAULIC TAPPETS FOR EVOLUTION® PERFORMANCE AND STOCK CAMS*

BIG AXLE POWERGLIDE™ BIG TWIN HYDRAULIC TAPPET

Powerglide™ tappets are capable of the highest rpm a Harley® can safely turn about 8025 rpm at a valve lift of .700", with the right valve springs, valves, cam oil, etc. .It is not necessary to use a limiting travel washer in Powerglide™ tappets.

91-291 Standard. Use on Big Twin 1984 thru 1999, Sportster® 1986 thru 1990 and Buell 1987 thru 1990. Replaces OEM 18523-86. SOLD EACH

91-743 Oversize +.005".

BIG AXLE HYDROSOLID HYDRAULIC TAPPETS

This amazing new tappet has broken the barriers of previous tappet designs. This tappet performs like a hydraulic tappet from start-up to about 5500 rpm, and then turns into a solid from 5600 rpm to your set rev limiter. At the same time it becomes a solid, it also adds about 3 - 6 more useable horsepower. Hydrosolids have a built-in anti-pump device. What this means is that about the time your springs start to surge and go into harmonic distortion, and the tappet rollers start lofting off the back side of the cam, you can be at ease knowing that your new Jims Hydrosolid tappet will not pump up and allow your valves to hit each other.

91-757 Use on Evolution® Big Twin 1984 thru 1999, Sportster® 1986 thru 1990 and Buell 1987 thru 1990. O.D. .8425". SOLD AS KIT

91-847 Use on 1991 thru 1999 XL. Std. O.D. .9035".

B. *HY-REV™ HYDRAULIC LIFTERS*

Patented hydraulic lifters feature a unique anti-pump up race retainer designed to replace the stock spring retaining clip which precisely limits plunger travel. The roller and axle are manufactured of bearing quality carbon/chromium steel. the pushrod seat is carbo-nitrided for severe service applications. High performance at a budget price.

91-837 For Evolution® Sportster® 1991 thru 1999. SOLD EACH

91-838 For Evolution® Sportster® 1991 / 1999. SOLD AS KIT OF FOUR

For Twin Cam 88® 1999 thru 2004 and XL 2000 thru 20004.

91-590 High Energy™ lifters (street). SOLD EACH

91-591 Pro Magnum™ (race).

C. *EVOLUTION® TAPPET BLOCKS*

These tappet blocks (front & rear) for Evolution® Big Twin 1984 & later are sold with eight chrome plated allen bolts. Replaces OEM 18542-83A and 18540-83A.

91-613 Chrome tappet blocks SOLD AS SET

91-614 Black tappet blocks.

91-697 Chrome tappet blocks for 4"+ bore motor case, used on all Ultima® enines 100 C.I. and larger.

D. *TAPPET BLOCK COVER SETS*

These chrome plated covers are made to match the shape of and cover the stock painted tappet blocks. Removal of pushrods is not necessary. SOLD AS SET

89-395 Fits Pan & Shovel, 1948 & later.

89-457 Fits Big Twin 1984 & later. (Die cast.)

A



91-743

B



91-838



91-590

C



91-613



91-614

D



89-395 CHROME PLATED



89-457

6

HASTINGS PISTON RINGS

Hastings motorcycle rings are the very finest **U.S.A. MADE** motorcycle rings made today. These piston ring sets are suitable replacement sets for our pistons, OEM pistons and many more. Always check your ring grooves to determine which set of rings to use. All compression rings are cast, unless otherwise specified.

H-D® 45"

G & GE 1950 thru 1965, K, KH & KHK 1955 & 1956, with 2.745" bore. **NOTE 3.**

93-354	Std.
93-355	.010
93-356	.020
93-357	.030
93-358	.040
93-359	.050
93-360	.060
93-361	.070

H-D® 61"

OHV 61" E & EL with 3-5/16" bore. **NOTE 2.**

93-346	Std.
93-347	.010
93-348	.020
93-349	.030

H-D® 74"

FLH and Super Glide®. All models 1200cc with 3-7/16" bore. **NOTE 3.**

93-330	Std.
93-331	.010
93-332	.020
93-333	.030
93-334	.040
93-335	.050
93-336	.060
93-337	.070

FL, FLE 1200cc 1948 thru 1964 with 3-7/16" bore. **NOTE 1.**

93-322	Std.
93-323	.010
93-324	.020
93-325	.030
93-326	.040
93-327	.050
93-328	.060

H-D® 80"

1340cc 1978 Thru early 1983. OHV with 3.498" bore. **NOTE 3.**

93-338	Std.
93-339	.010
93-340	.020
93-341	.030
93-342	.040

H-D® 80" EVOLUTION

1340cc 1983 thru 1999 Evolution® engine with 3.498" bore. Also late 1983 & 1984 Shovel. **NOTE 4.**

93-456	Std.
93-476	.005
93-457	.010.
93-458	.020.
93-459	.030.
93-460	.040.

BIG BORE SHOVEL 3-5/8" 1ST & 2ND RING GROOVE 5/64", OIL RING 3/16"

Big Bore 3-5/8" Shovel. **NOTE 5.**

93-535	Std.
93-536	.010.
93-537	.020.
93-538	.030.
93-539	.040.

SPORTSTER®

All models 900cc 1957 thru 1971 with 3" bore. **NOTE 3.**

93-306	Std.
93-307	.010
93-308	.020
93-309	.030
93-310	.040
93-311	.050
93-312	.060
93-313	.070

All models 1000cc 1972 & later with 3-3/16" bore. **NOTE 3.**

93-314	Std.
93-315	.010
93-316	.020
93-317	.030
93-318	.040
93-319	.050
93-320	.060
93-321	.070

All models 1200cc Evolution® engine with 3.498" bore. **NOTES 4 & 6.**

93-456	Std.
93-476	.005
93-457	.010
93-458	.020
93-459	.030
93-460	.040

All XL models 1200cc 2004-later, with 3.498" bore.

93-550	Std.
93-551	.005
93-552	.010

All models 1100cc Evolution® motor with 3.350" bore. **NOTE 5.**

93-470	Std.
93-471	.005
93-472	.010
93-473	.020
93-474	.030
93-475	.040

All models 883cc Evolution® motor with 3" bore. **NOTE 5.**

93-461	Std.
93-462	.005
93-463	.010
93-464	.020
93-465	.030
93-466	.040

BIG BORE 3-5/8" EVOLUTION® 1st & 2nd RING GROOVE 1/16", OIL RING 5/32"

Big Bore 3-5/8" Evolution®.

93-631	Std.
93-633	.010.
93-634	.020.
93-635	.030.

TWIN CAM®

1450cc, 88 C.I. 1999 & later with 3.75" bore. **NOTES 5 & 7.**

93-755	Std.
93-756	.005
93-757	.010
93-758	.020
93-759	.030

1550cc, 95 C.I., Big Bore with 3.875" bore. **NOTES 5 & 8.**

93-760	Std.
93-761	.005
93-762	.010
93-763	.020
93-764	.030

NOTES:

1. Two 3/32" compression rings & one 3/16" chrome 1-piece oil ring.
2. Two 3/32" compression rings & one 3/16" chrome 3-piece oil ring.
3. Two 1/16" compression rings & one 3/16" chrome 3-piece oil ring.
4. Two 1/16" compression rings & one 5/32" chrome 3-piece oil ring.
5. Moly compression rings as required & chrome oil rings.
6. 1200 Sportster Evolution® & Big Twin Evolution® take the same rings.
7. Two 1.5mm compression rings and one 3.0mm oil ring.
8. Two 1.5mm compression rings and one 2.5mm oil ring.

SOLD AS PAIR FOR 2 PISTONS

TOTAL SEAL - GAPLESS RING(Patented)

"THE ULTIMATE IN HIGH PERFORMANCE"

The Total Seal Gapless® ring has no gap to wear open. Instead, its patented design incorporates a two-part interlocking ring to close off the gap and provide a more perfect seal between. piston and cylinder. As the Total Seal ring wears, the gap stays sealed, even after dozens of grueling races.

Easy to install. No unusual tools or piston groove modifications are necessary. Specific instructions are provided with each set.

The Complete Set. Total Seal provides complete sets of rings, consisting of top (fire) ring, one or more combustion rings (including the Gapless® Ring), and one or more oil rings. All rings are selected and matched for the individual application.

NOTE: Although these are both high performance rings, select the best top ring for your application. Street — For economy, particularly in street-type applications, cast iron rings are the rings of choice. Cast iron is highly compatible with cylinder surfaces and provides a long-wearing, quick seating low-cost top ring. For longer wear, chrome or moly faces are provided. Cast iron rings are not recommended for applications encountering high temperatures, high compression, or detonation conditions. Racing — Stronger materials such as ductile (nodular) iron or stainless steel are recommended for more demanding applications such as high performance engines. Unfortunately, ductile, and to some extent, stainless steel, although nearly unbreakable, are not wholly compatible with most cylinder surfaces. Therefore, it is most common to inlay the sealing surface of the ring with either chrome or moly.

1000cc 1972 & later with 3.188" bore. **NOTE 1.**

RACING		STANDARD
—	.050	**93-593**

SPORTSTER®

883cc Evolution® with 3.000" bore. **NOTE 3.**

RACING		STANDARD
93-565	.005	—
—	.010	**93-597**
93-567	.020	—
—	.040	**93-600**

NOTES:

1. 1/16" x 1/16" x 3/16".
2. 1/16" x 1/16" x 5/32".
3. 1.5" x 1.5" x 2.8mm.
4. 5/64" x 5/64" x 3/16".
5. 1200 Sportster® Evolution® and Big Twin Evolution® take the same rings.

SOLD AS PAIR FOR 2 PISTONS

RACING SETS

Top: Moly or chrome ductile.
2nd: Gapless® .
3rd: 3-Piece.

STANDARD SETS

Top: Cast iron.
2nd: Gapless®.
3rd: 3-Piece.

MAHLE PISTONS

With experience from original equipment to NASCAR and even Formula 1, MAHLE the largest piston manufacturer in the world brings true technology to the V-twin market. MAHLE integrates what they learn on the track into every piston they make. MAHLE's piston kits start with forgings from low expansion 4032 alloy aluminum, for superior operating performance and durability. The pistons are deburred and performance coated. The performance coatings include a dry phosphate lubricant to protect against ring micro-welding as well as pin galling at initial start-up and MAHLE's proprietary Grafal® anti-friction skirt coating. All pistons have CNC precision finished pin bores (no honing required). These kits come with high quality steel pins, round wire locks and low drag performance rings (unless noted). Trust your motor to the experts with over 80 years of piston building technology, trust MAHLE.

PISTONS SOLD AS PAIR; PINS & CLIPS INCLUDED; RINGS SOLD SEPARATELY WHEN PART NUMBER LISTED

80 C.I. BIG TWIN 1340 EVOLUTION® 1984 & LATER

10:1 ratio, 1.381 pin height , domed piston

BORE	PART NO.	RINGS
3.498 (Std.)	**93-794**	**93-456**
3.503 (+.005)	**93-795**	**93-476**
3.508 (+.010)	**93-796**	**93-457**
3.518 (+.020)	**93-797**	**93-458**
3.528 (+.030)	**93-798**	**93-459**

89 C.I. STROKER PISTONS

The same parts used in our 89" stroker kits.
9.5:1 ratio, 1.200" pin height, flat top pistons.

BORE	PART NO.	RINGS
3.498 (Std.)	**93-785**	**93-456**
3.503 +.005	**93-786**	**93-476**
3.508 +.010	**93-787**	**93-457**
3.518 +.020	**93-788**	**93-458**
3.528 +.030	**93-789**	**93-459**

REPLACEMENT 96 C.I. PISTONS

9.75:1 ratio (most OEM Evolution® heads)., 1.200 pin height (0.012 tighter squish than most), flat top piston

BORE	PART NO.	RINGS
3.625 (Std.)	**93-780**	**93-631**
3.625 +.005	**93-781**	**—**
3.625 +.010	**93-782**	**93-633**
3.625 +.020	**93-783**	**93-634**
3.625 +.030	**93-784**	**93-635**

FOR TWIN CAM® 100 C.I.

10.5:1 ratio, 1.160 pin height, dome piston

BORE	PART NO.
3.875 (Std.)	**92-500**
3.875 +.005	**92-501**
3.875 +.010	**92-502**
3.875 +.020	**92-503**
3.875 +.030	**92-504**

FOR TWIN CAM® 113 C.I.

10.9:1 ratio, 1.075 pin height, dome piston

BORE	PART NO.
4 (Std.)	**93-965**
4 +.005	**93-966**
4 +.010	**93-967**
4 +.020	**93-968**
4 +.030	**93-969**



FOR ULTIMA® 100 C.I.

10.1:1 ratio, 1.450 pin height, dome

BORE	PART NO.
3.875 (Std.)	**93-185**
3.875 +.005	**93-186**
3.875 +.010	**93-187**
3.875 +.020	**93-188**
3.875 +.030	**93-189**

FOR ULTIMA® 107 C.I.

10.6:1 ratio, 1.325 pin height, dome

BORE	PART NO.	RINGS
4 (Std.)	**93-180**	**INCLUDED**
4 +.005	**93-181**	**93-912**
4 +.010	**93-182**	**93-913**
4 +.020	**93-183**	**93-120**
4 +.030	**93-184**	**93-121**

FOR ULTIMA® 113 C.I.

11.2:1 ratio, 1.200 pin height, dome

BORE	PART NO.	RINGS
4 (Std.)	**93-175**	**INCUDED**
4 +.005	**93-176**	**93-912**
4 +.010	**93-177**	**93-913**
4 +.020	**93-178**	**93-120**
4 +.030	**93-179**	**93-121**



FOR ULTIMA® 120 C.I.

9.5:1 ratio, 1.200 pin height, flat

BORE	PART NO.
4.250 (Std.)	**93-970**
4.250 +.005	**93-971**
4.250 +.010	**93-972**
4.250 +.020	**93-973**
4.250 +.030	**93-974**

FOR ULTIMA® 127 C.I.

10.0:1 ratio, 1.075 pin height, flat

BORE	PART NO.
4.250 (Std.)	**93-975**
4.250 +.005	**93-976**
4.250 +.010	**93-977**
4.250 +.020	**93-978**
4.250 +.030	**93-979**

FOR ULTIMA® 130 C.I.

9.5:1 ratio, 1.385 pin height, flat

BORE	PART NO.
4.400 (Std.)	**93-980**
4.400 +.005	**93-981**
4.400 +.010	**93-982**
4.400 +.020	**93-983**
4.400 +.030	**93-984**

FOR ULTIMA® 140 C.I.

10.2:1 ratio, 1.200 pin height, flat

BORE	PART NO.
4.400 (Std.)	**93-985**
4.400 +.005	**93-986**
4.400 +.010	**93-987**
4.400 +.020	**93-988**
4.400 +.030	**93-989**

ALL PISTON SETS - SOLD AS PAIR

BIG BORE KIT FOR EVOLUTION® 883 XLH MODEL SPORTSTER®

The 1200cc Big Bore conversion kit for Evolution® 883cc & 1100cc Sportster® will convert your 883 or 1100 to 1200cc (73.3 C.I.). The piston-pin assembly weights the same as the stock assembly so that your engine does not need to be re-balanced. They can be installed in the bike without splitting the case. Your cylinders must be bored to accommodate this kit. No head modification necessary with the inverse dome. 1.200 pin height.

BORE	STROKE	CR	PART NO.	RINGS
3.498	3.812	9.75	**93-790**	**93-456**
3.508	3.812	9.75	**93-791**	**93-457**
3.518	3.812	9.75	**93-792**	**93-458**

PISTONS SOLD AS PAIR; PINS & CLIPS INCLUDED; RINGS SOLD SEPARATELY.

SEE SEC. 6 & 13 FOR ULTIMA® TORQUE PLATES

WISECO Performance Products



WISECO PERFORMANCE PISTON KITS

ALL KITS INCLUDE: FORGED PISTONS, RINGS, RETAINER CLIPS, AND CHROME PISTON PINS

1200 (74 C.I.) FL-FLH PANHEAD 1948-65, SHOVELHEAD 1966-77

	BORE	COMP. RATIO	CC DISPL.	
92-105	3.437 / STD	9:1	1200	
92-106	3.447/+.010	9:1	1213	
92-107	3.457 /+.020	9:1	1220	
92-108	3.467 /+.030	9:1	1227	
92-109	3.477 /+.040	9:1	1234	
92-110	3.487 /+.050	9:1	1241	SHOVELHEAD ONLY
92-111	3.497 /+.060	9:1	1249	SHOVELHEAD ONLY
92-112	3.517 /+.080	9:1	1263	SHOVELHEAD ONLY

SPORTSTER® 1200cc 2004-07 AND BUELL XB12R/SB12S

	BORE	COMP. RATIO	CC DISPL.
92-189	3.498 / STD	10.5:1	1200
92-190	3.508 /+.010	10.5:1	1207
92-191	3.518 /+.020	10.5:1	1214

1340 SHOVELHEAD (80 C.I.) 1978-84

	BORE	COMP. RATIO	CC DISPL.
92-113	3.497 / STD	7:1	1340
92-114	3.507 /+.010	7:1	1345
92-115	3.517 /+.020	7:1	1353
92-116	3.527 /+.030	7:1	1361
92-117	3.537 /+.040	7:1	1367
92-118	3.497 / STD	9.5:1	1340
92-119	3.507 /+.010	9.5:1	1345
92-120	3.517 /+.020	9.5:1	1353
92-121	3.527 /+.030	9.5:1	1361
92-122	3.537 /+.040	9.5:1	1367

1200 EVO SPORTSTER® 1988-03, 1100 EVO SPORTSTER® 1986-87 (ALL EVO SPORTSTER® & BUELL MODELS WITH STOCK 1200 HEADS)

	BORE	COMP. RATIO	CC DISPL.
92-133	3.498 / STD	9:1	1200
92-134	3.508 /+.010	9:1	1207
92-135	3.518 /+.020	9:1	1214
92-147	3.498 / STD	10.5:1	1200
92-148	3.508 /+.010	10.5:1	1207
92-149	3.518 /+.020	10.5:1	1214
92-150	3.528 /+.030	10.5:1	1221

1000 IRON SPORTSTER® 1972-85

NOTE: WILL NOT FIT XR STYLE HEAD

	BORE	COMP. RATIO	CC DISPL.
92-100	3.188 / STD	10:1	1000
92-101	3.198 /+.010	10:1	10003
92-102	3.208 /+.020	10:1	1006
92-103	3.218 /+.030	10:1	1016
92-104	3.228 /+.040	10:1	1022

BUELL S1/S3/S3T MODELS WITH 101HP THUNDERSTORM HEADS

	BORE	COMP. RATIO	CC DISPL.
92-158	3.498 / STD	10:1	1200
92-159	3.508 /+.010	10:1	1207
92-160	3.518 /+.020	10:1	1214

883 EVO SPORTSTER® 1986-06

NOTE: OVERBORE TO 1200cc (73 C.I.)

	BORE	COMP. RATIO	CC DISPL.
92-173	3.498 / STD	8.5:1	1200
92-128	3.498 / STD	9.5:1	1200
92-129	3.508 /+.010	9.5:1	1207
92-130	3.518 /+.020	9.5:1	1214
92-131	3.528 /+.030	9.5:1	1221
92-132	3.538 /+.040	9.5:1	1228
92-144	3.498 / STD	10:1	1200
92-145	3.508 /+.010	10:1	1207
92-146	3.518 /+.020	10:1	1214

WISECO PERFORMANCE PISTON KITS

ALL KITS INCLUDE: FORGED PISTONS, RINGS, RETAINER CLIPS, AND CHROME PISTON PINS

1340 EVO BIG TWIN 1984-99 FOR SCREAMIN' EAGLE HEADS (80 C.I.)

	BORE	COMP. RATIO	CC DISPL.
92-168	3.518	10.5:1	1353

TWIN CAM 88™ 1550cc BIG BORE KIT 1999-06 (95 C.I.)
KIT ALSO INCLUDES: COMPLETE TOP END GASKET KIT.
NOTES: CYLINDER BORING REQUIRED

	BORE	COMP. RATIO	CC DISPL.
92-169	3.875"	9:1	1546
92-170	3.880"	9:1	1550
92-171	3.885"	9:1	1554
92-161	3.875"	10.5:1	1546
92-162	3.880"	10.5:1	1550
92-163	3.885"	10.5:1	1554
92-164	3.895"	10.5:1	1562

TWIN CAM 88™ 1999-06 1802cc BIG BORE STROKER KIT (110 C.I.)
KIT ALSO INCLUDES: COMPLETE TOP END GASKET KIT.
NOTES: CYLINDER BORING AND RESLEEVING REQUIRED.

CASES MUST BE BORED TO ACCEPT BIG BORE SLEEVES PART NUMBER 93-103. 4-3/8" STROKER CRANK REQUIRED.

	BORE	COMP. RATIO	CC DISPL.
92-188	4.000"	10:1	1802

TWIN CAM® 96 2007 1691cc BIG BORE KIT (103 C.I.)
NOTE: RECALIBRATION REQUIRED. CYLINDER BORING REQUIRED

	BORE	COMP. RATIO	CC DISPL.
92-194	3.875"	9:1	1691
92-196	3.885"	9:1	1700
92-197	3.875"	10.5:1	1691
92-198	3.880"	10.5:1	1695
92-199	3.885"	10.5:1	1700

93-102	1340 EVO BIG BORE SLEEVES
93-103	TWIN CAM 88™ BIG BORE SLEEVES



TWIN CAM® 96 2007 1802cc BIG BORE KIT (110 C.I.)
NOTES: RECALIBRATION REQUIRED. BIG BORE CYLINDERS AND CASE BORING REQUIRED

	BORE	COMP. RATIO	CC DISPL.
92-200	4.000"	10.5:1	1802

TWIN CAM® 96 2007 1917cc BIG BORE KIT (117 C.I.)
NOTES: RECALIBRATION REQUIRED. BIG BORE CYLINDERS AND CASE BORING REQUIRED

	BORE	COMP. RATIO	CC DISPL.
92-201	4.125"	10.5:1	1917

1340 EVO BIG TWIN 1984-99 (80C.I.)

	BORE	COMP. RATIO	CC DISPL.
92-123	3.498 / STD	8.5:1	1340
92-124	3.508 /+.010	8.5:1	1345
92-125	3.518 /+.020	8.5:1	1353
92-126	3.528 /+.030	8.5:1	1361
92-127	3.538 /+.040	8.5:1	1369
92-138	3.498 / STD	10:1	1340
92-139	3.503 /+.005	10:1	1342
92-140	3.508 /+.010	10:1	1345
92-141	3.518 /+.020	10:1	1353
92-142	3.528 /+.030	10:1	1361
92-143	3.538 /+.040	10:1	1369

"MAKE YOUR HARLEY® HYPER!"

PERFORMANCE KB MOTORCYCLE PISTONS



DISH



DOME



FLAT



HEMI DOME

APPLICATION	RING END GAP FACTOR	PISTON TO WALL CLEARANCE
Street normally aspirated	.0065"	.0015" - .002"
Street nitrous or supercharged	.0080"	.0015" - .0025"
Flat track gasoline	.0080"	.0015" - .0030"
Flat track alcohol	.0060"	.0015" - .0030"
Drag gasoline	.0075"	.0015" - .0030"
Drag alcohol	.0065"	.0015" - .0030"
Drag supercharged or nitrous gas	.0095"	.0015" - .0030"

KEITH BLACK "KB" PERFORMANCE PISTONS

KB is offering performance which is not just limited to the the road. Right out of the box, KB supplies diamond machined pistons that feature a light weight design and are held to + / - one gram within the set. In addition, KB
holds skirt sizes of less than one half thousandths (.0005") tolerance from piston to piston. KB Pistons are made of high strength, T5 heat treated, 390 hypereutectic aluminum alloy. This alloy yields better thermal efficiency with less expansion, and superior wear characteristics. The KB design, combined with the hypereutectic alloy, can be run at .0015" piston-to-wall clearance with no scoring; the tightest clearances in the industry. In addition, the thermal efficiency of the 390 alloy allows engine timing to be reduced, and the tight clearances virtually eliminates piston noise. All of these features combine to give you an engine that runs quiet, efficient, and longer than previously possible of the 390 alloy .

SPECIAL CLEARANCE REQUIREMENTS OF KB PISTONS

Suggested piston to wall clearance: KB pistons can be installed tighter than other performance pistons. A close-fitting piston rocks less, supports the ring better, and seals the engine for maximum power. When a loose fit engine is desired, the rigid skirt design of the KB piston allows the builder a choice without fear of piston damage. The chart below shows minimum and realistic maximum loose fit clearance for KB pistons.

SPECIAL NOTICE ON TOP RING END GAP

The KB pistons' unique thermal conductivity, ring location and varied end use requires special attention to be paid to top ring gap. KB Pistons make more horsepower by reflecting heat energy back into the combustion process and, as a result, the top ring runs hotter and requires additional end clearance. Increasing ring end gap does not affect performance or oil control because normal end gaps are realized at operating temperatures. Failure to provide sufficient top ring end gap will cause a portion of the top ring land to break as the ring ends butt and lock tight in the cylinder. The broken piece may cause further piston or engine damage. Safe top ring end gaps can be found by multiplying the bore diameter by the appropriate ring end gap factor from the adjoining chart. Example: 3.5" bore " "Street Normally Aspirated" = 3.5" bore x .0065 = .028" top ring end gap. **NOTE:** Second ring end gaps do not need extra clearance. As a general rule, retarding spark timing 2 to 4 degrees makes the best horsepower when KB pistons are used. Excessive spark advance, lean fuel mixture, or too much compression for the fuel and cam used will make heat sufficient to butt piston rings with as much as .060" ring end gap. Nitrous engines need a spark retard.

"KB" PISTONS FOR TWIN CAM 88™

INCLUDES HASTINGS RINGS AND WRIST PINS WITH CLIPS

DESCRIPTION	COMP RATIO	STD	.005
Big Bore 95" Twin Cam®.	9.3:1	**93-744**	—
		SOLD AS SET OF TWO PISTONS WITH RINGS	

KB PISTONS CONTINUED ON NEXT PAGE

YOU MUST ORDER BY MIDWEST PART NUMBER

KNUCKLE, PAN, SHOVEL FL, FLH & FX, 1941 THRU 1979 74 CID			KB NUMBER **KB263**	USES RINGS	PISTON SIZE	MIDWEST PART NO.
BORE	HEAD TYPE	CYL. HEIGHT	ROD LENGTH	Two 1/16"	Std.	**93-640**
3.438"	.656" Dome	5.330"	7.440"	One 3/16"	.010	**93-641**
STROKE	COMP HGT.	COMP. RATIO	PISTON/PIN WGT		.020	**93-642**
3.969	1.450"	(9.0:1 @ .0" deck) (7.8:1 @ .085" deck)	370/97 grs		.030 .040 .050 .060 .070	**93-643** **93-644** **93-645** **93-646** **93-647**

SHOVEL FL, FLH & FX 1978 THRU 1984 80 CID			KB NUMBER **KB288**	USES RINGS	PISTON SIZE	MIDWEST PART NO.
BORE	HEAD TYPE	CYL. HEIGHT	ROD LENGTH	Two 1/16"	Std.	**93-648**
3.498"	Hemi Dome	5.330"	7.440"	One 3/16"	.010	**93-649**
STROKE	COMP HGT.	COMP. RATIO	PISTON/PIN WGT		.020	**93-650**
4.250"	1.285"	(7.2:1 @ .085" deck)	357/97 grs		.030 .040	**93-651** **93-652**

SHOVEL FL, FLH & FX 1978 THRU 1984 80 CID			KB NUMBER **KB297**	USES RINGS	PISTON SIZE	MIDWEST PART NO.
BORE	HEAD TYPE	CYL. HEIGHT	ROD LENGTH	Two 1/16"	Std.	**93-679**
3.498"	Hemi Dome	5.330"	7.440"	One 3/16"	.010	**93-680**
STROKE	COMP HGT.	COMP. RATIO	PISTON/PIN WGT		.020	**93-681**
4.250"	1.285"	(8.3:1 @ .085" deck)	/97 grs		.040	—

SHOVEL 1948 THRU1984 88" - 98" CID			KB NUMBER **KB294**	USES RINGS	PISTON SIZE	MIDWEST PART NO.
3-5/8" BORE	HEAD TYPE	CYL. HEIGHT	ROD LENGTH			
3.625"	Hemi Dome	5.330-5.530	7.440"	One 1/16"	Std.	**93-684**
STROKE	COMP HGT.	COMP. RATIO	PISTON/PIN WGT	Two 3/16"	.010	**93-685**
4.250" to	1.285"		/97 grs		.020	**93-686**
4.750"	(8.5:1 w/4.250" stroke @ .085" deck) (9.38:1 w/4.750" stroke @ .085" deck)				.030 .040	**93-687** **93-688**

1340cc EVOLUTION® FX, FLH & FX, 1984 & LATER 80 CID			KB NUMBER **KB258**	USES RINGS	PISTON SIZE	MIDWEST PART NO.
BORE	HEAD TYPE	CYL. HEIGHT	ROD LENGTH	Two 1/16"	Std.	**93-653**
3.498"	Flat Top	5.550"	7.440"	One 3/16"	.005	**93-654**
STROKE	COMP HGT.	COMP. RATIO	PISTON/PIN WGT		.010	**93-655**
4.250"	1.375"	8.6:1	350/97 grs		.020	**93-656**
					.030	**93-657**

1340cc EVOLUTION® FX, FLH & FX, 1984 & LATER 80 CID			KB NUMBER **KB305**	USES RINGS	PISTON SIZE	MIDWEST PART NO.
BORE	HEAD TYPE	CYL. HEIGHT	ROD LENGTH	Two 1/16"	Std.	**93-689**
3.498"	Dome	5.550"	7.440"	One 3/16"	.005	**93-690**
STROKE	COMP HGT.	COMP. RATIO	PISTON/PIN WGT		.010	**93-691**
4.250"	1.375"	9.6:1	/97 grs		.020	**93-692**
					.030	**93-693**

1340cc EVOLUTION® FX, FLH & FX, 1984 & LATER 80 CID			KB NUMBER **KB266**	USES RINGS	PISTON SIZE	MIDWEST PART NO.
BORE	HEAD TYPE	CYL. HEIGHT	ROD LENGTH	One 1/16"	Std.	**93-659**
3.498"	.200 Dome	5.550"	7.440"	Two 3/16"	.005	**93-660**
STROKE	COMP HGT.	COMP. RATIO	PISTON/PIN WGT		.010	—
4.250"	1.375"	10.5:1	360/97 grs		.020	**93-662**
					.030	**93-663**
					.040	**93-664**

EVOLUTION® BIG TWIN 1984 & LATER 88 CID			KB NUMBER **KB293**	USES RINGS	PISTON SIZE	MIDWEST PART NO.
3-5/8" BORE	HEAD TYPE	CYL. HEIGHT	ROD LENGTH	One 1/16"	.030	**93-699**
3.625"	Flat Top	5.550"	7.440"	Two 3/16"		
STROKE	COMP HGT.	COMP. RATIO	PISTON/PIN WGT			
4.250"	1.375"	10.0:1	/97 grs			

SOLD AS SET OF 2 PISTONS WITH RINGS

KB PISTONS CONTINUED ON NEXT PAGE

"MAKE YOUR HARLEY® HYPER!"



YOU MUST ORDER BY MIDWEST PART NUMBER

SPORTSTER® 1972 THRU 1985 61CID			KB NUMBER **KB292**	USES RINGS	PISTON SIZE	MIDWEST PART NO.
BORE	HEAD TYPE	CYL. HEIGHT	ROD LENGTH	Two 1/16"	.010	**93-718**
3.188"	Dome	5.330"	7.440"	One 3/16"	.020	**93-719**
STROKE	COMP HGT.	COMP. RATIO	PISTON/PIN WGT		.030	**93-720**
3.812	1.182"	8.2:1	335/97 grs		.050	**93-722**

883cc TO 1200cc CONVERSION XL 1986 & LATER 74 CID **NOTE 1**			KB NUMBER **KB272**	USES RINGS	PISTON SIZE	MIDWEST PART NO.
BORE	HEAD TYPE	CYL. HEIGHT	ROD LENGTH	Two 1/16"	Std.	**93-671**
3.498"	Dish	4.650"	6.938"	One 3/16"	.010	**93-672**
STROKE	COMP HGT.	COMP. RATIO	PISTON/PIN WGT		.040	**93-675**
3.812	1.210"	10.0:1	335/97 grs			

1200cc EVOLUTION® XL 1988 & LATER 74 CID			KB NUMBER **KB264**	USES RINGS	PISTON SIZE	MIDWEST PART NO.
BORE	HEAD TYPE	CYL. HEIGHT	ROD LENGTH	Two 1/16"	.010	**93-667**
3.498"	Flat Top	4.650"	6.938"	One 3/16"		
STROKE	COMP HGT.	COMP. RATIO	PISTON/PIN WGT			
3.812	1.210"	9.0:1	349/97 grs			

NOTE 1: Dished piston dome requires no head work for conversion.

NOTE 2: Deeper valve pockets for high lift cam. Valve-to-piston clearance must **ALWAY**S be checked.

SOLD AS SET OF 2 PISTONS WITH RINGS

MORE KEITH BLACK "kb" PERFORMANCE PISTONS

IMPORTED PISTONS

New to our import line of pistons is Molybdenum "MoS2" coated pistons. The skirt is coated by "MoS2" to help prevent cylinder wall scuffing. This is the same process used by the OEM on late model motors.
We also offer uncoated top quality imported pistons that meet or exceed OEM specifications.
See each application for details about compression ratio and parts included with each piston. **Note:** Paint dot belongs on cam side.

ALL PISTONS SOLD EACH FOR ONE CYLINDER EXCEPT AS NOTED

74 CU. IN. — 1200CC — 3-7/16" LOW COMPRESSION — 7.5 TO 1

UNCOATED	SIZE	
93-369	Std.	
93-386	.010	
93-370	.020	
93-387	.030	NOTE 1 THRU 4
93-371	.040	
93-388	.050	
93-389	.070	

74 CU. IN. — 1200CC — 3-7/16" STD. COMPRESSION — 8.5 TO 1

UNCOATED	SIZE	MoS2	
93-282	Std.	**93-800**	
93-283	.010	**93-801**	
93-284	.020	**93-802**	NOTE 1, 2 & 4
93-285	.030	**93-803**	
93-286	.040	**93-804**	
93-287	.050	**93-805**	
93-288	.060	—	
93-289	.070	—	

80 CU. IN. — 1340CC — 3-1/2" LOW COMPRESSION — 7.5 TO 1

UNCOATED	SIZE	
93-427	Std.	
93-428	.010	
93-429	.020	
93-430	.030	
93-431	.040	NOTE 1, 2 & 3

80 CU. IN. — 1340CC — 3-1/2" STD. COMPRESSION — 8.5 TO 1

UNCOATED	SIZE	MoS2	
93-364	Std.	**93-806**	
93-365	.010	**93-807**	
93-366	.020	**93-808**	
93-367	.030	**93-809**	NOTE 1, 2 & 5
93-368	.040	**93-810**	

80 CU. IN. — 1340CC — 3-1/2" EVOLUTION® STD. COMPRESSION — 8.5 TO 1

UNCOATED	SIZE	MoS2	
93-500	Std.	**93-811**	
93-501	.005	**93-812**	
93-502	.010	**93-813**	
93-503	.020	**93-814**	
93-504	.030	**93-815**	NOTE 1, 2 & 5
93-505	.040	**93-816**	

SPORTSTER® 900CC —3" STD. COMPRESSION 9.5 TO 1

UNCOATED	SIZE	
93-290	Std.	
93-291	.010	
93-292	.020	
93-293	.030	NOTE 1 & 2
93-294	.040	
93-295	.050	
93-296	.060	
93-297	.070	

SPORTSTER® 1000CC — 3-3/16" LOW COMPRESSION — 8.5 TO 1

UNCOATED	SIZE	
93-373	Std.	
93-394	.010	
93-374	.020	
93-395	.030	
93-375	.040	NOTE 1, 2 & 3
93-396	.050	
93-376	.060	
93-397	.070	

SPORTSTER® 1000CC — 3-3/16" STD. COMPRESSION — 9.5 TO 1

UNCOATED	SIZE	
93-274	Std.	
93-275	.010	
93-276	.020	
93-277	.030	
93-278	.040	NOTE 1 & 2
93-279	.050	
93-280	.060	
93-281	.070	

SPORTSTER® 1100CC — EVOLUTION® STD. COMPRESSION

UNCOATED	SIZE
93-521	.005
93-522	.010
93-523	.020

SPORTSTER® 1200CC — EVOLUTION® STD. COMPRESSION

UNCOATED	SIZE	
93-613	Std.	
93-614	.005	NOTE 1, 2 & 5
93-615	.010	
★93-616	.020	

NOTE 1, 2 & 5

NOTE 1: Piston pin & circlips.
NOTE 2: Cast piston.
NOTE 3: The use of low compression pistons will enable you to successfully street drive these bikes on available pump gas without detonation. These are low compression, not low performance pistons.
NOTE 4: These pistons use FLH type rings.
NOTE 5: Uses stock type rings.

A



DOME



DISH

ULTIMA

6

B



41-943



41-944

C



D



93-422

A. *SPECIALTY PISTON KITS FOR ULTIMA® ENGINES*

Piston kits include: Pistons, pins & clips. Dome pistons require 30˚ cut into cylinder heads — SOLD AS SET

93-497 Piston rings, 0.043/0.043/3mm, 4.250-4.255 Bore, file fit. — SOLD AS SET

93-485 Piston kit, 140" Ultima®, 37cc Dome, +0.002 Bore. — SOLD AS SET
93-486 Piston kit, 140" Ultima®, 37cc Dome, +0.005 Bore.
93-490 Piston kit, 140" Ultima®, 32cc Dish, Std. Bore.
93-491 Piston kit, 140" Ultima®, 32cc Dish, +0.005 Bore.

B. *COLONY CYLINDER BASE NUTS FOR BIG BORE*

High torque cylinder base nuts for all big bore cylinders. Also fits stock 74" & 80" cylinders.

41-943 Chrome plated cylinder base nuts for big bore cylinders. — SOLD AS KIT
41-944 Black oxide cylinder base nuts for big bore cylinders.

41-766 12 Point head bolt & washer kit for big bore Pan & Shovel, 1948 & later. — SOLD AS KIT

C. *BIG BORE 3-5⁄8" CYLINDERS FOR SHOVEL*

Top quality 3-5/8" bore replacement cylinders for Shovel 1966 thru 1984.

REFERENCE INFORMATION

93-261 & **93-262**	**93-263** & **93-264**
Stock length cylinder.	.200" Longer cylinder.
Stroke: 3-31/32" = 82 C.I.	Stroke: 4-1/2" = 93 C.I.
Stroke: 4-1/4" = 88 C.I.	Stroke: 4-5/8" = 96 C.I.
	Stroke: 4-3/4" = 98 C.I.

Stock stroke on 74 C.I. is 3-31/32".
Stock stroke on 80 C.I. is 4-1/4".

93-261 Front cylinder, stock length (5.330"). — SOLD EACH
93-262 Rear cylinder, stock length (5.330").
93-263 Front cylinder., .200" longer.
93-264 Rear cylinder., .200" longer.

D. *PISTON PIN CLIPS FOR H-D® BIG TWIN*

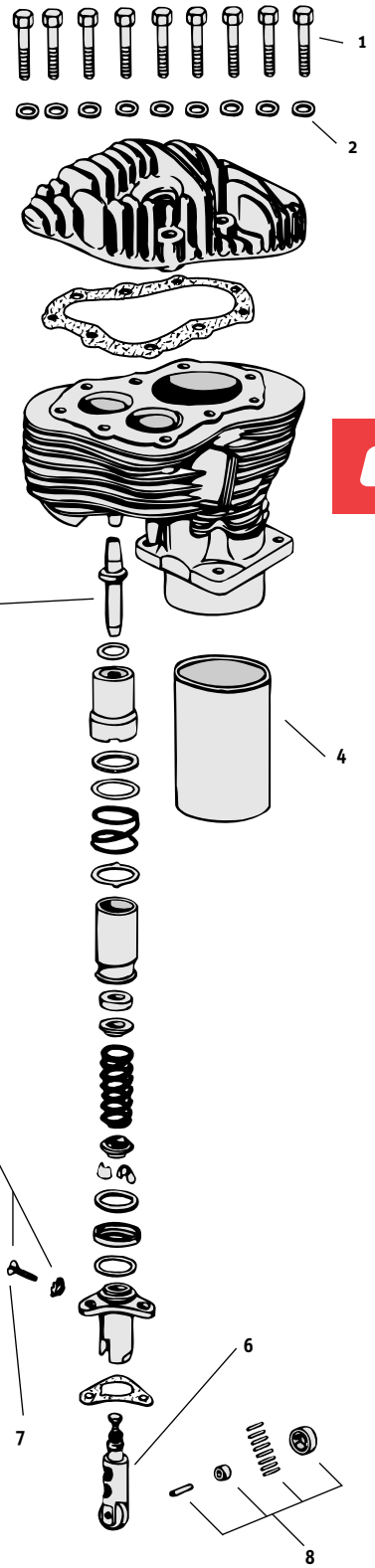
93-362 CIRCLIP FOR 1937 / 1972. (OEM 22581-32)
93-221 SPIRAL TYPE CIRCLIP FOR 1973 / 1977. (OEM 22582-52)
93-422 RETAINING RING FOR 1978 & LATER. (OEM 22588-78)

TOP END ENGINE PARTS FOR H-D® FLAT HEAD MODELS

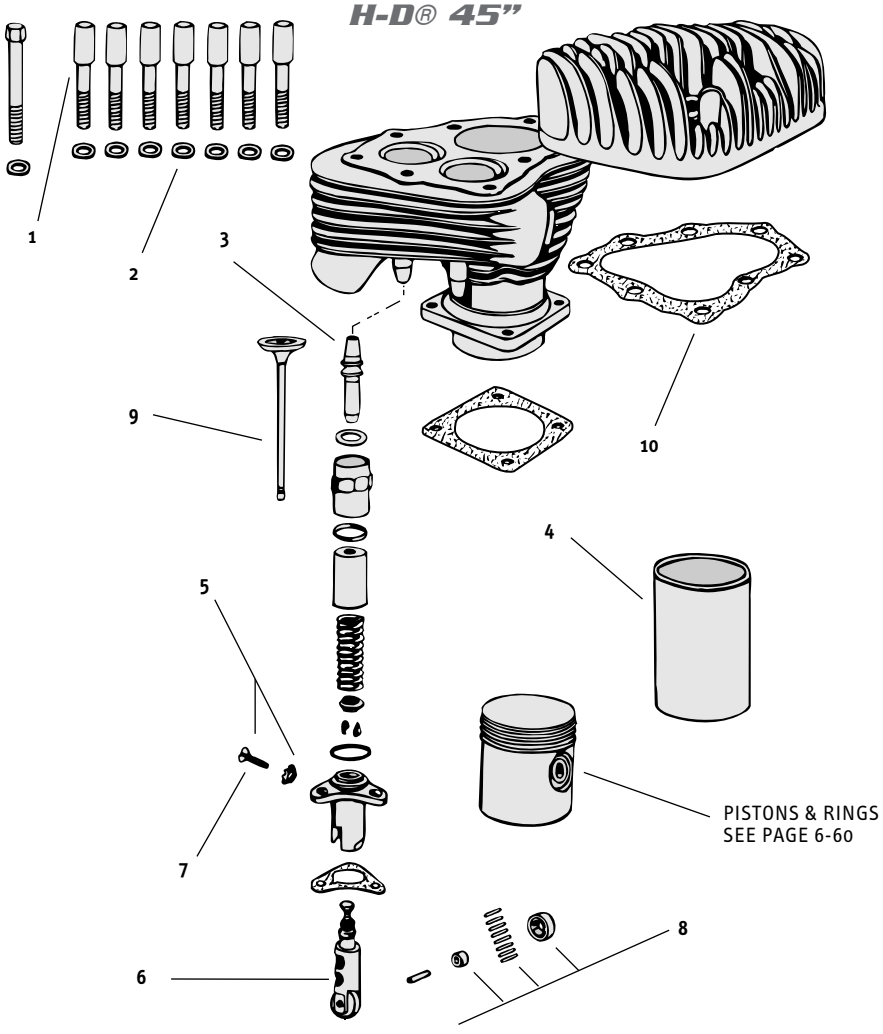
ALL PARTS SOLD EACH EXCEPT AS NOTED

1	—	CAD PLATED BOLT KIT FOR 45", 74" & 80" SIDE VALVE WITH IRON HEADS. COLONY. SOLD AS SET
2	**41-398**	HEAT TREATED CAD PLATED HEAD BOLT WASHERS ALL H-D® EXCEPT ALUMINUM FLATHEAD MODELS. SOLD AS SET
3		CAST IRON VALVE GUIDE. INTAKE & EXHAUST THE SAME PART NUMBER. SOLD EACH
	91-490	STANDARD SIZE CAST IRON VALVE GUIDE 45" FLATHEAD 1932 / 1972.
4	**93-453**	CYLINDER LINER 3-5/16 X 8", 3/32" WALL FOR 74" SIDE VALVE
5	—	CHROME TAPPET BLOCK SCREW & WASHER SET 8 SCREWS & 8 WASHERS. COLONY (OEM 2329 & 7231) SOLD AS SET
6	—	STANDARD SIZE TAPPET. JIMS (OEM 18490-29)
7	**41-767**	CHROME ALLEN HEAD TAPPET BLOCK SCREW KIT, 8 SCREWS. COLONY (OEM 2329) SOLD AS KIT
8	**91-74**	TAPPET ROLLER KIT BIG TWIN 1936 / 1984. MIDWEST (OEM 18534-29) SOLD AS KIT OF FOUR
9	—	EXHAUST VALVE 45" FLATHEAD 1932 & LATER. OEM 18080-32)
10	**78-62**	ASBESTOS HEAD GASKET 45" (OEM 16768-39)

H-D® 74" & 80"



H-D® 45"



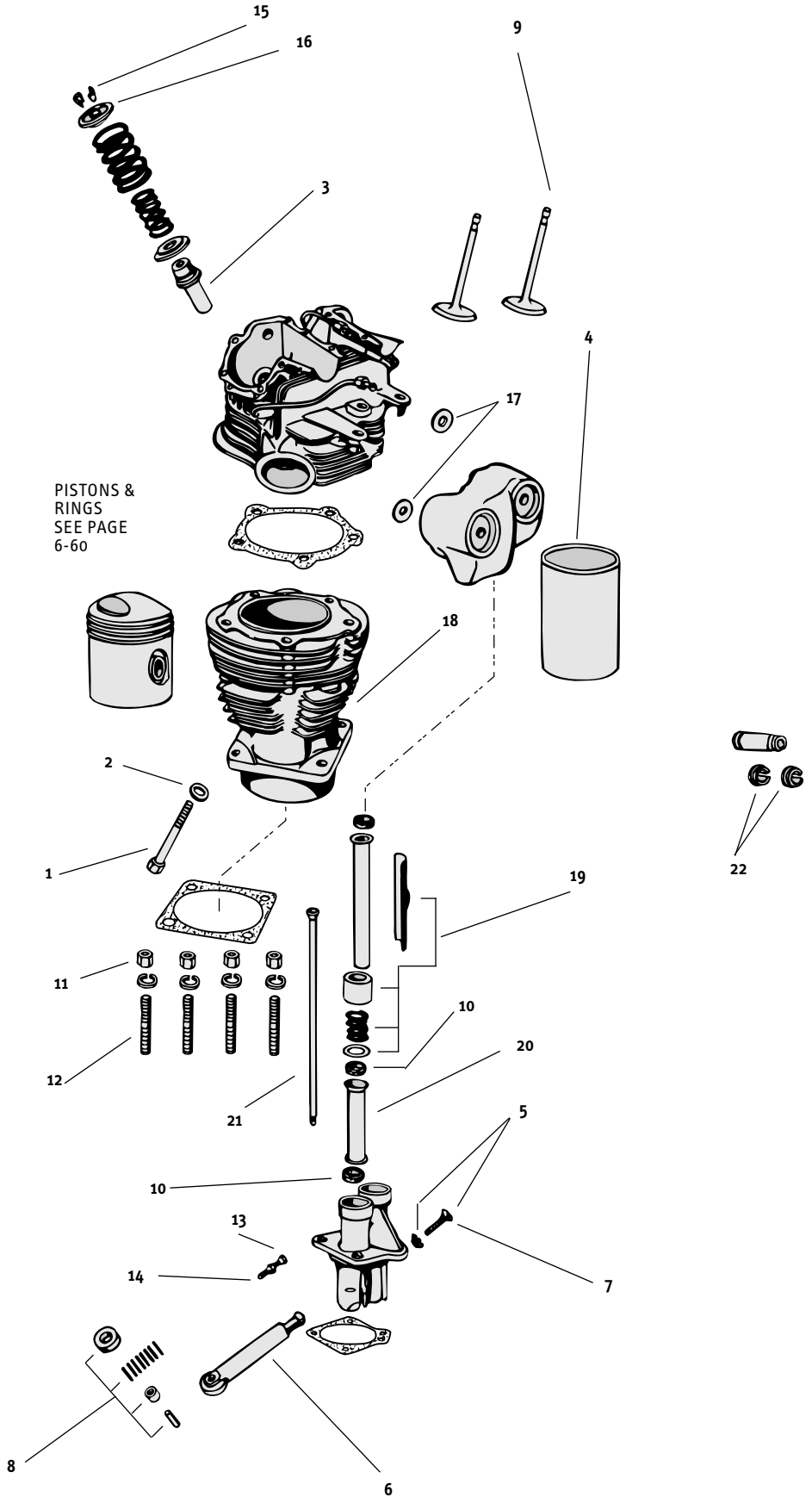
TOP END ENGINE PARTS FOR KNUCKLE 61 & 74 C.I. 1936 THRU 1947

ALL PARTS SOLD EACH EXCEPT AS NOTED

1	**93-420**	CAD PLATED BOLT KIT WITH WASHERS KNUCKLE 1940 / 1947 COLONY. SOLD AS SET
2	**41-398**	HEAD BOLT WASHER KIT. COLONY. (OEM 6469)
3	**91-481**	STANDARD SIZE CAST IRON INTAKE VALVE GUIDE 61" & 74" KNUCKLE 1936 / 1947.
	91-486	.002 OVER STOCK SIZE CAST IRON EXHAUST VALVE GUIDE 61" & 74" KNUCKLE 1936 / 1947.
4	—	CYLINDER LINER 3-7/16" X 6-5/8", 3/32" WALL FOR 74"
5	**91-300**	CHROME TAPPET BLOCK SCREW & WASHER SET 8 SCREWS & 8 WASHERS. COLONY (OEM 2329 & 7231) SOLD AS SET
6	—	EXHAUST TAPPET ASSY. JIMS MACHINING. (OEM 18493-36)
7	**41-767**	CHROME ALLEN HEAD TAPPET BLOCK SCREW KIT, 8 SCREWS. COLONY (OEM 2329) SOLD AS KIT
8	**91-74**	TAPPET ROLLER KIT BIG TWIN 1936 / 1984. MIDWEST (OEM 18534-29) SOLD AS KIT OF FOUR
9	—	INTAKE VALVE BIG TWIN 1936 / 1947. (OEM 18071-36)
11	**41-401**	16 PIECE CHROME BASE NUT & WASHER SET. COLONY. SOLD AS SET
12	—	8 PIECE CYLINDER BASE STUD SET. COLONY (OEM 16831-30) SOLD AS SET
13	**91-239**	9/32-32 LOCK NUT ONLY. **U.S.A. MADE** (OEM 18570-38)
14	**91-242**	SCREW ONLY. **U.S.A. MADE**
15	**91-244**	VALVE KEYS. MANLEY. (OEM 18228-36) SET OF FOUR PAIR
16	**91-269**	COLLARS **U.S.A. MADE** SET OF FOUR
17	—	ROCKER ARM SHIM SET. COLONY. SET OF FOUR PIECES
18	—	FRONT 74" CYLINDER. (OEM 16483-41)
	93-266	REAR 74" CYLINDER. (OEM 16491-41)
19	**89-63**	OUTER UPPER PUSHROD COVER KIT (2" LONG CLIPS) KNUCKLE 1936 / 1939. COLONY. SOLD AS SET
	89-62	OUTER UPPER PUSHROD COVER KIT (3-5/16" LONG CLIPS) KNUCKLE 1940 / 1947. COLONY. SOLD AS SET
20	**89-135**	OEM STYLE LOWER PUSHROD COVER KIT KNUCKLE 1940 / 1947. INCLUDES CORKS. COLONY. SOLD AS SET
21	**91-266**	ALUMINUM ALLOY TUBULAR PUSHRODS KNUCKLE 74" 1936 / 1947 **U.S.A. MADE** SOLD AS SET OF FOUR
22	**93-362**	CIRCLIP FOR 1937 / 1972. (OEM 22581-32)

TOP END ENGINE PARTS FOR KNUCKLE 61 & 74 C.I. 1936 THRU 1947

ALL PARTS SOLD EACH EXCEPT AS NOTED



TOP END ENGINE PARTS FOR PAN 61 & 74 C.I. 1948 THRU 1965

SOLD EACH EXCEPT AS NOTED

COMPLETE PUSHROD COVER KIT ON PAGE 6-6/64 **ALSO AVAILABLE COMPLETE ASSORTMENT OF DECORATIVE NUTS & BOLTS IN SECTION 14**

1	**91-244**	VALVE KEEPERS FOR H-D® 74". MANLEY. (OEM 18228-36) SOLD AS SET OF FOUR PAIRS
2	**91-269**	TOP VALVE COLLARS FOR H-D® 74". USES STOCK KEEPERS. **U.S.A. MADE** SOLD AS SET OF FOUR
3	—	VALVE SPRING. SOLD AS SET OF FOUR INNER & FOUR OUTER
4	—	SEAL & SLEEVE FOR LATE 1981 & LATER, INTAKE & EXHAUST. SEE BELOW FOR INSTALLATION TOOL
5	**78-370**	VALVE GUIDE GASKET. **U.S.A. MADE** (OEM 18196-51)
7	**41-398**	HEAT TREATED CAD PLATED HEAD BOLT WASHERS ALL H-D® EXCEPT ALUMINUM FLATHEAD MODELS. SOLD AS SET
8	**93-421**	CAD PLATED HEAD BOLT & WASHER KIT PAN & SHOVEL 1948 / 1984. COLONY. (OEM 6469)
9	**93-272**	FRONT 74" CYLINDER
	93-273	REAR 74" CYLINDER
10	—	CHROME HORSE® STAINLESS STEEL ALLEN VALVE COVER SCREW KIT FOR ALL PAN WITH STEEL D-RINGS. SOLD AS KIT
	91-665	STOCK STYLE SCREWS. 45/64" LONG FOR STEEL RINGS. COLONY. 24 PIECES
	91-302	LONG ALLEN SCREWS FOR BOTH ROCKER COVERS, FOR THICK RING. CHROME. 24 PIECES. GARDNER WESCOTT. SOLD AS KIT
11	**89-73**	REINFORCEMENT D-RINGS WITH SCREWS. THICK ALUMINUM, CHROME PLATED. (OEM 17509-54A) SOLD AS SET OF TWO
12	—	ROCKER ARM COVER. SOLD AS PAIR
13	**78-146**	ROCKER ARM COVER GASKET, FIBER, 1/8" THICK.
14	**91-350**	ROCKER OHV ASSEMBLY, REAR INTAKE/FRONT EXHAUST. SOLD AS ASSY.
15	**91-349**	ROCKER OHV ASSEMBLY, REAR EXHAUST/FRONT INTAKE. SOLD AS ASSY.
16	—	ROCKER ARM SET. (OEM 17360-48 & 17375-48) SOLD AS SET
18	**78-33**	FRONT CYLINDER BASE GASKET 1963 / 1965. **U.S.A. MADE** (OEM 16776-63)- 1/4 X 20
	78-51	REAR CYLINDER BASE GASKET 1963 / 1965 **U.S.A. MADE** (OEM 16777-63) - 1/4 X 24
19	—	CYLINDER LINER 3-7/16" X 6-5/8", 3/32" WALL FOR 74"
20	—	8 PIECE CYLINDER BASE STUD SET. COLONY. (OEM 16831-30) SOLD AS SET
21	**41-401**	16 PIECE CHROME BASE NUT & WASHER SET. COLONY. SOLD AS SET
22	**91-512**	UPPER (INNER) PUSHROD COVER ALL OHV BIG TWIN 1936 / 1979. COLONY. SOLD AS KIT OF FOUR
23	**91-321**	SPRING. **U.S.A. MADE**
24	**91-322**	WASHER. **U.S.A. MADE** (OEM 6762B)
25	**95-435**	COLONY SQUARE NEOPRENE PUSHROD TUBE SEAL KIT. (OEM 17955-36 & 17955-48)
26	**89-61**	UPPER (OUTER) PUSHROD COVER KIT WITH 2-3/8" CLIPS, FOR PAN 1948 / 1965. COLONY. SOLD AS SET
27	**91-263**	ALUMINUM ALLOY TUBULAR PUSHROD & HYDRAULIC LIFTER CONVERSION KIT PAN 1953 / 1965 **U.S.A. MADE** SOLD AS KIT
	91-267	ALUMINUM ALLOY TUBULAR PUSHROD KIT 74" 1948 / 1952 **U.S.A. MADE** SOLD AS KIT
	91-280	ALUMINUM ALLOY TUBULAR PUSHROD KIT 74" 1953 / 1965 **U.S.A. MADE** SOLD AS KIT
28	**91-242**	SCREW ONLY. **U.S.A. MADE**
29	**91-239**	NUT ONLY. **U.S.A. MADE**
30	**41-767**	CHROME ALLEN HEAD TAPPET BLOCK SCREW KIT 8 SCREWS 1/4-24 TAPER 1936 / 1976. COLONY (OEM 2329) SOLD AS KIT
31	**91-300**	CHROME TAPPET BLOCK SCREW & WASHER SET 8 1/4-24 TAPER SCREWS SCREWS & 8 WASHERS 1936 / 1976. COLONY (OEM 2329 & 7231) SOLD AS SET
32	**95-435**	COLONY SQUARE NEOPRENE PUSHROD TUBE SEAL KIT. (OEM 17955-36 & 17955-48)
33	**91-638**	CHROME LIFTER BASE SET FOR 1953 & LATER. COMES WITH 8 ALLEN SCREWS. 1/4 - 20 AND 1/4 - 24. SOLD AS SET
34	**91-605**	MIDWEST HYDRAULIC UNIT. (OEM 17920-53A)
35	**91-285**	HYDRAULIC TAPPET. JIMS. (OEM 18522-53A)
	91-289	HYDRAULIC TAPPET, .005 O.S. JIMS.
36	**91-283**	MECHANICAL TAPPET. JIMS. (OEM 18492-48)
	91-669	MECHANICAL TAPPET .005 OVER SIZE.
37	**91-74**	TAPPET ROLLER KIT BIG TWIN 1936 / 1984.MIDWEST (OEM 18534-29) SOLD AS PKG. OF FOUR
38	**93-362**	CIRCLIP FOR 1937 / 1972. (OEM 22581-32)



97-42

97-43

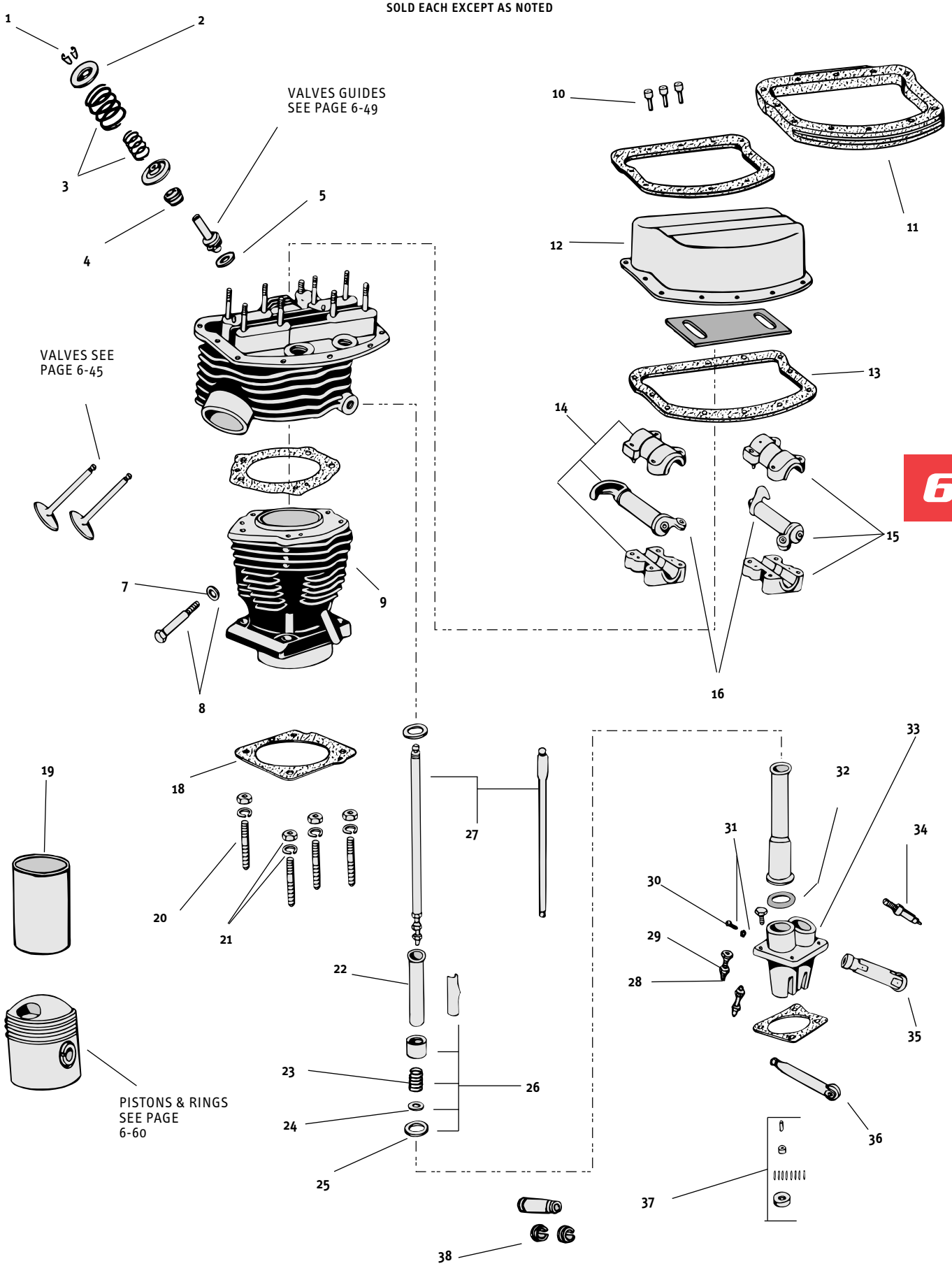
INSTALLATION TOOL FOR VALVE GUIDE SEAL & SLEEVE

This tool is used for installing valve guide seal & sleeve.

97-42 Used on XL & 80" Shovel.I.D. .530, O.D. .625. **SOLD EACH**
97-43 Used on 74" Shovel & Evolution®. I.D. .411, O.D. .562.

TOP END ENGINE PARTS FOR PAN 61 & 74 C.I. 1948 THRU 1965

SOLD EACH EXCEPT AS NOTED



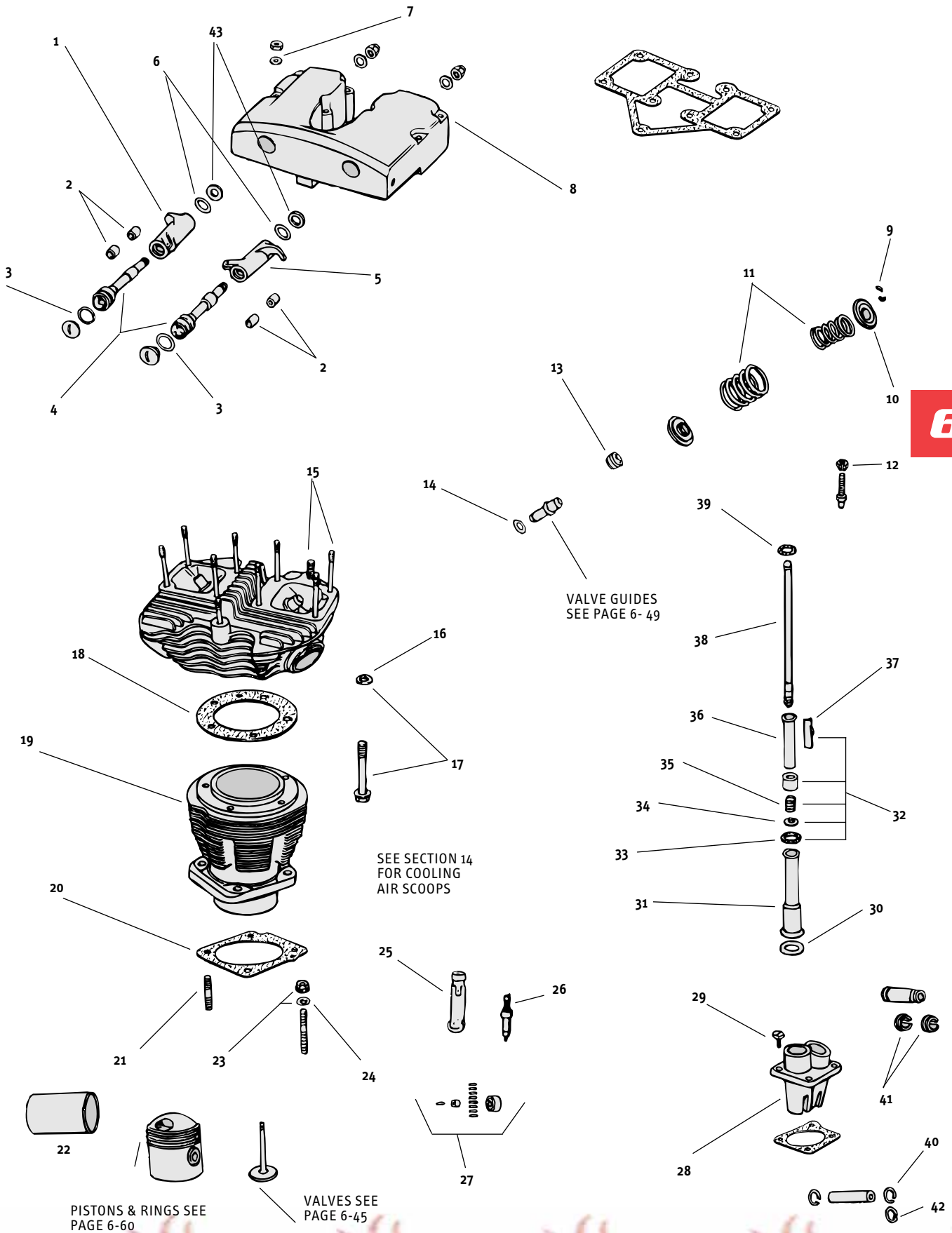
TOP END ENGINE PARTS FOR 74 C.I. (1200CC) & 80 C.I. (1340CC) 1966 THRU 1984

ALL PARTS SOLD EACH EXCEPT AS NOTED

1	**91-313**	REAR EXHAUST / FRONT INTAKE ROCKER ARM (OEM 17360-66) SOLD EACH
	91-839	HEAT TREATED CHROME MOLY ROLLER ROCKER ARMS. JIMS (OEM 17360-66) SOLD AS KIT OF FOUR ROCKER ARMS
2	**95-356**	BUSHING (OEM 17428-57) USE FOUR
3	**95-701**	O-RING **U.S.A. MADE** (OEM 11101)
4	**91-287**	ROCKER SHAFT (OEM 17611-66A)
5	**91-314**	FRONT EXHAUST / REAR INTAKE ROCKER ARM (OEM 17375-66) SOLD EACH
	91-839	HEAT TREATED CHROME MOLY ROLLER ROCKER ARMS. JIMS (OEM 17360-66) SOLD AS KIT OF FOUR ROCKER ARMS
6	**91-277**	ROCKER ARM SHIM .005. **U.S.A. MADE**
	91-469	ROCKER ARM SHIM .010. **U.S.A. MADE**
	91-470	ROCKER ARM SHIM .020. **U.S.A. MADE**
7	**40-318**	CHROME ROCKER ARM COVER HARDWARE KIT FOR ALL SHOVEL. INCLUDES 18 HEX NUTS & 18 FLAT WASHERS. COLONY (OEM 7753 & 6016) SOLD AS KIT
8	**89-344**	CHROME PLATED SHOVEL ROCKER ARM COVERS FOR 1966 / 1984. SEE PAGE 6-39 FOR MORE INFORMATION. SOLD AS SET
	89-389	POLISHED SHOVEL ROCKER ARM COVERS FOR 1966 / 1984. SEE PAGE 6-39 MORE INFORMATION. SOLD AS SET
9	**91-244**	VALVE KEYS FOR 74" & 80". MANLEY. (OEM 18228-36) SOLD AS SET OF 4 PAIRS
10	**91-269**	TOP VALVE COLLARS. USES STOCK KEEPERS. **U.S.A. MADE** SOLD AS SET OF 4
11	**—**	VALVE SPRING SET. SOLD AS SET OF FOUR INNER & FOUR
12	**91-239**	NUT ONLY. **U.S.A. MADE** (OEM 18570-38)
13	**—**	SEAL & SLEEVE FOR LATE 1981 & LATER, INTAKE & EXHAUST.
14	**78-370**	VALVE GUIDE GASKET. **U.S.A. MADE** (OEM 18196-51)
15	**91-688**	ROCKER BOX STUD KIT INCLUDES 8 LONG, 2 SHORT, AND 1 MOTOR MOUNT STUDS. **U.S.A. MADE** SOLD AS KIT
16	**41-398**	HEAT TREATED CAD PLATED HEAD BOLT WASHERS ALL H-D® EXCEPT ALUMINUM FLATHEAD MODELS. COLONY. SOLD AS SET
17	**93-421**	CAD PLATED HEAD BOLT & WASHER KIT PAN & SHOVEL 1948 / 1984. COLONY. (OEM 6469)
18	**78-61**	HEAD GASKET, TEFLON. **U.S.A. MADE** (OEM 16770-66)
19	**93-268**	1340CC CYLINDER ONLY, FRONT
	93-269	1340CC CYLINDER ONLY, REAR
	93-270	1200CC CYLINDER ONLY, FRONT
	93-271	1200CC CYLINDER ONLY, REAR
20	**78-33**	CYLINDER BASE GASKET, FRONT **U.S.A. MADE** (OEM 16776-63)
	78-51	CYLINDER BASE GASKET, REAR **U.S.A. MADE** (OEM 16777-63)
21	**—**	CYLINDER BASE STUD SET FOR 1930 / 1977. COLONY. (OEM 16831-30) 8 PIECES
22	**—**	CYLINDER LINER 3-1/2" X 6-5/8", 3/32" WALL FOR 80" OHV
23	**41-401**	16 PIECE CHROME BASE NUT & WASHER SET. COLONY. SOLD AS SET
24	**—**	8 PIECE CYLINDER BASE STUD SPACER SET FOR 1978 / 1984. COLONY. (OEM 16836-78) SOLD AS SET
25	**91-285**	HYDRAULIC TAPPET. JIMS. (OEM 18522-53A)
	91-289	HYDRAULIC TAPPET, .005 O.S. JIMS.
26	**91-605**	MIDWEST HYDRAULIC UNIT FOR PAN & SHOVEL 1953 / 1984. (OEM 17920-53A)
27	**91-74**	TAPPET ROLLER KIT BIG TWIN 1936 / 1984. MIDWEST (OEM 18534-29) SOLD AS KIT OF FOUR
28	**91-361**	BLACK TAPPET GUIDE FOR FRONT CYLINDER - REQUIRES FLAT BOTTOM SCREWS (OEM 18600-66B)
	91-362	BLACK TAPPET GUIDE FOR REAR CYLINDER - REQUIRES FLAT BOTTOM SCREWS (OEM 18610-66B)
	91-526	CHROME TAPPET GUIDE FOR FRONT CYLINDER - REQUIRES FLAT BOTTOM SCREWS
	91-527	CHROME TAPPET GUIDE FOR REAR CYLINDER - REQUIRES FLAT BOTTOM SCREWS
	91-638	CHROMED LIFTER BASE SET WITH 8 ALLEN SCREWS. 1/4 - 20 AND 1/4 - 24. SOLD AS SET
29	**41-768**	CHROME 1/4 - 20 ALLEN SCREW 1976 & LATER. COLONY
	91-300	16 PIECE CHROME TAPPET BLOCK SCREW & WASHER SET 8 1/4-24 TAPER SCREWS SCREWS & 8 WASHERS 1936 / 1976. COLONY (OEM 2329 & 7231) SOLD AS SET
30	**95-435**	SQUARE NEOPRENE PUSHROD TUBE SEAL KIT. COLONY (OEM 17955-36 & 17955-48)
	95-701	O-RING **U.S.A. MADE** (OEM 11101)
31	**89-134**	LOWER PUSHROD COVERS (NOT GROOVED) PAN & SHOVEL 1948 /EARLY 1979. **NOTE:** WILL FIT LATE 1979 / 1983 BY USING PART NO. **91-512** UPPER INNERS. COLONY. SOLD AS SET
	89-59	LOWER PUSHROD COVERS FOR PAN & SHOVEL, 1948 & LATER, GROOVED. COLONY. SOLD AS SET
32	**89-62**	UPPER OUTER PUSHROD COVER KIT FOR KNUCKLE 1940 / 1947, AND ALL SHOVEL & EVOLUTION® (3-5/16" LONG CLIPS) COLONY. SOLD AS SET OF FOUR
33	**95-241**	O-RING LATE 1979 & LATER. **U.S.A. MADE** (OEM 11132)
34	**91-322**	WASHER. **U.S.A. MADE** (OEM 6762B)
35	**91-321**	SPRING. **U.S.A. MADE**
36	**91-512**	UPPER INNER SHOVEL (LONGEST LENGTH) PUSHROD COVERS ALL OHV BIG TWIN 1936 / EARLY 1979 & SPORTSTER® 1957 / 1985. COLONY. SOLD FOUR PER KIT
37	**91-328**	RETAINER. (OEM 17950-66)
38	**91-262**	TUBULAR PUSHRODS H-D® 74" 1966 & LATER. USE WITH HYDRAULIC LIFTERS **U.S.A. MADE**
39	**95-701**	O-RING **U.S.A. MADE** (OEM 11101)
40	**93-221**	SPIRAL TYPE CIRCLIP FOR 1973 / 1977. (OEM 22582-52)
41	**93-362**	CIRCLIP FOR 1937 / 1972. (OEM 22581-32)
42	**93-422**	RETAINING RING FOR 1978 & LATER. (OEM 22588-78)
43	**91-549**	ROCKER SHAFT SPACER. SOLD EACH

TOP END ENGINE PARTS FOR 74 C.I. (1200CC) & 80 C.I. (1340CC) 1966 THRU 1984

COMPLETE ASSORTMENT OF DECORATIVE NUTS & BOLTS IN SECTION 14



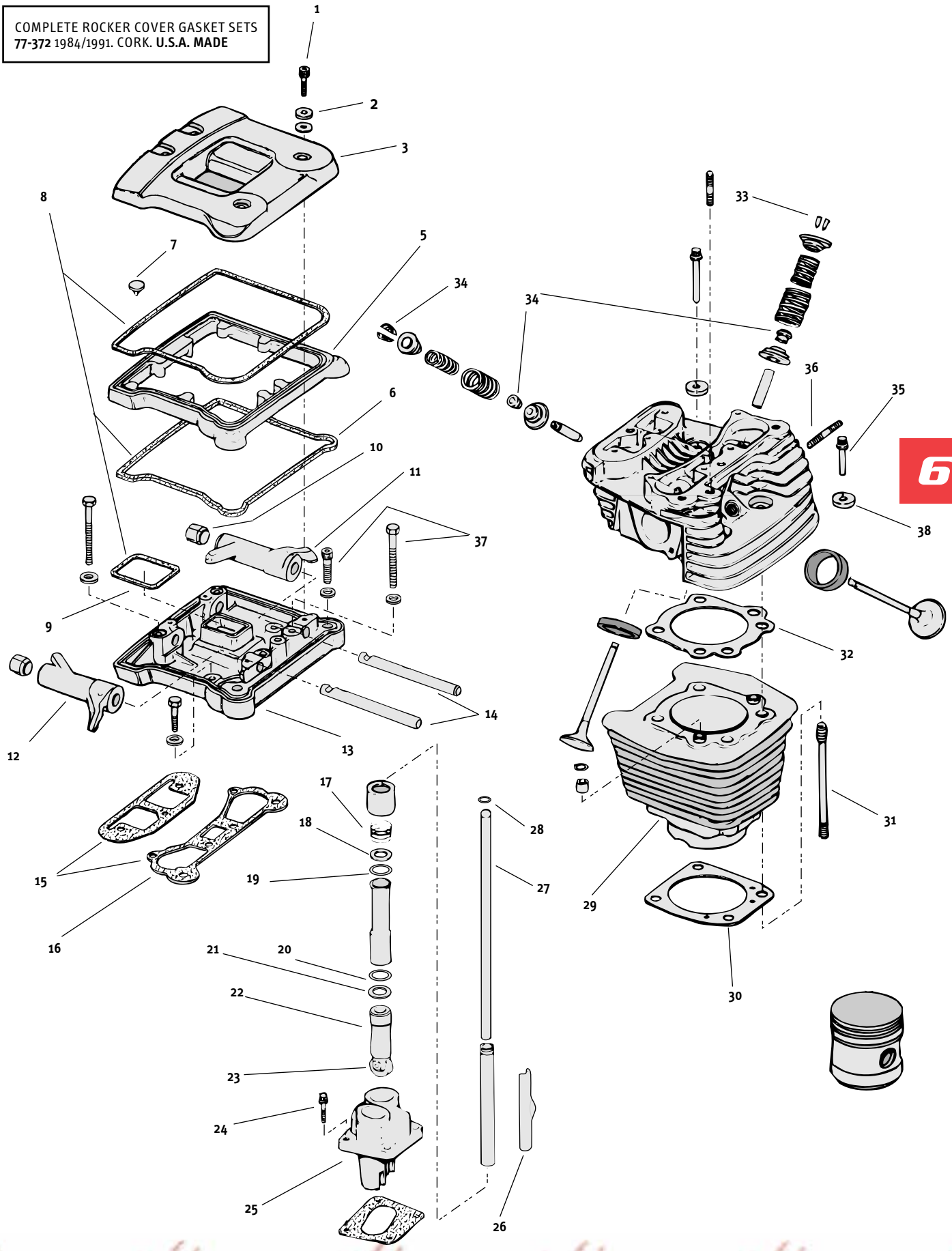
TOP END ENGINE PARTS FOR EVOLUTION® BIG TWIN 1984 & LATER

ALL PARTS SOLD EACH EXCEPT AS NOTED **ALSO AVAILABLE COMPLETE ASSORTMENT OF DECORATIVE NUTS &BOLTS IN SECTION 14**

1	**41-937**	CHROME ROCKER COVER ALLEN BOLT. COLONY
2	**78-444**	FIBER WASHER. **U.S.A. MADE** (OEM 63858-49)
3	**89-351**	CHROME ROCKER COVER 1984 / 1991 (OEM 17528-84A)
5	**89-374**	MIDDLE SPACER 1984 / 1992 (OEM 17510-84)
6	**—**	CORK. **U.S.A. MADE** (OEM 17355-84)
7	**78-205**	UMBRELLA VALVE 1993 & LATER (OEM 26856-89)
8	**78-320**	3-PIECE ROCKER CORK SET 1984/1991 SOLD AS SET
9	**78-366**	84'-99 INNER ROCKER COVER GASKET RUBBER (OEM 17358-84A)
10	**95-356**	ROCKER BUSHING. (OEM 17428-57)
11	**91-621**	ROCKER ARM, FRONT INTAKE/ REAR EXHAUST. MIDWEST (OEM 17360-83) SOLD EACH
	91-699	ROLLER ROCKER ARM SET FOR BIG TWIN 1984 & LATER. (OEM 17360-83 & 17375-83) SOLD AS SET OF FOUR ROCKER ARMS
12	**91-622**	ROCKER ARM, REAR INTAKE/ FRONT EXHAUST. MIDWEST (OEM 17375-83) SOLD EACH
	91-699	ROLLER ROCKER ARM SET FOR BIG TWIN 1984 & LATER. (OEM 17360-83 & 17375-83) SOLD AS SET OF FOUR ROCKER ARMS
13	**89-375**	BOTTOM ROCKER CARRIER 1984 / 1992. (OEM 17530-84B)
14	**91-666**	ROCKER ARM SHAFT **U.S.A. MADE** (OEM 17611-83)
15	**78-321**	2-PIECE GASKET SET WITH SILICONE BEAD 1984 & LATER. IMPORT. SOLD AS SET
16	**78-357**	SILICONE GASKET (OEM 16779-84A)
	78-356	84'-99 LOWER RIGHT ROCKER GASKET FIBER. OEM 16778-84A
17	**91-321**	SPRING **U.S.A. MADE**
18	**91-322**	WASHER **U.S.A. MADE** (OEM 6762B)
19	**95-241**	O-RING **U.S.A. MADE** (OEM 11132)
20	**95-713**	O-RING **U.S.A. MADE**. (OEM 11145)
21	**91-853**	LOWER PUSHROD WASHER (OEM 6737)
22	**91-291**	BIG AXLE POWER GLIDE™ TAPPET. JIMS. (OEM 18523-86) SOLD EACH. SEE PAGE 6-48
	91-743	.005" OVER SIZE BIG AXLE POWER GLIDE™ TAPPET. JIMS. SOLD EACH. SEE PAGE 6-48
	91-757	BIG AXLE HYDROSOLID HYDRAULIC TAPPET. JIMS. SOLD AS KIT. SEE PAGE 6-48
23	**—**	ROLLER KIT ONLY. CRANE. SOLD AS KIT OF FOUR
24	**41-768**	CHROME 1/4 - 20 ALLEN SCREW 1976 & LATER. COLONY
25	**91-613**	CHROME TAPPET GUIDES, FRONT & REAR, WITH EIGHT CHROME ALLENS. (OEM 18542-83A & 18540-83A) SOLD AS SET
	91-614	BLACK TAPPET GUIDES, FRONT & REAR, WITH EIGHT CHROME ALLENS. (OEM 18542-83A & 18540-83A) SOLD AS SET
26	**91-328**	RETAINER **U.S.A. MADE** (OEM 17950-66)
27	**91-273**	ADJUSTABLE PUSHRODS, MIDWEST **U.S.A. MADE** (OEM 17900-84) SOLD AS KIT
	91-411	ADJUSTABLE PUSHRODS, ANDREWS (OEM 17900-84) SOLD AS KIT
28	**95-716**	O-RING **U.S.A. MADE** (OEM 11157)
29	**93-676**	FRONT OR REAR CYLINDER; 80 C.I. (OEM 16510-83A)
30	**78-353**	BASE GASKET **U.S.A. MADE** (OEM 16774-86A) SOLD EACH
	78-240	BASE GASKETS HAYDEN "THE" OIL FIX SOLD AS KIT. SEE PAGE 6-127
31	**93-618**	COLONY CYLINDER BASE STUDS 1985 & LATER. (OEM 16837-85B) SOLD AS SET OF 8
32	**78-352**	HEAD GASKETS, .059" THICK. COMETIC (OEM 16773-85) SOLD AS PKG. OF FIVE
33	**91-536**	VALVE KEYS. MANLEY (OEM 18229-83)
34	**—**	GUIDE SEAL. (OEM 18001-83A)
35	**41-110**	HEAD BOLT SET FOR BIG TWIN 1985 THRU 1991 AND XL 1986 THRU 1992. OEM 16480-85A & 16478-85A. TWELVE POINT STYLE. POLISHED & CHROME PLATED.
	41-111	HEAD BOLT SET FOR BIG TWIN 1992 & LATER AND XL 1993 & LATER. OEM 16480-92 & 16478-85A. POLISHED.
	40-616	LONG HEAD BOLTS
	40-617	SHORT HEAD BOLTS
36	**66-242**	EXHAUST STUDS
37	**89-416**	ROCKER BOLT KIT
38	**41-112**	HEAD BOLT WASHERS FOR BIG TWIN & XL, 1984 THRU 1991. OEM 16482-85. CHROME PLATED.

TOP END ENGINE PARTS FOR EVOLUTION® BIG TWIN 1984 & LATER

COMPLETE ROCKER COVER GASKET SETS
77-372 1984/1991. CORK. **U.S.A. MADE**

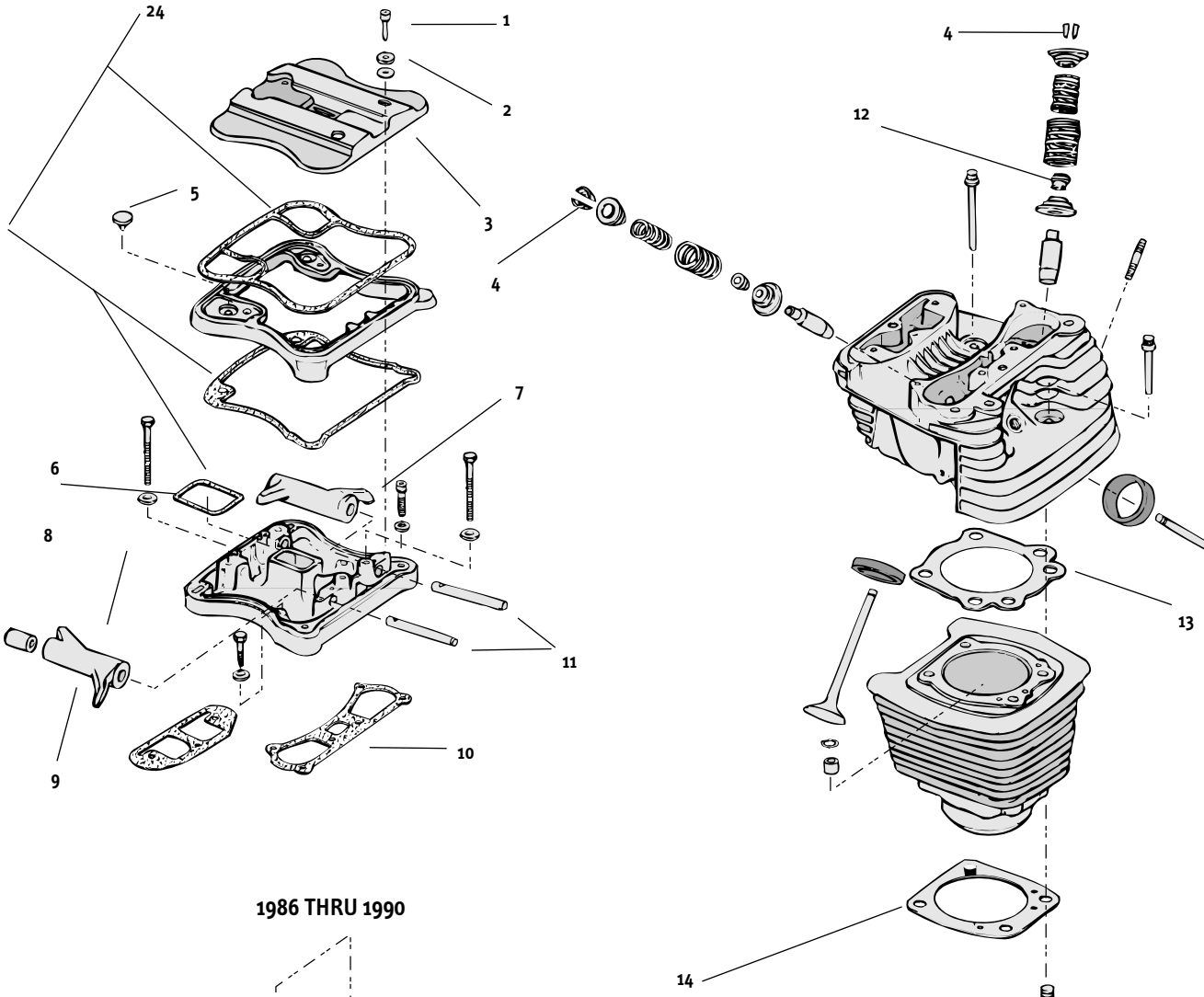


TOP END ENGINE PARTS FOR EVOLUTION® SPORTSTER® 1986 & LATER

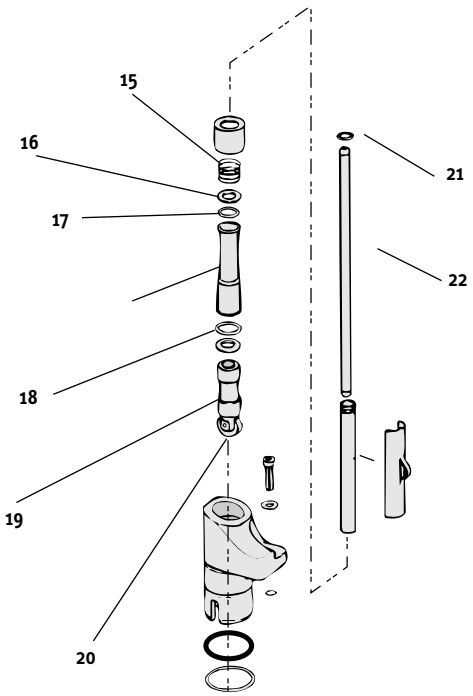
ALL PARTS SOLD EACH EXCEPT AS NOTED ALSO AVAILABLE COMPLETE ASSORTMENT OF DECORATIVE NUTS & BOLTS IN SECTION 14

1	41-937	ROCKER COVER ALLEN BOLT . CHROME. COLONY.
2	78-444	FIBER WASHER. **U.S.A. MADE** (OEM 63858-49)
3	—	ROCKER COVER, TOP ONLY. OEM 17501-86B.
4	91-536	VALVE KEYS. MANLEY. (OEM 18229-83)
5	78-205	UMBRELLA VALVE FOR 1991 & LATER. (OEM 26856-89)
6	78-366	84'-99 INNER ROCKER COVER GASKET RUBBER (OEM 17358-84A)
7	91-621	ROCKER ARM, FRONT INTAKE/ REAR EXHAUST. MIDWEST. (OEM 17360-83) SOLD EACH
8	95-356	ROCKER BUSHING. (OEM 17428-57)
9	91-622	ROCKER ARM, REAR INTAKE/ FRONT EXHAUST. MIDWEST. (OEM 17375-83)
10	78-357	GASKET, SILICONE. (OEM 16779-84A)
11	91-666	ROCKER ARM SHAFT. **U.S.A. MADE** (OEM 17611-83)
12	—	GUIDE SEAL. (OEM 18001-83A)
13	78-350	883CC HEAD GASKET. COMETIC.
14	78-353	BASE GASKET. **U.S.A. MADE** (OEM 16774-86A)
15	91-321	SPRING. **U.S.A. MADE**
16	91-322	WASHER. **U.S.A. MADE** (OEM 6762B)
17	95-241	O-RING. **U.S.A. MADE** (OEM 11132)
18	95-713	O-RING. **U.S.A. MADE** (OEM 11145)
19	91-291	TAPPET. POWER GLIDE™ - JIMS. SEE PAGE 6-45
20	—	ROLLER KIT ONLY. CRANE. SOLD AS KIT
21	95-716	O-RING. **U.S.A. MADE** (OEM 11157)
22	91-541	ADJUSTABLE PUSHRODS, ANDREWS.
23	—	COLONY CYLINDER BASE STUDS FOR 1986 & LATER. (OEM 16832-86A) SOLD AS SET OF 8
22	—	PUSHRODS, ANDREWS.
24	78-320	3-PIECE ROCKER CORK SET 1984/1991 SOLD AS SET

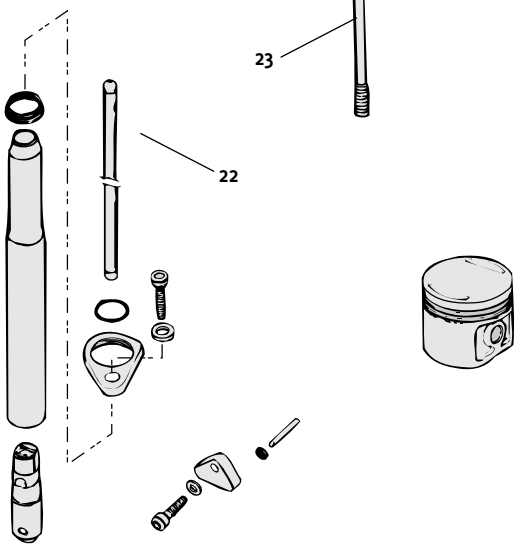
TOP END PARTS FOR EVOLUTION® SPORTSTER® 1986 & LATER



1986 THRU 1990



1991 & LATER



TOP END ENGINE PARTS FOR SPORTSTER® OHV 900CC, 1000CC & K MODEL 1957 THRU 1985

ALL PARTS SOLD EACH EXCEPT AS NOTED **COMPLETE PUSHROD COVER KITS AVAILABLE**

1	78-48	ROCKER COVER GASKET **U.S.A. MADE** (OEM 17536-70)
2	91-528	ROCKER ARM, FRONT EXHAUST (OEM 17394-57A)
	91-529	ROCKER ARM, REAR EXHAUST (OEM 17395-57A)
	91-530	ROCKER ARM, FRONT INTAKE (OEM 17396-57A)
	91-531	ROCKER ARM, REAR INTAKE (OEM 17397-57A)
3	95-356	BUSHING (OEM 17428-57) USE 4
4	91-288	ROCKER ARM SHAFT, SPORTSTER® 1957/1983 (OEM 17435-57A)
5	95-701	O-RING LATE 1979 & LATER (OEM 11101)
6	78-63	HEAD GASKET 1957/1971 ASBESTOS (OEM 16769-57)
	78-243	HEAD GASKET 1973/1985 .032" THICK. COPPER. COMETIC (OEM 16769-73) SOLD AS PKG. OF 10
7	93-259	FRONT CYLINDER FOR 1000CC LATE 1973/EARLY 1985 (OEM 16464-73B)
	93-260	REAR CYLINDER FOR 1000CC LATE 1973/EARLY 1985 (OEM 16465-73B)
8	78-41	BASE GASKET 1972 & LATER **U.S.A. MADE** (OEM 16774-72)
9	41-986	STOCK CYLINDER BASE STUD NUT/WASHER KIT.COLONY. SOLD AS SET OF 16 PIECES
10	95-241	O-RING LATE 1979 & LATER (OEM 11132) **U.S.A. MADE**
	95-436	SQUARE NEOPRENE SEAL KIT 1957 / EARLY 1979. COLONY
11	91-243	VALVE KEYS SET OF 4 PAIRS MANLEY (OEM 18228-30) SOLD AS PKG. OF FOUR PAIRS
12	–	SEAL & SLEEVE EXHAUST
13	–	TAPPET GUIDE
14	93-445	CYLINDER LINER — 3/32" WALL 900CC 3" X 6-3/16"
15	91-74	TAPPET ROLLER KIT (OEM 18534-29) SOLD AS PKG. OF FOUR
16	91-239	NUT ONLY (OEM 18510-38) **U.S.A. MADE**
17	91-284	TAPPET ASSY. (OEM 18508-52A) JIMS MACHINING
18	91-286	SCREW ONLY **U.S.A. MADE**
19	95-700	O-RING (OEM 11100) **U.S.A. MADE**
20	–	CHROME HORSE® LIFTER BASE ALLEN SCREW KIT 1957/1984 STAINLESS STEEL. SOLD AS KIT
21	91-268	PUSHROD 1957 / 1985 SOLD AS PKG. OF FOUR
22	91-512	UPPER PUSHROD COVER SOLD FOUR PER KIT
23	91-321	SPRING **U.S.A. MADE**
24	91-322	WASHER **U.S.A. MADE** (OEM 6762B)



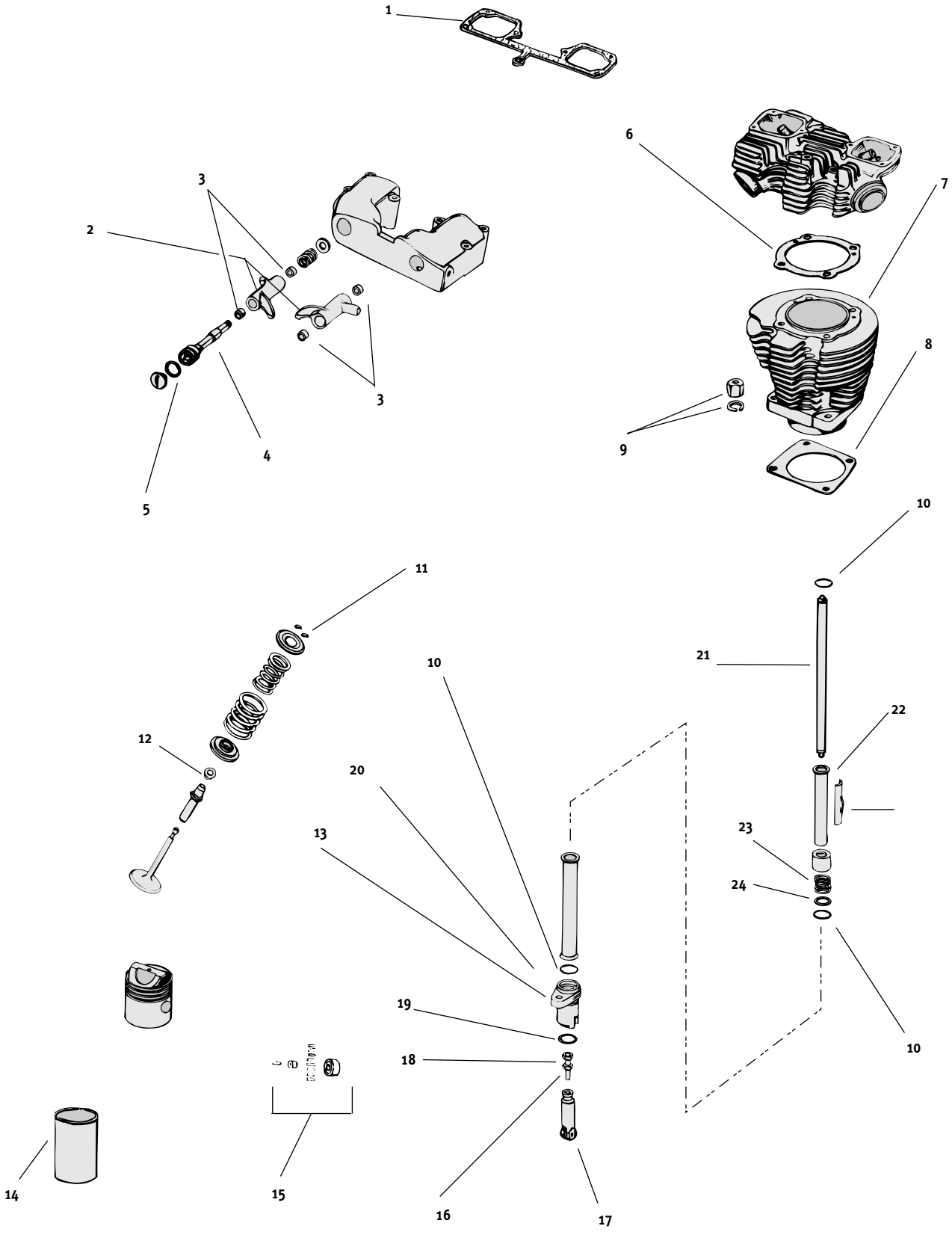
INSTALLATION TOOL FOR VALVE GUIDE SEAL & SLEEVE

This tool is used for installing valve guide seal & sleeve.

97-42	Used on XL & 80" Shovel. I.D. .530, O.D. .625.	**SOLD EACH**
97-43	Used on 74" Shovel & Evolution®. I.D. .411, O.D. .562.	

TOP END ENGINE PARTS FOR SPORTSTER® OHV 900CC, 1000CC & K MODEL 1957 THRU 1985

ALL PARTS SOLD EACH EXCEPT AS NOTED COMPLETE PUSHROD COVER KITS AVAILABLE



ULTIMA® CAM SHAFTS



These are the grinds we use in all Ultima® engines to produce unmatched performance specifications. These grinds fit all Evolution® engines. **SOLD EACH**

114-68 Ultima® cam MW520 used in Ultima® 96 C.I. applications.
114-246 Ultima® cam MW248 used in Ultima® 100 & 107 C.I. applications.
114-245 Ultima® cam MW264 used in Ultima® 113, 120 & 127 applications.
114-216 Ultima® cam MW268 used in Ultima® 140 C.I. applications.

NOTE: All timing info @ .053 tappet lift using 1.625 rocker ratio.

PART NO.	GRIND	INTAKE OPEN/ CLOSE	EXHAUST OPEN/ CLOSE	DURATION INT./EXH.	LOBE CENTER INT./EXH.	VALVE LIFT @	OVER-LAP	TDC LIFT	LOBE SEP ANGLE
114-68	MW520	28/54	69/23	262/272	103/113	.520/.520	51°	.209/.194	108
114-246	MW248	18/50	54/18	248/252	106/108	.600/.580	36°	.181/.121	107
114-245	MW264	24/60	68/20	264/268	108/114	.625/.580	44°	.218/.200	111
114-216	MW268	32/56	64/28	268/272		.626/.626	60°	.164/.149	105

CRANE CAMS FOR TWIN CAM 88™

THESE KITS ARE AVAILABLE IN THREE DIFFERENT OPTIONS:

1. ***CAM ONLY***
2. ***CAM WITH LIFTERS = CL***
3. ***CAM FOR USE WITH GEAR DRIVE = GD***



NOTE: All the below cams are for 1999 & later Twin Cam 88® engines. All cams are made for splined cam sprocket. Twin Cam 88® drive sprocket kit required for 1999 models, use Screaming Eagle® part No. 25446-99 (2000 models can use stock cam gear and cam drive sprocket bolt part No. 996 and washer part No. 6294. **NOTE:** The below Grind Numbers with the suffix "CL" are for a kit of cams with lifters; Grind Numbers with the suffix "GD" are for a kit of cams for gear drive. **Please order carefully.**

PART NO.	YEAR	SERIES & GRIND NO.	DURATION @.053". OPEN/CLOSE INT.	DURATION @.053". OPEN/CLOSE EXH.	GROSS VALVE LIFT TDC — 1.65:1 ROCKER RATIO INT.	GROSS VALVE LIFT TDC — 1.65:1 ROCKER RATIO EXH.	APPLICATION
114-206	1999/2006	**1-3003**	240	248	.570	.570	**Hot street performance, modified.** Ok with stk. C.I.or big bore kits (95 C.I.). Best power with increased comp. ratio, 9.5:1 & up and head mods. Must use Crane valve springs, clearanced for .570" lift. Great low end & mid range torque with upper rpm power. Must use performance air cleaner & free flow exhaust. Range: 1800 to 5800 rpm.

ANDREWS CAMS FOR SPORTSTERS®



PART NO.	YEAR	GRIND	TIMING	DURATION @ .050	VALVE LIFT	APPLICATION
114-24	1971/1980	Y	35/47	262	.425	Street 900/1000: Biggest cam available for no headwork installation.
—	1981/1984		53/29	262	.425	(Some 1982 engines may require spring spacing). Stock springs OK.

NOTE 1: 1981 Thru 1984 cam gear kits differ only on the No. 4 cam which does **NOT** have a tachometer gear.
NOTE 2: Late 1984 & 1985 cam gear kits must be used on **ALL** engines **WITH** alternators.



TC PERFORMANCE GEAR DRIVE CAM KIT

Stock Twin Cam 88™'s show 80+ rear wheel HP with this cam grind, providing a smooth idle & broad torque band. (2200 - 5800 RPM). Complete kit includes all four cam drive gears with installation bolts. Gasket & bearings included in this kit are necessary to complete the installation of gear drive camshafts.

NOTE: Cam specs available further in this section. Andrews cam part #114-76 is used in this kit.

114-340 Complete Andrews performance cam kit

ANDREWS CAMS FOR SHOVEL, PAN & KNUCKLE



Whether you want a better street cam for a stock motor, a big lift cam for a dragster or something in between, Andrews Products can supply it. All of their H-D® cams are computer designed and precision ground from alloy steel billets. In 1988 Andrews continued the cams which are intended to be used with lower compression pistons. They are designed with a combination of shorter durations and higher lifts which offer the advantages of a broad torque output through the rpm range.

ANDREWS

PART NO.	YEAR	GRIND	TIMING	DURATION @ .053	DURATION @ .020	VALVE LIFT		APPLICATION
			KNUCKLE ENGINE CAMS & "61" PAN CAMS					
114-26	1936/1947	N	14/42 42/14	236 236	270 270	.355 .355		New by popular demand. Stock replacement for Knuckle cam. For stock motors or restorations, this is the cam.
114-1	1936/1947	S	27/55 55/27	262 262	308 308	.370 .370		Bolt-in Knuckle performance cam for stock motors. Smooth idle, strong pull to 6000 rpm. This is the Knuckle equivalent of a "B" cam.
			CAMS FOR STREET & DRAG APPLICATIONS					
		Stock (front cyl.) H.D.	-6/46 44/20	220 244	256 282	.390 .390	.412 .176	Stock H-D® front cylinder timing listed for comparison.
		Stock (rear cyl.) H.D.	14/38 44/20	232 244	274 282	.390 .390	.412 .412	Stock H-D® rear cylinder timing listed for comparison.
114-14 **114-13** **114-4**	1948/1969 1970/1977 1978/1984	J	21/41 41/21	242 242	292 292	.405 .405	.425 .425	Mild street: Pans & Shovels, smooth idle, more power through rpm range. Bolts in with no head work
— **114-5** **114-2**	1948/1969 1970/1977 Late 1977/1984	A	21/43 43/21	244 244	296 296	.450 .450	.470 .470	Street/drags: Bolts into Shovels (except 1980 & 1981) with no head work. More mid range & high end power Idle smoothness unaffected.
114-49	1948/1969	AB	21/43	244	286	.450	.470	"**A**" Intake and a long duration exhaust for cooler running
114-50 **114-51**	1970/1977 1978/1984		50/26	256	300	.450	.470	& more high end power. Bolt in street cam (except 1980 & 1981). OK for hydraulic lifters.
114-8	1948/1969	B	26/50	256	298	.485	.507	Street/drags: Much more mid range & high end power. Idle smoothness unaffected. THE cam for modified 74/80 inchers & small strokers. Spring spacing required.
114-17 **114-15** **114-16**	1948/1969 1970/1977 1978/1984	BH	24/52 52/24	256 256	302 302	.450 .450	.470 .156	Hydraulic version of a **"B"** cam. Usually a bolt-in, but spring spacing may be required on 1980.
— — **114-38**	1948/1969 1970/1977 1978/1984	6	32/56 56/32	268 268	325 325	.510 .510	.535 .535	Hotter version of **"B"** grind. Great street cam especially for 84/88 inch strokers. Maximum torque available from 2500 to 6500 rpm.
114-9 **114-10** **114-18**	1948/1969 1970/1977 1978/1984	C	37/61 61/37	278 278	318 318	.525 .525	.550 .550	Best production cam made for big street engines. Strokers from 84 to 96 inches will really turn on with this cam. Broad torque range pulls from 2000-7000+ rpm.
			CAMS FOR LOW COMPRESSION PAN & SHOVEL ENGINES (LESS THAN 8:1)					
— — **114-154**	1948/1969 1970/1977 1978/1984	1	16/36 36/16	232 232	.427 SH/.450 PH .427 SH .427 SH			This is the low compression piston version of an "A" grind cam for 74 & 80 engines with low compression pistons.
— **114-156**	1948/1969 1970/1977	2	15/35 35/15	230 230	.490 SH/.512 PH .490 SH			This is the low compression version of a "B" grind cam. More power thru rpm range for engines with low compression pistons.

NOTE: For identification purposes, the following descriptions apply to years:
1983 & later: Evolution® engine.
1978 thru 1984: New Shovel & 1977 Low Rider.
1970 thru 1977: Alternator Shovel.
1966 thru 1969: Early Shovel.
1948 thru 1965: Pan.
1936 thru 1947: Knuckle.



Knuckle cam. The two grinds made for this engine are described above.



Cam for a 61 C.I. Pan engine.
Because of the unusual cam design these engines don't run well with a "74" Pan cam so Andrews makes stock replacement "61" cams.

ANDREWS CAMS FOR EVOLUTION® BIG TWIN



Performance cams mean extra power for Evolution® engines. Hydraulic lifters are capable of 6000+ rpm with stock springs and no valve float. Aluminum (T7) or chrome moly steel pushrods (both fully adjustable) are available to match any of Andrews' camshafts. Aluminum pushrods are lighter while the chrome moly steel pushrods are more rigid for high performance.

Also available are titanium upper valve spring collars to fit stock EV keepers & springs.

ANDREWS

PART NO.	GRIND	TIMING	DURATION @ .53	DURATION @.020	LIFT	LIFT @ TDC	SPRINGS	APPLICATION
114-46	EV13	15/31 45/13	226 238	270 280	.485 .495	.161 .148	Stock	Bolt-in street/touring cam for heavy bikes. Much more mid-range and upper power than either stock cam.
114-52	EV27	20/36 44/16	236 240	270 274	.495 .495	.182 .166	Stock	Bolt-in street cam with fast open and close ramps. Similar timing to EV3 but designed to produce a very broad torque band. Pulls - 1500 to 6000 rpm.
114-27	EV3	21/37 43/15	238 238	280 280	.495 .495	.197 .159	Stock	Bolt-in street cam for light bikes (FXRS, etc.). Lots more mid-range and upper end power. Smooth idle, 6000 rpm cam with stock heads & springs.
114-48	EV46	25/41 49/17	246 246	283 283	.495 .495	.207 .197	Stock	Bolt-in performance cam with fast open & close ramps. Longer duration than EV3 but higher static compression pressure for 6000+ rpm.
114-56	EV23	10/30 40/8	220 228		.498 .498	.134 .121	Stock	**NEW.** Bolt-in intended for use in 80" Big Twin. Crisp throttle response and strong pulling power from 1500 to 6000 rpm. Excellent cam for heavy touring bikes and high geared bikes. Also works well in higher altitudes.
114-55	EV51	28/44 54/22	252 256	286 290	.510 .510	.233 .195	Stock	Easy installation with longer duration for modified street engines with hyd. lifters. Power range from 3000 - 6500 rpm.
114-53	EV59	26/46 56/24	256 260	290 394	.560 .560	.236 .208	Hi - Lift	Fast ramps for modified 80 to 88 inch motors. Use AP springs & collars. Very broad power band; 6000 rpm. OK for hyd. lifters.
114-54	EV72	30/54 60/28	264 268	298 302	.560 .560	.246 .230	Hi - Lift	For 92 in. + street motors. Use AP springs & titanium collars. Very broad power band; 2800 - 6000 rpm. OK for hyd. lifters.

(*) Timing listed at .053 cam lift.

6

ANDREWS

CAMS FOR CHAIN DRIVE TWIN CAM 88™ ENGINES

1999-2006 TWIN CAMS®, EXCEPT 2006 DYNA®



Want more power from your new 88 engine? Andrews Products has seven proven Twin Cam 88™ grinds for 2002 to get you there. More HP and torque for stock or modified engines is within easy reach. All cam grinds listed are designed for use with stock H-D® hydraulic lifters. Cam kits include one roller bearing, one ball bearing, and one cover gasket. For any bolt-in cam grind, EZ-Install pushrods do not require removal of gas tanks or rocker boxes for installation. **SOLD AS SET**

PART NO.	GRIND	TIMING*	DURATION @ .53	DURATION @.020	VALVE LIFT	LIFT @ TDC	SPRINGS	APPLICATION
Stock (carburetor)	(A)	-02/38 36/04	216 220	257 260	.473 .473	.072 .110	Stock	Carbureted engine; **stock cam data** listed for reference. (Stock engine output is approx. 62 HP)
Stock (injectors)	(B)	02/34 36/04	216 220	257 260	.473 .473	.087 .110	Stock	Fuel injected engine; **stock cam data** listed for reference. (Stock engine output is approx. 62 HP)
114-65	TW21	10/30 40/08	220 228	255 264	.498 .498	.134 .121	Stock	Bolt-in cam first introduced in 2000, more torque for all around riding with stock CR & heavy bikes. Similar to #23 cam for EV80. (1700 - 5200 RPM)
114-57	TW26a	11/35 41/09	226 230	262 266	.490 .490	.129 .112	Stock	Bolt-in cam for low RPM torque, FLT, etc. For two up touring, this cam will add more torque & HP at lower & middle. (1800 - 5500 RPM)
		TW21 CAMS WORK WELL WITH FUEL INJECTION OR CARBURETORS						
114-58	TW37b	14/42 48/12	236 240	272 276	.510 .510	.151 .140	Stock	Twin 88's with this bolt-in cam grind have shown 80+ rear wheel HP. Smooth idle, broad torque band. (2200 - 5800 RPM)
		TW26a CAMS WORK WELL WITH FUEL INJECTION OR CARBURETORS						
114-69	TW31S	10/46 52/08	236 240	272 276	.510 .510	.151 .140	Stock	New for 2002! Got a supercharger for your TC88™? This is a 37b cam with supercharger timing. When too much is just about right. (1800 - 5800 RPM)
		TW37b CAMS WORK WELL WITH FUEL INJECTION OR CARBURETORS						
114-70	TW50	20/48 54/18	248 252	283 287	.510 .510	.184 .168	Stock	Designed in 1999 for easy installation in 95 inch motors with 9.25 CR and stock heads. (2500 - 6000 RPM)
114-67	TW55	22/46 52/20	248 252	283 292	.550 .550	.197 .181	HI-LIFT	High lift variation of the TW50; this cam is best for 95 inch engines with 9.5+ CR. Max torque & HP at middle and higher RPM. (2600 - 6300+ RPM)
114-60	TW60a	24/56 58/22	260 260	296 296	.560 .560	.205 .205	HI-LIFT	For a well prepped street engine with 95 C.I. & head work, 100+ HP is within reach. (2700 - 6500+ RPM max torque range.)

(*) Timing and duration listed for .053 cam lift.

ANDREWS

CAMS FOR GEAR DRIVE TWIN CAM 88™ ENGINES

1999-2006 TWIN CAMS®, EXCEPT 2006 DYNA®



CAMS DO NOT COME W/GEARS AS SHOWN.

Andrews Twin Cam 88™ camshafts are available with S&S® gear drives. Gear driven cams use less engine power than stock chains. If less power is needed to run the camshafts, more power gets to the rear wheel. For all-out drag motors, there is another advantage. With gear drives, super high lift cams can be used. This requires some explanation. With chain drive cams, valve lifts of .600 or higher will result in interference between front and rear cam lobes. With the gear drive cams, lobe tip angles are different so lobe-to-lobe interference cannot occur. The gear drives are so smooth that ball bearings are used on both camshafts instead of a rear roller bearing. Also, gear drive cams do not have chain tensioner shoes to wear out.

WHAT YOU NEED TO ORDER

If updating from the stock chain drive system, order: one set cams, w/inner gears and part Outer Cam Drive Gears. Refer to chart for cam part number.

If installing a gear drive style cam set from another cam manufacturer, and the kit does not include inner cam gears.

For either above installation we recommend part No. **114-221** Cam Installation Kit.

(*) Timing and duration listed for .053 cam lift.

SOLD AS SET

WITHOUT GEAR	GRIND	TIMING*	DURATION @ .53	DURATION @.020	VALVE LIFT	LIFT @ TDC	SPRINGS	APPLICATION
114-72	21G	10/30 40/08	220 228	255 264	.498 .498	.134 .121	Stock	Bolt-in cam first introduced in 2000, more torque for all around riding with stock CR & heavy bikes. Similar to #23 cam for EV80. (1700 - 5200 RPM)
		21G CAMS WORK WELL WITH FUEL INJECTION OR CARBURETORS						
114-74	26G	11/35 41/09	226 230	262 266	.490 .490	.129 .112	Stock	Bolt-in cam for lower RPM torque, FLT, etc. For two up touring, this cam will add torque & HP at lower & middle ranges. (1800 - 5500 RPM)
		26G CAMS WORK WELL WITH FUEL INJECTION OR CARBURETORS						
114-76	37G	14/42 48/12	236 240	272 276	.510 .510	.151 .140	Stock	Twin 88's with this cam grind show 80+ rear wheel HP. Smooth idle, broad torque band. Same grind as TW37b but with gear drive. (2200 - 5800 RPM)
		37G CAMS WORK WELL WITH FUEL INJECTION OR CARBURETORS						
114-80	50G	20/48 54/18	248 252	283 287	.510 .510	.184 .168	Stock	Designed in 1999 for easy installation in 95 inch motors with 9.25 CR and stock heads. (2500 - 6000 RPM)
114-82	55G	22/46 52/20	248 252	283 292	.550 .550	.197 .181	HI-LIFT	Great cam for 95 inch engines with 9.5 CR. Max torque & HP at mid and upper RPM. (2600 - 6300+ RPM)
114-84	60G	24/56 58/22	260 260	296 296	.560 .560	.205 .205	HI-LIFT	For a well prepped street engine with 95 C.I. & head work, 100+ HP is within reach. (2700 - 6500+ RPM max torque range.)
114-86	59G	29/57 63/27	266 270	303 307	.590 .590	.238 .218	HI-LIFT	Great cams for gear drive 95 inchers with 10:1 CR or higher. Max torque &HP at middle & upper ranges. (2400 - 6200+ RPM)
114-88	64G	30/62 68/32	272 276	307 312	.640 .640	.262 .232	HI-LIFT	High lift cams for modified 95 inch motors running 10:1 CR or higher. Heads must be set for .700 lift and modified for max air flow. (3000 - 6500+ RPM)

6

ANDREWS

TWIN 88 CAM DRIVE SPROCKETS



Andrews now offers heat treated steel cam drive sprockets with involute splines (All 2000 Twin Cam 88™ engines use splined drive cam sprockets.) Three spacer shims are included along with a grade 8 bolt and hardened washer. New sprockets can be set up to the same length specs as original stock sprockets. If you are into performance, steel sprockets are a must even with stock camshafts. New splined 34T cam sprockets will fit all stock model year 2000 Twin Cam 88™ rear camshafts.

114-63 34T Cam drive sprocket kit; splined. SOLD AS KIT

A. CAM SHIMS FOR BIG TWIN 1936 THRU 1999

QTY.	OEM NO.	MIDWEST PART NO.	DESCRIPTION	
1	25550-36	**98-374**	.050	INDIVIDUAL SHIMS SOLD EACH
1	25551-36	**98-375**	.055	
1	25552-36	**98-376**	.060	
1	25553-36	**98-377**	.065	
1	25554-36	**98-378**	.070	
1	25555-36	**98-379**	.075	
1	25556-79	**98-380**	.080	
1	25557-79	**98-381**	.085	
1	25558-79	**98-382**	.090	
1	25559-79	**98-383**	.095	
	N/A	**98-384**	.100	



98-373 Assorted pack of **U.S.A. MADE** cam shims sizes .050 thru .100. SOLD AS PKG

ANDREWS CAMS FOR EVOLUTION® SPORTSTER®

ANDREWS

Andrews Products makes high performance cams for all EV Sportster® engines. All of the cams listed below will run to 6500 rpm with stock hydraulic lifters. Stock H-D® hydraulic lifters are such proven units, Andrews continues to recommend that they not be changed to solids. Andrews Products EV Sportster® cams have stock base circle sizes so stock (non-adjustable) pushrods can be used (except V9 or BV grinds). Adjustable aluminum or chrome moly steel pushrods are also available. NOTE: The #2 cam drive gear used in 2000 & later model year EV Sportster® cams uses 46 teeth; the 1991 thru 1999 #2 can gear has 36 teeth. Andrews pushrods and Andrews' titanium upper valve spring collars will fit ALL Evolution® 80 engines and ALL Evolution® Sportsters®. They will provide .050 more spring travel over stock collars and will install with stock keepers.



PART NO.	YEAR	GRIND	TIMING[1]	DURATION @ .053	DURATION @.020	VALVE LIFT	TDC LIFT	APPLICATION
Stock	1988/1991	D	02/41 41/02	223 223	270 270	.458 .458	.094 .094	Listed for comparison. **NOTE:** 1985 thru 1987 exhaust is .414.
—	1986/1990	V2	22/38	240	290	.465	.180	Bolt-in cams for stock 883, 1100 or 1200 engines. More duration & lift
—	1991/1999	N2	46/18	244	290	.440	.155	means extra power thru rpm range. Stock springs & hyd. lifters
114-89	2000 & Later[2]							recommended. 2000 - 6000 rpm.
—	1986/1990	V4	30/46	256	296	.490	.216	Street/drags: For stock or modified 883, 1100 or 1200. Slightly higher
—	1991 /1999	N4	52/24	256	296	.490	.189	idle speed but stock springs & hyd. Lifters recommended.
114-90	2000 & Later[2]							RPM range: 2000 - 6000.
114-45	1986/1990	V8	32/44	256	296	.490	.226	Modified 1100 - 1200, stroked 883's with stock springs & hyd. lifters.
—	1991/1999	N8	56/28	264	302	.500	.121	Same intake cam as N4 but more exhaust cam duration.
114-91	2000 & Later[2]							Great mid-range power: 2500 - 6500 rpm.
—	1986/1990	V6	34/50	264	302	.500	.241	Modified 1200s to 80" and/or high comp. pistons. Stock springs & hyd.
114-165	1991/1999	N6	56/28	264	302	.500	.212	lifters recommended. RPM range: 2500-6800.

NOTE 1: Timing listed for .053 lift figures.
NOTE 2: Model year 2000 & later Sportster® engines require a different #2 drive gear than 1991 thru 1999 engines.

CAM GEAR GAUGE PINS

Gauge pins are used to determine correct size cam gears to use if a too-tight or too-loose fit is found. Consult a repair manual for instructions on proper use of gauge pins.

97-181 Gauge pins; .105 diameter. SOLD AS PAIR
97-182 Gauge pins; .108 diameter.



TC88™ CAM GEAR DRIVE INSTALLATION KITS FOR S&S® AND ANDREWS CAMS

114-221 **Gear Drive Installation Kit**. Gasket & bearings shown are necessary to complete the installation of **Gear Drive** camshafts. SOLD AS KIT


114-221

V THUNDER CAMS FOR BIG TWIN EVOLUTION® 1984 THRU 1999



The right cam choice can make the difference between a bike that chugs or a bike that's a slug! V Thunder™ cams provide the ultimate in arm-stretching, white knuckle power in both street and competitive applications. Most cam designers concentrate on getting the most power in a particular rpm range and disregard valve train clatter and power band width. At V Thunder™, designers pay particular attention to ramp design to keep these cams as quiet as possible and lobe design to maintain as wide a power band as possible. Made from 6150 aircraft quality American steel for best longevity and resistance to early cam failure from metal fatigue. Heat treated to provide a case depth that allows for long term use under the severest of loads. Held to extremely precise tolerances with CNC machining. Backed by hundreds of hours on the dyno & on-bike testing. **U.S.A. MADE**. Includes detailed instructions.

PART NO.	GRIND	GROSS VALVE LIFT INT./EXH.	TIMING INT./ EXH.	DURATION @ .53 INT./EXH.	TAPPET LIFT@ TDC	VALVE LIFT @ TDC	APPLICATION	SOLD EACH
114-302	EVL-3000	.500/.500	10/34 34/10	224 224	.080 .080	.128 .128	**HYD.** Bolt-in. Good low end torque for heavy bikes — 2 up riding, trailer puller. Off idle 5500 rpm.	
114-303	EVL-3010	.500/.500	15/39 39/15	234 234	.096 .096	.154 .154	**HYD.** Bolt-in. 80" Engines. Good low end torque & mid range in heavy & light bikes. 5000 - 5800 rpm. Excellent fuel mileage.	
114-304	EVL-3020	.500/.500	18/42 42/18	240 240	.106 .106	.170 .170	**HYD.** Bolt-in. 80" Engines. Strong mid range & upper end power with stk. heads. 1800 - 1600 rpm.	
114-305	EVL-3030	.530/.530	16/44 44/19	240 240	.099 .099	.158 .158	**HYD.** Use part No. **91-824/91-825** springs. 80-88" Engines. More mid & upper end power than part No. **114-304**. Works well with up to 10:1 comp. 2500-6500 rpm.	
114-306	EVL-3040	.510/.510	17/45 50/22	242 242	.101 .117	.162 .187	**HYD.** Use part No. **91-824/91-825** springs. Split duration for light bikes. 80-88" Engines. More mid range & upper end power than part No. **114-305**. 2000-6500 rpm.	
114-307	EVL-3050	.510/.510	22/50 50/22	252 252	.117 .117	.187 .187	**HYD.** Use part No. **91-824/91-825** springs. Good performance cam on light bikes. Pulls hard at upper end. Likes pipe, carb & 9:1 to 10:1 comp. & up. 6500+ rpm.	
114-308	EVL-3060	.580/.580	24/56 61/29	260 270	.129 .139	.206 .22	**HYD.** Use part No. **91-826** springs. Hot street/strip cam. Needs carb, pipes & 10:1 comp. 88" Engines & larger. 7000+ rpm.	
114-323	EVL-123-10	.609/.609	26/54 65/21	260 266	.131 .119	.213 .193	Use Hi-Lift springs. Good street/strip cam for 96" or bigger motor. Especially good for 4" bore motors. Mild compression for easier starts. Overruns from a famous engine maker — budget price for a hot cam.	

V THUNDER CAMS FOR BIG TWIN SHOVEL



SOLD EACH

The right cam choice can make the difference between a bike that chugs or a bike that's a slug! V Thunder™ cams provide the ultimate in arm-stretching, white knuckle power in both street and competitive applications. Most cam designers concentrate on getting the most power in a particular rpm range and disregard valve train clatter and power band width. At V Thunder™, designers pay particular attention to ramp design to keep these cams as quiet as possible and lobe design to maintain as wide a power band as possible. Made from 6150 aircraft quality American steel for best longevity and resistance to early cam failure from metal fatigue. Heat treated to provide a case depth that allows for long term use under the severest of loads. Held to extremely precise tolerances with CNC machining. Backed by hundreds of hours on the dyno & on-bike testing. **U.S.A. MADE**. Includes detailed instructions.

PART NO.	GRIND	GROSS VALVE LIFT INT./EXH.	TIMING INT./ EXH.	DURATION @ .53 INT./EXH.	TAPPET LIFT@ TDC	VALVE LIFT @ TDC	APPLICATION	
114-310	SHV-4000	.450/.450	14/42 42/14	236 236	.093 .093	.133 .133	1978/1984	**HYD.** Bolt-in. Strong low end. Good mid range.
114-311	SHV-4001	.450/.450	14/42 42/14	236 236	.093 .093	.133 .133	1970/1977	**HYD.** Bolt-in. Strong low end. Good mid range.
114-320	SHV-4050	.550/.550	24/56 61/29	260 270	.128 .145	.182 .207	1978/1984	**HYD.** Very hot cam for street/drag. Likes big engines. Carb, pipes & increased comp. a must. 84-96" Strokers. 7000 rpm.

PISTONS, CONNECTING RODS & FLYWHEEL PARTS FOR 61", 74", & 80" SIDE VALVE & OHV

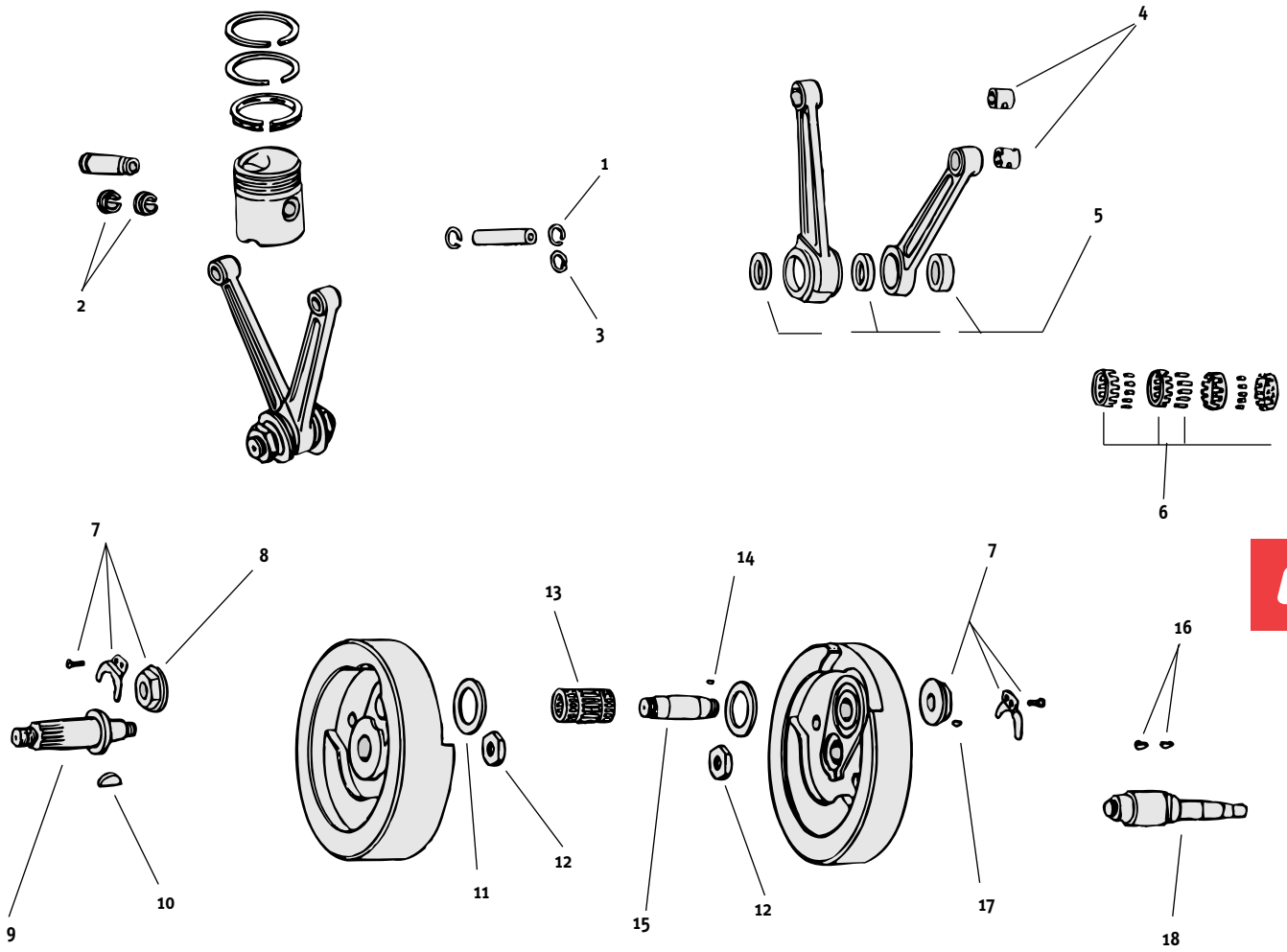
ALL MODELS AND ALL YEARS

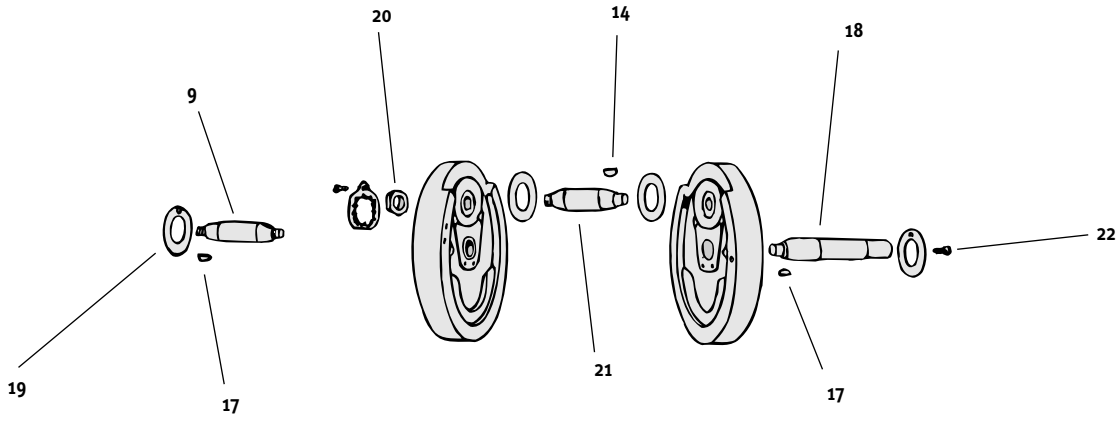
ALL PARTS SOLD EACH EXCEPT AS NOTED.

1	**93-221**	SPIRAL TYPE CIRCLIP FOR 1973 / 1977. (OEM 22582-52)
2	**93-362**	CIRCLIP FOR 1937 / 1972. (OEM 22581-32)
3	**93-422**	RETAINING RING FOR 1978 & LATER. (OEM 22588-78)
4	—	PISTON PIN BUSHING
5	**95-163**	JIMS MACHINING ROD RACES. SET OF THREE
	95-165	ROD RACES. SET OF THREE
	95-167	RACE, SINGLE ROD. (OEM 24356-36A)
6	**95-344**	RETAINER SET, LATE STYLE ALUMINUM. SOLD AS SET
7	**98-303**	CRANK PIN NUTS, LOCKS & SCREWS FOR 1941 / EARLY 1981. 1" - 18. **U.S.A. MADE**. 6 PIECES. SOLD AS KIT
8	**98-288**	CRANK PIN NUT FOR 1941 / EARLY 1981. (OEM 23966-54A) 1" - 18.
	98-421	CRANK PIN NUT FOR 1983 & LATER. JIMS. (OEM 23969-83) 1"-20.
9	**98-264**	SPROCKET SHAFT FOR 1956 / 1964. JIMS.
	98-285	SPROCKET SHAFT FOR 1930 / 1954. (OEM 24001-30)
	98-293	SPROCKET SHAFT FOR 1965 / 1969. JIMS.
	98-294	SPROCKET SHAFT FOR 1970 & 1971. JIMS.
	98-295	SPROCKET SHAFT FOR 1972 / EARLY 1981. (OEM 24001-72)
	98-339	SPROCKET SHAFT FOR LATE 1981 / EARLY 1985. JIMS.
10	**94-137**	KEY FOR 1956 & LATER. **U.S.A. MADE** (OEM 23985-56)
11	**98-271**	FLYWHEEL WASHER FOR 1941 / EARLY 1970. **U.S.A. MADE** (OEM 23973-41)
	98-298	FLYWHEEL WASHER FOR 1970 / 1979. (OEM 6506)
12	**98-423**	SPROCKET SHAFT NUT FOR LATE 1981 / EARLY 1985. **U.S.A. MADE** (OEM 24017-80) 1-1/8" - 16.
	98-424	PINION AND SPROCKET SHAFT NUT FOR 1930 / EARLY 1981. **U.S.A. MADE** (OEM 24023-36) 3/4" - 18.
	98-422	PINION SHAFT NUT FOR LATE 1981 / 1989. (OEM 24016-80) 3/4" - 20.
13	**95-259**	ROLLERS & RETAINER SET, LATE STYLE ALUMINUM, STD. SIZE. (OEM 24385-40B) SOLD AS KIT
	95-621	ROLLERS & RETAINER SET, STD. SIZE (OEM 24346-87A) SOLD AS KIT
14	**98-273**	KEY FOR 1941 / EARLY 1981. **U.S.A. MADE** (OEM 23985-18)
	98-475	KEY FOR LATE 1981 & LATER. **U.S.A. MADE** (OEM 11218)
15	**98-255**	IMPORTED CRANK PIN FOR 74" & 80", FOR 1941 / EARLY 1981. (OEM 23961-41)
	98-257	IMPORTED CRANK PIN FOR BIG TWIN LATE 1981-1999. (OEM 23961-80A)
	98-465	CRANK PIN FOR 74" & 80", 1 OIL HOLE, FOR 1941 / EARLY 1981. JIMS. (OEM 23961-41)
	98-418	**U.S.A. MADE** CRANK PIN FOR 74" & 80", 180° FOR 1941 / EARLY 1981. JIMS.
	98-419	**U.S.A. MADE** CRANK PIN FOR BIG TWINS LATE 1981 & LATER. JIMS. (OEM 23961-80 & 80A) REQUIRES CRANK PIN NUTS LATE 1983 MIDWEST PART NO **98-421** 1"-20. 180° 3 OIL HOLE.
	98-537	**U.S.A. MADE** JIM'S CRANK PIN, 1981-1999 EVO, ULTIMA® & S&S® ENGINES - 2 HOLE - INCLUDES CRANK PIN, 2 CRANK PIN NUTS, AND 1 11218 WOODRUFF KEY.
	98-354	**U.S.A. MADE** CRANK PIN FOR BIG TWINS LATE 1981 & 1999. JIMS. (OEM 23961-80 & 80A) REQUIRES CRANK PIN NUTS LATE 1983 MIDWEST PART NO. **98-421** 1" - 20. 3 OIL HOLE IN LINE.
	98-344	**U.S.A. MADE** CRANK PIN FOR 74" & 80", 3 OIL HOLES IN LINE, FOR 1941 / EARLY 1981. JIMS. (OEM 23961-41)
	98-584	**U.S.A. MADE** JIM'S CRANK PIN, 1941-E81 - 3 HOLE IN LINE - INCLUDES CRANK PIN, 2 CRANK PIN NUTS, AND 1 23985-18 WOODRUFF KEY. **SOLD AS KIT**
16	**98-305**	KEY FOR 1954 & LATER. **U.S.A. MADE** (OEM 23985-54)
17	**98-274**	KEY FOR 1936 / 1953. (OEM 23985-12)
18	**98-256**	GEAR SHAFT FOR 1958 / 1972. JIMS.
	98-286	GEAR SHAFT FOR 1939 / 1953 OHV (OEM 24007-39)
	98-289	GEAR SHAFT FOR 1955 / 1957. JIMS.
	98-291	GEAR SHAFT FOR 1973 / EARLY 1981. JIMS.
	98-355	GEAR SHAFT FOR LATE 1981 / EARLY 1986. JIMS. (OEM 24006-80 & 24006-83) **NOTE:** LATE 1981 / EARLY 1983 REQUIRES THE LATE 3/4" - 20 NUT H-D® NO. 24016-80.
	98-546	GEAR SHAFT FOR SINGLE CAM 1981 / 1999. SAME AS ABOVE **98-355** BUT HAS LONGER BUSHING NOSE FOR USE WITH OEM 1993 CAM COVER AND JIMS CAM COVER. ALSO HAS A LARGER OIL PUMP DRIVE KEY SLOT. PINION SHAFT DESIGNED TO USE WITH AFTERMARKET STROKER FLYWHEELS. USE WITH JIMS PINION GEARS AND OIL PUMP DRIVE GEAR. SHAFT INCLUDES A METERING OIL PLUG INSTALLED.
	98-427	GEAR SHAFT FOR 1987 / 1989. JIMS. (OEM 24006-87)
	98-320	GEAR SHAFT FOR 1937 / 1948 SIDE VALVE. JIMS. (OEM 24006-37)
19	**98-276**	COMPLETE SET OF FLYWHEEL THRUST WASHERS FOR 1929 / 1954. 11 PIECES. ONE WASHER THINNER & ONE THICKER THAN STOCK SET. CONTAINS ONE EACH OF .060, .066, .070, .074, .078, .082, .086, .090, .094, .098 ,AND .102. **U.S.A. MADE**. (OEM 24110-17) SOLD AS SET
20	**98-314**	CRANK PIN NUT FOR 61" & 80" SIDE VALVE. **U.S.A. MADE** (OEM 23966-36)
21	**98-346**	**U.S.A. MADE** CRANK PIN FOR 74" & 80" SIDE VALVE. (OEM 23962-40)
22	**98-312**	SCREW. JIMS MACHINING. (OEM 24020-51)

PISTONS, CONNECTING RODS & FLYWHEEL PARTS FOR 61", 74", & 80" SIDE VALVE & OHV

ALL MODELS AND ALL YEARS

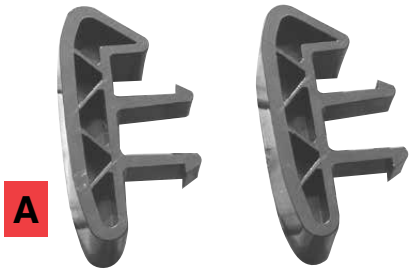




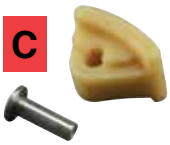
PISTONS, CONNECTING RODS & FLYWHEEL PARTS FOR SPORTSTER®/K MODELS ALL YEARS

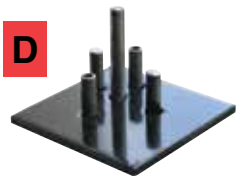
ALL PARTS SOLD EACH EXCEPT AS NOTED

1	93-221	SPIRAL TYPE CIRCLIP FOR K/SPORTSTER® 1952/EARLY 1977 (OEM 22582-52)
2	93-422	RETAINING RING 1977 & LATER (OEM 22588-78)
3	95-114	PISTON PIN BUSHING K/SPT.® 1952 & LATER. **U.S.A. MADE** (OEM 24331-36)
	95-393	PISTON PIN BUSHING FOR XL. .010 O.S.
4	98-333	CRANK PIN NUT FOR 1954/EARLY 1981. **U.S.A. MADE**
	98-420	CRANK PIN NUT FOR LATE 1981 & LATER. JIMS
5	98-265	COMPLETE CONNECTING ROD ASSY. FOR 1954/EARLY 1981. INCLUDES BOTH RODS, RACES, CRANK PIN WITH NUTS, PISTON PIN BUSHINGS RETAINERS & ROLLERS
6	98-345	U.S.A. MADE CRANK PIN KH/SPORTSTER® 1954/EARLY 1981 JIMS (OEM 23960-54)
	98-361	U.S.A. MADE CRANK PIN KH/SPORTSTER® LATE 1981 & LATER. JIMS (OEM 23960-80)
	98-347	IMPORTED CRANK PIN FOR SPORTSTER® LATE 1981-1999 (OEM 23960-80A)
7	95-164	ROD RACES. SET OF THREE
8	95-258	ROLLERS & RETAINERS FOR K/SPORTSTER®. STD. (OEM 24370-52A)
	95-345	ALUMINUM RETAINER SET ONLY
9	98-300	SPROCKET SHAFT NUT FOR 1957/1969. **U.S.A. MADE** (OEM 8025)
	98-336	SPROCKET SHAFT NUT FOR SPORTSTER® 1970 & LATER. **U.S.A. MADE** (OEM 40387-70)
10	98-318	SPROCKET SHAFT FOR 1957/1976 **U.S.A. MADE** (OEM 24000-57)
	98-301	SPROCKET SHAFT FOR 1977/EARLY 1981 **U.S.A. MADE** (OEM 24000-75)
	98-425	SPROCKET SHAFT FOR LATE 1981/1985 **U.S.A. MADE** (OEM 24000-80)
11	98-274	KEY U.S.A. MADE (OEM 23985-12)
12	98-330	WASHER FOR 1957/1971 **U.S.A. MADE** (OEM 23972-57)
	98-298	WASHER FOR 1972/EARLY 1986 (OEM 6506)
13	98-273	KEY FOR KH/SPORTSTER®. **U.S.A. MADE** (OEM 23985-18)
14	98-363	NUT FOR GEAR & SPROCKET SHAFT 1954/EARLY 1981 **U.S.A. MADE** (OEM 8011)
15	98-319	GEAR SHAFT 1957/1976 JIMS (OEM 24005-57)









A. TWIN CAM® CHAIN GUIDE

5-262 Fits all models Twin Cam® 1999-2006. Replaces OEM# 39965-99. **SOLD EACH**

B. TWIN CAM 88™ CAM BEARING

95-620 Inner cam bearing for use on 1999 & later Big Twin. 2 used per motor.Replaces OEM 9198. **SOLD EACH**

C. TWIN CAM® CHAIN TENSIONER

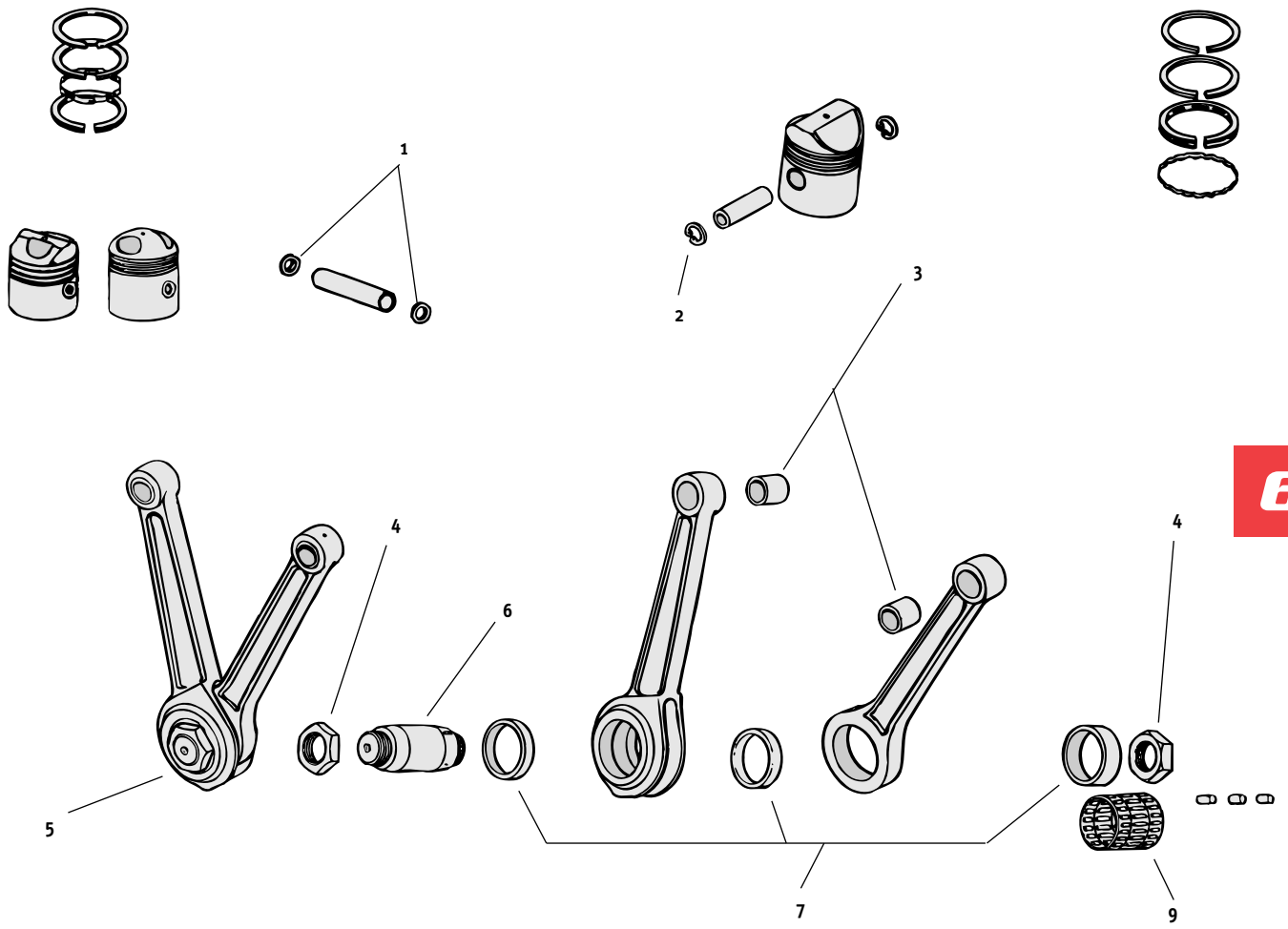
77-910 Chain tensioner pad & pin for Twin Cam® **SOLD EACH**

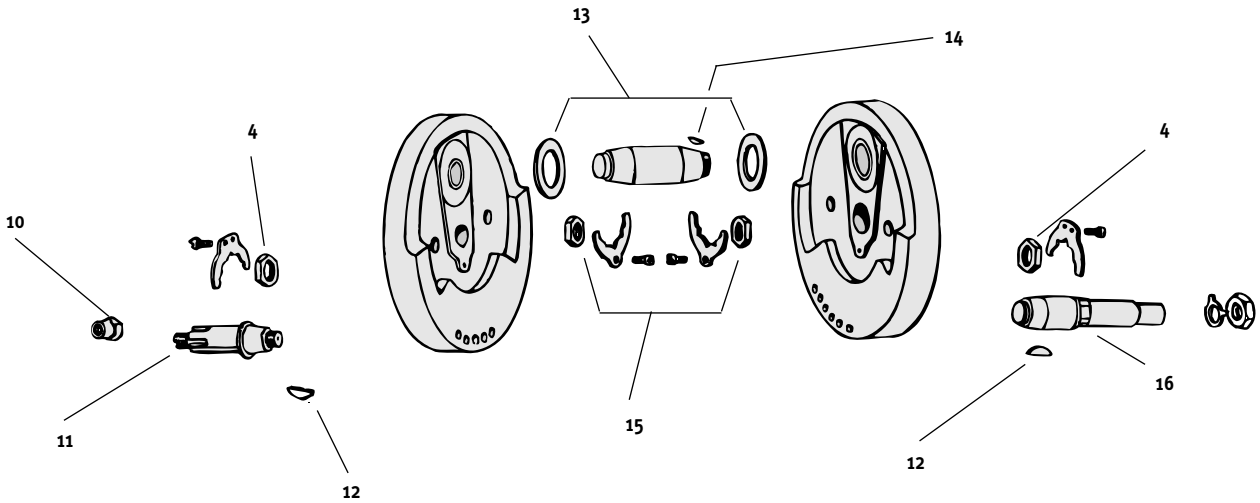
D. TWIN CAM® CHAIN TOOL

77-909 Cam chain tensioner shoe installation & removal tool **SOLD EACH**

PISTONS, CONNECTING RODS & FLYWHEEL PARTS FOR SPORTSTER®/K MODELS ALL YEARS

ALL PARTS SOLD EACH EXCEPT AS NOTED

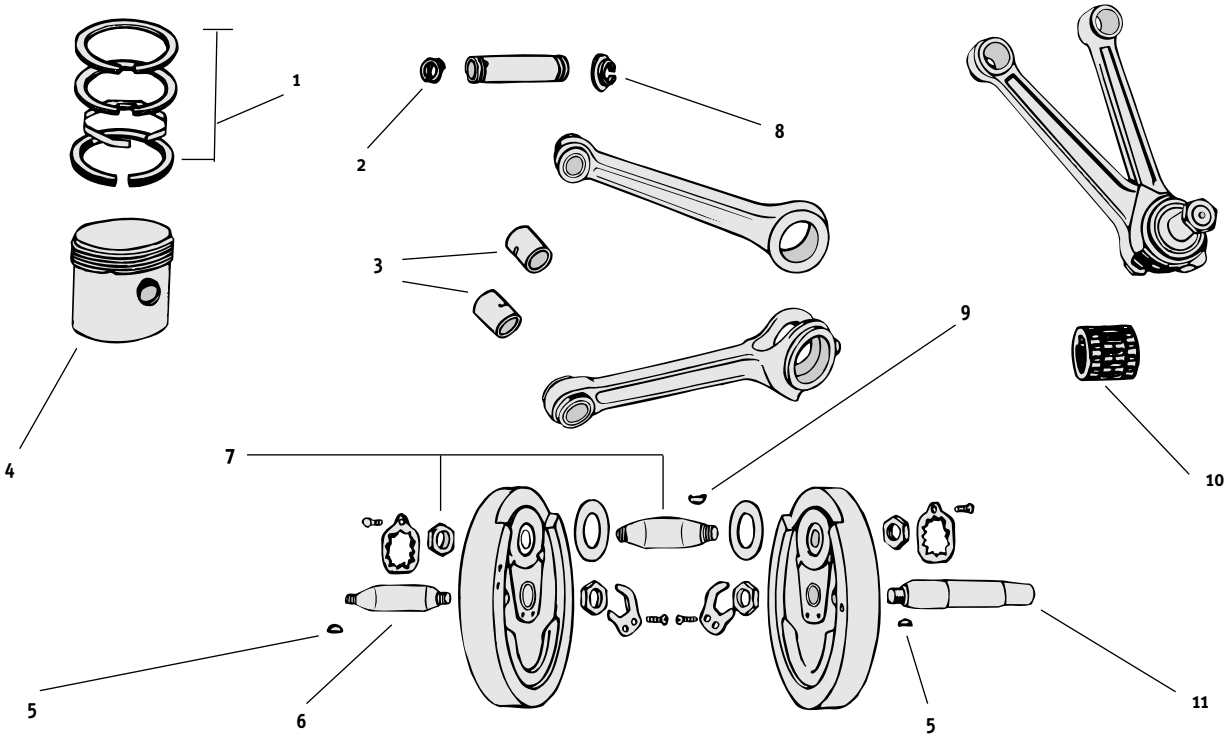




PISTONS, CONNECTING RODS AND FLYWHEEL PARTS FOR H-D® 45" SIDE VALVE
ALL MODELS & YEARS, SOLO & SERVI-CAR

ALL PARTS SOLD EACH EXCEPT AS NOTED ALL PARTS MEET OR EXCEED OEM SPECIFICATIONS

1		HASTINGS PISTON RINGS INCLUDES TWO 1/16" COMPRESSION RINGS & ONE 3/16" CHROME 3-PIECE OIL RING. FOR G & GE 1950 / 1965, K, KH & KHK 1955 & 1956, WITH 2.745" BORE. **U.S.A. MADE** SOLD AS PAIR FOR TWO PISTONS
	93-354	STANDARD SIZE PISTON RINGS
	93-355	.010 OVERSIZE PISTON RINGS
	93-356	.020 OVERSIZE PISTON RINGS
	93-357	.030 OVERSIZE PISTON RINGS
	93-358	.040 OVERSIZE PISTON RINGS
	93-359	.050 OVERSIZE PISTON RINGS
	93-360	.060 OVERSIZE PISTON RINGS
	93-361	.070 OVERSIZE PISTON RINGS
2	**93-221**	SPIRAL TYPE CIRCLIP 1956 & LATER (OEM 22582-52)
3	**95-114**	PISTON PIN BUSHING 1932 & LATER (OEM 24331-36)
4	—	PISTON, RINGS, PIN & CIRCLIP ASSY. 1932 & LATER. SOLD EACH FOR ONE PISTON
5	**98-274**	SPROCKET SHAFT / GEAR SHAFT KEY **U.S.A. MADE** (OEM 23985-12)
6	**98-317**	SPROCKET SHAFT **U.S.A. MADE** (OEM 24009-29)
7	—	CRANK PIN (OEM 23960-29)
8	**93-362**	PINLOCK 1932 / 1955 (OEM 22581-32)
9	**98-273**	CRANK PIN KEY **U.S.A. MADE** (OEM 23985-18)
10		ROLLERS & RETAINERS. SOLD AS SET
	95-198	STANDARD SIZE
11	**98-321**	GEAR SHAFT 1937 / 1954. JIMS (OEM 24005-37)



U.S.A. MADE PINION BEARING ASSEMBLY FOR BIG TWIN

1987 & LATER

U.S.A. MADE precision bearing for late model Big Twins. Consult service manual for color codes and fitting specifications.

SOLD EACH

95-602 Pinion bearing, White. OEM 24626-87.
95-603 Pinion bearing, Green. OEM 24628-87.
95-604 Pinion bearing, Red. OEM 24641-87.
95-605 Pinion bearing, Blue. OEM 24643-87.

ROD ROLLERS

SPORTSTER® WITH ALUMINUM CAGES

LONG ROLLERS: For use on Sportster® 1954 & later (17 used). Standard: 3/16" x .480.

PART NO. EACH	PART NO. QTY 100	SIZE	OEM NO.
95-275			.002 o.s.

45 C.I. FLATHEAD

SHORT ROLLERS: For use on all H-D® 45 C.I. 1929 thru 1973 (24 used). Standard: .250 x .270.

PART NO. QTY 100	SIZE	OEM NO.
95-501	Std.	9301
95-503	.0004 o.s.	9303
95-504	.0006 o.s.	9304
95-505	.0008 o.s.	9305

LONG ROLLERS: For use on all H-D® 45 C.I. 1929 thru 1973 (12 used). Standard: .250 X .550.

PART NO. QTY 100	SIZE	OEM NO.
95-495	Std.	9241
95-498	.0006 o.s.	9244
95-499	.0008 o.s.	9245

CRANK CASE ROLLERS

BIG TWIN: For right crankcase of 1953 & early 1954 (12 used). Standard: .250 x .270.

PART NO. QTY 100	PART NO. SIZE	OEM NO.
95-501	Std.	9301
95-503	.0004 o.s.	9303
95-504	.0006 o.s.	9304
95-505	.0008 o.s.	9305

SPORTSTER®: For right crankcase of 1957 thru 1978 (13 used) and Big Twin right crank case late 1954 thru 1957 (12 used). Standard: 3/16" x .800.

PART NO. QTY 100	SIZE	OEM NO.
95-511	.0008 o.s	9425

BIG TWIN: For right crank case of 1937 thru 1954 OHV, and 1937 thru 1948 side valve (12 used). Standard: 1/4" x .600.

PART NO. EACH	SIZE	OEM NO.
95-219	.Std	9261
95-220	.0002 o.s.	9262
95-292	.0004 o.s.	9263
95-293	.0006 o.s.	9264
95-294	.0008 o.s.	9265
95-295	.001 o.s.	9266



45 C.I. FLATHEAD: For right crankcase for all 45 C.I. (24 used). Standard: .250 x .550.

PART NO. QTY 100	SIZE	OEM NO.
95-495	Std.	9241
95-498	.0006 o.s.	9244
95-499	.0008 o.s.	9245

CAM/GEAR CASE PARTS FOR 61, 74 & 80 C. I. OHV ALL YEARS & MODELS

ALL PARTS SOLD EACH EXCEPT AS NOTED

ALL PARTS MEET OR EXCEED OEM SPECIFICATIONS ALSO AVAILABLE COMPLETE ASSORTMENT OF DECORATIVE NUTS & BOLTS IN SECTION 14

1	91-310	STUD & BUSHING KIT FOR 1936 THRU 1969. **U.S.A. MADE** (OEM 25791-36)
2	98-480	IDLER GEAR FOR 1936 THRU 1969 WITH LIGHTNING HOLES. (OEM 25775-36)
3	—	GEAR SPACER FOR 1936 THRU 1969. (OEM 25800-36) USE TWO
4	98-332	RETAINING RING. **U.S.A. MADE** (OEM 25810-15)
5	78-377	GASKET. **U.S.A. MADE** (OEM 25225-36, C)
6	95-418	STUD & BUSHING FOR 1936 THRU 1969. JIMS. (OEM 25856-36)
7	95-71	CAM BUSHING. **U.S.A. MADE** (OEM 25597-36)
8	98-302	GEAR SHAFT NUT FOR 1954 THRU 1989. **U.S.A. MADE** (OEM 24023-54)
	98-458	GEAR SHAFT NUT FOR 1990 THRU 1992. **U.S.A. MADE**(OEM 24022-90)
9	95-334	BUSHING. (OEM 25582-36)
10	98-487	CAM COVER DOWEL PIN FOR 1930 & LATER. (OEM 275) USE TWO
11	95-108	BUSHING. **U.S.A. MADE** (OEM 25581-36)
12	—	CIRCUIT BREAKER AND INTERMEDIATE DRIVE GEAR FOR 1936 THRU 1969. (OEM 25850-36A)
13	95-343	BUSHING. JIMS. (OEM 25785-30A)
14	41-780	TIMING COVER ALLEN HEAD SCREW KIT. CHROME. COLONY.
15	95-173	NEEDLE BEARING. (OEM 9058)
16	98-372	CAM LOCKWASHER FOR 1958 & LATER. **U.S.A. MADE**(OEM 25550-57)
17	98-89	SPACER FOR 1954 THRU 1989. **U.S.A. MADE** (OEM 24703-54)
18	95-342	FOR 1954 THRU EARLY 1973. **U.S.A. MADE** (OEM 25582-54)
19	95-340	BUSHING. **U.S.A. MADE** (OEM 25581-70)
20	—	CHROME HORSE® STAINLESS STEEL TIMING COVER ALLEN SCREW KIT FOR SHOVEL & EVOLUTION®, 1971 & LATER. SOLD AS KIT
21	95-222	OIL SEAL, SINGLE LIP. (OEM 83162-51)
23	98-305	KEY. **U.S.A. MADE** (OEM 23985-54)
24	95-341	BUSHING FOR LATE 1973 THRU 1992. **U.S.A. MADE** (OEM 25582-73)
	95-454	BUSHING FOR 1993 & LATER. **U.S.A. MADE** (OEM 25582-93)
25	88-53	CHROME PLATED CAM COVER (NOSECONE) FOR 1973 THRU 1992. FOR END OILING PINION. INCLUDES ALLEN SCREWS, GASKET AND LOCATING DOWEL SHAFT. REPLACES OEM 25258-80B & 25268-84A
	88-70	CHROME PLATED CAM COVER (NOSECONE) FOR 1993 & LATER FOR END OILING PINION SHAFT. INCLUDES LOCATING DOWEL. DOES NOT INCLUDE ALLEN SCREWS OR GASKET. REPLACES OEM 25266-93A.

A



B



C



98-510



98-511



D

D. TWIN CAM® OIL PUMP SCREENS

98-513 Twin Cam® oil pump screens. Kit includes two screens, installation tool & instructions. SOLD AS KIT

A. PINION GEAR T-KEY

98-532 T-Key for pinon gear. Fits Big Twin 1990 thru 1999. OEM 11219. SOLD AS PKG. OF TEN

B. CAM SHIMS FOR BIG TWIN 1936 THRU 1987

QTY.	OEM NO.	MIDWEST PART NO.	DESCRIPTION	
1	25550-36	**98-374**	.050	INDIVIDUAL SHIMS SOLD EACH
1	25551-36	**98-375**	.055	
1	25552-36	**98-376**	.060	
1	25553-36	**98-377**	.065	
1	25554-36	**98-378**	.070	
1	25555-36	**98-379**	.075	
1	25556-79	**98-380**	.080	
1	25557-79	**98-381**	.085	
1	25558-79	**98-382**	.090	
1	25559-79	**98-383**	.095	
	N/A	**98-384**	.100	

98-373 Assorted pack of **U.S.A. MADE** cam shims sizes .050 thru .100. SOLD AS PKG

C. BIG TWIN CRANKCASE OIL SCREEN & SPRING

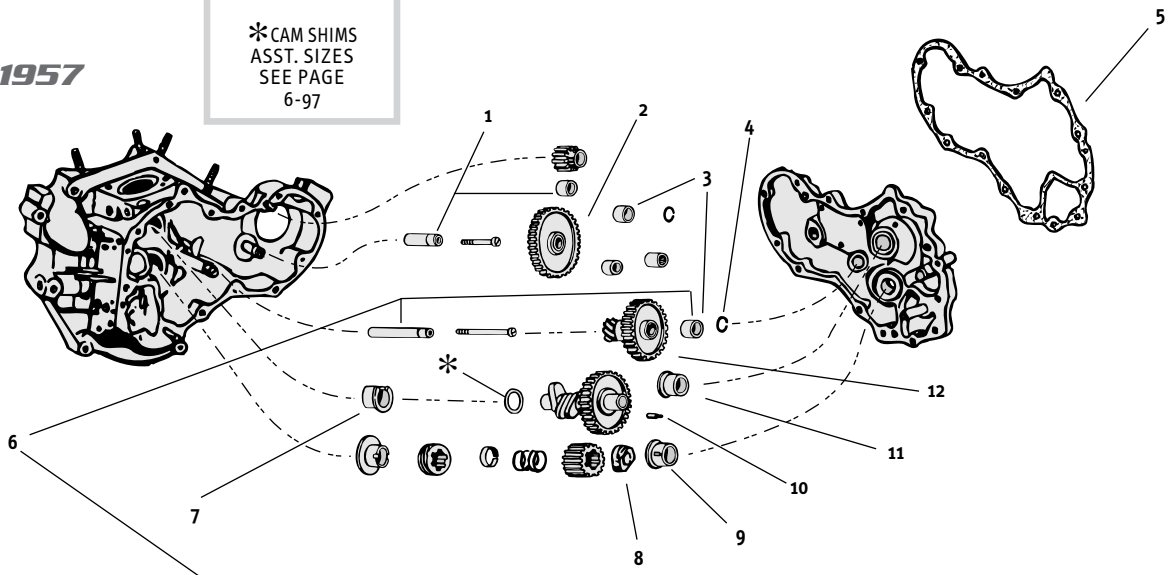
98-510 Oil screen only. Replaces OEM 24981-70. Fits into crankcase and strains the oil going to the tappets on all 1970 thru 1999 Big Twin. SOLD EACH

98-511 Spring only. Replaces OEM 24982-70. For 1970 thru 1999 Big Twin. SOLD EACH

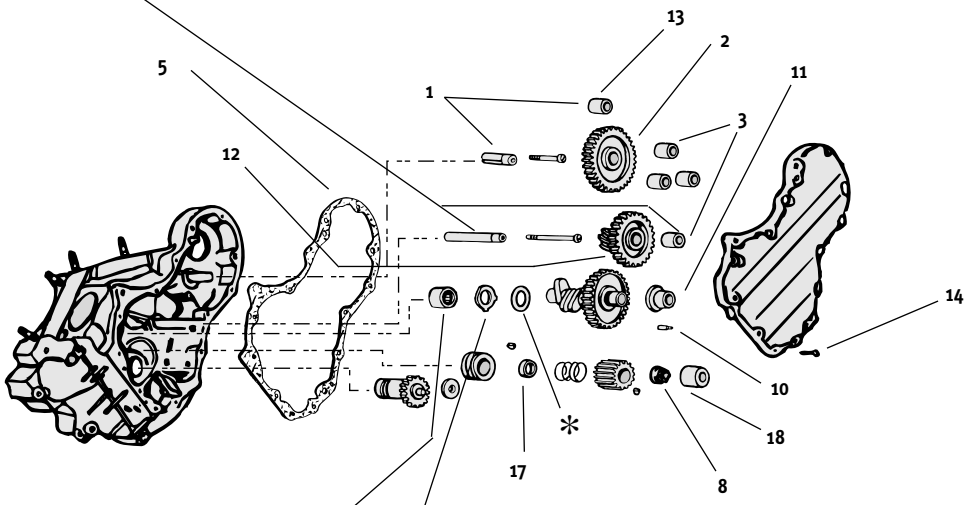
CAM/GEAR CASE PARTS FOR 61, 74 & 80 C. I. OHV ALL YEARS & MODELS

✻CAM SHIMS ASST. SIZES SEE PAGE 6-97

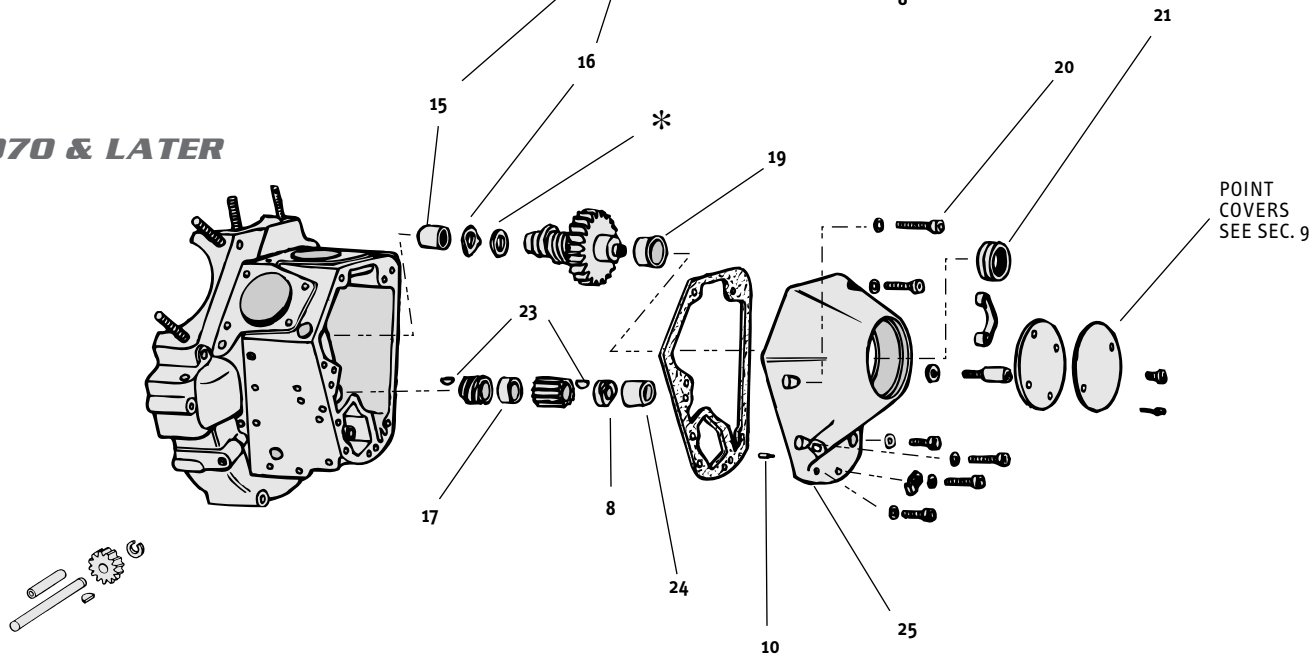
1936/1957



1958/1969



1970 & LATER



A



PATENT # D408,829 7,032,555B2

A. *ULTIMA® CHROME DIE CAST CAM COVER*

The Ultima® chrome die cast cam cover is an excellent way to dress up your engine. This cover fits 1973-1983 Shovelhead, 1984-1990 EVO models as well as most aftermarket engines using tapered style pinion gear. Die cast structure with a patented breather vent passageway offers affordable performance with superior oil-from-air separation. Cover will accept all popular ignition systems. Includes bushings. **Point cover not included.**

88-110 Ultima® die cast cam cover-chrome. SOLD EACH

B



89-366



89-368

B. *CHROME CAM & SPROCKET COVER FOR 04'-UP XL*

Chrome cam & sprocket cover for 04'-up XL's.

89-366 Chrome cam cover only, 04'-up XL. SOLD EACH

89-368 Chrome sprocket cover, 04'-up XL

6

C



C. *ULTIMA® ENGRAVED POINT COVER*

Dress up your EVO engine with an Ultima® etched point cover. This point cover is light weight, laser etched & chrome plated. For EVO use only.

89-114 Ultima® point cover. SOLD EACH

D



CHROME PLATED

88-53



88-70

D. *GEAR COVER FOR BIG TWIN*

Chrome plated cam cover (nosecone) for end oiling pinion shaft.

88-53 Fits 1973 thru 1992. Replaces OEM 25258-80B and 25268-84A. SOLD EACH

88-70 Fits 1993 & later. Replaces OEM 25266-93A. SOLD EACH

41-131 Chrome allen cam cover screw kit for 1993 & later Big Twin V2. SOLD AS KIT

A. ULTIMA® CONNECTING RODS SOLD AS SET

These connecting rod sets have been designed with the H-beam shape long used in many types of racing. These rods are made from 4140H steel making them stronger than most aftermarket rods and by design 10% - 15% lighter. If you're building a stock Big Twin or a performance engine, then reducing the rotating & reciprocating weight will increase horsepower and engine life.

98-571 7.440" Rod set finished with crank pin, nuts and rod bearings with alloy cages and 0.792 pin bore. Fits Evolution® Big Twins 1984 & later.

98-572 7.440" Rod set finished with crank pin, nuts and rod bearings with alloy cages and 0.791 pin bore. Fits Big Twins 1941 thru 1980. **NOTE:** On most OEM flywheel castings clearancing is required for rear rod to counter weight.

98-573 7.440" Bare rod set —unfinished ends, 0.7918" dia. wrist pin bore & 1.6256" dia. crank pin bore.

98-574 7.670" Bare rod set —unfinished ends 0.9273" dia. wrist pin bore & 2.1040" dia. crank pin bore.

98-575 7.700" Bare rod set (see **98-574**).

98-578 8.000" Bare rod set (see **98-574**).



B. MIDWEST'S ROD ASSEMBLIES FOR BIG TWIN & SPORTSTER®

Rod set includes new rods, 3 hole crank pin, cages,standard rod rollers, crank pin nuts and piston pin bushings honed for stock pins. Made in Japan. All parts meet or exceed OEM specifications.

BIG TWIN

98-262 Fits 1941 thru 1973. OEM 24281-41A. SOLD AS SET
98-323 Fits 1974 thru early 1981. OEM 24281-74.
98-413 Fits late 1981 thru early 1983. OEM 24281-80.
98-414 Fits late 1983 and later, including Evolution®. OEM 24281-83A.

SPORTSTER®

98-265 Fits 1954 thru early 1981. OEM 24275-57. SOLD AS SET
98-478 Fits late 1981 thru 1985. OEM 24275-80A.
98-479 Fits 1986 & later. OEM 24275-86A.



C. ROD RACES

These critical engine parts are made from the highest quality bearing material available. Machined from 52100 aerospace quality Timken® bearing stock. Outside diameter is ground to within .0005" for a precision press fit into the connecting rod. Circularity and concentricity are held within .001".

95-163 Jim's Machining rod races for Big Twin 1941 & later. Replaces OEM 24345-36A & 24356-36A. SOLD AS SET OF 3

Imported races. Excellent Japanese quality.

95-165 For Big Twin 1941 & later. Replaces OEM 24345-36A & 24356-36A. SOLD AS SET OF 3
95-164 For Sportster® 1957 & later. Replaces OEM 24352-52A & 24341-52A.





D. PINION CONVERSION KIT

For use with taper style pinion shafts in non taper crankshaft applications. 90'-later Big Twin.

Includes part#'s: (1) 98-359, (2) 98-305, (1) 98-89, (1) 98-588 (red) & (1) 98-302.

98-570 Pinion conversion kit. SOLD AS KIT









A. *SPROCKET SHAFT SPACERS FOR TIMKEN BEARING SET*

U.S.A. MADE SPROCKET SHAFT SPACERS ARE USED TO SET CORRECT PRE-LOAD TO LEFT TIMKEN BEARING SET.

BIG TWIN 1969 & LATER

INDIVIDUAL SPACER SHIMS SOLD EACH

MIDWEST PART NO.	OEM NO.	DESCRIPTION
98-386	9110	.0905 - .0895
98-387	9120	.0925 - .0915
98-388	9121	.0945 - .0935
98-389	9122	.0965 - .0955
98-390	9123	.0985 - .0975
98-391	9124	.1005 - .0995
98-392	9125	.1025 - .1015
98-393	9126	.1045 - .1035
98-394	9127	.1065 - .1055
98-395	9128	.1085 - .1075
98-396	9129	.1105 - .1095
98-397	9130	.1125 - .1115
98-398	9131	.1145 - .1135
98-399	9132	.1165 - .1155
98-400	9133	.1185 - .1175
98-401	9134	.1205 - .1195

98-402 Assortment package of sixteen. SOLD AS PKG.

SPORTSTER® 1977 & LATER

INDIVIDUAL SPACER SHIMS SOLD EACH

MIDWEST PART NO.	OEM NO.	DESCRIPTION
98-403	9142	.100
98-404	9143	.102
98-405	9144	.104
98-406	9145	.106
98-407	9146	.108
98-408	9147	.110
98-409	9148	.112
98-410	9149	.114
98-411	9155	.098

98-412 Assortment package of nine. SOLD AS PKG.

B. *SPROCKET SHAFT SPACERS FOR BIG TWIN 1970 THRU 1984*

U.S.A. MADE sprocket shaft spacers.

INDIVIDUAL SPACER SHIMS SOLD EACH

MIDWEST PART NO.	OEM NO.	DESCRIPTION
98-366	24032-70	.060
98-367	24033-70	.090
98-368	24034:70	.120
98-369	24035-70	.150
98-370	24036-70	.180
98-371	24037-70	.210

C. *PINION GEARS FOR BIG TWIN*

ULTIMA® PINION GEARS

FOR LATE 1977 THRU 1989

98-586 Replaces OEM 24041-78-White. SOLD EACH
98-587 Replaces OEM 24042-78-Yellow.
98-588 Replaces OEM 24043-78-Red.
98-589 Replaces OEM 24044-78-Blue.

JIMS PINION GEARS

1954 THRU EARLY 1977

98-443 Replaces OEM 24010-Orange. SOLD EACH
98-445 Replaces OEM 24010-Red.
98-446 Replaces OEM 24010-Blue.
98-447 Replaces OEM 24010-Green.
98-448 Replaces OEM 24010-White.
98-449 Replaces OEM 24010-Brown.
98-450 Replaces OEM 24010-Yellow.

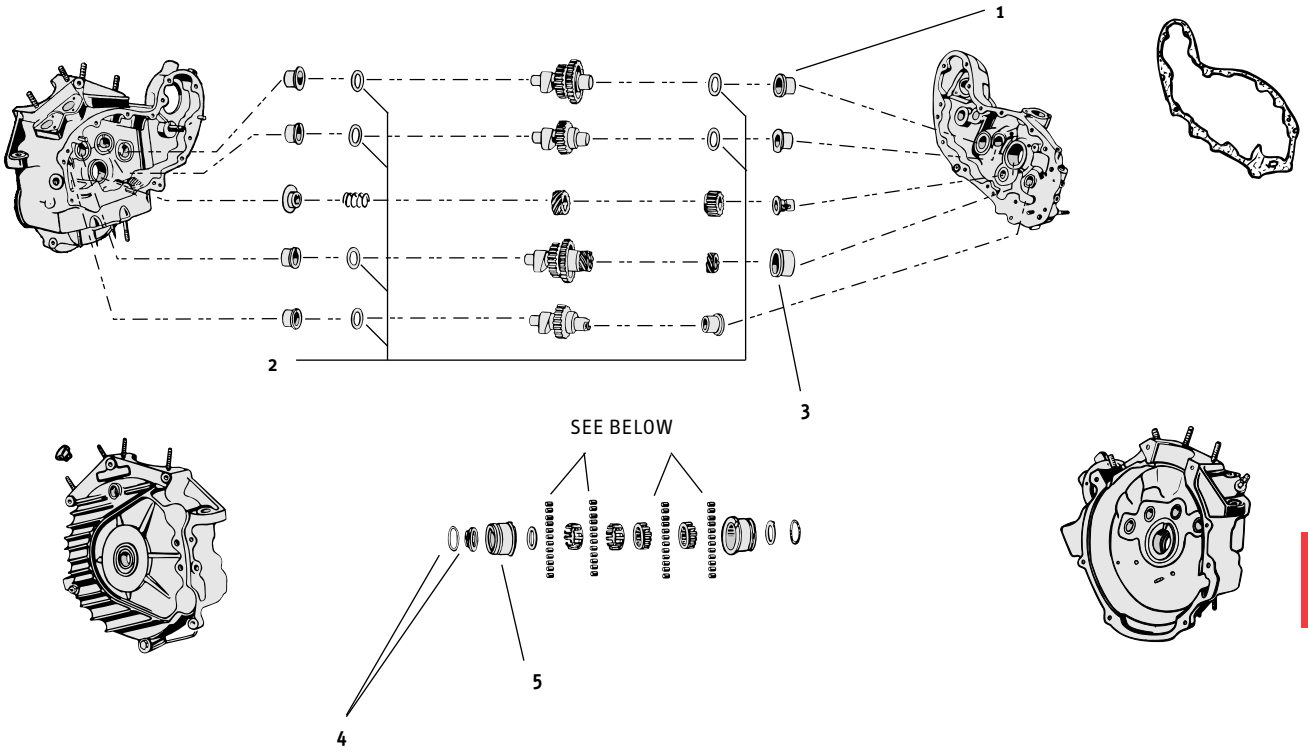
LATE 1977 THRU 1989

98-451 Replaces OEM 24040-78-Orange. SOLD EACH
98-452 Replaces OEM 24041-78-White.
98-453 Replaces OEM 24042-78-Yellow.
98-454 Replaces OEM 24043-78-Red.
98-455 Replaces OEM 24044-78-Blue.
98-456 Replaces OEM 24045-78-Green.
98-457 Replaces OEM 24046-78-Black.

98-302 Gear shaft nut for 1954 thru 1989. OEM 24023-54. Jims Machining. SOLD EACH
98-89 Pinion gear spacer for 1954 thru 1989. OEM 24703-54.

CRANKCASE & GEAR/CAM CASE PARTS FOR 45 C. I. SOLO AND SERVI-CAR
ALL YEARS & MODELS

ALL PARTS SOLD EACH EXCEPT AS NOTED



1	**95-416**	BUSHING ALL YEARS. JIMS (OEM 25586-37)
2	**91-271**	CAM SHIM .007 **U.S.A. MADE** (OEM 6769)
3	**95-417**	BUSHING 1959 / 1973. JIMS (OEM 25588-57)
4	—	SEAL & RING SET. COLONY. SOLD AS KIT
5	—	LEFT CASE BUSHING STD. SIZE. JIMS (OEM 24610-39)

CRANK CASE ROLLERS FOR 45"

45 C.I. FLATHEAD: For right crankcase for all 45 C.I. (24 used). Standard: .250 x .550.

PART NO. **QTY 100**	SIZE	OEM NO.
95-495	Std.	9241
95-498	.0006 o.s.	9244
95-499	.0008 o.s.	9245

CLEAR ACRYLIC TIMING PLUG



See-thru timing plug with knurled knob for a non-slip installation.

91-104 Fits all years of H-D®, including late models. SOLD EACH

CRANKCASE PARTS FOR 61, 74, & 80 C. I. OHV AND SIDE VALVES ALL YEARS AND MODELS

ALL PARTS SOLD EACH EXCEPT AS NOTED ALL PARTS MEET OR EXCEED OEM SPECIFICATIONS
ALSO AVAILABLE COMPLETE ASSORTMENT OF DECORATIVE NUTS & BOLTS IN SECTION 14

1	**98-324**	CRANKCASE BREATHER STUD 1948 / 1964 (OEM 24912-48)
2	**91-104**	TIMING HOLE PLUG, CLEAR ACRYLIC KNURLED KNOB. **U.S.A. MADE**
	91-241	TIMING HOLE PLUG, CLEAR PLASTIC
	98-299	TIMING HOLE PLUG. CHROME PLATED. COLONY (OEM 704)
	98-490	ALLEN TIMING PLUG; DUPLICATE OF OEM 720. CHROME. COLONY
3	**95-110**	SPROCKET SHAFT OIL SEAL FOR 1955 / 1968
	95-105	SPROCKET SHAFT OIL SEAL FOR 1970 & LATER (OEM 12026)
4	**98-360**	SPROCKET SHAFT SPACER ALL BIG TWIN 1970 & LATER **U.S.A. MADE** (OEM 24002-70)
5	**98-365**	RIGHT BEARING WASHER 1958 / 1984 **U.S.A. MADE** (OEM 24692-58)
6	**95-310**	BEARING RACE FOR 1958 / 1992. STD. SIZE (OEM 24599-58)
	95-429	BEARING RACE FOR 1993 & LATER, STD. SIZE (OEM 24599-58B)
7	**98-266**	RETAINING RING 1958 & LATER **U.S.A. MADE** (OEM 11007)
8	**95-318**	ENGINE CASE TIMKEN BEARING FOR 1958 / 1968 (OEM 9029)
	95-320	ENGINE CASE TIMKEN BEARING FOR 1969 & LATER (OEM 9028)
9	**98-267**	RETAINING RING. **U.S.A. MADE** (OEM 24702-40)
10	**95-62**	LEFT CASE BUSHING, STD. SIZE. JIMS (OEM 24621-40)
11	—	WASHER **U.S.A. MADE** (OEM 24799-40)
12	**95-308**	RETAINER (OEM 24721-30)
13	—	SPACER PAUGHCO (OEM 24781-36)
14	—	WASHER PAUGHCO (OEM 24690-40)
15	**95-76**	RIGHT CASE BUSHING FOR 1940 / 1954, STD. SIZE. JIMS (OEM 24599-40)

U.S.A. MADE PINION BEARING ASSEMBLY FOR BIG TWIN 1987 & LATER

U.S.A. MADE precision bearing for late model Big Twins. Consult service manual for color codes and fitting specifications.

95-602	Pinion bearing, White. OEM 24626-87.	SOLD EACH
95-603	Pinion bearing, Green. OEM 24628-87.	
95-604	Pinion bearing, Red. OEM 24641-87.	
95-605	Pinion bearing, Blue. OEM 24643-87.	

CRANK CASE ROLLERS FOR BIG TWIN

BIG TWIN: For right crank case of 1937 thru 1954 OHV, and 1937 thru 1948 side valve (12 used). Standard: 1/4" x .600.

PART NO. **EACH**	SIZE	OEM NO.
95-219	.Std	9261
95-220	.0002 o.s.	9262
95-292	.0004 o.s.	9263
95-293	.0006 o.s.	9264
95-294	.0008 o.s.	9265
95-295	.001 o.s.	9266

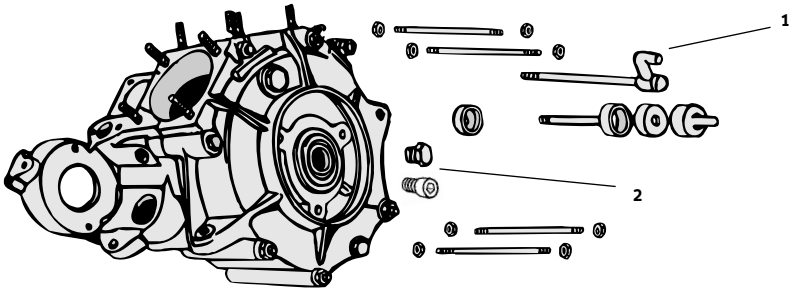
BIG TWIN: For right crankcase of 1953 & early 1954 (12 used). Standard: .250 x .270.

PART NO. **QTY 100**	SIZE	OEM NO.
95-501	Std.	9301
95-503	.0004 o.s.	9303
95-504	.0006 o.s.	9304
95-505	.0008 o.s.	9305

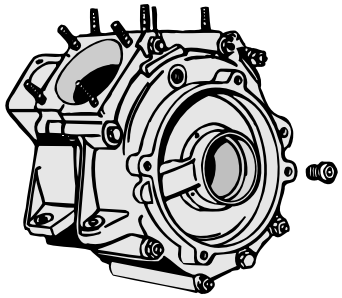
CRANKCASE PARTS FOR 61, 74, & 80 C. I. OHV AND SIDE VALVES ALL YEARS AND MODELS

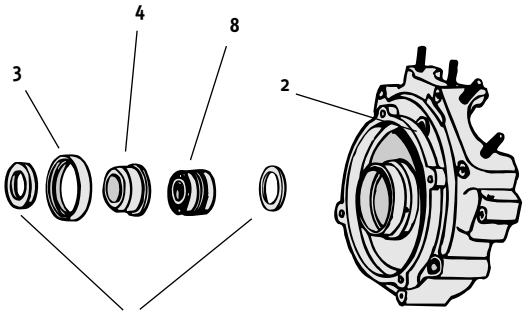
ALL PARTS SOLD EACH EXCEPT AS NOTED ALL PARTS MEET OR EXCEED OEM SPECIFICATIONS
ALSO AVAILABLE COMPLETE ASSORTMENT OF DECORATIVE NUTS & BOLTS IN SECTION 14

1936/1964

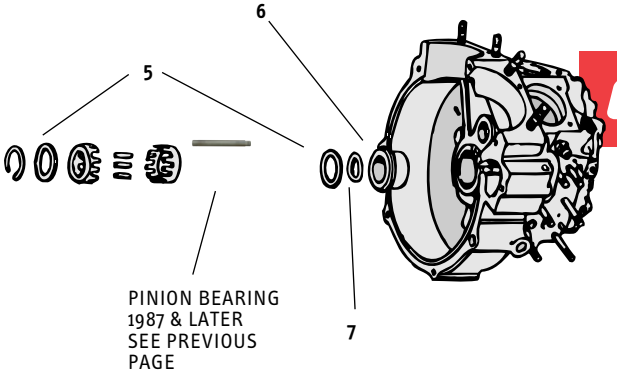


1965 & LATER





1955 & LATER

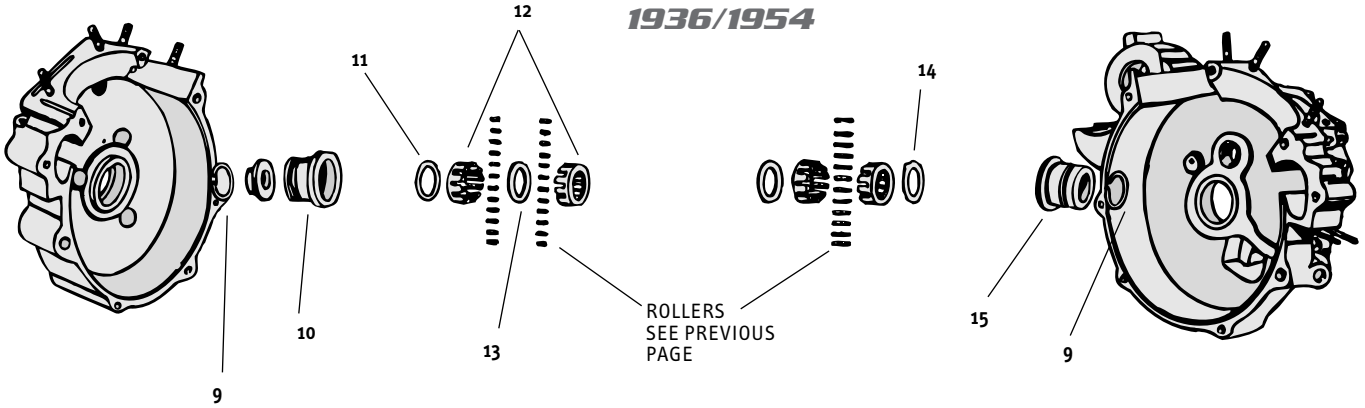


6

LEFT SIDE

RIGHT SIDE

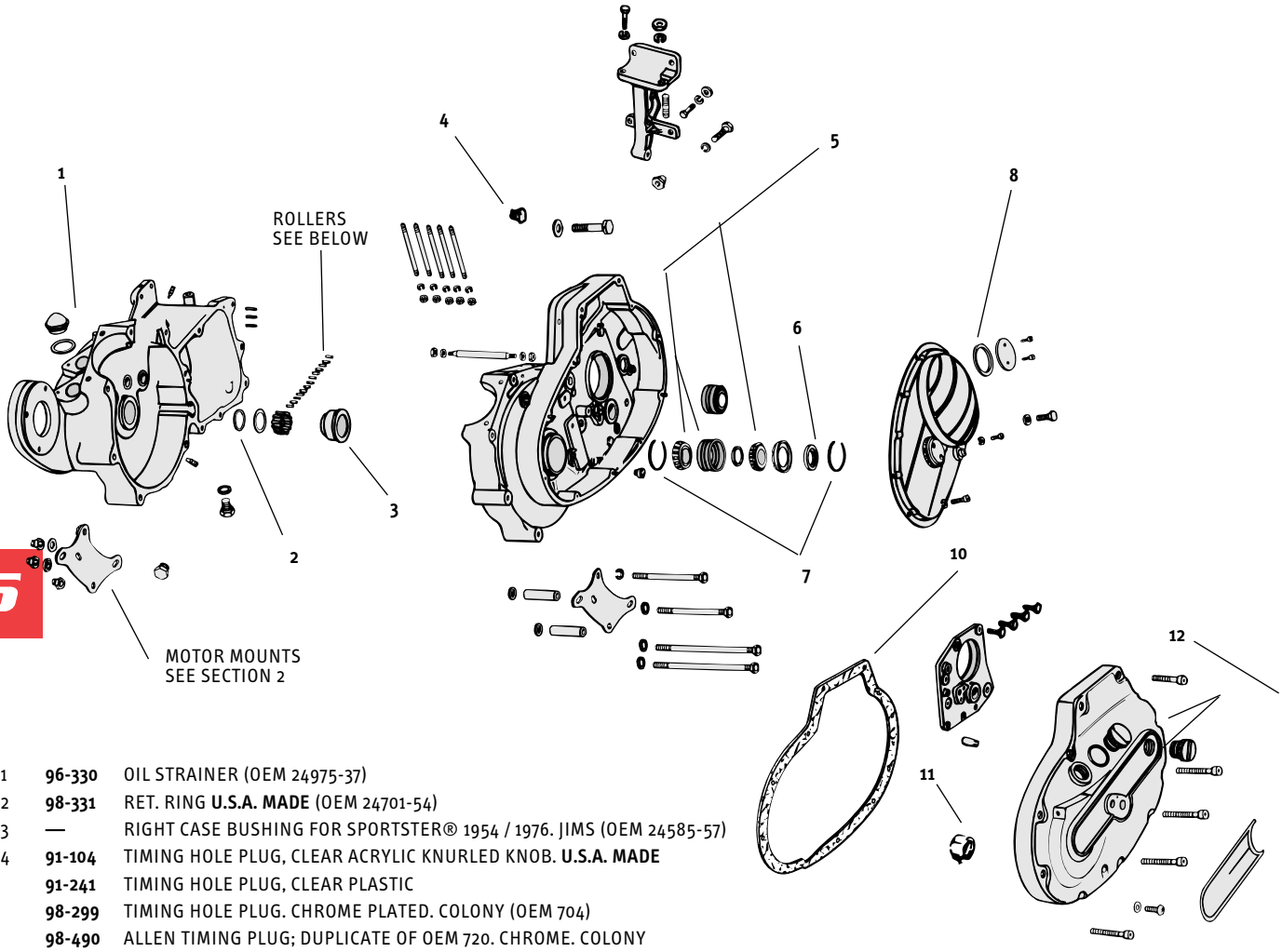
1936/1954



CRANK CASE PARTS FOR 900CC & 1000CC SPORTSTER® 1954 THRU 1978

ALL PARTS SOLD EACH EXCEPT AS NOTED

ALL PARTS MEET OR EXCEED OEM SPECIFICATIONS



1	**96-330**	OIL STRAINER (OEM 24975-37)
2	**98-331**	RET. RING **U.S.A. MADE** (OEM 24701-54)
3	—	RIGHT CASE BUSHING FOR SPORTSTER® 1954 / 1976. JIMS (OEM 24585-57)
4	**91-104**	TIMING HOLE PLUG, CLEAR ACRYLIC KNURLED KNOB. **U.S.A. MADE**
	91-241	TIMING HOLE PLUG, CLEAR PLASTIC
	98-299	TIMING HOLE PLUG. CHROME PLATED. COLONY (OEM 704)
	98-490	ALLEN TIMING PLUG; DUPLICATE OF OEM 720. CHROME. COLONY
5	**95-447**	TIMKEN LEFT BEARING SET WITH SPACER FOR 1954 / 1976 (OEM 24729-52)
6	**95-764**	SPROCKET SHAFT OIL SEAL (OEM 35151-52A)
7	**98-364**	SNAP RING FOR 1954 / 1976 **U.S.A. MADE** (OEM 24701-52)
8	**78-440**	GASKET **U.S.A. MADE** (OEM 60567-36)
10	**78-434**	PRIMARY COVER GASKET FOR ALL MODELS 1977 & LATER (OEM 34955-75)
11	**95-226**	NEEDLE BEARING (OEM 9063)
12	—	PRIMARY COVER ALLEN SCREW KIT FOR 1977 / 1984. STAINLESS STEEL. SOLD AS KIT

CRANK CASE ROLLERS FOR SPORTSTER®

For right crankcase of 1957 thru 1978 (13 used) and Big Twin right crank case late 1954 thru 1957 (12 used). Standard: 3/16" x .800.

PART NO.		OEM
QTY 100	SIZE	NO.
95-511	.0008 o.s	9425

CLEAR ACRYLIC TIMING PLUG

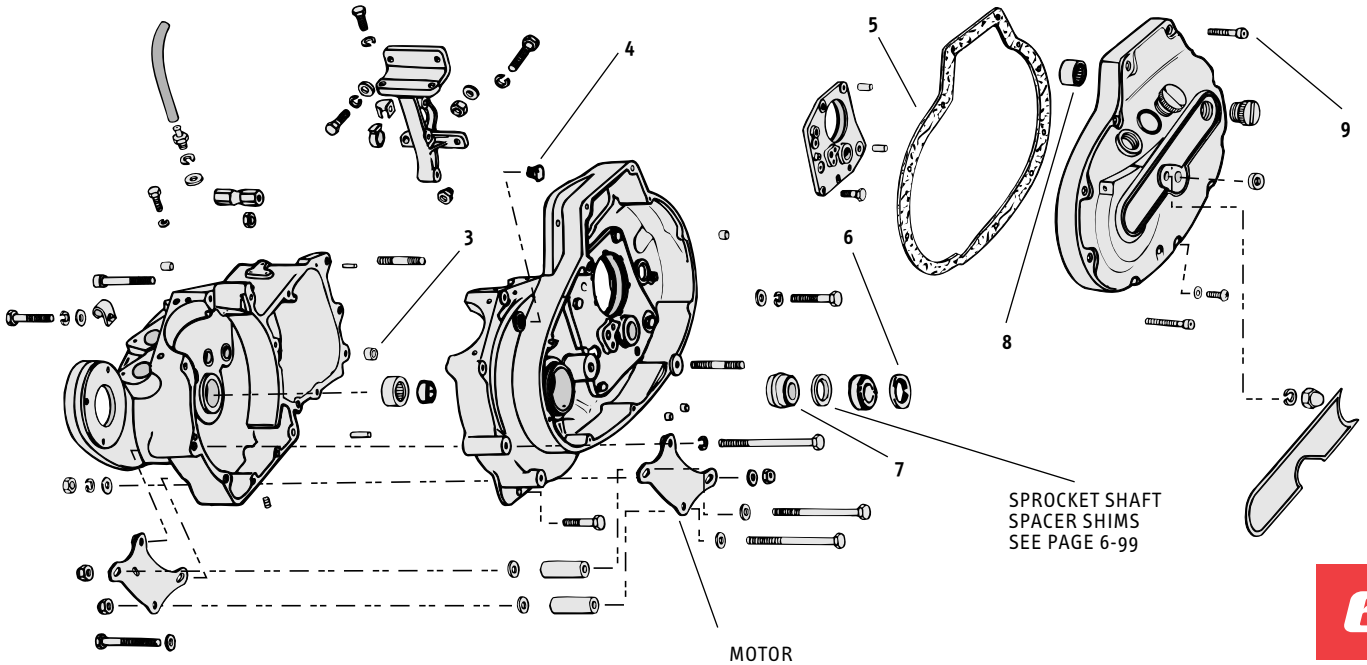


See-thru timing plug with knurled knob for a non-slip installation.

91-104 Fits all years of H-D®, including late models. SOLD EACH

CRANK CASE PARTS FOR 900CC & 1000CC SPORTSTER® 1979 THRU 1985

ALL PARTS SOLD EACH EXCEPT AS NOTED ALL PARTS MEET OR EXCEED OEM SPECIFICATIONS



3	**95-412**	SHIFTER SHAFT BUSHING. JIMS (OEM 40520-63) USE TWO
4	**91-104**	TIMING HOLE PLUG, CLEAR ACRYLIC KNURLED KNOB. **U.S.A. MADE**
	91-241	TIMING HOLE PLUG, CLEAR PLASTIC
	98-299	TIMING HOLE PLUG. CHROME PLATED. COLONY (OEM 704)
	98-490	ALLEN TIMING PLUG; DUPLICATE OF OEM 720. CHROME. COLONY
5	**78-434**	PRIMARY COVER GASKET FOR ALL MODELS 1977 & LATER (OEM 34955-75)
6	**95-765**	SPROCKET SHAFT OIL SEAL (OEM 35151-74)
7	**95-448**	TIMKEN SPROCKET SHAFT ROLLER BEARING SET FOR 1977 / 1990. INCLUDES TWO BEARINGS AND SPACER (OEM 24729-74)
8	**95-226**	NEEDLE BEARING (OEM 9063)
9	—	PRIMARY COVER ALLEN SCREW KIT FOR 1986 & LATER. STAINLESS STEEL. SOLD AS KIT

SPROCKET SPACERS SHIMS FOR TIMKEN BEARING SET, FOR SPORTSTER® 1977 & LATER , U.S.A. MADE

98-412	SPROCKET SPACER SHIM ASSORTMENT. INCLUDES ONE EACH OF BELOW SIZES. SOLD AS PKG. OF NINE
98-403	SPROCKET SPACER SHIM, .100 (OEM 9142) SOLD EACH
98-404	SPROCKET SPACER SHIM, .102 (OEM 9143) SOLD EACH
98-405	SPROCKET SPACER SHIM, .104 (OEM 9144) SOLD EACH
98-406	SPROCKET SPACER SHIM, .106 (OEM 9145) SOLD EACH
98-407	SPROCKET SPACER SHIM, .108 (OEM 9146) SOLD EACH
98-408	SPROCKET SPACER SHIM, .110 (OEM 9147) SOLD EACH
98-409	SPROCKET SPACER SHIM, .112 (OEM 9148) SOLD EACH
98-410	SPROCKET SPACER SHIM, .114 (OEM 9149) SOLD EACH
98-411	SPROCKET SPACER SHIM, .098 (OEM 9155) SOLD EACH

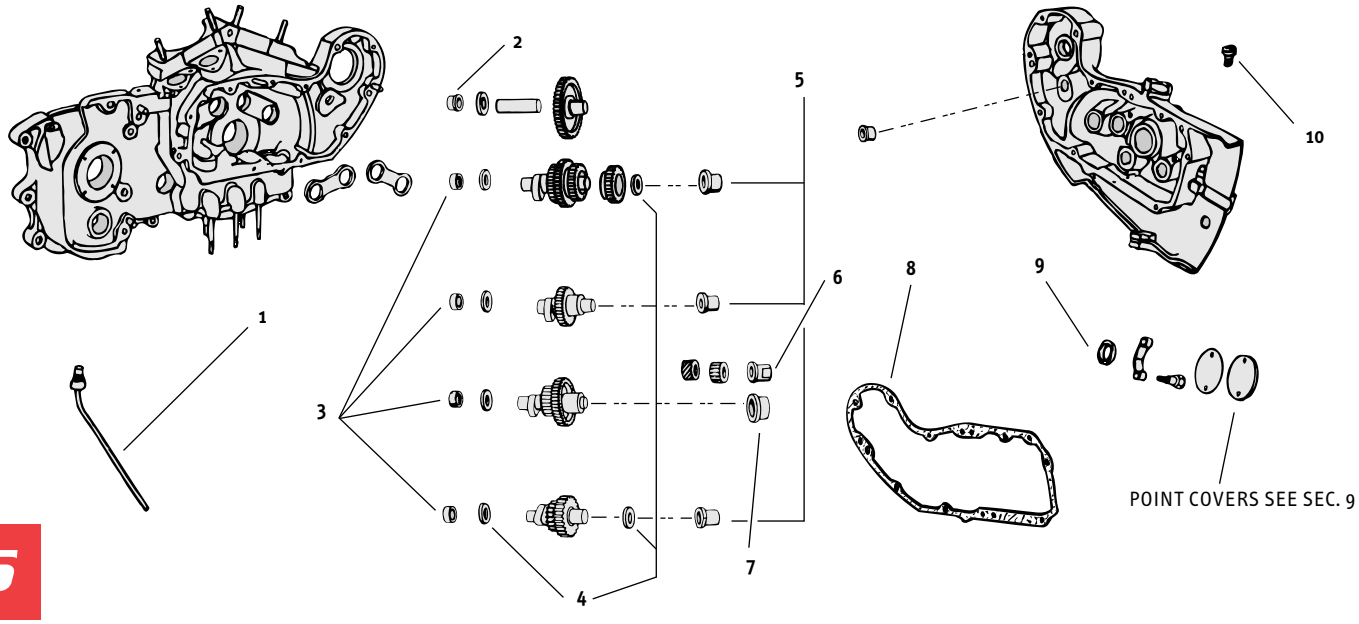
OIL TRANSFER VALVE



95-381 Fits Sportster® 1957 thru 1976. **SOLD EACH**
Replaces OEM 25075-55.

GEAR/CAM CASE PARTS FOR 900CC & 1000CC SPORTSTER® ALL YEARS & MODELS AND SPORTSTER® EVOLUTION® MODELS 1986 & LATER

ALL PARTS SOLD EACH EXCEPT AS NOTED ALL PARTS MEET OR EXCEED OEM SPECIFICATIONS
DECORATIVE NUTS & BOLTS FOR CAM COVER CAN BE FOUND IN SEC. 14



1	—	BREATHER PIPE ASSEMBLY WITH FITTING FOR 1954 / 1978. CHROME. (OEM 24912-53B) SOLD AS ASSY.
2	—	IDLER SHAFT BUSHING **U.S.A. MADE** (OEM 25597-57)
3	**95-140**	NEEDLE BEARING (OEM 9057)
4	**91-271**	CAM SHIM .007 **U.S.A. MADE** (OEM 6769)
	91-272	CAM SHIM .005 **U.S.A. MADE** (OEM 6770)
5	**95-416**	BUSHING 1954 & LATER. JIMS (OEM 25586-37)
6	**95-335**	PINION SHAFT BUSHING 1957 / 1976 JIMS (OEM 25593-57)
	95-336	PINION SHAFT BUSHING 1977 & LATER (OEM 25593-74)
7	**95-417**	BUSHING 1957 / 1990. JIMS (OEM 25588-57)
8	**78-527**	CAM COVER GASKET FOR 1952 / 1980 (OEM 25224-52A)
	78-380	CAM COVER GASKET FOR 1981 / 1985 (OEM 25263-81)
	78-381	CAM COVER GASKET FOR 883, 1100 & 1200, 1986 / 1989 **U.S.A. MADE** (OEM 25263-86)
9	**95-709**	BREAKER POINTS OIL SEAL (OEM 11124)
10	—	CAM COVER ALLEN SCREW KIT 1971 / 1984. STAINLESS STEEL **U.S.A. MADE**

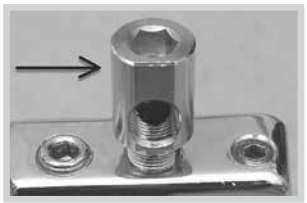
CLEAR ACRYLIC TIMING PLUG



See-thru timing plug with knurled knob for a non-slip installation.

91-104 Fits all years of H-D®, including late models. SOLD EACH

A





21-181



21-123

A. "CLOSE CLEARANCE" OIL PUMP FITTING

For use in close clearance applications where standard 90° elbows won't work. 5/16" Allen on top lets you get good tight fit. Male thread is 1/8" NPT, female 1/8" NPT.

21-440 Fitting 1/8 NPT for close clearance 90°.
21-123 Vent line fitting 1/8 NPT, OEM 63578-52-straight.
21-181 Oil tank fitting 1/8 NPT, for use with 3/8" oil & fuel lines - straight. SOLD EACH

B. OIL PUMP GEARS

B



98-358 DRIVEN GEAR



98-359 DRIVE GEAR

Top quality replacement oil pump gears for H-D® Big Twin. SOLD EACH

IMPORT	OEM NO.	YEAR	DESCRIPTION
98-358	26345-73	1973/1995	Driven gear, 24T.
98-359	26349-73	1954/1989	Drive gear, 6T. Use only with 24T driven gear.
	26349-73A		
	26349-84		

A. *CUSTOM CHROME PLATED HEX HEAD OIL PUMP PLUGS FOR BIG TWIN*

1936 & LATER

41-885	Oil pump relief valve plug, 1968 thru 1980. OEM 26377-68.	SOLD EACH
41-886	Tappet oil screen plug, 1970 thru 1980. OEM 657.	
41-888	Tappet oil screen, oil pump check valve, relief valve plug 1981 & later. OEM 26263-80.	
41-889	Tappet oil screen, 1952 thru 1965. OEM 24987-52.	
41-890	Tappet oil screen plug, 1966 thru 1969. OEM 655.	
41-891	Complete set of 3 plugs: tappet oil screen, oil pump check valve, relief valve plug, 1970 thru 1980.	SOLD AS SET
41-892	Complete set of 3 plugs: tappet oil screen, oil pump check valve, & relief valve plug, 1981 & later. OEM 26263-80.	

A



91-886



91-890

B. *OIL PUMP COVERS FOR BIG TWIN*

Bolts on to stock aluminum oil pumps. SOLD EACH

89-324	Fits models with primary chain oiler fitting.

B

89-324



CHROME PLATED

C



6

C. *OIL PUMP NUT AND WASHER KIT*

1/4 - 24 Hex nut and washer kit for Big Twin 1936 thru 1967. Includes six nuts & six washers.

40-317	Cad plated kit.	SOLD AS KIT

D. *ALLEN HEAD OIL PUMP PLUG SETS FOR BIG TWIN*

U.S.A. MADE oil pump plug sets include oil screen, check valve, and relief valve plugs and o-ring.

41-997	Fits 1970 thru 1980. Gardner-Wescott.	SOLD AS SET
41-998	Fits 1981 & later. Gardner-Wescott.	

NOTE: Hex head oil pump plug sets are located on Section 14.

D



41-997

E. *OIL PUMP MOUNTING HARDWARE KITS*

STOCK — COLONY

41-989	Fits Big Twin OHV 1936 thru 1967.	SOLD AS KIT
41-990	Fits Big Twin 1968 thru 1977.	

ALLEN HEAD

41-770	Fits Big Twin OHV 1936 thru 1967 Colony..	SOLD AS KIT
41-772	Fits Big Twin 1978 thru 1991. Colony.	
41-796	Fits Sportster® 1977 thru 1990. Colony.	
41-788	Fits Sportster® 1991 thru 2003. Colony.	

ACORN — COLONY

SOLD AS KIT

41-575	Fits Big Twin 1968 thru 1977.
41-576	Fits Big Twin 1978 & later.

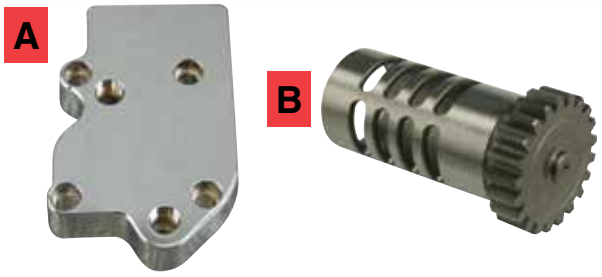
E



41-989



41-796



89-238
CHROME PLATED

A. *OIL PUMP COVER FOR BIG TWIN*

A beautiful cover for all Big Twin aluminum oil pumps 1968 thru 1991 when running belt drives or open primaries. This cover will also work on 1936 thru 1967 models when the aluminum oil pump is used.

89-238	Big Twin oil pump cover. Chrome.	SOLD EACH
89-239	Allen bolts. Fits 1936 thru 1978 motor cases; 1/4 x 24.	SOLD AS PKG. OF 4

B. *BIG TWIN STEEL BREATHER VALVE GEARS*

Replacements for worn or damaged breather valves. Also takes the place of OEM plastic type valve. OEM 25313-73. Is used with 1954 thru 1977 style and diameter pinion and cam gears and large hole steel spacing shims. OEM 25313-77A & B are used with 1977 & later style and diameter pinion and cam gears and large hole steel spacing shims. Oversize used in worn or damaged cases.

MIDWEST PERFORMANCE BREATHER VALVE GEARS

1215 Steel material holds up better than the stock plastic gears, and are less likely to damage the case. The metal screen offers greater protection over stock. Improves breathing capacity. Outperforms the stock plastic unit — a must for any performance engine.

YEARS	REPLACES OEM NO.	SIZE	JIMS	MIDWEST
1948 thru early 1977	25313-73	Std.	**98-495**	—
1948 thru early 1977	25313-73	+.030	**98-496**	—
Late 1977 & later	25313-77A, B	Std.	**98-493**	**98-512**
Late 1977 & later	25313-77A, B	+.030	**98-494**	

SOLD EACH

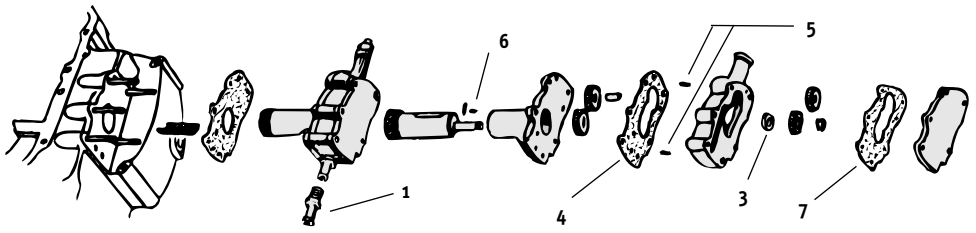
C. *U.S.A. MADE BREATHER VALVE GEAR SHIM SPACERS*

Fits all Big Twins with steel breather valve.

98-74	Set for 1950 thru early 1979. Includes one of each size below. "Small hole."	SOLD AS SET
98-75	.110. OEM 25316-52.	SOLD EACH
98-76	.115. OEM 25313-50.	SOLD EACH
98-77	.120. OEM 25314-50.	SOLD EACH
98-78	.125. OEM 25315-50.	SOLD EACH
98-79	Set for late 1979 thru 1982. Includes .110 thru .145 size. Also used on all breather valves above. "Large hole."	SOLD AS SET
98-80	.110. OEM 25320-79.	SOLD EACH
98-81	.115. OEM 25321-79.	SOLD EACH
98-82	.120. OEM 25322-79.	SOLD EACH
98-83	.125. OEM 25323-79.	SOLD EACH
98-84	.130. OEM 25325-79.	SOLD EACH
98-85	.135. OEM 25326-79.	SOLD EACH
98-86	.140. OEM 25327-79.	SOLD EACH
98-87	.145. OEM 25328-79.	SOLD EACH
98-88	.150.	SOLD EACH

OIL PUMP PARTS FOR 900CC AND 1000CC SPORTSTER® / K MODEL *1954 THRU 1976*

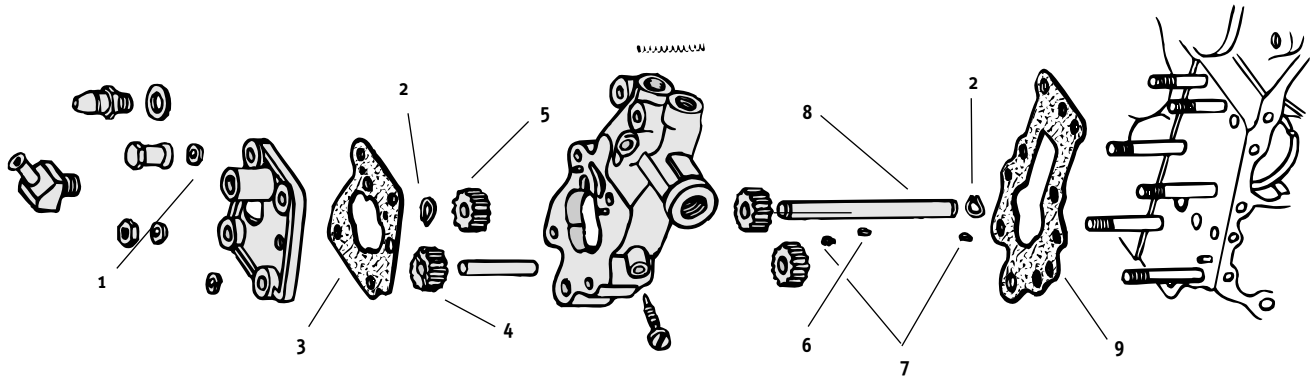
ALL PARTS SOLD EACH EXCEPT AS NOTED ALL PARTS MEET OR EXCEED OEM SPECIFICATIONS
ALSO AVAILABLE COMPLETE ASSORTMENT OF DECORATIVE NUTS & BOLTS IN SECTION 14



1	**21-123**	OIL FITTING FOR 1967/1976 (OEM 63533-41)
3	**95-221**	OIL SEAL (OEM 26227-58)
4	**78-393**	GASKET FOR 1954/EARLY 1962 **U.S.A. MADE** (OEM 26259-52)
	78-394	GASKET FOR LATE 1962/1972 **U.S.A. MADE** (OEM 26259-62)
5	—	DOWEL PIN (OEM 9095)
6	**98-275**	KEY FOR 1960/1976 **U.S.A. MADE** (OEM 26340-36)
7	**78-390**	GASKET FOR 1954/EARLY 1962 **U.S.A. MADE** (OEM 26258-52)
	78-391	GASKET FOR LATE 1962/1976 **U.S.A. MADE** (OEM 26258-62)

OIL PUMP PARTS FOR 61 AND 74 C. I. OHV 1936 THRU 1967

ALL PARTS SOLD EACH

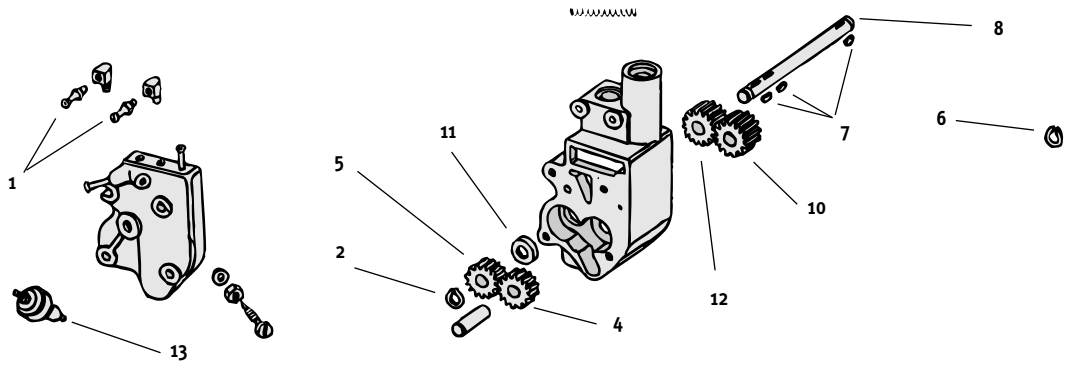


1	—	NUT FOR 1936/ 1967 CHROME. **U.S.A. MADE** (OEM 24831-41)
2	**98-325**	RET. RING **U.S.A. MADE** (OEM 26348-36)
	98-329	EYELET TYPE RET. RING **U.S.A. MADE** (OEM 11002)
3	**78-389**	GASKET FOR 1950/1967 **U.S.A. MADE** (OEM 26257-50A)
4	**98-65**	DRIVE IDLER GEAR FOR LATE 1962 & LATER. JIMS (OEM 26326-62A)
5	**98-66**	DRIVE GEAR FOR 1941 & LATER. JIMS (OEM 26328-74)
6	**98-275**	KEY **U.S.A. MADE** (OEM 26340-36)
7	**98-272**	KEY **U.S.A. MADE** (OEM 26348-15)
8	**98-309**	DRIVE SHAFT. JIMS (OEM 26346-36)
9	**78-385**	GASKET FOR 1941/1967 **U.S.A. MADE** (OEM 26245-41)

6

OIL PUMP PARTS FOR 74 AND 80 C. I. OHV 1968 THRU 1991

ALL PARTS SOLD EACH



1	**21-123**	OIL FITTING (OEM 63533-41)
2	**98-325**	RET. RING **U.S.A. MADE** (OEM 26348-36)
4	**98-65**	DRIVE IDLER GEAR FOR LATE 1962 & LATER. JIMS (OEM 26326-62A)
5	**98-66**	DRIVE GEAR FOR 1941 & LATER. JIMS (OEM 26328-74)
6	**98-329**	EYELET TYPE RET. RING **U.S.A. MADE** (OEM 11002)
7	**98-272**	KEY **U.S.A. MADE** (OEM 26348-15)
8	**98-334**	DRIVE SHAFT FOR 1968 & LATER. JIMS (OEM 26346-68 & OEM 26346-70
10	**98-64**	DRIVE IDLER GEAR FOR 1968 & LATER. JIMS (OEM 26317-68A)
11	**95-221**	OIL SEAL (OEM 26227-58)
12	**98-63**	DRIVE GEAR 1968 & LATER. JIMS (OEM 26315-68A)
13	**17-61**	OIL PRESSURE SWITCH FOR ALL XL SERIES 55"/61" 1957/1976 (OEM 26552-72), AND ALL FL/FX SERIES 74"/80" 1941/1985. ACCEL (OEM 26551-39C)

ULTIMA® GASKETS

MOTOR KITS - TWIN CAM®		
77-858	COMPLETE MOTOR KIT, TWN CAM® 88CI	KIT
77-859	COMPLETE MOTOR KIT, TWN CAM® 95CI	KIT
77-860	TOP END KIT, TWN CAM® 88CI	KIT
77-861	TOP END KIT, TWN CAM® 96CI	KIT
77-862	CAM CHANGE KIT, TWN CAM®	KIT
MOTOR KITS - EVO		
77-863	COMPLETE MOTOR KIT, STANDARD BORE EVO 1984-91	KIT
77-864	COMPLETE MOTOR KIT, STANDARD BORE EVO 1992-99	KIT
77-865	COMPLETE MOTOR KIT, 3.625 BORE EVO 1984-91	KIT
77-866	COMPLETE MOTOR KIT, 3.625 BORE EVO 1992-99	KIT
77-867	TOP END KIT, STANDARD BORE EVO 1984-91	KIT
77-868	TOP END KIT, STANDARD BORE EVO 1992-99	KIT
77-869	TOP END KIT, 3.625 BORE EVO 1984-91	KIT
77-870	TOP END KIT, 3.625 BORE EVO 1992-99	KIT
77-871	CAM CHANGE KIT, EVO	KIT
MOTOR KITS - SHOVELHEAD		
77-872	TOP END KIT, SHOVELHEAD	KIT
77-873	COMPLETE MOTOR KIT, SHOVELHEAD 1966-69	KIT
77-874	COMPLETE MOTOR KIT, SHOVELHEAD 1970-84	KIT
77-875	CAM CHANGE KIT, SHOVELHEAD 1966-69	KIT
77-876	CAM CHANGE KIT, SHOVELHEAD 1970-84	KIT
MOTOR KITS - SPORTSTER®		
77-878	TOP END KIT, SPORTSTER® 883 1991-03	KIT
77-879	TOP END KIT, SPORTSTER® 883 2004-UP	KIT
77-881	TOP END KIT, SPORTSTER® 1200 1991-03	KIT
77-882	TOP END KIT, SPORTSTER® 1200 2004-UP	KIT
77-883	CAM CHANGE KIT, SPORTSTER®	KIT

MW#	OEM#	DESCRIPTION	QTY.
AIR CLEANER AND INTAKE MANIFOLD GASKETS/SEALS			
77-726	26995-86	INTAKE MANIFOLD SEAL 1986-LATER, RUBBER	EA
77-805	27060-55	INTAKE CLAMP SEALS, SHOVELHEAD 1966-1978	EA
77-806	27062-78	INTAKE CLAMP SEALS, SHOVELHEAD 1978-1984	EA
77-786	27002-89	KIEHIN CV CARB TO INTAKE MANIFOLD SEAL, 1984-LATER, RUBBER	EA
77-804	27023-71	BENDIX CARB TO MANIFOLD GASKET, SHOVELHEAD 1972-1985, FIBRE	EA
77-807	27077-78	KIEHIN CARB TO MANIFOLD GASKET, 1978-1989 BIG TWIN	EA
77-808	29058-77	KIEHIN CARB TO BACKING PLATE GASKET, BIG TWIN 1976-89, XL 1976-87, FIBRE	EA
77-809	29059-88	KIEHIN CV CARB TO BACKING PLATE GASKET, BIG TWIN 1990-99, XL 1988-98, FIBRE	EA
77-810	29062-95	CARB TO BACKING PLATE GASKET, TWIN CAM® CARB MODELS 1999-LATER	EA
77-811	29313-95	AIR FILTER MOUNTING GASKET, TWIN CAM® CARB MODELS 1999-LATER	EA
77-892	11291	MAP SENSOR SEAL, TWIN CAM® 1999-UP	EA
77-893	11292	AIR CLEANER BACKING PLATE TO HEAD O-RING, 1999-UP	EA
77-902	29583-01	AIR CLEANER BACKING PLATE TO CARB/EFI GASKET, 2001-UP	EA
ROCKER BOX GASKETS			
77-705	17355-84	ROCKER BOX GASKET, LOWER, EVO 84-91, RUBBER	EA
77-706	17355-92	ROCKER BOX GASKET, LOWER, EVO 92-98, RUBBER	EA
77-707	17356-84	ROCKER BOX GASKET, UPPER, EVO 84-91, RUBBER	EA
77-708	17356-92	ROCKER BOX GASKET, UPPER, EVO 92-98, RUBBER	EA
77-709	17358-84	ROCKER BOX GASKET, MIDDLE, EVO & XL 84-03, RUBBER	EA
77-710	17540-69	ROCKER BOX GASKET, SHOVELHEAD 66-84, CARBON	EA
77-711	17540-69	ROCKER BOX GASKET, SHOVELHEAD 66-84, FOAMET	EA
77-750	6114	ROCKER BOX COVER WASHER, 1984-LATER, COPPER	EA
77-780	11101	SHOVELHEAD ROCKER SHAFT O-RING 1966-84	EA
77-785	11270	O-RING, LOWER ROCKER COVER TO CYLINDER HEAD, TWIN CAM® 99-LATER	EA
77-794	17507-48	ROCKER COVER GASKET, PANHEAD 1948-65, FELT PAD	EA
77-795	16778-84A	LOWER RIGHT ROCKER BOX BASE GASKET, EVO, XL, 84'-99', FIBRE-SILICONE BEAD	EA

ULTIMA® GASKETS

MW#	OEM#	DESCRIPTION	QTY.
ROCKER BOX GASKETS			
77-796	16779-84A	LOWER LEFT ROCKER BOX BASE GASKET, EVO, XL, 84'-99', FIBRE-SILICONE BEAD	EA
77-797	16800-84	ONE PIECE ROCKER BASE GASKET, EVO, XL, 1986-2004, RUBBER COATED STEEL	EA
77-798	17353-89	ROCKER BOX BASE GASKET, XL 1991-04, RUBBER	EA
77-799	17354-89	ROCKER BOX UPPER GASKET, XL 1991-03, RUBBER	EA
77-800	17386-99	ROCKER COVER GASKET, TWIN CAM® 99-LATER, RUBBER COATED STEEL	EA
77-801	16719-99	ROCKER BASE GASKET, TWIN CAM® 99-LATER, RUBBER COATED STEEL	EA
77-827	17591-99	BREATHER COVER GASKET, TWIN CAM® 1999-LATER, FIBRE	EA
77-828	26858-99	BREATHER COVER UMBRELLA VALVE, TWIN CAM® 1999-LATER, RUBBER	EA
77-829	63815-99	BREATHER BAFFLE FILTER ELEMENT, TWIN CAM® 1999-LATER	EA
77-830	17592-99	BREATHER BAFFLE GASKET, TWIN CAM® 1999-LATER, FIBRE	EA
PUSHROD O-RINGS			
77-780	11101	UPPER PUSHROD TUBE O-RING, SHOVEL	EA
77-700	11157	UPPER PUSHROD TUBE O-RING, EVO, XL 1986-90	EA
77-781	11293	UPPER PUSHROD TUBE O-RING, TWIN CAM® 99-UP	EA
77-782	17955-36	UPPER PUSHROD TUBE CORK GASKET, PAN	EA
77-792	11190	UPPER PUSHROD TUBE O-RING, XL 1991-UP	EA
77-701	11132	CENTER PUSHROD TUBE O-RING	EA
77-782	17955-36	CENTER PUSHROD TUBE CORK GASKET, PAN, SHVL 1948-79	EA
77-702	11145	BOTTOM PUSHROD TUBE O-RING	EA
77-780	11101	BOTTOM PUSHROD TUBE O-RING, SHOVEL 1980-84	EA
77-783	17955-48	BOTTOM PUSHROD CORK GASKET, PAN, SHVL 1948-79	EA
77-793	17944-89	BOTTOM PUSHROD TUBE O-RING, XL 1991-2003	EA
77-894	11377	BOTTOM PUSHROD TUBE O-RING, XL 2004-UP	EA
TAPPET BLOCK GASKETS			
77-712	18633-48	TAPPET BLOCK GASKET, REAR; PAN,SHOVEL, EVO 48-LATER FOAMET	EA
77-713	18634-48	TAPPET BLOCK GASKET, FRONT; PAN,SHOVEL, EVO 48-LATER FOAMET	EA
77-887	11176	ANTI ROTATION PIN O-RING, SPORTSTER® 1991-2003	EA
77-802	17976-04	TAPPET BLOCK GASKET, SPORTSTER® 04-LATER, FOAMET	EA
77-803	18635-99	TAPPET BLOCK GASKET, TWIN CAM® 1999-LATER, FIBRE	EA
VALVE SEAL			
91-770		VALVE SEAL, BIG TWIN, XL TC88	EA
91-777		TWIN CAM® VALVE STEM SEAL 04-LATER	EA
91-779		VALVE SEAL, 1948-81, 74", .562	EA
HEAD GASKETS			
77-760		HEAD GASKET, 1450 TC 99-LATER, MLS .030 THICK	EA
77-761		HEAD GASKET, 1450 TC 99-LATER, MLS .040 THICK	EA
77-762		HEAD GASKET, 1450 TC 99-LATER, SILICONE BEAD W/FIRE RING	EA
77-763		HEAD GASKET, 1550 TC 99-LATER, MLS .030 THICK	EA
77-764		HEAD GASKET, 1550 TC 99-LATER, MLS .040 THICK	EA
77-789	11273	O-RING, CYLINDER TO HEAD GASKET LOCATING RING, TWIN CAM® 99-LATER	EA
77-765		HEAD GASKET, 883 SPORTSTER® 84-05, CARBON W/FIRE RING	EA
77-766		HEAD GASKET, 883 SPORTSTER® 84-05, MLS	EA
77-767		HEAD GASKET, 883 SPORTSTER® 84-05, SILICONE BEAD W/FIRE RING	EA
77-768		HEAD GASKET, 883 SPORTSTER® 84-05, "TEFLON" W/FIRE RING	EA
77-769		HEAD GASKET, 3 5/8 EVO 84-98, CARBON W/FIRE RING	EA
77-770		HEAD GASKET, 3 5/8 EVO 84-98, SILICONE BEAD W/FIRE RING	EA
77-771		HEAD GASKET, 3 5/8 EVO 84-98, "TEFLON" W/FIRE RING	EA
77-772		HEAD GASKET, 3 5/8 EVO 84-98, MLS .030 THICK	EA
77-773		HEAD GASKET, 3 5/8 EVO 84-98, MLS .040 THICK	EA
77-774		HEAD GASKET, STD BORE EVO & 1200XL, MLS .030 THICK	EA
77-775		HEAD GASKET, STD BORE EVO & 1200XL, MLS .040 THICK	EA
77-776		HEAD GASKET, STD BORE EVO & 1200XL, CARBON W/FIRE RING	EA
77-777		HEAD GASKET, STD BORE EVO & 1200XL, SILCONE BEAD W/FIRE RING	EA
77-778		HEAD GASKET, STD BORE EVO & 1200XL, "TEFLON" W/FIRE RING	EA
77-779	16770-66	HEAD GASKET, STD SHOVELHEAD, TEFLON W/FIRE RING	EA
77-907		HEAD GASKET, SHOVELHEAD 3-5/8 BORE, MLS .040	EA
77-908		HEAD GASKET, SHOVELHEAD STD BORE, MLS .040	EA
77-905	16769-57	HEAD GASKET, IRONHEAD 1957-1971 , "TEFLON" W/FIRE RING	EA
77-906		HEAD GASKET, PANHEAD 1948-1965 , "TEFLON" W/FIRE RING	EA

ULTIMA® GASKETS

MW#	OEM#	DESCRIPTION	QTY.
BASE GASKETS			
77-703	16776-63	BASE GASKET, FRONT CYLINDER SHOVELHEAD, 1963-LATER	EA
77-704	16777-63	BASE GASKET, REAR CYLINDER SHOVELHEAD, 1963-LATER	EA
77-755	9551	BASE GASKET, STANDARD BORE EVO, SLS	EA
77-756	9553	BASE GASKET, STANDARD BORE 883 & 1200 XL, SLS	EA
77-758	9730	BASE GASKET, 3 5/8 BORE EVO 84-99, SLS	EA
77-759	9731	BASE GASKET, 3 13/16 BORE EVO 84-99, SLS	EA
77-784	11256	CYLINDER BASE TO CRANKCASE, TWIN CAM® 99-LATER	EA
MOTOR CASE AND SPROCKET SHAFT SEALS			
95-805	12026	SPROCKET SHAFT SEAL, BIG TWIN 1970-99	EA
77-856	12068	SPROCKET SHAFT SEAL, TWIN CAM® 99-LATER, XL 2004-LATER	EA
77-857	35151-74	SPROCKET SHAFT SEAL, SPORTSTER® 1986-2003	EA
77-886	11140	PISTON COOLING JET O-RING, 1999-UP	EA
77-890	11289	CRANK SHAFT POSITION SENSOR O-RING, 1999-UP	EA
77-901	26432-76A	ENGINE CASE LOCATING DOWEL O-RING, 1999-UP	EA
CAM COVER AND CAM CHEST GASKETS			
77-714	25225-36	CAM COVER GASKET, PAN & SHOVEL FOAMET	EA
77-715	25225-70	CAM COVER GASKET, SHOVELHEAD & EVO 70-92 FOAMET	EA
77-716	25225-70	CAM COVER GASKET, SHOVELHEAD & EVO 70-92 FIBRE	EA
77-717	25244-93	CAM COVER GASKET, EVO 93-98 FOAMET	EA
77-718	25244-93	CAM COVER GASKET, EVO 93-98 SILICONE	EA
77-719	25244-99	CAM COVER GASKET, TWIN CAM® 99-LATER FOAMET	EA
77-720	25244-99	CAM COVER GASKET, TWIN CAM® 99-LATER SILICONE	EA
77-721	25263-86	CAM COVER GASKET, SPORTSTER® 86-90 FIBRE	EA
77-722	25263-90	CAM COVER GASKET, SPORTSTER® 91-03 FOAMET	EA
77-791	11124	SEAL, POINT COVER, SPORTSTER® 1974-2004	EA
77-889	11288	CAM POSITION SENSOR O-RING, ALL MODELS 1999-2000	EA
77-904	83162-51	CAM SEAL, SHOVELHEAD 1970-1984, EVO 1984-1999	EA
OIL PUMP GASKETS, O-RINGS AND SEALS			
77-813	26246-68	OIL PUMP BODY GASKET, SHOVELHEAD 1968-1980	EA
77-814	26258-68	OIL PUMP COVER GASKET, SHOVELHEAD 1968-1980	EA
77-815	26273-80	OIL PUMP BODY GASKET, BIG TWIN 1980-1991, FIBRE	EA
77-816	26276-80	OIL PUMP COVER GASKET, BIG TWIN 1980-1991, FIBRE	EA
77-817	26273-92	OIL PUMP BODY GASKET, EVO 1992-1999, FIBRE	EA
77-818	26276-92	OIL PUMP COVER GASKET, EVO 1992-1999, FIBRE	EA
77-819	26495-89	OIL PUMP GASKET, SPORTSTER® 19691-LATER, FOAMET	EA
77-820	26434-91	OIL PUMP COVER GASKET, SPORTSTER® 1991-LATER, FIBRE	EA
77-781	11293	OIL PUMP INNER MEDIUM O-RING, TWIN CAM® 1999-LATER	EA
77-825	11301	OIL PUMP INNER SMALL O-RING, TWIN CAM® 1999-LATER	EA
77-826	11286	OIL PUMP OUTER O-RING, TWIN CAM® 1999-LATER	EA
77-885	11105	OIL PUMP CAP O-RING, ALL BIG TWIN	EA
77-888	11241	OIL PUMP LOWER COVER O-RING, ALL BIG TWINS 1992-1998	EA
OIL AND OIL PAN GASKETS/SEALS			
77-821	26072-90	OIL PAN GASKET, DYNA® 1991-1998, FOAMET	EA
77-822	26072-99	OIL PAN GASKET, DYNA® 1999-LATER, FOAMET	EA
77-823	26077-93	OIL PAN GASKET, FLT 1993-1998, FIBRE	EA
77-824	26077-99	OIL PAN GASKET, FLT 1999-LATER, FOAMET	EA
EXHAUST GASKETS			
77-751	65324-83	EXHAUST GASKET, TAPERED STYLE	EA
77-752	65324-83	EXHAUST GASKET, FLAT RACE STYLE, CARBON & STEEL	EA
77-753	65324-83	EXHAUST GASKET, FLAT RACE STYLE, MASHED STEEL	EA
77-754	65834-68	EXHAUST GASKET, SHOVELHEAD 66-84, COPPER	EA
PRIMARY GASKETS/O-RINGS			
77-727	34901-07	PRIMARY GASKET, BAGGERS 07-LATER	EA
77-728	34901-85	PRIMARY GASKET, 5-SPD BIG TWIN BAGGERS 85-93, FOAMET	EA
77-729	34901-85	PRIMARY GASKET, 5-SPD BIG TWIN BAGGERS 85-93, FIBRE	EA
77-730	34901-94	PRIMARY GASKET, BIG TWIN,FLT,FXR 94-LATER, SILICONE	EA
77-731	34901-94	PRIMARY GASKET, BIG TWIN,FLT,FXR 94-LATER, FOAMET	EA

ULTIMA® GASKETS

MW#	OEM#	DESCRIPTION	QTY.
PRIMARY GASKETS/O-RINGS			
77-734	34934-06	INNER PRIMARY GASKET, ALL MODELS 06-LATER, METAL W/SILICONE	EA
77-735	34955-04	PRIMARY GASKET, SPORTSTER® 04-LATER, FOAMET	EA
77-812	34986-04	CHAIN INSPECTION COVER GASKET, SPORTSTER® 04-LATER, FOAMET	EA
77-736	34955-89	PRIMARY GASKET, SPORTSTER® 91-03, SILICONE	EA
77-737	34955-89	PRIMARY GASKET, SPORTSTER® 91-03, FOAMET	EA
77-738	60538-81	PRIMARY GASKET, 4-SPD BIG TWIN 65-88, SILICONE	EA
77-739	60538-81	PRIMARY GASKET, 4-SPD BIG TWIN 65-88, FOAMET	EA
77-740	60539-89	PRIMARY GASKET, SOFTAILS® 89-94, FOAMET	EA
77-741	60539-89	PRIMARY GASKET, SOFTAILS® 89-94, SILICONE	EA
77-742	60539-94	PRIMARY GASKET, SOFTAIL® & DYNA® 94-05, SILICONE	EA
77-743	60539-94	PRIMARY GASKET, SOFTAIL® & DYNA® 94-05, FOAMET	EA
77-744	60540-36	PRIMARY GASKET, PANHEAD, CORK & RUBBER	EA
77-745	60540-65	PRIMARY GASKET, SHOVELHEAD 65-84, FOAMET	EA
77-746	60547-06	PRIMARY GASKET, SOFTAIL® 06-LATER, FOAMET	EA
77-787	11147	INNER PRIMARY TO CASE O-RING, BIG TWIN 1982-99, TWIN CAM® 99-LATER	EA
77-788	11125	INNER PRIMARY TO CASE O-RING, SHOVELHEAD 1970-82	EA
77-835	12052	INNER PRIMARY BEARING SEAL, BIG TWIN 1984-99; WET CLUTCH OIL SEAL, TC 1999-UP	EA
77-836	25463-94	CLUTCH COVER O-RING, SPORTSTER® 1994-UP	EA
77-896	12018	INNER PRIMARY CLUTCH SEAL, 1971-1984	EA
INSPECTION COVER GASKETS			
77-732	34906-79	INSPECTION COVER GASKET, 5-SPD 1984 FXR & TOURING, FOAMET	EA
77-733	34906-85	INSPECTION COVER GASKET, 5-SPD 85-99 FXR & TOURING, FOAMET	EA
77-747	60567-36	INSPECTION COVER GASKET, PANHEAD 48-64, CORK	EA
77-748	60567-90	INSPECTION COVER GASKET, DYNA® 99-LATER, SOFTAIL® 00-LATER, FOAMET	EA
77-790	11188	INSPECTION COVER O-RING, SPORTSTER® 1991-2003	EA
DERBY COVER GASKETS			
77-723	25416-70	DERBY COVER GASKET, 3-HOLE EVO, FOAMET	EA
77-724	25416-99	DERBY COVER GASKET, 5-HOLE TWIN CAM®, FOAMET	EA
77-725	25416-99	DERBY COVER GASKET, 5-HOLE FOR BIG AIM STYLE CLUTCHES	EA
TRANSMISSION GASKETS AND SEALS			
77-831	11117	SHIFTER SLEEVE O-RING, FXR, DYNA® 1984-1999	EA
77-832	12049	TRANSMISSION MAINSHAFT SEAL, SPORTSTER® 1986-1990	EA
77-833	12050	TRANSMISSION MAINSHAFT SEAL, XL 1991-1994, BIG TWIN 1984-1994	EA
77-834	12067	TRANSMISSION MAINSHAFT SEAL, XL 1995-1999, BIG TWIN 1995-1999	EA
77-844	11165	TRANSMISSION MAINSHAFT QUAD SEAL, XL 1991-2004, BIG TWIN 1984-1999	EA
77-845	35653-98	TRANSMISSION BEARING HOUSING (TRAPDOOR) GASKET, ALL MODELS 1999-2006, DYNA® 1999-2005, FOAMET	EA
77-855	35654-06	TRANSMISSION BEARING HOUSING (TRAPDOOR) GASKET, ALL MODELS 2007-UP, FOAMET	EA
77-837	33295-36	TRANSMISSION SIDE COVER GASKET, 4 SPEED 1936-1986, FOAMET	EA
77-842	36801-87	TRANSMISSION SIDE COVER GASKET, DYNA® 1987-2005, ALL MODELS 1987-2006, FOAMET	EA
77-843	36805-06	TRANSMISSION SIDE COVER GASKET, ALL MODELS 2007-UP, FOAMET	EA
77-838	34824-36	TRANSMISSION TOP COVER, 1936-1979, FOAMET	EA
77-839	34904-86B	TRANSMISSION TOP COVER, 1987-1999, EXCEPT DYNA®, FOAMET	EA
77-840	34917-99	TRANSMISSION TOP COVER, 1999-2005 DYNA®, FOAMET	EA
77-841	34917-06	TRANSMISSION TOP COVER, 2006-LATER DYNA®, FOAMET	EA
77-884	62432-93	OIL SPOUT GASKET, BIG TWIN 1993-LATER	EA
77-891	11290	TWIN CAM® NEUTRAL SWITCH O-RING, 1999-UP	EA
77-895	12013A	MAIN DRIVE GEAR SEAL, 1981-1986	EA
77-897	12030	MAIN DRIVE GEAR SEAL, SPORTSTER® 1991-UP	EA
77-898	12035A	MAIN DRIVE GEAR SEAL, BIG TWIN 1991-1999	EA
77-899	12045	SHIFT SHAFT SEAL, BIG TWIN 1980-2006	EA
77-900	12077	OUTPUT GEAR END SEAL; 2006 DYNA®; 2007-UP ALL MODELS	EA
77-903	62423-90	OIL FILLER SPOUT GASKET, DYNA® 1991-1998	EA

GASKET MATERIALS

COMETIC GASKET

EST KITS

When you see this abbreviation in the description of a kit you can be assured that the best possible materials available are used for every gasket in that kit for that application. EST is short for, EXTREME SEALING TECHNOLOGY. These kits are more expensive than a standard kit for a reason; there is no compromise when we build these kits. These kits contain such materials as MLS head gaskets, Steel viton coated base gaskets, blue viton valve stem seals, AFM material, race style exhaust gaskets that won't fray into the port and the latest upgrades in new gasket technology and fit, such as the one piece Evolution rocker box base gasket made form our single layer .020" embossed viton coated steel. These are truly for the builder who demands that best and appreciates the long-term value for his or her dollar. EST kits are available in Complete Motor Kits and Top End Kits.

MLS™ (MULTI-LAYER STEEL HEAD GASKETS)

Ideal for both aluminum heads to cast iron blocks and aluminum heads to aluminum blocks. Two viton coated outer embossed spring steel layers with a steel inner layer that provides support to the gasket allowing multiple thickness. Withstands the shearing forces created by aluminum heads on cast ironblocks. Retains torque (once the gasket takes a torqueset, re-torquing is not required). Available thickness: .027", .030", .036", .040", .045", .051", .054", .050", .065", .074", .120"

AFM

Is the ideal gasket material for machined surfaces, especially when used between two uneven stamped surfaces that have been plated. AFM is a chemically blown, compounded nitrile synthetic rubber bonded to an aluminum core with temperature resistance of over 2500 F. AFM material has an 85% recovery while maintaining a strong torque retention. AFM does not require gasket sealers or silicone bead. Re-torque is NOT required. Available thickness: .018", .032", .045", .060"

CFM-20

A perforated steel core with an elastomer surface is ideal for head gaskets allowing heat to be drawn evenly across the gasket surface while providing maximum sealing characteristics when exposed to coolants and oils. Available thickness: .043", .051", .059"

SPRING STEEL

A stainless steel core with a .001" thick coating of viton rubber on both sides. Available thickness: .010", .014", .020"

AFM GASKETS & KITS

BIG TWIN PRIMARY GASKET & SEAL KITS

MW#	COMETIC REF#	APPLICATION
78-567	C9885	94'-up FXST, FXD Primary Kit
78-568	C9886	89-93' FXST, FXD Primary Kit
78-569	C9887	65-88' FXST, FX, FL 4-Speed Primary Kit
78-570	C9888	94'-up FLT, FLHT, FXR Primary Kit
78-571	C9889	80-93' FLT, FLHT, FXR Primary Kit

PRIMARY GASKETS BIG TWIN

Single	Single	5 Pack	5 Pack		
78-497	C9307F1	**78-427**	C9307F5	34901-94A	94'-UP FLT, FXR Big Twin Primary
78-498	C9308F1	**78-425**	C9308F5	34901-79A	80-93' Big Twin Primary FLT/FXR
78-515	C9309F1	**78-437**	C9309F5	60539-89	89-UP Softail®, Dyna® Primary
78-526	C9607F1	—	C9607F5	60538-81C	65-89' FXST, FX / FL 4 -SPEED

INSPECTION COVER GASKETS BIG TWIN

Single	Single	5 Pack	5 Pack		
78-512	C9305F1	**78-431**	C9305F5	34906-85A	89'-UP FXR, FLT Insp. Cover
78-495	C9303F1	**78-430**	C9303F5	34906-79A	80-84' FXR,FLT Insp. Cover
78-573	C9326F1	**78-574**	C9326F5	60567-36	36'-58'-64'-69' FL, XLCH Inspection Cover
78-522	C9331F1	**78-441**	C9331F5	60567-65B	65'-UP Dyna® & Softail® 4&5 Speed Inspection Cover

DERBY COVER GASKET BIG TWIN

Single	Single	5 Pack			
78-541	C9997F1	**78-542**	C9997F5	25416-99C	99'-Present Derby Cover Replaces O-ring
78-524	C9338F1	**78-383**	C9338F5	25416-70	70-83' FL, FXR Derby Cover

CAM COVER GASKETS BIG TWIN

Single	Single	5 Pack			
78-525	C9575F5	**78-543**	C9575F5	25244-99	99'-UP Twin Cam®, Cam Cover
78-504	C9328F1	**78-379**	C9328F5	25225-93X	93-98' Big Twin Cam Cover
78-510	C9302F1	**78-378**	C9302F5	25225-70X	70-92' Big Twin Cam Cover
78-523	C9334F1	**78-377**	C9334F5	25225-36C	41-69' Big Twin Cam Cover

SPORTSTER® PRIMARY GASKET

Single	Single	5 Pack			
78-579	C9943F1	**78-580**	C9943F5	34955-04	04'-UP Sportster® Primary
78-503	C9314F1	**78-435**	C9314F5	34955-89A	91-03' Sporty Primary
78-500	C9310F1	**78-434**	C9310F5	34955-75X	86-90' Sporty Primary

SPORTSTER® CAM COVER GASKET

Single	Single	5 Pack			
78-581	C9944F1	**78-582**	C9944F5	25263-90D	04'-UP Sportster® Cam Cover
78-502	C9313F1	**78-382**	C9313F5	25263-90B	91-03' Sporty Cam Cover
78-501	C9311F1	**78-381**	C9311F5	25263-86	86-90' Sporty Cam Cover

NOTE: COMETIC REF# AND OEM REF# FOR REFERENCE PURPOSES ONLY

MLS GASKETS & KITS

MW#	COMETIC REF#	APPLICATION
V - ROD "MLS" HEAD GASKETS (PAIRS)		
78-583	C9895	V-Rod .027" Std Bore Head Gasket
78-584	C9896	V-Rod .030" Std Bore Head Gasket
78-585	C9897	V-Rod .027" 4.250" Bore Head Gasket
78-586	C9898	V-Rod .030" 4.250" Bore Head Gasket
TWIN CAM® "MLS" HEAD GASKETS (PAIRS)		
78-255	C9790	Head Gasket .030" MLS All Twin Cam® Models Std bore 1999-Up
78-256	C9745	Head Gasket .040" MLS All Twin Cam® Models Std bore 1999-Up
78-257	C9721	Head Gasket .030" MLS All Twin Cam® Models 1550 Big Bore 1999-Up
78-258	C9722	Head Gasket .040" MLS All Twin Cam® Models 1550 Big Bore 1999-Up
78-261	C9725	4.000" Bore .030" MLS All Twin Cam® Models 1999 - Up
78-262	C9726	4.000" Bore .040" MLS All Twin Cam® Models 1999 - Up
78-587	C9910	4.125" Bore .030" MLS All Twin Cam® Models 1999 - Up
78-588	C9743	4.125" Bore .040" MLS All Twin Cam® Models 1999 - Up
TWIN CAM® SLS BASE GASKET (PAIRS) SINGLE LAYER STEEL		
78-594	C9937	4" Twin Cam® Base gasket .010" Pair
78-595	C9738	4" Twin Cam® Base gasket .020" Pair
78-596	C9938	4.125" Twin Cam® Base gasket .010" Pair
78-597	C9739	4.125" Twin Cam® Base gasket .020" Pair
EVO BIG TWIN & SPORTSTER® MLS HEAD GASKETS (PAIRS)		
78-246	C9688	Stock EVO's 3.570" .030"
78-247	C9689	Stock EVO's 3.570" .040"
78-248	C9690	3 5/8" Big Bore EVO's .030"
78-249	C9691	3 5/8" Big Bore EVO's .040"
78-252	C9694	3 3/4" Big Bore EVO's .030"
78-253	C9695	3 3/4" Big Bore EVO's .040"
78-250	C9692	3 13/16" Big Bore EVO's .030"
78-251	C9693	3 13/16" Big Bore EVO's .040"
EVO BIG TWIN SLS BASE GASKETS (PAIRS) SINGLE LAYER STEEL		
78-608	C9101	1340 Evolution B/T STD bore .010"
78-609	C9551	1340 Evolution B/T STD bore .020"
78-610	C9532	3 5/8" & 3 3/4" Big Bore 1340 B/T EVO's .010"
78-611	C9552	3 5/8" & 3 3/4" Big Bore 1340 B/T EVO's .020"
78-612	C9869	3 13/16" Evolution B/T .010"
78-613	C9870	3 13/16" Evolution B/T .020"
EVO SPORTSTER® SLS BASE GASKETS (PAIRS) SINGLE LAYER STEEL		
78-618	C9100	883/1200 EVO Sportsters® .010"
78-619	C9553	883/1200 EVO Sportsters® .020"
78-620	C9554	3 5/8" Big Bore 883/1200 EVO Sportsters® .010"- (ALSO FITS WISECO 3 3/4" STEEL SLEEVE B/BORE)
78-621	C9555	3 5/8" Big Bore 883/1200 EVO Sportsters® .020"- (ALSO FITS WISECO 3 3/4" STEEL SLEEVE B/BORE)
78-622	C9875	3 3/4"& 3 13/16" EVO SPORTY MILLENIUM CYLINDERS .010"- (EITHER BORE UTILIZES A 4.00" O.D. SPIGOT DIAMETER)
78-623	C9876	3 3/4" & 3 13/16" EVO SPORTY MILLENIUM CYLINDERS .020" (EITHER BORE UTILIZES A 4.00" O.D. SPIGOT DIAMETER)

NOTE: COMETIC REF# AND OEM REF# FOR REFERENCE PURPOSES ONLY

COMETIC GASKET

TWIN CAM® GASKET KITS

MW#	COMETIC REF#	OEM REF#	APPLICATION	
EST TWIN CAM® HI-PERFORMANCE KITS				
• **Complete Gasket Kit**				
77-447	C9920		'99-UP All twin Cam® Models 1550 Big Bore Kits	kit
77-432	C9777F		'99-UP Dyna®/Softails®, Std. Bore	kit
77-433	C9778F		'99-UP FLT's, Road King, Std. Bore	kit
• **Top End Gasket Kit**				
77-434	C9779		'99-UP All Twin Cam® Motors Std bore W / .040" Head Gasket	kit
77-448	C9845		'99-UP All Twin Cam® Motors Std bore W / .030" Head Gasket	kit
77-435	C9780		'99-UP All Twin Cam® Motors 1550 cc Big Bore Kit W / .040" Head Gasket	kit
77-449	C9844		'99-UP All Twin Cam® Motors 1550 cc Big Bore Kit W / .030" Head Gasket	kit
• **Twin Cam® Motor Only Kit**				
77-450	C9892		All Twin Cam® with 1550 Big Bore, Motor Only Kit, .040" MLS Head Gaskets	kit
STANDARD TWIN CAM® KITS				
• **Complete Motor Gasket Kit for 88' Twin Cam®**				
77-395	C9777F	17053-99	1999-UP DYNA®/Softail® 88' Twin Cam® Motor Gasket Kit	kit
77-451	C9778F		1999-UP FLT, Road King, Twin Cam® Motor Gasket Kit	kit
77-480	C9171		2007-Later Softail®, Twin Cam® Motor Gasket Kit	kit
77-481	C9172		2007-Later FL models, Twin Cam® Motor Gasket Kit	kit
(Kit contains all of the necessary gaskets, seals & o-rings to rebuild the motor from the cylinder base up -Head Gaskets are .059" thick.)				
• **Top End Gasket Kit for 88' Twin Cam®**				
77-396	C9779	17052-99	1999-UP 88' Twin Cam® Top End Rebuild Gasket Kit	kit
77-486	C9146		2003-Later 88' Twin Cam® Top End Gasket Kit	kit
• **Big Bore Top End Gasket Kit for 95' Twin Cam®**				
77-397	C9601		1999-UP 95' Twin Cam® 1550 Big Bore Top End Gasket Kit	kit
(Kit contains all of the necessary gaskets, seals & o-rings to rebuild the motor from the cylinder base up - Head Gaskets are .043" thick.)				
• **Big Bore Top End Gasket Kit for 3.875" Twin Cam®**				
77-487	C9147		2003-Later 3.875" Big Bore Twin Cam® Top End Gasket Kit	kit
• **Rocker Box Gasket Kit for 88' & 95' Twin Cam®**				
77-398	C9588		1999-UP 88' & 95' Twin Cam® Rocker Box Gasket Kit	kit
• **Twin Cam® Primary Gasket and Seal Kit**				
77-485	C9173		2007-Later FL models, Primary Kit	kit
(Kit contains rubber coated metal, embossed rocker gaskets as well as Kevlar fiber gaskets and nitrile rubber umbrella valves.)				
• **Cam Service Kits for Twin Cam®**				
77-452	C9664	17045-99	Cam Service Kit All T/C Models 1999 -UP	KIT

NOTE: COMETIC REF# AND OEM REF# FOR REFERENCE PURPOSES ONLY

TWIN CAM® INDIVIDUAL REPLACEMENT GASKETS, SEALS, O-RINGS 1999-UP

IMPORT MW#	COMETIC MW#	COMETIC REF#	OEM REF#	APPLICATION	QTY
• Rocker Box Assembly Gaskets					
	78-530	C9577	17286-99	Rocker Cover Gasket All Models 1999 -UP .020" Rubber Coated Steel	10
	78-531	C9579	17591-99	Breather Cover Gasket All Models 1999 -UP	10
	78-532	C9633	26858-99	Rocker Cover Umbrella Vlv All Models 1999 -UP	10
	78-533	C9679	63815-99	Breather Filter Element All Models 1999 -UP	10
	78-534	C9580	17592-99	Breather Baffle Gasket All Models 1999 -UP	10
	78-535	C9576	16719-99	Rocker Housing Gasket All Models 1999 -UP .020" Rubber Coated Steel	10
	95-825	C9629	11270	Rocker Arm Support O-ring All Models 1999 -UP	10
	78-537	C9836		Twin Cam® Viton Valve seals	25
• Pushrod, Tappet Gaskets and Valve Stem Seals					
95-716	**95-726**	C9294	11293	Pushrod Cvr O-ring UPPER all Models 1999 -UP	10
95-241	**95-826**	C9459	11132	Pushrod Cvr O-ring MIDDLE all Models 1999 -UP	25
95-713	**95-827**	C9293	11145	Pushrod Cvr O-ring LOWER all Models 1999 -UP	25
	78-405	C9578	18635-99	Lifter Cvr Gasket All Models 1999 -UP	10
	78-537	C9836		Valve Stem Oil Seal All Models 1999 -UP ("VITON")	25
	95-744	C9023	18001-83B	Valve Stem Oil Seal All Models 1999 -UP ("TEFLON")	25
• Head and Base Gaskets					
	78-255	C9790	16775-99	Head Gasket .030" Spring Steel All Models Std Bore 1999 -UP	2
	78-256	C9745		Head Gasket .040" Spring Steel All Models Std Bore 1999 -UP	2
	78-257	C9721		Head Gasket 1550cc .030" Spring Steel; All Models Big Bore 1999-UP	2
	78-258	C9722		Head Gasket 1550cc (2) .040" Spring Steel; All Models Big Bore 1999-UP	2
	78-507	C9581		Head Gasket CFM-20 .059" All Models Std. Bore 1999 -UP	2
	78-508	C9648		Head Gasket CFM-20 .051" All Models Std. Bore 1999 -UP	2
	78-509	C9649		Head Gasket CFM-20 .043" All Models Std Bore 1999 -UP	2
	78-259	C9723		Head Gasket 1550cc .027" Copper; All Models Big Bore 1999-UP *Dowel Pin O-Rings must be used with Copper Head Gaskets*	2
	78-260	C9724		Head Gasket 1550cc CFM-20 .043"; All Models Big Bore 1999-UP	2
	78-261	C9725		Head Gasket 4" Twin Cam® All Models; .030" Spring Steel 1999-UP	2
	78-262	C9726		Head Gasket 4" Twin Cam® All Models; .040" Spring Steel 1999-UP	2
	95-865	C9628	11256	Cylinder Base O-ring All Models 1999 -UP	10
	95-816	C9438	11273	Head Gasket Locating Dowel O-ring All Models 1999 -UP	10
	95-816	C9438	11273	Cylinder Locating Dowel O-ring All Models 1999 -UP	10
• Motor Case O-rings and Seals					
95-754	**95-817**	C9287	26432-76A	Engine Case Locating Dowel O-ring 1999 -UP	10
	95-818	C9667	11289	Crankshaft Position Sensor O-ring 1999 -UP	25
	95-819	C9632	12068	Motor Sprocket Shaft Oil Seal 1999 -UP	5
• Intake and Exhaust Gaskets					
	78-538	C9719		Exhaust Gasket All Models 1999 -UP "RACE STYLE"	10
	78-445	C9288	65324-83A	Exhaust Gasket All Models 1999 -UP "TAPERED"	10
	78-206	C9540		Exhaust Gasket, Stainless Spiral	10
	95-758	C9290	26995-86B	Intake Manifold Seal Carb Models 1999 -UP	10
• Intake and Exhaust Gaskets					
	95-758	C9290	26992-99	EFI Intake Manifold Seal EFI ONLY 1999 -UP	10
	95-759	C9088	27002-89	Carb.to Intake Manifold Seal All Models 1999-UP	1
• Oil and Oil Pump Gaskets					
	95-757	C9437	11286	Outer Oil Pump O-ring All Models 1999 -UP	10
	95-755	C9449	11301	Oil Pump Inner Small O-ring All Models 1999 -UP	10
	95-726	C9294	11293	Oil Pump Inner Med O-ring All Models 1999 -UP	10
	95-726	C9294	11293	Oil Filter Mnt Brkt O-ring All Models 1999 -UP	10
	95-727	C9440	11140	Piston Cooling Jet O-ring All Models 1999 -UP	10
	78-539	C9646	26072-99	Oil Pan Gasket DYNA® 1999 -UP	10
	78-540	C9647	26077-99	Oil Pan Gasket (1) FLT 1999 -UP	10

NOTE: COMETIC REF# AND OEM REF# FOR REFERENCE PURPOSES ONLY

TWIN CAM® INDIVIDUAL REPLACEMENT GASKETS, SEALS, O-RINGS 1999-UP - CONT'D

IMPORT MW#	COMETIC MW#	COMETIC REF#	OEM REF#	APPLICATION	QTY
• Primary Housing Gaskets					
	78-427	C9307F5	34901-94	Primary Gasket FLT, FXR 1994 -UP, AFM .060"	5
	78-437	C9309F5	60539-89	Primary Gasket Softail®, Dyna® 1989-UP, AFM .060 "	5
	78-541	C9997F1	25416-99C	Derby Cover Gasket Replaces O-ring1999-UP	1
	78-542	C9997F5		Derby Cover Gasket Replaces O-ring1999-UP	5
	95-820	C9662	25416-99	Derby Cover O-ring all Big Twin Models	5
	78-431	C9305F5	34906-85A	Inspection Cover Gasket FLT, FXR Models 1999 -UP, AFM .060"	5
	78-441	C9331F5	60567-90A	Inspection Cover Gasket Dyna® Models 1999 -UP, Softail® '00-UP Models, AFM .060"	5
	95-714	C9441	11147	Inner Primary to Case O-ring All Models 1999 -UP	10
95-737	**95-790**	C9260	12052	Wet Clutch Oil Seal All Models 1999 -UP	5
95-794	**95-821**	C9261	12066	Starter Motor Shaft Oil Seal All Models 1999 -UP	5
• Cam Housing					
	95-822	C9627	11288	Cam Position Sensor O-ring All Models 1999 -UP	10
	95-823	C9631	11298	Cam Suppport Plate Plug O-ring All Models 1999 -UP	10
	78-543	C9575F5	25244-99	Cam Cover Gasket All Models 1999 -UP, AFM .060"	5
• Carb and EFI Gaskets					
	78-544	C9626	29062-95	Twin Cam® Carb to Backing Plt. Gasket Carb Models 1999 -UP	10
	78-545	C9634	29313-95	Twin Cam® Air Filter Mnt. Gasket Carb Models 1999 - UP	10
	78-546	C9641	29368-99	EFI T/C Ind Module to Bck Plt Gasket 1999 -UP	10
	78-547	C9643	29463-99	EFI T/C Filter Element Gskt EFI Only 1999 -UP	10

EST BIG TWIN EVOLUTION MOTOR KITS

MW#	COMETIC REF#	APPLICATION	QTY
• Complete Gasket Kit			
77-402	C9749F	84'-88 EVO Big Twin 4 & 5 Spd.	kit
77-403	C9750F	84'-91 EVO Big Twin FLT, FXR 5 Spd.	kit
• Big Bore Complete Gasket Kit			
77-453	C9908	92'-99 3 5/8" Bore complete motor kit	kit
• Top End Gasket Kit			
77-405	C9635	92'-99 EVO Big Twin	kit
77-406	C9747	84'-91 EVO Big Twin	kit
• Evo Big Twin Motor Only Gasket Kit			
77-454	C9890	92'-99 Evo Big Twin Std bore, MOTOR Only Kit	kit
77-455	C9891	84'-91 Evo Big Twin Std bore, MOTOR Only Kit	kit
• Big Bore Top End Gasket Kit			
77-407	C9766	3 5/8" Bore; 92'-99 EVO Big Twin	kit
77-408	C9767	3 5/8" Bore; 84'-91 EVO Big Twin	kit
77-411	C9770	3 3/4" Bore; 92'-99 EVO Big Twin	kit
77-412	C9771	3 3/4" Bore;84'-91 EVO Big Twin	kit
77-409	C9768	3 13/16" Bore; 92'-99 EVO Big Twin	kit
77-410	C9769	3 13/16" Bore; 84'-91 EVO Big Twin	kit
• Rocker Box Rebuild Gasket Kit			
77-413	C9752	92'-99 EVO Big Twin	kit
77-414	C9753	84'-91 EVO Big Twin	kit

STANDARD EVOLUTION MOTOR KITS

MW#	COMETIC REF#	OEM REF#	APPLICATION	QTY
• Complete Gasket Kits for Evo Big Twin 1340				
77-300	C9748F	17041-92A	1992 & later Big Twin 1340 Evo 4 & 5 Spd. Softails® & Dyna® kit	
77-301	C9751F	17035-83A	1984-91 Big Twin Evo 1340	kit
77-302	C9750F	17035-84	1984-91 Big Twin Evo 1340 FLT, FXR, 5 Spd.	kit
	For all Big Twin Models from 1984 to present. (Kit contain valve stem seals, umbrella valve rocker covers and exhaust gaskets)			
• Top End Kits for Evo Big Twin 1340				
77-304	C9077	17040-92A	1992-99 Big Twin 1340 Evo	kit
77-305	C9074	17033-83A	1984-91 Big Twin Evo 1340 4 & 5 Spd. Softails® & Dyna®, FLT's, FXR's	kit
(Kit contains all of the necessary gaskets, seals and o-rings to rebuild the motor from the cylinder base up. Fits all Evo models either 4-speed or 5 speed. Head Gaskets are .043" & Base Gaskets are .020"thick.)				
• Rocker Box Kits for Evo Big Twin 1340				
77-306	C9078	17042-92	1992-99 All Big Twin Evo's	kit
77-307	C9075	17038-90	1984-91 All Big Twin Evo's Standard or Big Bore	kit
	(Kit contains nitrile rubber components, vulcanized fiber stud and copper stud washers)			
• Big Bore Evo 1340 Top End Gasket Kits				
77-336	C9112		3 5/8" Bore 1992-99 Big Twin 1340	kit
77-337	C9767		3 5/8" Bore 1984-91 Big Twin 1340	kit
77-340	C9476		3 3/4" Bore 1984-91 Big Twin 1340	kit
77-341	C9477		3 3/4" Bore 1992-99 Big Twin 1340	kit
77-338	C9472		3 13/16" Bore 1992-99 Big Twin 1340	kit
77-339	C9473		3 13/16" Bore 1984-91 Big Twin 1340	kit
	(Kit contains all of the necessary gaskets, seals and o-rings to rebuild your 3 5/8", 3 13/16" or 3 3/4" Evo Big Bore motor from the cylinder base up.)			

1984-99 BIG TWIN EVO INDIVIDUAL REPLACEMENT GASKETS, SEALS, O-RINGS

IMPORT MW#	COMETIC MW#	COMETIC REF#	OEM REF#	APPLICATION	QTY
• Rocker Box Gaskets					
	78-401	C9481	26856-89	93'-UP Umbrella Valve Seal	10
78-443	**78-548**	C9400	6114	84'-99 Rocker Box Washer copper	10
	78-444	C9286	63858-49	84'-99 Rocker Box Washer paper	10
	78-549	C9706	17356-84	84'-91 Upper Rocker Cover Gasket cork	5
	78-364	C9277	17356-84A	84'-91 Upper Rocker Cover Gasket rubber	5
	78-365	C9278	17356-92	92'-99 Upper Rocker Cover Gasket rubber	5
	78-366	C9283	17358-84A	84'-99 Inner Rocker Cover Gasket rubber	5
	78-550	C9708	17355-84	84'-91 Lower Rocker Cover Gasket cork	5
	78-362	C9281	17355-84A	84'-91 Lower Rocker Cover Gasket rubber	5
	78-363	C9282	17355-92	92'-99 Lower Rocker Cover Gasket rubber	5
	78-551	C9561	16778-97X	84'-99 Lower Right Rocker Gasket .020" rubber coated steel	5
	78-356	C9285	16778-84A	84'-99 Lower Right Rocker Gasket fiber	5
	78-552	C9563	16779-97X	84'-99 Lower Left Rocker Gasket .020" rubber coated steel	5
	78-357	C9284	16779-84A	84'-99 Lower Left Rocker Gasket fiber	5
	78-553	C9865		84'-99 One piece Rocker Base all Evo's .020" rubber coated steel	2
• Pushrod and Tappet Guide Gaskets					
95-716	**95-726**	C9292	11157	84'-99 Upper Pushrod Tube O-ring	25
95-241	**95-826**	C9459	11132	84'-99 Middle Pushrod Tube O-ring	25
95-713	**95-827**	C9293	11145	84'-99 Lower Pushrod Tube O-ring	25
	78-373	C9297	18633-48D	84'-99 Rear Tappet Block Gasket Hi Density Fiber	10
	78-374	C9298	18634-48C	84'-99 Front Tappet Block Gasket Hi Density Fiber	10
	77-456	C9586		84'-99 Evo Pushrod O-ring Set	Kit

1984-99 BIG TWIN EVO INDIVIDUAL REPLACEMENT GASKETS, SEALS, O-RINGS

IMPORT MW#	COMETIC MW#	COMETIC REF#	OEM REF#	APPLICATION	QTY
• Head and Base Gaskets					
	78-246	C9688		Stock Bore EVO's 3.570" .030" "MLS" Design	2
	78-247	C9689		Stock Bore EVO's 3.570" .040" "MLS" Design	2
	78-248	C9690		3 5/8" Big Bore EVO's .030" "MLS" Design	2
	78-249	C9691		3 5/8" Big Bore EVO's .040" "MLS" Design	2
	78-252	C9694		3 3/4" Big Bore EVO's .030" "MLS" Design	2
	78-253	C9695		3 3/4" Big Bore EVO's .040" "MLS" Design	2
	78-250	C9692		3 13/16" Big Bore EVO's .030" "MLS" Design	2
	78-251	C9693		3 13/16" Big Bore EVO's .040" "MLS" Design	2
	78-537	C9836		84'-99 Valve Guide Seals "VITON"	25
	95-744	C9023	18001-83A	84'-99 Valve Guide Seals "Teflon"	25
95-754	**95-817**	C9287	26432-76A	84'-99 Cylinder Stud Insert O-ring	10
	78-254	C9537	16770-84B	84'-99 Std. Bore Fire Ring Head Gasket .043" CFM-20	5
	78-352	C9269		84'-99 Std. Bore Fire Ring Head Gasket .059" CFM-20	5
	78-554	C9551		84'-99 Stock Sleeve Cylinder Base Gasket .020" Rubber Coated Steel	2
	78-555	C9009	16774-86	84'-99 Stock Sleeve Cylinder Base Gasket .020' Fiber	2
	78-556	C9034	16773-85	84'-99 3 5/8" Fire Ring Head Gasket .043" CFM-20	2
	78-557	C9615	16777-86S	84'-99 3 5/8" Base Gasket .020" Fiber	2
	78-558	C9552		84'-99 3 5/8" Base Gasket .020" Rubber Coated Metal	2
	78-559	C9709		84'-99 3 3/4" Fire Ring Head Gasket .043" CFM-20	2
	78-560	C9615		84'-99 3 3/4" Base Gasket .020" Fiber	2
	78-561	C9082		84'-99 3 13/16" Head Gasket .043" Copper	2
	78-562	C9617		84'-99 3 13/16" Base Gasket .020" Fiber	2
	78-563	C9609		84'-99 4" Head Gasket .043" copper w / Axtell Cyl.	2
• EVO Cam Service Kits					
	77-457	C9623		1970-92 All Big Twins	Kit
	77-458	C9624		1993-99 All Big Twins	Kit
• Cam Housing Gaskets					
	78-379	C9328F5	25225-93	93'-99 Cam Cover Gasket AFM	5
	78-378	C9302F5	25225-70B	84'-92 Cam Cover Gasket AFM	5
78-148	**78-422**	C9306	32591-80	84'-99 Point Cover Gasket	EA/10
95-777	**78-564**	C9350	83162-51DL	84'-99 Point Seal double lip	5
• Intake and Exhaust					
	95-759	C9088	27002-89	89' to Present Carb to Manifold Sealing Ring	1
	78-411	C9299	29242-83	84'-89 Intake to Head Compliance Fitting Gasket	10
	95-758	C9290	26995-86A	90'-99 Intake to Head Compliance Fitting Gasket	10
	78-538	C9719	65324-83	84'-91 Exhaust Port Gasket "RACE STYLE"	10
	78-445	C9288	65324-83A	92'-99 Exhaust Port Gasket "Taper Style"	10
• Oil Pump Gaskets and Seals					
	95-828	C9435	11105	84'-99 Oil Pump Cap O-ring	25
	95-727	C9440	11241	92'-99 Oil Pump Cover O-ring	25
	95-753	C9349	26227-58	84'-99 Oil Pump Drive Gear Seal	5
	78-396	C9383	26273-92	92'-99 Oil Pump Body Gasket paper	10
	78-395	C9381	26273-80B	84'-91 Oil Pump Body Gasket paper	10
	78-397	C9382	26276-80A	84'-91 Oil Pump Cover Gasket paper	10
	78-398	C9384	26276-92	92'-99 Oil Pump Cover Gasket paper	10
• Misc. O-ring and Seal					
—	**95-829**	C9438	11170	95'-99 Crankshaft Postion Sensor O-ring	10/25
95-731	**95-830**	C9351	12026B	84'-99 Sprocket Shaft Seal	5
• Derby Cover Gaskets and O-rings					
	78-383	C9338F5	25416-70C	70'-E84 Derby Cover Gasket , AFM60	5
	95-751A	C9442	25416-84	L84'-98 Derby Cover O-ring	10
95-761	**78-565**	C9363	31433-84A	84'-98 Derby Cover Bolt Washer metal	5
• Inspection Cover Gaskets					
	78-430	C9303F5	34906-79	80'-84 FXR, FLT Primary Inspec. Cover Gasket, AFM60	EA/5
	78-431	C9305F5	34906-85	85'-UP FXR, FLT Primary Inspection Cvr. Gasket, AFM60	5
	78-440	C9326F5	60567-36	36'-64 FL, FLTH, 58-69 XLCH Inspection Cover Gasket, AFM60	5
	78-441	C9331F5	60567-65C	65'-UP Inspec. Cover Gasket Dyna® & Softails®, AFM60	5

1984-99 BIG TWIN EVO INDIVIDUAL - CONT'D

IMPORT MW#	COMETIC MW#	COMETIC REF#	OEM REF#	APPLICATION	QTY
• Primary Gaskets, O-rings					
	78-497	C9307F1	34901-94A	94'-UP FLT, FXR Big Twin Primary	EA
	78-498	C9308F1	34901-79A	80-93' Big Twin Primary FLT/FXR	EA
	78-515	C9309F1	60539-89	89'-UP Softail®, Dyna® Primary	EA
	78-526	C9607F1	60538-81C	65'-88 FXST, FX / FL 4 -SPEED	EA
	95-831	C9536	11125	70-E82 Inner Primary O-ring	10
	95-832	C9441	11147	L82-99 Inner Primary O-ring	10
95-784	95-833	C9518	12018	70-E84 Inner Primary Bearing Seal	5
95-737	95-790	C9260	12052	L84-99 Inner Primary Bearing Seal double lip	5
	78-442	C9343	60629-55	55-64 Chain Housing to Motor Gasket	10
• Starter Housing Gaskets, O-rings					
95-701	95-842	C9451	11101	L66'-82 Starter Oil Deflector O-ring	10
	95-834	C9433	11116	91'-99 Starter Housing O-ring	25
95-721	—	C9436	11171	89'-90 Starter Bolt O-ring	10
95-788	95-836	C9491	12051	L84'-88 Starter Shaft Seal	5
95-794	95-837	C9261	12066	94'-99 Starter Shaft Seal	5
	95-738A	C9379	12053	89'-93 Starter Shaft Seal	5
	78-450	C9507	31320-80	80'-86 Starter Housing Gasket	10
	78-451	C9508	31321-80	80'-86 Starter Cover Gasket	10
	95-781	C9509	31341-80-DL	80'-86 Starter Shaft Seal	5
	78-566	C9717	60518-65	65'-88 Starter Hole Block Off Gasket	10
	78-439	C9330	60559-80	65'-85 Starter Housing Gasket	10
	78-149	C9702	60645-65	65'-84 Solenoid Mount Gasket	10
• Shifter Shaft Seals					
	95-838	C9484	11117	L84'-99 FXR,DYNA® Shifter Sleeve O-ring	25
95-715	95-839	C9357	11148	82'-E84 Shifter Shaft Quad Seal	10
	95-840	C9661	11191	90'-99 FXST, FLST Shift Lever O-ring	25
95-786	95-841	C9525	60641-74	74'-85 Shifter Shaft Seal	5

1936-UP BIG TWIN INDIVIDUAL REPLACEMENT GASKETS, SEALS, O-RINGS

IMPORT MW#	COMETIC MW#	COMETIC REF#	OEM REF#	APPLICATION	QTY
• Seals, O-rings and Washers					
	95-843	C9498	6007	80'-98 Drain Plug Washer	10
95-703		C9435	11105	90'-99 Drain Plug O-ring	10
95-798		C9529	11115	65'-86 Counter Shaft O-ring	10
95-717		C9361	11165	L84'-99 Mainshaft Quad Seal	10
	95-799	C9530	11166	84'-86 Mainshaft Bearing O-ring	25
95-795	—	C9263	11178	87'-98 Filler Plug O-ring	25/10
95-723		C9447	11179	87'-99 Clutch Cable O-ring	25
	95-779	C9531	12010	L79'-86 Shifter Shaft Seal	5
	95-789	C9493	12013A	L81'-86 Main Drive Gear Seal	5
	95-728	C9372	12013	L81'-86 Main Drive Gear Seal	5
95-778		C9494	12014	65'-E84 Clutch Hub Nut Seal	5
95-780		C9506	12022	L66'-E81 Main Drive Gear Seal	5
95-793	95-792	C9258	12035A	91'-99 Main Drive Gear Seal	5
95-797		C9528	12043	80'-86 Starter Shaft Seal	5
	95-796	C9527	12044DL	80'-E84 Main Drive Gear Seal	1
	95-787	C9259	12045DL	80'-99 Shifter Shaft Seal	5
95-736		C9359	12050	L84'-94 Main Shaft Seal	1
	95-791	C9262	12067A	95'-99 Mainshaft Seal	1
	95-848	C9497	33043-80	65'-95 Neutral Indicator Washer	10
	95-762	C9374	33076-37	37'-86 Starter Crank Seal	10
	96-299	C9519	34036-36	36'-E79 Cam Shaft Seal rubber	10
	95-785	C9523	35230-39DL	36'-79 Mainshaft Seal	5
	95-767	C9411	35231-36	36'-E77 Mainshaft Oil Seal cork washer	10
	95-768	C9354	37101-84	84'-86 Clutch Release Lever O-ring	1
95-782	95-772	C9513	37741-67A	L79'-81 Mainshaft Seal Double Lip	5
	95-783	C9514	37741-82DL	82'-86 Main Drive Gear Seal Double Lip	5
	95-773	C9403	62702-52	36'-86 Drain Plug Washer	10

CARBURATOR GASKETS

COMETIC MW#	COMETIC REF#	OEM REF#	APPLICATION	QTY
	C9452	11107	66'-71 XL, 67'-70 Big Twin Tillotson Spacer O-ring	10
95-759	C9088	27002-89	88'-98 XL, 90'-99 Big Twin Keihin CV Seal Ring	1
78-402	C9417	27023-71	72'-E76, 79'-85 XL; 71'-75 Big Twin Bendix Manifold Gasket	10
78-403	C9425	27077-78	78'-89 Big Twin Kiehin Manifold Gasket	10
78-409	C9300	29058-77	L76'-87 XL, 76'-89 Big Twin Keihin air cleaner Gasket	10
78-410	C9301	29059-88	88'-98 XL, 90'-99 Big Twin Keihin CV Air Cleaner Gasket	20

MOTOR KITS FOR SHOVELHEAD & PANHEAD MOTORS

MW#	COMETIC REF#	OEM REF#	APPLICATION	QTY

EST MOTOR KITS FOR SHOVELHEAD & PANHEAD MOTORS

• Complete EST Gasket Kits for Shovelhead/Panhead

78-624	C9900	17029-66	1966-69 74" Shovelhead FL, FLH	kit
78-625	C9964	17029-70A	1970-84 74" & 80" Shovelhead 4 Spd.	kit
78-626	C9965	17029-80	1980-84 80" Shovelhead 5 Spd. FLT	kit
78-627	C9966	17028-48	1948-65 Panhead FL, FLH	kit

• Top End EST Gasket Kits for Shovelhead/Panhead

78-628	C9967	17034-66X	1966-84 74" & 80" Shovelhead 4 or 5 Spd.	kit
78-629	C9968	17034-48	1948-65 Panhead FL, FLH	kit

• Big Bore Shovelhead Top End Gasket Kits

78-630	C9918		3 5/8" Bore 1966-84 All Models	kit
78-631	C9969		3 13/16" Bore 1966-84 All Models	kit

EST Kits contain MLS head gaskets, steel viton coated base gaskets and AFM material

STANDARD MOTOR KITS FOR SHOVELHEAD & PANHEAD MOTORS

• Complete Gasket Kits for Shovelhead/Panhead

77-330	C9900	17029-66	1966-69 74" Shovelhead FL, FLH	kit
77-331	C9154	17029-70A	1970-84 74" & 80" Shovelhead 4 Spd.	kit
77-332	C9965	17029-80	1980-84 80" Shovelhead 5 Spd. FLT	kit
77-333	C9041F	17028-48	1948-65 Panhead FL, FLH	kit

(Kit contains all of the necessary gaskets, seals and o-rings and washers to completely overhaul any Shovelhead from 1966 thru 1984, or Panhead from 1948-65. Head Gaskets are .043" CFM-20 and Base Gaskets are .031")

• Top End Gasket Kits for Shovelhead/Panhead

77-334	C9118	17034-66X	1966-84 74" & 80" Shovelhead 4 or 5 Spd.	kit
77-335	C9042	17034-48	1948-65 Panhead FL, FLH	kit

Head Gaskets are .043" CFM-20 and Base Gaskets are .031".

• Big Bore Shovelhead Top End Gasket Kits

77-459	C9941		3 5/8" Bore 1966-84 All Models, .043" CFM20 Head Gaskets	kit
77-347	C9474		3 5/8" Bore 1966-84 All Models	kit
77-348	C9475		3 13/16" Bore 1966-84 All Models	kit

(Kit contains all of the necessary gaskets, seals, o-rings and washers needed to rebuild your 3 5/8" or 3 13/16" motor from the cylinder base up. Head Gaskets are .032" copper and Base Gaskets are .031")

• Rocker Housing Gaskets and O-rings

78-632	C9986	17540-69	66'-84 Rocker Cover Gasket .020" Viton Coated Embossed Steel	2
78-368	C9336	17540-69	66'-84 Rocker Cover Gasket .031" Fiber	10
78-369	C9342	17541-48A	48'-65 Rocker Cover Gasket .031" Fiber	10
78-367	C9346	17507-48	48'-65 Rocker Cover Felt Pad	10
95-701	C9451	11101	66'-84 Rocker Shaft O-ring	25
95-743	C9424	18000-81	L81'-84 Valve Guide Seal "Teflon"	25
78-370	C9419	18196-51	51'-29 Valve Guide Gasket	20
78-633	C9998		Late Shovelhead & .625" O.D. Guides "Viton" Seal with garter	20

MOTOR KITS FOR SHOVELHEAD & PANHEAD MOTORS

IMPORT MW#	COMETIC MW#	COMETIC REF#	OEM REF#	APPLICATION	QTY
• Push Rod O-rings and Tappet Block Gaskets					
	95-853	C9598	17955-36	36'-E79 Push Rod Cover Small cork	25
95-742	**95-854**	C9606	17955-48	48'-E79 PushRod Cover Large cork	10/25
95-701		C9451	11101	L79'-E81 Push Rod Cover O-ring Upper	10
	95-855	C9459	11132	L79'-84 Push Rod Cover O-ring Middle	25
	95-856	C9460	11133	L79'-E81 Push Rod Cover O-ring Lower	10
	95-857	C9711	11118	L81'-84 Push Rod Cover O-ring Upper	25
95-711		C9461	11133	L79'-E81 Push Rod Cover Quad Seal Lower	10
	78-373	C9297	18633-48D	48'-84 Rear Tappet Block Gasket .020" Fiber	10
	78-374	C9298	18634-48C	48'-84 Front Tappet Block Gasket .020" Fiber	10
• Head and Base Gaskets					
	78-634	C9984	16770-66X	66'-84 Shovelhead "MLS" Stock Bore Head Gasket 74" & 80" .040"	2
	78-635	C9985		66'-84 Shovelhead "MLS" 3 5/8 BB Head Gasket .040"	2
	78-636	C9987		66'-84 Shovelhead Base Front & Rear .020" "Viton"	2
	78-637	C9988		66'-84 Shovelhead Base 3 5/8 Front & Rear .020" "Viton"	2
	78-638	C9989		66'-84 Shovelhead Base 3 5/8 2 Fronts for S&S® Cylinders "Viton"	2
	78-61	C9604	16770-66X	66'-84 Shovelhead Fire Ring Stock Bore Head Gasket; .043" CFM-20	1
	78-639	C9714		66'-84 Shovelhead Stock Bore Head Gasket; .032" Copper	2
	78-640	C9713		66'-84 Shovelhead 3 5/8" Copper Head Gasket: .032"	2
	78-641	C9618		66'-84 Shovelhead 3 5/8" Base Gasket: .031" Fiber	2
	78-642	C9893		66'-84 Shovelhead 3 13/16" Base Gasket: .020" RC Metal	2
	78-643	C9567	16776-48	48'-84 Pan/Shovel Front Cyl. Std. Bore base Gasket; .031 Fiber	10
	78-644	C9568	16777-48	48'-84 Pan/Shovel Rear Cyl. Std. Bore base Gasket; .031 Fiber	10
	78-645	C9712		48'-84 Shovelhead Fire Ring 3 5/8" Big Bore Head Gasket	10
	78-646	C9613	16770-48X	48'-65 Panhead Fire Ring Stock Bore Head Gasket; .043" CFM-20	2
• Cam Service Kits					
	77-457	C9623		1970-92 All Big Twins	Kit
• Cam / Gear Housing Gaskets and Seals					
	78-377	C9334F5	25225-36C	41'-69 Gear Cover Gasket, AFM60	5
	78-378	C9302F5	25225-70B	70'-84 Cam Cover Gasket, AFM60	5
	78-421	C9323	32591-70	70'-79 Points Cover Gasket	10
	78-422	C9306	32591-80	80'-84 Points Cover Gasket	10
95-777		C9350	83162-51DL	70'-84 Cam Cover Seal / Double Lip	5
	78-419	C9337	32521-36	36'-64 Timer Base Gasket	10
• Intake and Exhaust Gaskets					
95-760		C9453	27060-55	55'-E78 Manifold to Head O-ring	10
	95-864	C9608	27062-78	L78'-84 Intake Seal Manifold to Head Rubber Band	10
	78-446	C9587	65834-68X	66'-84 Exhaust Gasket with Fire Ring	10
• Oil Pump and Related Gaskets / Seals					
95-703		C9435	111.05	L70'-84 Oil Screen Pump Plug O-ring	10
	95-753	C9349	26227-58	68'-84 Oil Pump Seal	5
	78-647	C9715	26231-78	54'-80 Oil Pump Relief Plug Gasket	10
	78-384	C9397	26244-37	37'-59 Oil Pump Body Gasket	10
	78-385	C9393	26245-41	41'-67 Oil Pump Gasket Fiber	10
	78-387	C9391	26246-68D	68'-E80 Oil Pump Body Fiber	10
	78-389	C9394	26257-50A	L50'-67 Oil Pump Cover Fiber	10
	78-392	C9392	26258-68D	68'-E80 Oil Pump Cover Gasket Fiber	10
	78-397	C9382	26276-80A	L80'-84 Oil Pump Cover Gasket Fiber	10
	95-773	C9403	62702-52	66'-E70 Oil Screen Plug Gasket	10
95-775		C9365	63529-57	63'-84 Oil Line Sleeve Seal	25
95-731		C9351	12026A	70'-84 Motor Main Shaft Seal	5
• Generator Gaskets / Seals					
	78-414	C9322	30143-30	36'-57 Gen. Gasket	10
	78-415	C9321	30143-58	58'-69 Gen. Gasket	5
• Derby Cover Gaskets and O-rings					
	78-383	C9338F5	25416-70C	70-E84 Derby Cover Gasket , AFM60	5

NOTE: COMETIC REF# AND OEM REF# FOR REFERENCE PURPOSES ONLY

MOTOR KITS FOR SHOVELHEAD & PANHEAD MOTORS

IMPORT MW#	COMETIC MW#	COMETIC REF#	OEM REF#	APPLICATION	QTY
• Inspection Cover Gaskets					
	78-430	C9303F5	34906-79	80-84 FXR, FLT Primary Inspec. Cover Gasket, AFM60	5
	78-440	C9326F5	60567-36	36-64 FL, FLTH, 58-69 XLCH Inspection Cover Gasket, AFM60	5
	78-441	C9331F5	60567-65C	65-UP Inspec. Cover Gasket Dyna® & Softails®, AFM60	5
• Primary Gaskets, O-rings					
	78-498	C9308F1	34901-79A	80-93' Big Twin Primary FLT/FXR	EA
	78-526	C9607F1	60538-81C	65'-88 FXST, FX / FL 4 -SPEED	EA
	78-438	C9607F5	60540-65A	1965 / 1980. THIN, .032", 9 HOLE	5
	78-437	C9309F5	60539-89	FXST & DYNA® 1989 & LATER	5
	95-831	C9536	11125	70-E82 Inner Primary O-ring	10
	95-832	C9441	11147	L82-99 Inner Primary O-ring	10
95-784	**95-833**	C9518	12018	70-E84 Inner Primary Bearing Seal	5
	78-442	C9343	60629-55	55-64 Chain Housing to Motor Gasket	10
• Starter Housing Gaskets, O-rings					
95-701	**95-833**	C9451	11101	L66-82 Starter Oil Deflector O-ring	10
	78-450	C9507	31320-80	80-86 Starter Housing Gasket	10
	78-451	C9508	31321-80	80-86 Starter Cover Gasket	10
	95-781	C9509	31341-80-DL	80-86 Starter Shaft Seal	5
	78-566	C9717	60518-65	65-88 Starter Hole Block Off Gasket	10
	78-439	C9330	60559-80	65-85 Starter Housing Gasket	10
	78-149	C9702	60645-65	65-84 Solenoid Mount Gasket	10
• Shifter Shaft Seals					
95-715	**95-839**	C9357	11148	82-E84 Shifter Shaft Quad Seal	10
95-786	**95-841**	C9525	60641-74	74-85 Shifter Shaft Seal	5

BUELL® & EVO SPORTSTER®

MW#	COMETIC REF#	OEM REF#	APPLICATION	QTY
EST BUELL FIREBOLT and BLAST				
• Top End and Complete Motor Rebuild Gasket Kits				
78-648	C9856		Buell Firebolt Top End Rebuild Kit Std. Bore	kit
78-649	C9857		Buell Firebolt CompleteMotor Rebuild Kit Std. Bore	kit
78-650	C9863		Buell Blast Big Bore Top End Rebuild	kit
78-651	C9864		Buell Blast Big Bore Complete Motor Kit	kit
EST EVO SPORTSTER® MOTOR GASKET KITS				
• Complete Gasket Kits				
77-415	C9754F		86'-90 883 EVO Sportster®	kit
77-416	C9755F		91'-03 883 EVO Sportster®	kit
77-417	C9756F		86'-87 1100 EVO Sportster®	kit
77-418	C9757F		88'-90 1200 EVO Sportster®	kit
77-419	C9758F		91'-03 1200 EVO Sportster®	kit
77-460	C9855F		91'-03 1200 EVO Sportster® W / .030" Head Gasket	kit
77-461	C9952		2004-UP 1200 EVO Sportster®	kit
77-462	C9953		2004-UP 1200 EVO Sportster ® W / .030" Head Gasket	kit
• Top End Gasket Kits				
77-425	C9759		86'-90 883 EVO Sportster®	kit
77-426	C9760		91'-UP 883 EVO Sportster®	kit
77-427	C9761		86'-87 1100 EVO Sportster®	kit
77-428	C9762		88'-90 1200 EVO Sportster®	kit
77-463	C9907		88'-90 1200 EVO Sportster® W / .030" Head Gasket	kit
77-429	C9763		91'-03 1200 EVO Sportster®	kit
77-464	C9854F		91'-03 1200 EVO Sportster® W / .030" Head Gasket	kit
77-465	C9970		2004-UP 1200 EVO Sportster®	kit
77-466	C9971		2004-UP 1200 EVO Sportster ® W / .030" Head Gasket	kit

BUELL® & EVO SPORTSTER®

MW#	COMETIC REF#	OEM REF#	APPLICATION	QTY
• **Big Bore Top End Gasket Kits**				
77-420	C9772		3 3/4" Bore; 86'-90 883 EVO Sportster®	kit
77-421	C9773		3 3/4" Bore; 91'-UP 883 EVO Sportster®	kit
77-422	C9774		3 3/4" Bore; 86'-87 1100 EVO Sportster®	kit
77-423	C9775		3 3/4" Bore; 88'-90 1200 EVO Sportster®	kit
77-424	C9776		3 3/4" Bore; 91'-03 1200 EVO Sportster®	kit
• **Rocker Box Rebuild Gasket Kit**				
77-430	C9764		86'-90 883, 1100, 1200 EVO Sportster®	kit
77-431	C9765		91'-03 883 , 1200 EVO Sportster®	kit
77-467	C9954		2004-UP 883, 1200 EVO Sportster®	kit

All Complete and Top End Gasket kits contain .040" MLS Head Gaskets unless noted and .020" Base Gaskets

STANDARD MOTOR KITS FOR SPORTSTER® AND BUELL®

• **Complete Engine and Top End Gasket Kits for Buell 1200cc Evo Sportster®**				
77-308	C9758F		Complete Engine Kit for 1200cc EVO Sportster® 91'-03	kit
77-309	C9071		Top End Kit for 1200cc EVO Sportster® 91'-03	kit
77-488	C9176		Complete Engine Kit for 1200xl 2007 & later	kit
77-489	C9177		Top End Kit for 1200xl 2007 & later	kit

(Kit contains all the necessary gaskets needed for a total engine rebuild or top end rebuild.
Head Gaskets are .043" & Base Gaskets are .020" thick)

• **Complete Gasket Kits for 883/1100/1200 Evo Sportster®**				
77-310	C9754F		1986-90 XL 883 EVO Sportster® 17026-86	kit
77-311	C9755F	17026-91	1991-03 XL 883 EVO Sportster®	kit
77-312	C9115F	17026-86A	1986-87 XL 1100 EVO Sportster®	kit
77-313	C9757F	17026-88	1988-90 XL 1200 EVO Sportster®	kit
77-308	C9070F	17026-91A	1991-03 XL 1200 EVO Sportster®	kit

(For all EVO Sportsers from 1986 to present. Kit contains all gaskets, oil seals and o-rings.
Head Gaskets are .043" & Base Gaskets are .020" thick)

• **Top End Gasket Kits for 883/1100/1200 Evo Sportster®**				
77-314	C9062	17030-86B	1986-90 XL 883 EVO Sportster®	kit
77-316	C9114	17030-86A	1986-87 XL 1100 EVO Sportster®	kit
77-317	C9068	17030-88A	1988-90 XL 1200 EVO Sportster®	kit
77-309	C9071	17032-91	1991-03 XL 1200 EVO Sportster®	kit

(Kit contains all of the necessary gaskets, seals and o-rings to rebuild the motor from the cylinder base up.
Head Gaskets are .043" & Base Gaskets are .020" thick)

STANDARD MOTOR KITS FOR SPORTSTER® AND BUELL®

• **Rocker Box Gasket Kits for 883/1100/1200 Evo Sportster®**				
77-318	C9063	17030-89	1986-90 XL 883, 1100, 1200 EVO Sportster®	kit
77-319	C9066	17030-91	1991-03 XL 883, 1200 EVO Sportster®	kit

Gasket kit description: Includes nitrile rubber components and vulcanized fiber stud washers.

• **Big Bore Evo 883/1100/1200 Sportster® Top End Gasket Kits**				
77-342	C9470		3 3/4" Bore 1986-90 883 EVO Sportster®	kit
77-343	C9471		3 3/4" Bore 1991-03 883 EVO Sportster®	kit
77-344	C9478		3 3/4" Bore 1986-87 1100 EVO Sportster®	kit
77-345	C9479		3 3/4" Bore 1988-90 1200 EVO Sportster®	kit
77-346	C9776		3 3/4" Bore 1991-03 1200 EVO Sportster®	kit

(Kit contains all of the necessary gaskets, seals and o-rings to rebuild the motor from the cylinder base up.
Head Gaskets are .043" & Base Gaskets are .020" thick)

1986-04 EVO SPORTSTER® INDIVIDUAL REPLACEMENT GASKETS,SEALS, O-RINGS

• **Rocker Cover Gaskets**				
78-443	C9400	6114	86' Rocker Cover Washer copper	10
78-444	C9286	63858-49	87'- 05 Rocker Cover Washer Gasket	10
78-652	C9014	17353-86A	87'-90 Lower Rocker Cover Gasket rubber	5
78-358	C9279	17353-86	86' Lower Rocker Cover cork	5
78-359	C9280	17353-89	91'-05 Lower Rocker Cover Gasket rubber	5
78-653	C9010	17354-86A	87'-90 Upper Rocker Cover Gasket rubber	5
78-360	C9275	17354-86	86' Upper Rocker Cover cork	5
78-361	C9276	17354-89	91'-03 Upper Rocker Cover Gasket rubber	5
78-366	C9283	17358-84A	86'-05 Center Rocker Cover Gasket rubber	10

BUELL® & EVO SPORTSTER®

IMPORT MW#	COMETIC MW#	COMTEIC REF#	OEM REF#	APPLICATION	QTY
	78-553	C9865	16800-84	86'-04 One piece rocker base gasket .020" rubber coaed steel	2
	78-551	C9561	16778-97X	86'-04 Lower Rckr Cover to Head / Right, .020" Rubber Coated Steel	5
	78-356	C9285	16778-84A	86'-04 Lower Rckr Cover to Head / Right Gasket	5
	78-552	C9563	16779-97X	86'-04 Lower Rckr Cover to Head / Left, .020" Rubber Coated Steel	5
	78-357	C9284	16779-84B	86'-04 Lower Rckr Cover to Head / Left Gasket	5
	78-401	C9481	26856-89	91'-03 Umbrella Valve Seal	10
2004 SPORTSTER® ROCKER BOXES ARE TWO PIECE AND DO NOT USE AN UPPER ROCKER RUBBER GASKET					
• Head and Base Gaskets					
	78-246	C9688		Stock Bore EVO's 3.570" .030", "MLS" Design	2
	78-247	C9689		Stock Bore EVO's 3.570" .040", "MLS" Design	2
	78-248	C9690		3 5/8" Big Bore EVO's .030", "MLS" Design	2
	78-249	C9691		3 5/8" Big Bore EVO's .040", "MLS" Design	2
	78-252	C9694		3 3/4" Big Bore EVO's .030", "MLS" Design	2
	78-253	C9695		3 3/4" Big Bore EVO's .040", "MLS" Design	2
	78-250	C9692		3 13/16" Big Bore EVO's .030", "MLS" Design	2
	78-251	C9693		3 13/16" Big Bore EVO's .040", "MLS" Design	2
95-754	**95-817**	C9287	26432-76A	86'-05 Cylinder to Head Dowel O-ring	10
	78-654	C9006	16664-86B	86'-05 883 Stock Bore Head Gasket, .043" CFM-20	2
	78-655	C9718	16665-86	86'-87 1100 Stock Bore Head Gasket , .043" CFM-20	2
	78-254	C9537	16770-84B	88'-05 1200 Stock Bore Head Gasket , .043" CFM-20	5
	78-656	C9553	16774-96	86'-05 Cylinder Base Gasket, .020" Rubber Coated Steel	2
	78-657	C9008	16774-86D	86'-05 Cylinder Base Gasket, .020" Fiber	2
	78-658	C9836		86'-99 Valve Guide Seal "VITON"	25
	95-744	C9023	18001-83A	86'-99 Valve Guide Seal "TEFLON"	25
• Pushrod and Tappet Block Gaskets and O-rings					
	78-659	C9955	17976	2004-UP Tappet block gasket	2
	95-858	C9956	11377	2004-UP Upper pushrod tube O-ring	25
95-241	**95-826**	C9459	11132	86'-90 Pushrod Tube O-ring Middle	25
95-713	**95-827**	C9293	11145	86'-90 Pushrod Tube O-ring Lower	25
95-716	**95-726**	C9292	11157	86'-90 Pushrod Tube O-ring Upper	25
95-706		C9448	11110	86'-90 Tappet Screw O-ring	10
95-718		C9443	11167	86'-90 Tappet Block O-ring Upper	10
95-719		C9444	11168	86'-90 Tappet Block O-ring Lower	10
	95-726	C9294	11190	91'-99 Pushrod Tube O-ring Upper, 2004 P/r tube lower	10
	95-740	C9295	17944-89	91'-99 Pushrod Tube O-ring Lower	10
	95-722	C9296	11176	91'-99 Tappet Pin Cover O-ring	10
• Intake and Exhaust Gaskets					
	95-758	C9290	26995-86A	84'-04 Intake manifold to Head/Seal	10
	95-759	C9088	27002-89	84'-04 Intake Seal to Carb	1
	78-538	C9719	65324-83	86'-04 Exhuast Port Gasket "RACE STYLE"	10
	78-445	C9288	65324-83A	93'-04 Exhaust Port Gasket "TAPERED STYLE"	10
• Cam Cover Gaskets					
95-709		C9355	11124-DL	86'-99 Points Cover Seal Double Lip	10
	78-422	C9306	32591-80	86'-99 Points Cover Gasket	10
	78-501	C9311	25263-86	86'-90 Cam Cover Gasket	1
	78-381		25263-86	86'-90 Cam Cover Gasket	5
	78-382	C9313F5	25263-90B	91'-03 Cam Cover Gasket	5
	78-582	C9944F5	25263-90D	2004-UP Cam Cover Gasket	5

BUELL® & EVO SPORTSTER®

IMPORT MW#	COMETIC MW#	COMTEIC REF#	OEM REF#	APPLICATION	QTY
• Primary Cover Gaskets, Seals					
95-712			11139	86'-90 Primary Filler Plug O-ring	10
	78-580	C9943F5	34955-04	2004-UP Primary Cover Gasket	5
	78-660	C9957	34986-04	2004 -UP Chain inspection cover gasket "Rubber"	5
95-703		C9958	11105	2004 -UP Primary drain plug O-ring	5
95-721		C9436	11171	86'-UP Primary Inspection Cover Screw O-ring	10
95-723		C9447	11179	88'-99 Clutch Cable O-ring	25
	95-724	C9434	11187	91'-93 Clutch Inspection Cover O-ring	10
	95-725	C9439	11188	91'-99 Inspection Cover O-ring	10
	95-859	C9958	25463-94	94'-04 Clutch Cover O-ring	5
95-761		C9363	31433-84A	91'-93 Sealing Washer	5
	78-423	C9401	34624-77	86'-90 Footpeg Stud Gasket	10
	78-434	C9310F5	34955-75	86'-90 Primary Cover Gasket, AFM60	5
	78-435	C9314F5	34955-89A	91'-99 Primary Cover Gasket, AFM60	5
	95-768	C9354	37101-84	86'-UP Shifter Shaft Seal	1
95-765		C9353	35151-74	86'-99 Motor Sprocket Shaft Seal	5
	95-819	C9632	12068	2004-UP Motor Sprocket Shaft Seal	5
	95-818	C9667	11289	2004-UP Crank position sensor O-ring	5
• Oil Pump and Related Gaskets,Seals, and O-rings					
	95-734	C9376	12036A	86'-90 Oil Pump Seal metal	5
	95-755	C9449	26433-77	86'-90 Oil Pump Check Valve O-ring	10
	95-725	C9439	26434-76A	86'-90 Oil Pump O-ring	10
	95-757	C9437	26434-91	91'-UP Oil Pump Cover O-ring	10
	78-399	C9399	26495-75	86'-90 Oil Pump Gasket	10
	78-400	C9315	26495-89B	91'-UP Oil Pump Gasket	10
	78-661	C9962		2004-UP Oil jet assembly gasket	6
• Starter and Transmission Gaskets,Seals, and O-rings					
	78-418	C9312	31488-81B	86'-UP Starter Gasket	10
	95-732	C9362	12030	91'-UP Main Drive Gear Seal	5
	95-735	C9356	12049-DL	86'-90 Transmission M/S Seal	5
95-736		C9359	12050	91'-94 Transmission M/S Seal	1
	95-791	C9262	12067A	95'-99 Main Drive Gear Seal	1

IRONHEAD SPORTSTER® KITS

MW#	COMETIC REF#	OEM REF#	APPLICATION	QTY
STANDARD MOTOR KITS FOR 900/1000 SPORTSTER®				
• Complete Gasket Kits for 900/1000 Sportster®				
77-320	C9045F	17026-71	1957-71 900 Sportster® XL, XLH, XLCH	kit
77-321	C9047F	17026-72	1972-E73 1000 Sportster® XLH, XLCH	kit
77-322	C9049F	17026-73L	1973-76 1000 Sportster® XLH, XLCH	kit
77-323	C9051F	17026-79	1977-85 1000 Sportster® XLH, XLCH, XLS Hi-Compression	kit
77-324	C9117F	17026-82	1982-85 1000 Sportster® XLH, XL, XLS Low Compression, .063" Head Gaskets	kit
(Kit contains .032" copper head gaskets and all of the necessary gaskets, seals and o-rings to rebuild t he motor. Base Gaskets are .031")				
• Top End Gasket Kits for 900/1000 Sportster®				
77-325	C9102	17030-57	1957-71 900 Sportster® XL, XLH, XLCH"	kit
77-326	C9103	17030-72	1972-E73 1000 Sportster® XLH, XLCH"	kit
77-327	C9104	17030-72AL	1973-76 1000 Sportster® XLH, XLCH"	kit
77-328	C9052	17030-72B	1977-85 1000 Sportster® XLH, XLCH, XLS Hi-Compression"	kit
77-329	C9116	17030-82	1982-85 1000 Sportster® XLH, XL, XLS" Low Compression, .063" Head Gaskets	kit
Kit contains all of the necessary gaskets, seals and o-rings to rebuild the motor from the cylinder base up. Head Gaskets are .032" copper except where noted and Base Gaskets are .031".				

IRONHEAD SPORTSTER® KITS

IMPORT MW#	COMETIC MW#	COMETIC REF#	OEM REF#	APPLICATION	QTY
1957-85 XL IRONHEAD SPORTSTER® INDIVIDUAL REPLACEMENT GASKETS,SEALS, O-RINGS					
• Rocker Cover Gaskets					
		C9400	6114	86' Rocker Cover Washer copper	10
• Rocker Cover Gaskets,Seals,and O-rings					
95-701		C9451	11101	57'-85 Rocker Arm Shaft O-ring	10
95-706		C9448	11110	83'-85 XR1000 Rocker Shaft O-ring	10
95-798		C9529	11115	83'-85 XR1000 Rocker Arm Shaft O-ring	10
	78-48	C9602	17536-70	57'-85 Rocker Cover Gasket	1
95-775		C9365	63529-57	57'-85 Rubber Sleeve, Oil Line	25
• Head and Base Gaskets					
78-63			16769-57	57'-71 900cc Head Gasket (2); .032 Copper	ea
	78-662	C9698	16769-72A	72'-E73 1000cc Head Gasket , .020" Copper	10
78-243		C9565	16769-73	L73'-85 1000cc Head Gasket , .032" Copper	10
	78-663	C9566	16769-82	L73'-85 1000cc Head Gasket , .043" Copper	10
	78-664	C9699	16774-57	57'-71 900cc Cylinder Base Gasket, .012" fiber	10
	78-665	C9603	16774-72	72'-85 1000cc Cylinder Base Gasket, .031" Fiber	10
• Pushrod and Tappet Block Gaskets, O-rings					
95-700			11100	57'-85 Tappet Guide O-ring (4)	10
	95-826	C9459	11132	79'-85 Pushrod Cover O-ring (4) middle	25
95-716	**95-726**	C9292	11157	84'-85 Pushrod Cover O-ring (4) upper	25
95-730		C9369	12023	83'-85 XR 1000 Pushrod Cover Seal	5
95-741		C9408	17955-36A	57'-E79 Pushrod Cover Seal / rubber	100
• Intake and Exhaust Gaskets					
95-760			27060-55	57'-78 Intake Manifold to Head O-ring (2)	10
	95-864	C9608	27062-78	79'-85 Intake Manifold to Head O-ring (2)	10
• Cam and Timer Compartment Gaskets					
95-703			11102	66'-69 XLH Timer Housing O-ring	25
95-709		C9355	11124DL	71'-85 Timer Compartment Seal / double lip	5
	78-420	C9325	32522-37	57'-64 XL, XLH Timer Base Gasket"	10
	78-527	C9316F5	25224-52A	57'-81 Cam cover Gasket	10
	78-380	C9332	25263-81	82'-85 Cam Cover Gasket	10
	78-421	C9323	32591-70	71'-78 Point Cover Gasket	10
	78-422	C9306	32591-80	80'-85 Ignition Cover Gasket	10
• Charging and Starting Gaskets					
95-707		C9433	11116	81'-85 Starter Housing O-ring	25
	78-666	C9701	31461-70	70'-E79 Starter hole cover plate Gasket	10
	78-416	C9324	31471-67A	67'-80 Starter Housing Gasket	10
	78-417	C9333	31488-77	67'-80 Starter Housing Mount Gasket	10
	78-418	C9312	31488-81	81'-85 Starter Motor Gasket	10
	78-149	C9702	60645-65	67'-80 Solenoid Gasket	10
95-730		C9369	12023	68'-69 XLCH Magneto Seal	5
	78-412	C9327	29550-55	58'-69 XLCH Magneto Cover Gasket	10
	95-762	C9374	29603-48	58'-E65 Magneto Seal	10
	78-415	C9321	30143-58	58'-E84 Generator Gasket	5
• Oil System Gaskets, O-rings and Seals					
95-703		11105		77'-85 Drain Plug O-ring (1)	10
95-369 ea		11105		77'-85 Drain Plug O-ring (1)	1
	95-734	C9376	12036A	77'-78 / 83'-85 Oil Pump Outer Plate Seal	5
	95-749	C9404	24978-57	57'-76 Oil Strainer Gasket	10
95-221 ea	**95-753**	C9349	26227-58	L58'-76 Oil Pump Oil Seal	5
	78-388	C9390	26256-52	57'-76 Oil Pump Gasket	10
	78-390	C9385	26258-52	57'-E62, 72'-76 Oil Pump Outer Cover Gasket	10
	78-391	C9389	26258-62	L62'-71 Oil Pump Outer Cover Gasket	10
	78-393	C9388	26259-52	57'-E62, 72'-76 Oil Pump Inner Cover Gasket	10
	78-394	C9386	26259-62	L62'-71 Oil Pump Inner Cover Gasket	10

IRONHEAD SPORTSTER® KITS

IMPORT MW#	COMETIC MW#	COMETIC REF#	OEM REF#	APPLICATION	QTY
95-754		C9287	26432-76A	77'-85 Oil Pump Body O-ring	10
	95-755	C9449	26433-77	77'-85 Check Valve Oil Pump O-ring	10
	95-756	C9445	26434-76A	77'-85 Oil Pump Cover O-ring	10
	78-399	C9399	26495-75	77'-85 Oil Pump Gasket	10
	78-444	C9286	63858-49	71'-85 Oil Level Screw Gasket	10
• Primary, Clutch, and Transmission Gaskets,Seals,and O-rings					
95-704			11106	71'-E78 Primary Filler Cap O-ring(1)	10
95-712		C9446	11139	L78'-85 Primary Filler Cap O-ring	10
	78-432	C9317F5	34952-52	XR750, 58'-69 XLCH Primary Cover Gasket AFM .060"	5
	78-667	C9318F5	34955-67	67'-76 XLH, 70'-76 XLCH Primary Cover Gasket AFM .060"	5
	78-433	C9703	34955-67A	67'-76 XLH, 70'-76 XLCH Primary Cover Gasket .031"	5
	78-440	C9326F	60567-36	58'-69 XLCH Inspection Cover Gasket AFM .060"	5
95-322 ea			11103	L57'-66 XLH, 57'-69 XLCH Clutch Gear O-ring	1
95-708		C9455	11119	67'-70 XLH, 70' XLCH Clutch Gear O-ring	10
	95-769	C9364	37339-53	57'-70 Release Rod Oil Seal	10
95-770		C9368	37531-56B	57'-66 XLH, 57'-69 XLCH Clutch Gear Seal	5
	95-771	C9371	37740-57	L57'-66 XLH, 57'-69 XLCH Clutch Shell Seal	5
95-782		C9513	37741-67	67'-70 XLH, 70' XLCH Clutch Shell Seal "	5
	78-436	C9319	37762-52	57'-70 Clutch Cover Gasket	10
	95-762	C9374	33076-37	57'-79 Kicker Shaft Seal	10
95-763		C9370	34035-52	57'-85 Shifter Shaft Seal	5
	78-423	C9401	34624-77	77'-85 Left Footrest Stud Boss Gasket	10
	95-735	C9356	12049DL	L84'-85 Transmission Mainshaft Seal	5
95-764		C9366	35151-52A	57'-E84 Trans Mainshaft Seal, 57'-E74 Sprocket Shaft	5
95-765		C9353	35151-74	L84'-85 Trans Mainshaft Seal, L74'-85 Motor Sprocket Shaft	5

COPPER BASE GASKETS

MW#	COMETIC REF#	APPLICATION
COPPER BASE GASKETS (GASKETS ARE SOLD INDIVIDUALLY)		
78-467	C9032	883 - 1200, Engine Builders Set (2 Each .005, .010, .016, .020)
78-468	C9030	883 - 1200, 1986-98, .005"
78-469	C9024	883 - 1200, 1986-98, .010"
78-470	C9028	883 - 1200, 1986-98, .016"
78-471	C9025	883 - 1200, 1986-98, .020"
78-472	C9033	1340, Engine Builders Set (2 Each .005, .010, .016, .020)
78-473	C9031	1340, 1984-98, .005"
78-474	C9026	1340, 1984-98, .010"
78-475	C9029	1340, 1984-98, .016"
78-476	C9027	1340, 1984-98, .020"
78-477	C9600	3 5/8", Engine Builders Set (2 Each .005, .010, .016, .020)
78-478	C9605	3 5/8", .005"
78-479	C9610	3 5/8", .010"
78-480	C9616	3 5/8", .016"
78-481	C9620	3 5/8", .020"
78-482	C9700	3 13/16", Engine Builders Set (2 Each .005, .010, .016, .020)
78-483	C9705	3 13/16", .005"
78-484	C9710	3 13/16", .010"
78-485	C9716	3 13/16", .016"
78-486	C9720	3 13/16", .020"

TRANSMISSION GASKETS

MW#	COMETIC REF#	OEM REF#	APPLICATION	QTY
•Complete Transmission Kits				
77-349	C9464	33031-70	E70'-E 79 Big Twin	kit
77-350	C9465	33031-80	L79'-82 Big Twin 4 Speed	kit
77-351	C9466	33031-82	80'-E84 Big Twin 5 Speed	kit
77-352	C9467	33031-85	L84'-92 Big Twin Except Dyna® 5 Speeds	kit
77-353	C9468	33031-91	91'-99 Dyna® & FXDB-S Evolution Models	kit
77-354	C9469	33031-93	93'-99 FLT,FLH, FXR, Dyna® & Softails® Evolution Models	kit
77-400	C9639	26072-99	99'-UP FLT, FLH, Softail® 00-UP, Twin Cam® Models	kit
77-399	C9640	26072-99	99'-UP Dyna® Twin Cam® Models	kit
(Kit contains all of the necessary gaskets, seals, o-rings, end cover, top cover gaskets and all washers needed to completely rebuild the transmission)				
• Transmission Gaskets				
78-458	C9490	26072-90	90'-98 Oil Pan Gasket Dyna®	10
78-459	C9265	26077-93	93'-98 Oil Pan Gasket FLT	5
78-448	C9517	33196-79	L79'-86 Shifter Cover Gasket	10
78-46	C9515	33295-36	36'-86 End Cover Gasket	10
78-464	C9520	34552-52	52'-E79 Ratchet Cover Gasket	10
78-465	C9521	34565-52	52'-E79 Shifter Adapter Plate Gasket	10
78-466	C9522	34824-36	36'-E79 Top Cover Gasket	10
78-463	C9516	34824-79	L79'-86 Top Cover Gasket	10
78-453	C9499	34904-79	80'-86 Top Cover Gasket	10
	C9983	34904-86B	87'-99 Top Cover Gasket "Thin Version"	10
78-456	C9488	34917-90A	90'-98 Top Cover Gasket Dyna®	10
78-452	C9264	35652-79A	80'-98 Bearing Housing Gasket	10
78-454	C9526	36801-79	80'-86 End Cover Gasket	10
78-455	C9483	36801-87B	87'-UP Trans End Cover Gasket All Models	10
78-457	C9489	62423-90	91'-98 Dyna® Oil Filler Spout Gasket	10
78-460	C9266	62432-93	93'-99 FLT Oil Filler Spout Gasket	10
78-447	C9512	67141-36	36'-83 Speedometer Drive Gasket	10
	C9642	11290	Twin Cam® Neutral Ind. Switch O-ring All Models 1999 -UP	10
	C9644	35653-98	T/C Bearing Housing Gasket All Models 1999 -UP	10
78-455	C9483	36801-87B	T/C Trans End Cvr Gasket All Models 1998 -UP	10
78-461	C9267	34904-86XC	T/C Trans Cover Gasket All Models 1999 -UP "Wide Version"	10
78-460	C9266	62432-93	T/C Oil Tank Filler Spout Gasket FLT's 1999-UP	10
	C9247	26077-99	T/C Oil Pan Gasket FLT's 1999-UP	10
	C9645	34917-99	T/C DYNA® Trans. Top Cover Gasket 1999-UP	10
	C9646	26072-99	T/C DYNA® Oil Pan Gasket 1999-UP	10

MISCELLANEOUS GASKETS AND O-RINGS FOR VARIOUS H-D® APPLICATIONS

MW#	OEM REF#	APPLICATION	QTY
95-733	12036	Oil pump oil seal for 1977 thru 1982 XL, XLCH, XLCR & XLS	5
78-355	16777-83A	1340 Fiber base gasket .020" for 1984 & later 1340 Evolution® motors	10
78-371	18198-38	Valve guide washers for 1938 thru 1973 W, WL, G & GE	10
95-746	18257-39	Lower cover cork washer for 1939 thru 1948 Flathead 74" & 80"	10
95-747	18630-26	Spring cover washers for 1939 thru 1948 Flathead 74" & 80"	10
78-372	18631-30	Tappet block gasket for 1930 thru 1973 all Flathead	10
78-375	24921-37	Oil pump relief pipe gasket for 1930 thru 1973 Flathead	10
95-748	24931-39	Front chain inner cover seal for 1939 thru 1958 FL & FLH	10
95-750	24990-52	Panhead check valve seal for 1952 thru 1965 FL & FLH	20
95-752	25811-11	Generator gear stud washer for 1932 thru 1973 W, WL, G & GE	20
78-386	26246-37	Oil pump bottom cover gasket for 1937 thru 1973 W, WL, WLA, G & GE	10
78-406	27410-39	Intake manifold gasket for 1939 thru 1957 W, WL, G, U, UL & EL	10
78-407	27410-57	Intake manifold gasket for 1957 thru 1965 XL, XLH & XLCH	10
78-413	30138-30	Generator end cover gasket for 1932 thru 1957 W, G, EL, UL & ULH	10
78-449	35607-73	Speedometer hole cover gasket for 1973 thru 1979 FX & FXE	10
95-774	63525-92	Oil line seal for 1992 & later all 1340	10

NOTE: COMETIC REF# AND OEM REF# FOR REFERENCE PURPOSES ONLY

ATHENA GASKETS

EVOLUTION SPORTSTER®

MW#	ATHENA REF#	PKG. QTY	APPLICATION
STANDARD KITS			
TOP END SETS			
77-592	P400 195 600 751	1	Kit XLH 1100, 86'-87'

A



B



A. *"THE" OIL FIX KIT* BY HAYDEN

"THE" Oil Fix is a simple device that fixes problem leaks associated with the base gaskets on Big Twins. The included Control Jets control the oil coming from the head through the barrel and into the case. Hayden's never had one bike leak! So, get "THE" Oil Fix and eliminate that leak between your barrel and crankcase.

78-240 "THE" Oil Fix Kit. SOLD EACH

B. *STAINLESS STEEL EMBOSSED RUBBER COATED BASE GASKETS FOR EVOLUTION®*

78-487 For 883cc thru 1200cc Evolution®, .010". SOLD AS PAIR
78-488 For 1340cc Evolution®, .010".
78-489 For 3-5/8" Big Bore Evolution®, .010".

DRIVE



DRIVE TRAIN PARTS: TRANSMISSION, SHIFTER, KICKSTARTER, CLUTCH, DRIVE CHAIN, CHAIN ADJUSTER, SPROCKETS, BELT DRIVES, CHAIN COVERS, CHAIN GUARDS, BELT GUARDS, & ALL THE RELATED PARTS

ULTIMA® 6-SPEED RIGHT SIDE DRIVE TRANSMISSIONS



201-33



201-31

Ultima's Direct Drive RSD transmission offers you quality and value found only in Ultima products. This transmission will handle any of the high horsepower engines we've created and are offered in our drive train packages. These transmission are available in both cable type operated clutch and hydraulic operated clutch styles and both are delivered with a 12 month, 12,000 mile warranty. *Instructions included and available online @ www.ultimaproducts.com.

201-31	Cast Finish Cable	**201-34**	Cast Finish Hydraulic
201-32	Black Finish Cable	**201-35**	Black Finish Hydraulic
201-33	Polished Finish Cable	**201-36**	Polished Finish Hydraulic

12 MONTH/12,000 MILE LIMITED WARRANTY FROM DATE OF MIDWEST INVOICE TO THE DEALER.

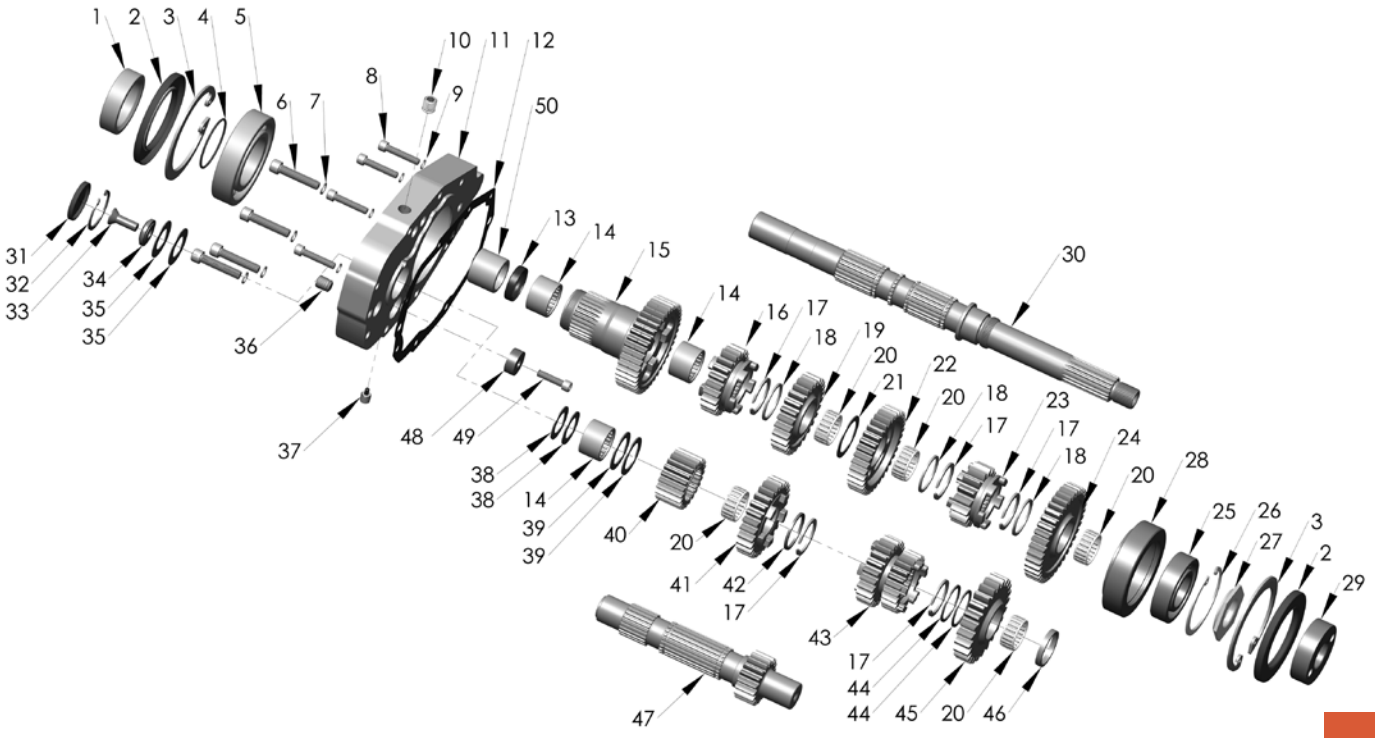
NOTE1: ORDER CLUTCH PUSHROD MW#96-442 (11.375") OR 96-538 (10.8125").

NOTE2: HYDRAULIC TRANSMISSIONS REQUIRE 3/8-24 BANJO BOLT WITH 10mm BANJO FITTINGS AND WASHERS.

FEATURES INCLUDE:

- GEARS AND SHAFT MADE FROM 8620 STEEL FOR DURABILITY
- PRO-CUT LEAD IN RAMPS FOR POSITIVE SHIFTING
- HARDENED STEEL SHIFT FORKS FOR DURABILITY
- ROLLER DETENT FOR ULTRA SMOOTH SHIFTING
- BILLET TRAP DOOR
- PERMANENT MOLD TRANSMISSION CASE MACHINED FROM A356-T6
- CLOSE RATIO 2.94 LOW GEAR SET
- .86 OVERDRIVE 6TH GEAR
- DESIGNED TO USE OEM STYLE SPEEDOMETER SENSORS
- ASSEMBLED BY PROFESSIONALS.
- 32 TOOTH PULLEY INCLUDED.

ULTIMA® 6-SPEED RSD TRANSMISSION - GEAR TRAIN



7

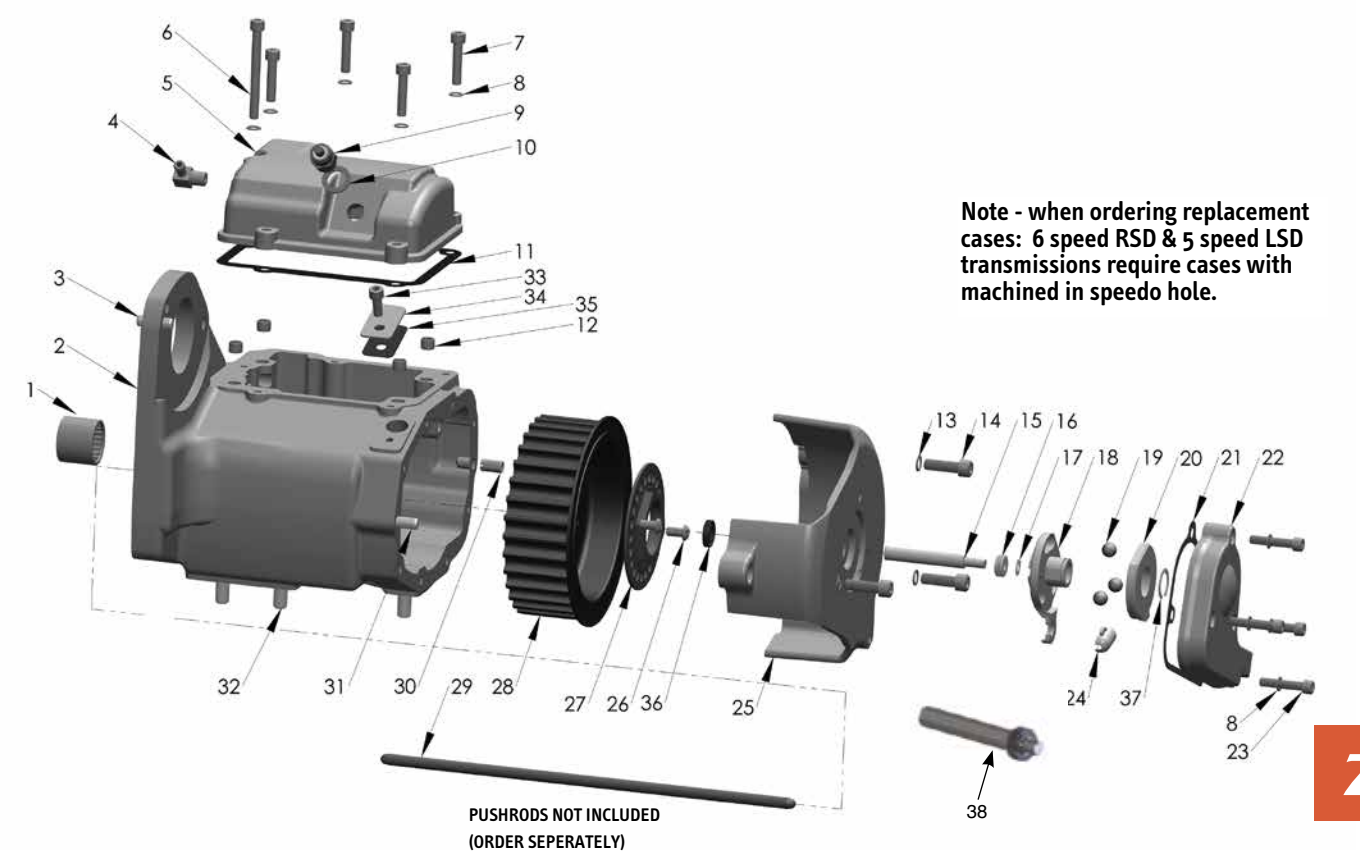
Item Number	Part Number	Description	Quantity
1	**96-826**	Steel Insert	1
2	**95-791**	Transmission Seal	2
3	**95-433**	Retaining Ring	2
4	**95-717**	O-ring/quad-seal	1
5	**95-432**	Bearing	1
6	**96-948**	Bolt, SHCS 5/16-18 x 1-1/2"	4
7	**96-949**	Washer	4
8	**96-946**	Bolt, SHCS 1/4-20 x 1-1/4"	4
9	**96-947**	Washer	4
10	**96-724**	Set Screw, chrome-plated	1
11	**96-729**	Trap Door, RSD 6-Speed	1
12	**78-452**	Gasket, Trap Door, pkg of 10	1
	78-452A	Gasket, Trap Door, sold each	1
13	**95-793**	Seal	1
14	**96-609**	Needle Bearing	3
15	**96-732**	Fifth Gear, Main Shaft	1
16	**96-733**	Second Gear, Main Shaft	1
17	**96-621**	Retaining Ring (OEM 11067)	5
18	**96-659**	Thrust Washer	3
19	**96-734**	Third Gear, Main Shaft	1
20	**96-608**	Needle Bearing	5
21	**96-735**	Thrust Washer	1
22	**96-736**	Fourth Gear, Main Shaft	1
23	**96-737**	First Gear, Main Shaft	1
24	**96-738**	Sixth Gear, Main Shaft	1
25	**96-739**	Bearing	1

Item Number	Part Number	Description	Quantity
26	**96-740**	Retaining Ring	1
27	**96-741**	Main Shaft Nut	1
28	**96-742**	Mainshaft Insert for Bearing 6206	1
29	**96-743**	Insert	1
30	**96-744**	Main Shaft, Transmission	1
31	**96-746**	Dust Cover	1
32	**96-747**	Retaining Ring	1
33	**96-748**	Screw	1
34	**96-749**	Spacer	1
35	**96-778**	Washer	2
36	**96-829**	Set Screw, chrome-plated	1
37	**41-167**	Drain Plug, Magnetic	1
38	**96-830**	Thrust Washer	2
39	**96-835**	Thrust Washer	2
40	**96-836**	Fifth Gear, Counter Shaft	1
41	**96-837**	Second Gear, Counter Shaft	1
42	**96-659**	Thrust Washer	1
43	**96-854**	Third & Fourth Gear, Counter Shaft	1
44	**96-856**	Thrust Washer	2
45	**96-857**	First Gear, Counter Shaft	1
46	**96-858**	Spacer	1
47	**96-859**	Counter Shaft & Sixth Gear	1
48	**96-863**	Magnet, Ring-shape	1
49	**96-872**	Screw, Support Magnet	1
50	**95-451**	Inner Bushing for Bearing 652205	1

ULTIMA® 6-SPEED RSD TRANSMISSION - COVERS

Item Number	Part Number	Description	Quantity
1	**95-434**	Bearing, Left Side Counter Shaft (OEM 8977)	1
2	**298-106**	Transmission Case w/speedo hole -Casting	1
	298-105	Transmission Case w/speedo hole -Black	1
	298-113	Transmission Case w/speedo hole -Polish	1
3	**96-775**	Pin, Alignment (OEM 337)	1
4	**21-304**	Vent Fitting, Chrome (OEM 62375-57)	1
5	**96-563**	Top Cover, Transmission (OEM 34468-86A)	1
6	**96-780**	Bolt, SHCS 1/4-20 x 2-1/2" (OEM 4717A)	1
7	**96-781**	Bolt, SHCS 1/4-20 x 1" (OEM 4741A)	4
8	**96-952**	Washer (0.410" OD., 0.250" ID.)	9
9	**17-72**	Neutral Light Switch, Single Post (OEM 33900-59)	1
	17-701	Neutral Light Switch, Dual Post, Silver (OEM 33902-98)	
	17-702	Neutral Light Switch, Dual Post, Black (OEM 33904-00)	
	17-703	Neutral Light Switch, Single Post (OEM 33901-79)	
10	**96-754**	Washer (OEM 33043-80)	1
11	**78-461**	Gasket, Top Cover (34904-86), pkg of 10	1
	78-461A	Gasket, Top Cover (34904-86), sold each	1
12	**96-750**	Split Pin (OEM 609)	4
13	**96-949**	Washer (0.480" OD., 0.320" ID.)	3
14	**40-210**	Bolt, SHCS 5/16-18 x 1"	3
15	**98-940**	PushRod, Clutch Release, Right (6 speed RSD trans only)	1
16	**96-451**	Throw-Out Bearing Assembly (OEM 37312-75, 37313-80)	1
17	**96-452**	Retaining Ring (OEM 11096)	1
18	**96-893**	Inner Ramp, Clutch Release	1
19	**96-783**	Steel Balls, Clutch Release	3
20	**96-785**	Outer Ramp, Clutch Release	1
21	**96-894**	Gasket, Clutch Release Cover	1
22	**96-905**	Cover, Clutch Release	1
23	**96-946**	Bolt, SHCS 1/4-20 x 1-1/4	4
24	**96-788**	Coupling, Clutch Release	1
25	**96-907**	Pulley Cover	1
26	**98-925**	Screw, Button Head, 1/4-20 x 5/8" (OEM 3594)	2
27,26	**94-381**	Nut Kit includes nut, lock and two bolts (OEM 35211-91, 40251-91, 3594)	1
28, 27, 26	**94-378**	Pulley, 32T includes nut lock combo and two bolts	1
29		PushRod, Clutch Release, Center (see pushrods for sizes)(not included)	1
30	**96-777**	Pin, Alignment (OEM 634)	1
31	**96-776**	Pin, Alignment (OEM 375)	1
32	**96-773**	Stud, Transmission Case (OEM 11733)	5
33	**98-929**	Bolt, SHCS 1/4-20 x 7/8"	1
34	**98-930**	Cover Plate, Speedo Hole	1
35	**98-931**	Gasket, Cover Plate	1
36	**96-909**	oil seal for pulley cover	1
37	**96-924**	Retaining Ring for end cover	1
38	**96-669**	Throwout rod/bearing assembly (RSD trans only)	1

ULTIMA® 6-SPEED RSD TRANSMISSION - COVERS



Note - when ordering replacement cases: 6 speed RSD & 5 speed LSD transmissions require cases with machined in speedo hole.

ULTIMA® RSD HYDRAULIC CLUTCH COVER ASSEMBLY

Replacement cover for use on all Ultima right side drive transmissions and most aftermarket right side drive transmissions. Includes 3 mounting bolts.

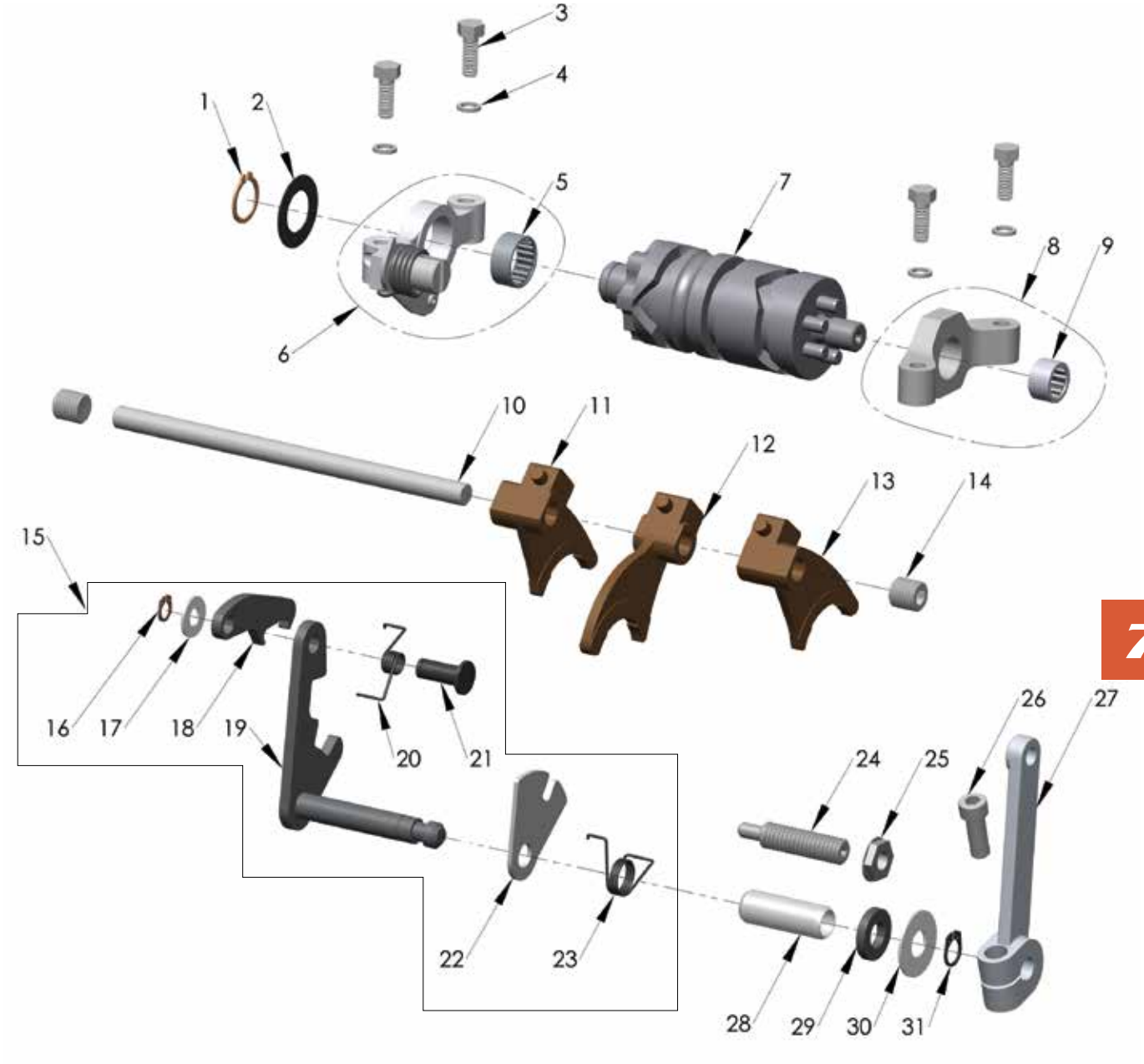
96-960 RSD Hydraulic clutch cover assembly



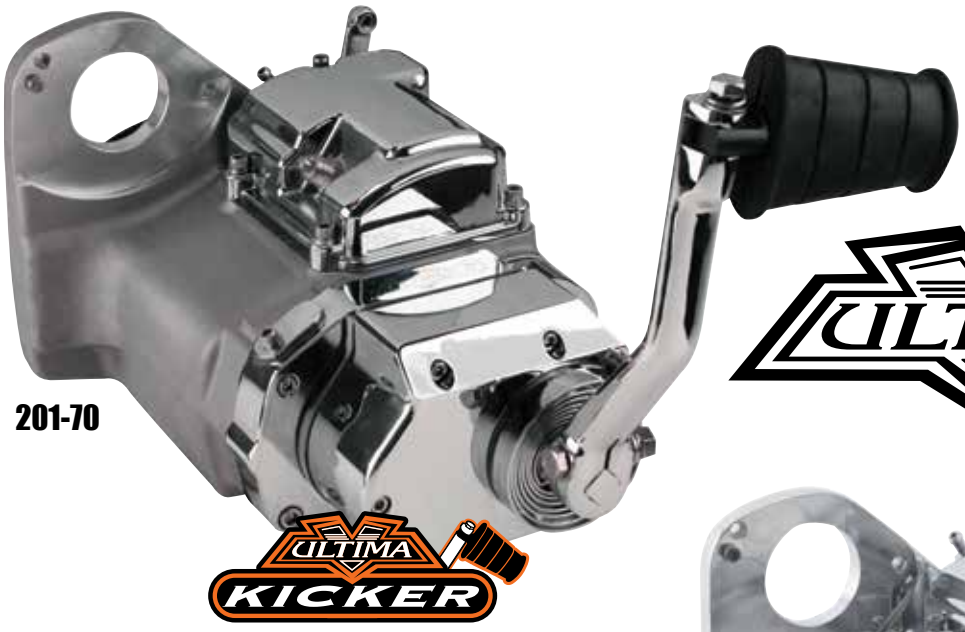
ULTIMA® 6-SPEED RSD TRANSMISSION - SHIFT MECHANISM

Item Number	Part Number	Description	Quantity
1	**96-759**	Retaining Ring, Shift Drum (OEM 11083)	1
2	**96-761**	0.017" Thick Thrust Washer (OEM 33205-80)	1
	96-762	0.020" Thick Thrust Washer (OEM 33206-80)	
	96-763	0.022" Thick Thrust Washer (OEM 33207-80)	
	96-764	0.025" Thick Thrust Washer (OEM 33208-80)	
	96-765	0.028" Thick Thrust Washer (OEM 33209-80)	
	96-766	0.031" Thick Thrust Washer (OEM 33210-80)	
	96-767	0.035" Thick Thrust Washer (OEM 33211-80)	
	96-768	0.039" Thick Thrust Washer (OEM 33212-80)	
3	**96-791**	Bolt, Hex head, 1/4-20 x 1-1/4" (OEM 3993)	4
4	**96-758**	Washer, Pillow Blocks (OEM 6736)	4
5	**96-705**	Shifter Drum Bearing, Right	1
6, 5	**96-708**	Pillow Block Assembly	1
7	**96-723**	Shift Cam/ Shift Drum	1
8, 9	**96-696**	Support with Bearing	1
9	**95-600**	Shifter Drum Bearing, Left	1
10	**96-638**	Shaft, Shift Fork	1
11	**96-961**	Shift Fork, Second Gear, Main Shaft	1
12	**96-962**	Shift Fork, Third & Fourth Gear, Counter Shaft	1
13	**96-887**	Shift Fork, First Gear, Main Shaft	1
14	**96-790**	Set Screw, 1/2-20, black oxided	1
	98-927	Set Screw, 1/2-20, Chrome plated	1
15	**96-674**	Lever Assembly, Shift Pawl	1
16	**96-774**	Retaining Ring (OEM 11016)	1
17	**96-751**	Washer (OEM 6016)	1
18	**96-704**	Shift Pawl (OEM 34086-79)	1
19	**96-630**	Shifter Shaft/Lever (OEM 34084-86)	1
20	**96-769**	Spring (OEM 34083-79)	1
21	**96-702**	Pin (OEM 34082-79)	1
22	**96-703**	Plate, Adjustment (OEM 35068-79)	1
23	**96-770**	Spring (OEM 34087-79A)	1
24	**96-680**	Adjustment Screw (OEM 33119-79B)	1
25	**96-681**	Jam Nut, Adjuster (OEM 7515)	1
26	**96-941**	Bolt, SHCS 5/16-24 x 1"	1
27	**96-652**	Chrome Shift Rod Lever (OEM 33715-85)	1
28	**96-755**	Bushing, Shift Shaft (OEM 33114-79)	1
29	**95-787**	Seal, Shifter Shaft (OEM 12045)	1
30	**96-757**	Washer, Inner Shift Lever (OEM 6497HW)	1
31	**96-760**	Retaining Ring, Inner Shift Lever (OEM 11150)	1

ULTIMA® 6-SPEED RSD TRANSMISSION - SHIFT MECHANISM



ULTIMA® 6-SPEED TRANSMISSIONS



201-70



LEAK-FREE STUDS



201-59

Ultima's® 6-SPEED Transmissions (offered with or w/o kicker) are the ultimate upgrade for bikes with 100+ horsepower engines. Designed to compliment our El Bruto® series engines, or any high horsepower unit you've created. They are packed with new features that meet or exceed standards expected of much higher priced transmissions and are delivered with a 12 month/12,000 mile limited warranty. *Instructions included and available online @ www.ultimaproducts.com.

FEATURES INCLUDE:

- ★ **Gears and shafts made from hardened 8620 steel giving you years of service with big inch engines.**
- ★ **Pro-cut lead-in ramps for positive shifting.**
- ★ **Hardened steel shift forks for durability and longevity.**
- ★ **Roller detent gives you smooth, positive shifting action.**
- ★ **Billet trap door.**
- ★ **Reinforced transmission case machined from permanent mold A356-T6 aluminum.**
- ★ **Close ratio 2.94 low gear set.**
- ★ **Assembled by professionals and bench tested.**
- ★ **Blind stud holes (no leaks).**
- ★ **Improved spring material composition.**
- ★ **Cable operated clutch release.**
- ★ **Designed to use OEM style speedometer sensors.**
- ★ **32 tooth pulley included.**

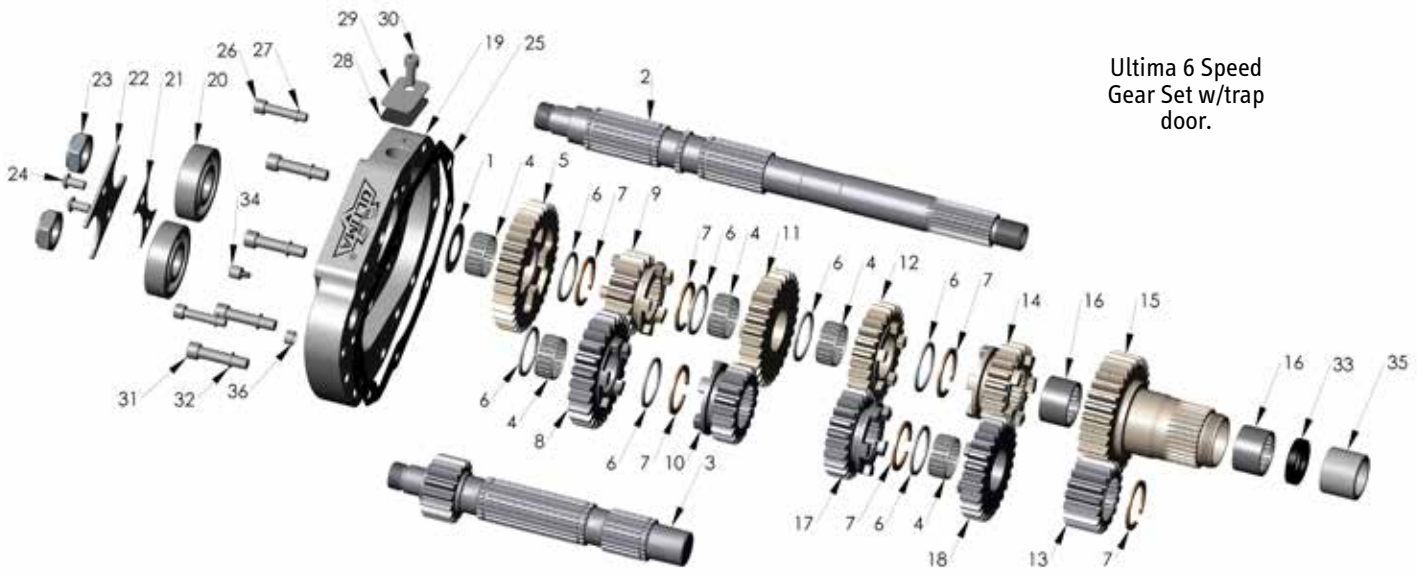
Fits Softail® models 91-99' and custom applications.

W/O KICKER		WITH KICKER	
201-57	Cast	**201-70**	Cast
201-58	Black	**201-71**	Black
201-59	Polished	**201-72**	Polished

NOTE: ORDER CLUTCH PUSHROD **MW#96-442 (11.375")** **or #96-538 (10.8125")**.

- Gear Ratios are:
  1. 2.94: 1
  2. 2.21: 1
  3. 1.57: 1
  4. 1.23: 1
  5. 1: 1
  6. .86: 1

ULTIMA® 6-SPEED TRANSMISSIONS- GEAR TRAIN



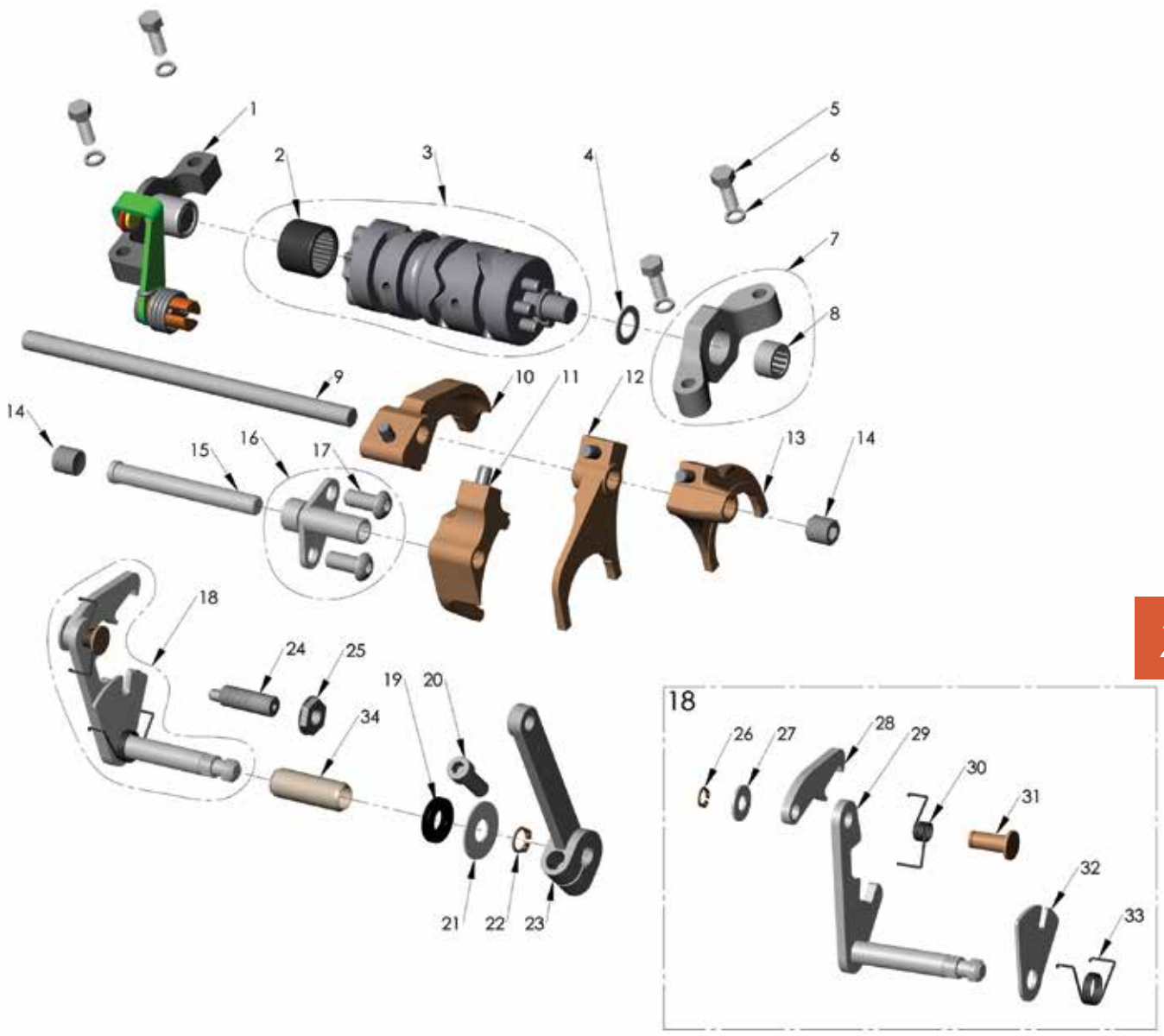
Ultima 6 Speed Gear Set w/trap door.

Item Number	Part Number	Description	Quantity
1	**98-941**	Thrust Washer	1
2	**98-919**	Main Shaft, Transmission	1
3	**98-911**	Counter Shaft Unit and Sixth Gear, 16 teeth	1
4	**96-608**	Roller Bearing (OEM 8876A)	5
5	**98-913**	Sixth Gear, 35 teeth, Main Shaft	1
6	**96-659**	Thrust Washer, Main Shaft and Counter Shaft (OEM 6003)	7
7	**96-621**	Retaining Ring, Main Shaft and Counter Shaft (OEM 11067)	6
8	**98-909**	First Gear, 25 teeth, Counter Shaft	1
9	**98-918**	First Gear, 16 teeth, Main Shaft	1
10	**96-942**	Fourth Gear, 19 teeth, Counter Shaft	1
11	**96-943**	Fourth Gear, 29 teeth, Main Shaft	1
12	**96-944**	Third Gear, Main Shaft, 27 teeth	1
13	**98-906**	Fifth Gear, 17 teeth, Counter Shaft (OEM 35626-79A)	1
14	**96-945**	Second Gear, Main Shaft, 23 teeth	1
15	**98-914**	Main Drive/Fifth Gear, 32 teeth, Main Shaft (OEM 35029-91), includes # 16, 33	1
16	**96-609**	Bearing (OEM 35051-89)	2
17	**98-908**	Third Gear, Counter Shaft, 23 teeth	1
18	**98-910**	Second Gear, Counter Shaft, 27 teeth	1
19	**98-920**	Trap Door, Six Speed	1
20	**98-921**	Bearing, Trap Door	2
21	**98-928**	Spacer	1
22	**98-922**	Retainer Plate	1
23	**96-683**	Locknut, Main Shaft and Counter Shaft	2
24	**98-925**	Button Head Screw, Bearing Retainer	2
25	**78-452**	Gasket, Trap Door (OEM 35652-79), pkg of 10	1
	78-452A	Gasket, Trap Door (OEM 35652-79), sold each	1
26	**96-946**	Bolt, SHCS 1/4-20 x 1-1/4"	2
27	**96-947**	Washer (0.355" OD., 0.250" ID.)	2
28	**98-931**	Gasket, Speedo Hole Cover Plate	1
29	**98-930**	Cover Plate, Speedo Hole	1
30	**98-929**	Screw, SHCS 1/4-20 x 7/16"	1
31	**96-948**	Bolt, SHCS 5/16-18 x 1-1/2"	4
32	**96-949**	Washer (0.475" OD., 0.3125" ID.)	4
33	**95-793**	Oil Seal, Gear End (OEM 12035A)	1
34	**41-167**	Drain Plug, Magnetic (OEM 739A)	1
35	**95-451**	Inner Race (OEM 34091-85)	1
36	**96-750**	Slip pin	1

ULTIMA® 6-SPEED TRANSMISSIONS- SHIFT MECHANISM

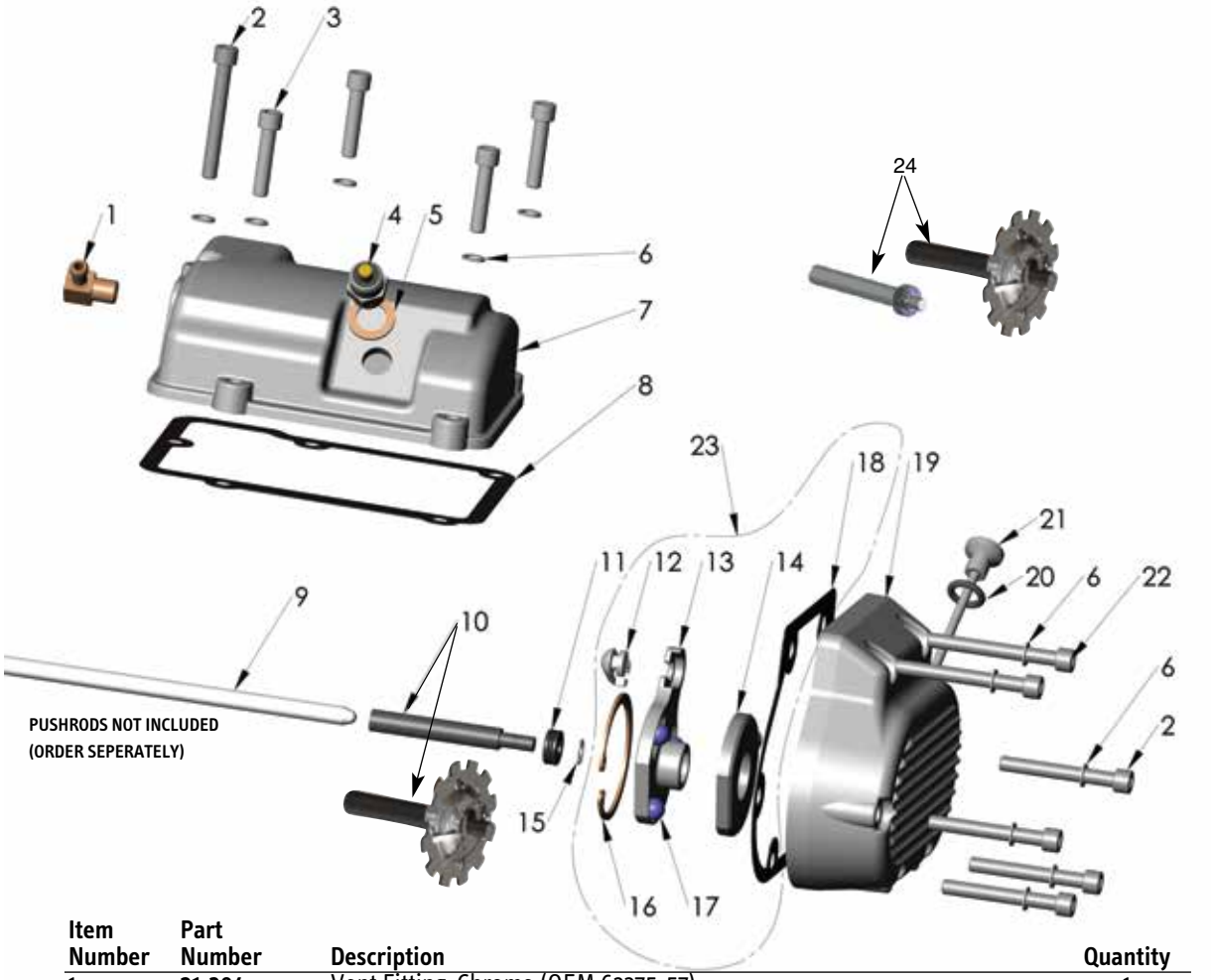
Item Number	Part Number	Description	Quantity
1	**98-934**	Pillow Block, Detent Assembly	1
	96-888	Pillow Block Assembly, includes #7	1
2	**95-372**	Shifter Cam Bearing (OEM 36961-52)	1
3	**98-936**	Shift Cam, Late Model, includes # 2	1
4	**98-938**	Thrust Washer, Shift Drum, 0.040"	1
	98-939	Thrust Washer, Shift Drum, 0.008"	
5	**96-791**	Bolt, Pillow Blocks, 1/4-20 x 1-1/4" (OEM 3993)	4
6	**96-758**	Washer, Pillow Blocks (OEM 6736)	4
7	**96-696**	Pillow Block (OEM 33326-79A), includes # 8	1
8	**95-600**	Shifter Cam Bearing, Left (OEM 9115)	1
9	**96-638**	Shaft, Shift Fork (OEM 34088-87)	1
10	**96-899**	Bronze Heavy Duty Replacement Shift Fork, Gear 1, Main Shaft	1
11	**96-898**	Bronze Heavy Duty Replacement Shift Fork, Gear 4, Counter Shaft	1
12	**96-699**	Steel Shift Fork, Gear 3, Counter Shaft (OEM 34191-79D)	1
13	**96-700**	Steel Shift Fork, Gear 2, Main Shaft (OEM 34193-79D)	1
14	**96-790**	Set Screw 1/2-20 x1/2 (OEM 3784), (black anodized)	1
	96-940	Set Screw 1/2-20 x1/2 (OEM 3784),(chrome-plating)	1
15	**98-937**	Shaft, Shift Fork, Gear 4	1
16	**98-923**	Guide, Shift Fork Shaft, includes # 17	1
17	**98-924**	Bolts, Button Head, M8x1.25 x 20mm	2
18	**96-674**	Lever Assembly, Shifter Pawl	1
19	**95-787**	Seal, Shifter Shaft (OEM 12045)	1
20	**96-941**	Bolt, Shift Lever 5/16-24 x1" (OEM 856A)	1
21	**96-757**	Washer, Inner Shift Lever (OEM 6497HW)	1
22	**96-760**	Retaining Ring, Inner Shift Lever (OEM 11150)	1
23	**96-652**	Chrome Shift Rod Lever (OEM 33715-85)	1
24	**96-680**	Adjusting Screw (OEM 33119-79B)	1
25	**96-681**	Jam Nut, Adjuster (OEM 7515)	1
26	**96-774**	Retaining Ring (OEM 11016)	1
27	**96-751**	Washer (OEM 6016)	1
28	**96-704**	Shift Pawl (OEM 34086-79)	1
29	**96-630**	Shifter Shaft Lever (OEM 34084-86)	1
30	**96-769**	Spring (OEM 34083-79)	1
31	**96-702**	Pin (OEM 34082-79)	1
32	**96-703**	Plate (OEM 35068-79)	1
33	**96-770**	Spring (OEM 34087-79A)	1
34	**96-755**	Bushing, Shift Shaft (OEM 33114-79) See Transmission Case page	1

ULTIMA® 6-SPEED TRANSMISSIONS- SHIFT MECHANISM



7

ULTIMA® 5 & 6-SPEED TRANSMISSIONS- TOP & SIDE COVERS



Item Number	Part Number	Description	Quantity
1	**21-304**	Vent Fitting, Chrome (OEM 62375-57)	1
2	**96-955**	Bolt, SHCS 1/4-20 x 2-1/2"	1
3	**96-951**	Bolt, SHCS 1/4-20 x 1" (OEM 4741A)	4
4	**17-72**	Neutral Light Switch ,Single Post(OEM 33900-59)	1
	17-701	Neutral Light Switch ,Dual Post, Silver(OEM 33902-98)	
	17-702	Neutral Light Switch ,Dual Post, Black(OEM 33904-00)	
	17-703	Neutral Light Switch, Single Post (OEM 33901-79)	
5	**96-754**	Washer (OEM 33043-80)	1
6	**96-952**	Washer (0.410" OD., 0.250" ID.)	11
7	**96-563**	Top Cover, Transmission (OEM 34468-86A)	1
8	**78-461**	Gasket, Top Cover (34904-86), PKG OF 10	1
	78-461A	Gasket, Top Cover (34904-86), SOLD EACH	1
9	**96-538**	Rod, Clutch Release, Center. See Pushrods for sizes (not included)	1
10	**96-654**	Rod, Clutch Release, Right, (6 speed LSD trans only)	
	96-646	Rod, Clutch Release, Right, (5 speed LSD trans only) (OEM 37069-90)	1
11	**96-451**	Throw-Out Bearing Assembly (OEM 37312-75, 37313-80)	1
12	**96-788**	Coupling (OEM 34920-86)	1
13	**96-784**	Inner Ramp (OEM 25452-87A)	1
14	**96-785**	Outer Ramp (OEM 25453-87A)	1
15	**96-452**	Retaining Ring (OEM 11096)	1
16	**96-772**	Retaining Ring (OEM 10998)	1
17	**96-783**	Steel Ball (OEM 8873)	3
18	**78-455**	Gasket, Side Cover (OEM 36801-87A), pkg of 10	1
	78-455A	Gasket, Side Cover (OEM 36801-87A), sold each	1
19	**96-554**	End Cover, Transmission, Cable (OEM 37105-87A)	1
	96-237	End Cover, Transmission, Hydraulic	1
20	**95-241**	O-ring, Dip Stick (OEM11132)	1
21	**41-285**	Dip Stick	1
22	**96-953**	Bolt, SHCS 1/4-20UNC x 2	2
	96-954	Bolt, SHCS 1/4-20UNC x 2.25	2
	96-955	Bolt, SHCS 1/4-20UNC x 2.5	2
23	**96-793**	Clutch Release Kit, includes # 12,13,14,16,17(Qty: 3),and 18	
24	**96-668**	Throwout rod/bearing assembly, complete (6 SPD, LSD trans only)	
	96-666	Throwout rod/bearing assembly, complete (5 SPD, LSD trans only)	

ULTIMA® SLICK SHIFT® 5 SPEED TRANSMISSIONS FOR SOFTAIL®



Midwest is proud to offer our Ultima® Slick Shift® 5 speed transmissions for Softail® models 1990 thru 1999 & custom applications.

5 SPEED Special features include:

- Ultima® transmission case cast in CNC machined permanent molds from A356 aluminum and hardened to T6 specifications, then fully machined on state-of the-art Mazak FH Horizontal Machining Center.
- Cases available in cast finish, polished finish or black powder coat finish. All Softail® 5 speed models come with speedo hole, and includes speedo block off plate.
- Ultima® polished billet trap door machined from 6061-T651 aluminum. 2.94:1 1st Gear on all 5 speed models provides close ratio shifting into 2nd gear.
- The shafts are 8620 with a case hardness to .070 depth; the cores are 35-38 HRC.
- Transmission gears are all back cut, made from high nickle, chrome moly steel, with lead-in ramps machined for better shifting.
- 12 month,12,000 mile warranty

5 SPEED SOFTAIL® COMPLETE WITH SLICK SHIFT® GEARS.

201-45 **Assy., 5 Speed Softail®, cast finish w/speedo hole.**
201-49 **Assy., 5 Speed Softail®, polished finish w/speedo hole.**
201-50 **Assy., 5 Speed Softail®, black powder coat w/speedo hole.**

HYDRAULIC CLUTCH END COVER FOR ULTIMA® & HD 5 & 6 SPEED TRANSMISSIONS

Fits 87'-03' stock Big Twins with 5 or 6 speed transmissions. Also fits Ultima® 5 & 6 speed LSD transmissions. Suited for a 9/16" or 5/8" bore master cylinder.

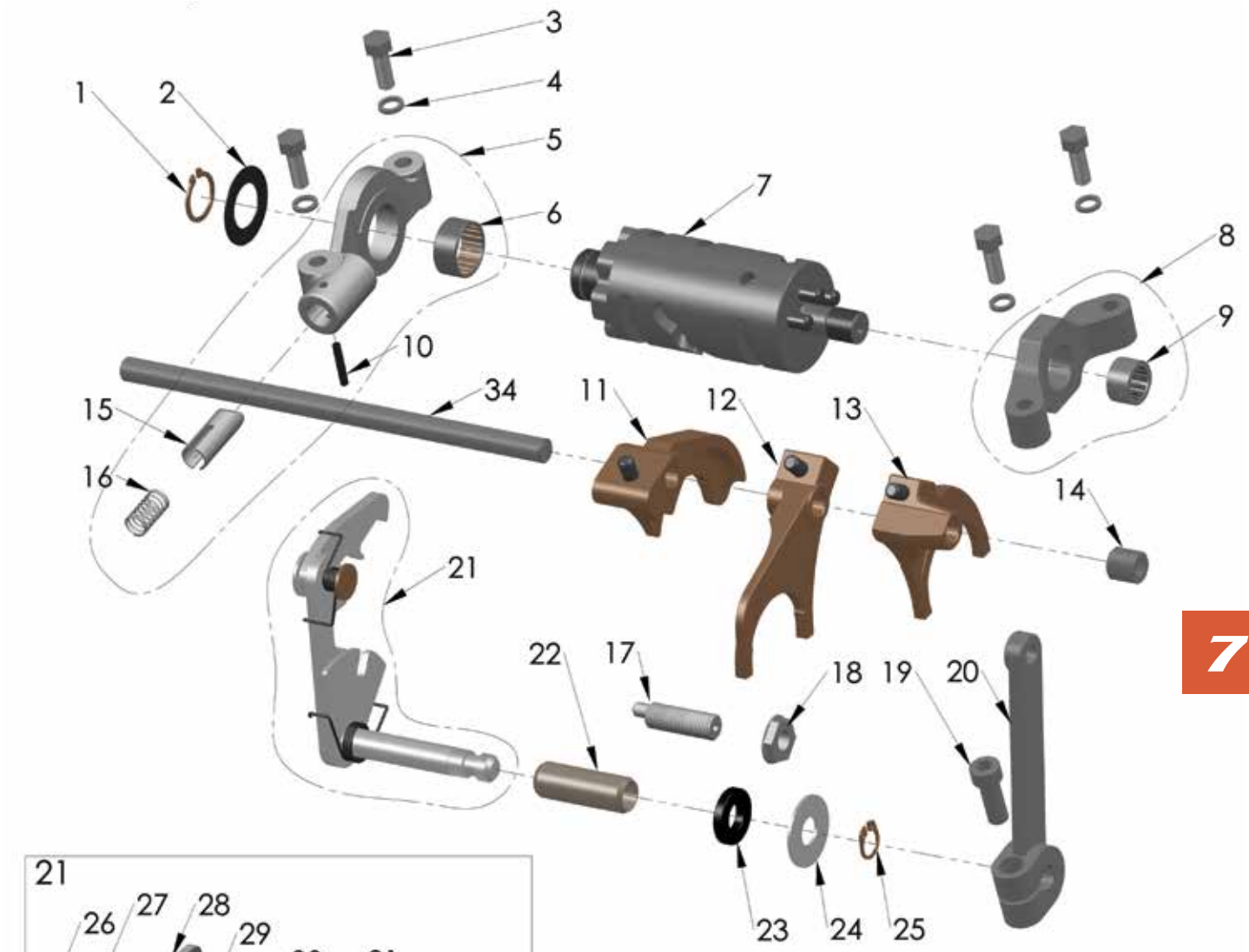
96-237 Smooth finish hyd. trans end cover. SOLD EACH

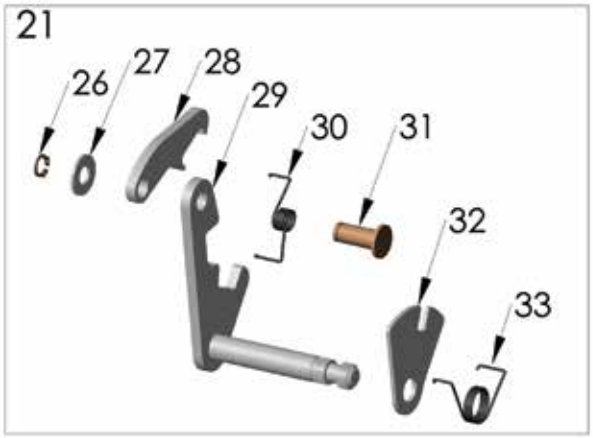


ULTIMA® 5-SPEED TRANSMISSIONS- SHIFT MECHANISM

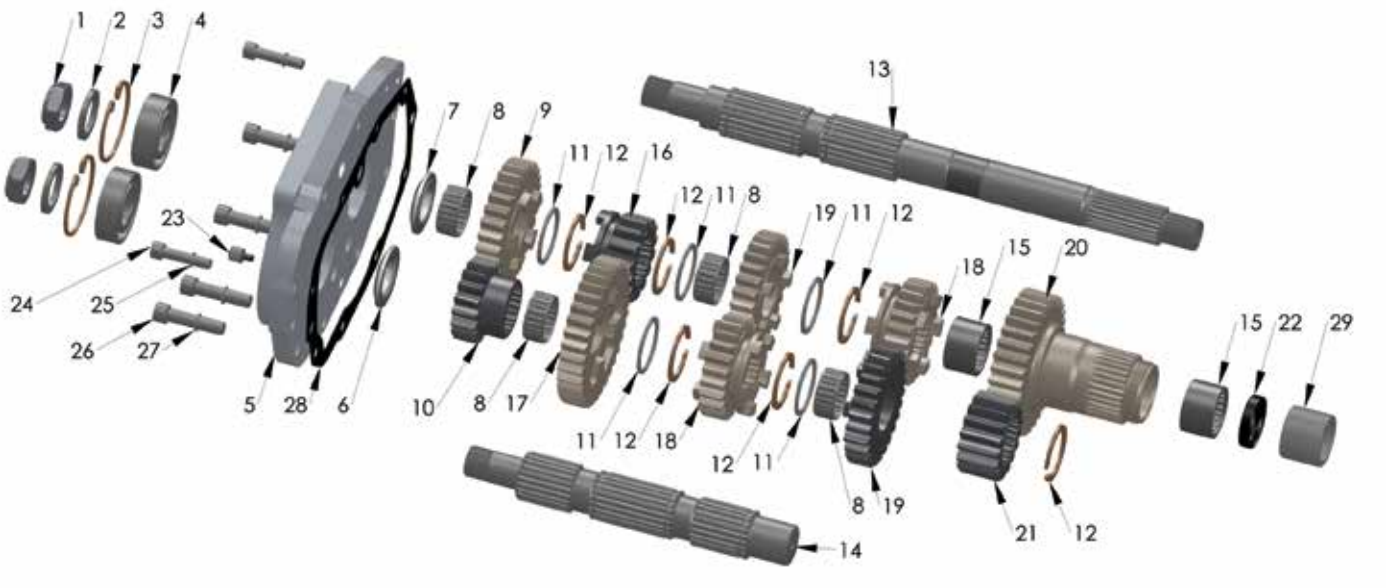
Item Number	Part Number	Description	Quantity
1	**96-759**	Retaining Ring, Shift Drum (OEM 11083)	1
2	**96-761**	0.017" Thick Thrust Washer (OEM 33205-80)	1
	96-762	0.020" Thick Thrust Washer (OEM 33206-80)	
	96-763	0.022" Thick Thrust Washer (OEM 33207-80)	
	96-764	0.025" Thick Thrust Washer (OEM 33208-80)	
	96-765	0.028" Thick Thrust Washer (OEM 33209-80)	
	96-766	0.031" Thick Thrust Washer (OEM 33210-80)	
	96-767	0.035" Thick Thrust Washer (OEM 33211-80)	
	96-768	0.039" Thick Thrust Washer (OEM 33212-80)	
3	**96-791**	Bolt, Pillow Blocks, 1/4-20 x1-1/4" (OEM 3993)	4
4	**96-758**	Washer, Pillow Blocks (OEM 6736)	4
5	**96-698**	Pillow Block(OEM 33332-79A) Detent Assembly, includes # 6,10,15,16	1
6	**95-599**	Shifter Cam Bearing, Right (OEM 9114)	1
7	**96-715**	Shift Cam/ Shift Drum (OEM 33320-79D)	1
8	**96-696**	Pillow Block (OEM 33326-79A), includes # 9	1
9	**95-600**	Shifter Cam Bearing, Left (OEM 9115)	1
10	**96-789**	Pin (OEM 601)	1
11	**96-701**	Steel Shifter Fork, Gear 1 Main Shaft (OEM 34195-79D)	1
	96-890	Bronze Heavy Duty Shift Fork, Gear 1 Main Shaft (OEM 34195-79D)	
12	**96-699**	Steel Shifter Fork, Gear 3 Counter Shaft (OEM 34191-79D)	1
13	**96-700**	Steel Shifter Fork, Gear 2 Main Shaft (OEM 34193-79D)	1
14	**96-790**	Set Screw, 1/2-20 x1/2 (OEM 3784)	1
15	**96-695**	Cam Follower, Shift Drum (OEM 34085-79A)	1
16	**96-771**	Spring (OEM 34089-79)	1
17	**96-680**	Adjusting Screw (OEM 33119-79B)	1
18	**96-681**	Jam Nut, Adjuster (OEM 7515)	1
19	**96-941**	Bolt, Shift Lever 5/16-24 x1" (OEM 856A)	1
20	**96-652**	Chrome Shift Rod Lever (OEM 33715-85)	1
21	**96-674**	Lever Assembly, Shift Pawl	1
22	**96-755**	Bushing, Shift Shaft (OEM 33114-79)	1
23	**95-787**	Seal, Shifter Shaft (OEM 12045)	1
24	**96-757**	Washer, Inner Shift Lever (OEM 6497HW)	1
25	**96-760**	Retaining Ring, Inner Shift Lever (OEM 11150)	1
26	**96-774**	Retaining Ring (OEM 11016)	1
27	**96-751**	Washer (OEM 6016)	1
28	**96-704**	Shift Pawl (OEM 34086-79)	1
29	**96-630**	Shifter Shaft Lever (OEM 34084-86)	1
30	**96-769**	Spring (OEM 34083-79)	1
31	**96-702**	Pin (OEM 34082-79)	1
32	**96-703**	Plate (OEM 35068-79)	1
33	**96-770**	Spring (OEM 34087-79A)	1
34	**96-638**	Shaft, Shift Fork (OEM 34088-87)	1

ULTIMA® 5-SPEED TRANSMISSIONS- SHIFT MECHANISM





ULTIMA® 5-SPEED TRANSMISSIONS- GEAR TRAIN



Item Number	Part Number	Description	Quantity
1	**96-683**	Locknut, Main Shaft and Counter Shaft (OEM 35078-79)	2
2	**96-684**	Spacer (OEM 35076-79)	2
3	**96-685**	Retaining Ring, Trap Door (OEM 11020)	2
4	**95-462**	Roller Bearing, Trap Door (OEM 8998)	2
5	**96-725**	Trap Door, Machine Finish, 5-Speed	1
	96-726	Trap Door, Polished, 5-Speed	
6	**96-658**	Counter Shaft Spacer (OEM 35629-79)	1
7	**96-657**	Main Shaft Spacer (OEM 35064-79)	1
8	**96-608**	Roller Bearing (OEM 8876A, for 1982 and later)	4
9	**98-915**	Fourth Gear, 29 teeth, Main Shaft (OEM 35028-79A)	1
10	**98-907**	Fourth Gear, 19 teeth, Counter Shaft (OEM 35625-79A)	1
11	**96-659**	Thrust Washer, Main Shaft and Counter Shaft (OEM 6003)	5
12	**96-621**	Retaining Ring, Main Shaft and Counter Shaft (OEM 11067)	6
13	**98-903**	Main Shaft, 5-Speed Transmission (OEM 35042-91)	1
14	**98-904**	Counter Shaft, 5-Speed Transmission (OEM 35632-79)	1
15	**96-609**	Bearing (OEM 35051-89, for 1991 and Later)	2
16	**98-905**	First Gear, 16 teeth, Main Shaft (OEM 35025-79A)	1
17	**98-912**	First Gear, 25 teeth, Counter Shaft (OEM 35622-79C)	1
18	**98-917**	Second Gear, Main Shaft/ Third Gear, Counter Shaft, 23 teeth (OEM 35026-79A)	2
19	**98-916**	Third Gear, Main Shaft/ Second Gear, Counter Shaft, 27 teeth (OEM 35027-79A)	2
20	**98-914**	Main Drive/Fifth Gear, 32 teeth, Main Shaft (OEM 35029-91), includes # 15, 22	1
21	**98-906**	Fifth Gear, 17 teeth, Counter Shaft (OEM 35626-79A)	1
22	**95-793**	Oil Seal, Gear End (OEM 12035A)	1
23	**41-167**	Drain Plug, Magnetic (OEM 739A)	1
24	**96-951**	Bolt, SHCS 1/4-20 x 1"	2
25	**96-947**	Washer (0.355" OD., 0.250" ID.)	2
26	**40-208**	Bolt, SHCS 5/16-18 x 3/4"	4
27	**96-949**	Washer (0.475" OD., 0.3125" ID.)	4
28	**78-452**	Gasket, Trap Door (OEM 35652-79), pkg of 10	1
	78-452A	Gasket, Trap Door (OEM 35652-79), sold each	1
29	**95-451**	Inner Race (OEM 34091-85)	1

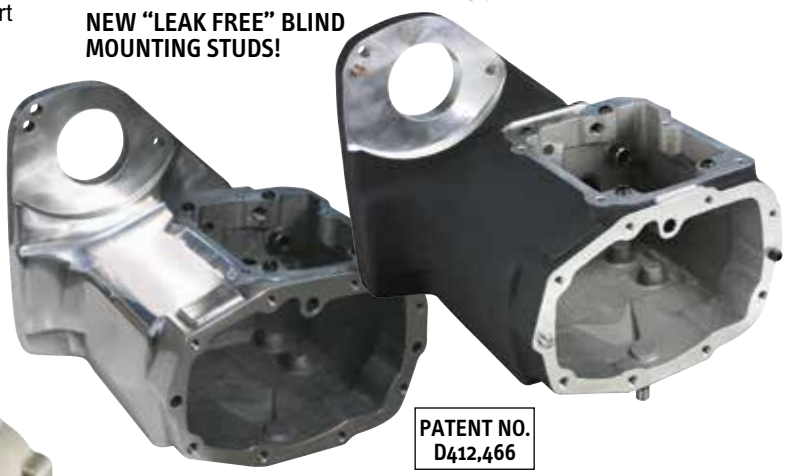
ULTIMA 4,5 & 6 SPEED HEAVY DUTY TRANSMISSION CASES

These transmission cases are designed to be one of the strongest on the market with extra case thickness and full support gussets where needed. Special features include:

- Castings in CNC machined permanent molds from A356 aluminum and hardened to T6 specification, then fully machined on state-of-the-art Mazak FH Horizontal Machining Center.
- 5 Speed case Patent No. D412,466.
- Includes speedo drive hole plug part No. **41-105**.

Available in cast, polished & black powder coat finish with speedo hole (5 spd & 6 spd RSD), or without speedo hole (6 spd LSD).

NEW "LEAK FREE" BLIND MOUNTING STUDS!



PATENT NO. D412,466



298-100

DESCRIPTION	CAST FINISH PART NO.	CAST FINISH WITH SPEEDO HOLE	POLISHED FINISH WITH SPEEDO HOLE	BLACK POWDER COAT WITH SPEEDO HOLE
5 & 6 SPEED SOFTAIL®				
Case, 5 & 6 Speed Softail®, complete with main bearing & retaining ring, countershaft bearing, shift shaft bushing, case studs, and all alignment pins.	—	298-110	298-112	298-109
Bare case only, 5 & 6 Speed Softail®.	—	298-106	298-113	298-105
4 SPEED				
Bare case only, 4 Speed 1965 thru 1978.	298-100			
Bare case only, 4 Speed 1936 thru 1964.	298-125			

7

ULTIMA® SIX SPEED BUILDERS KIT

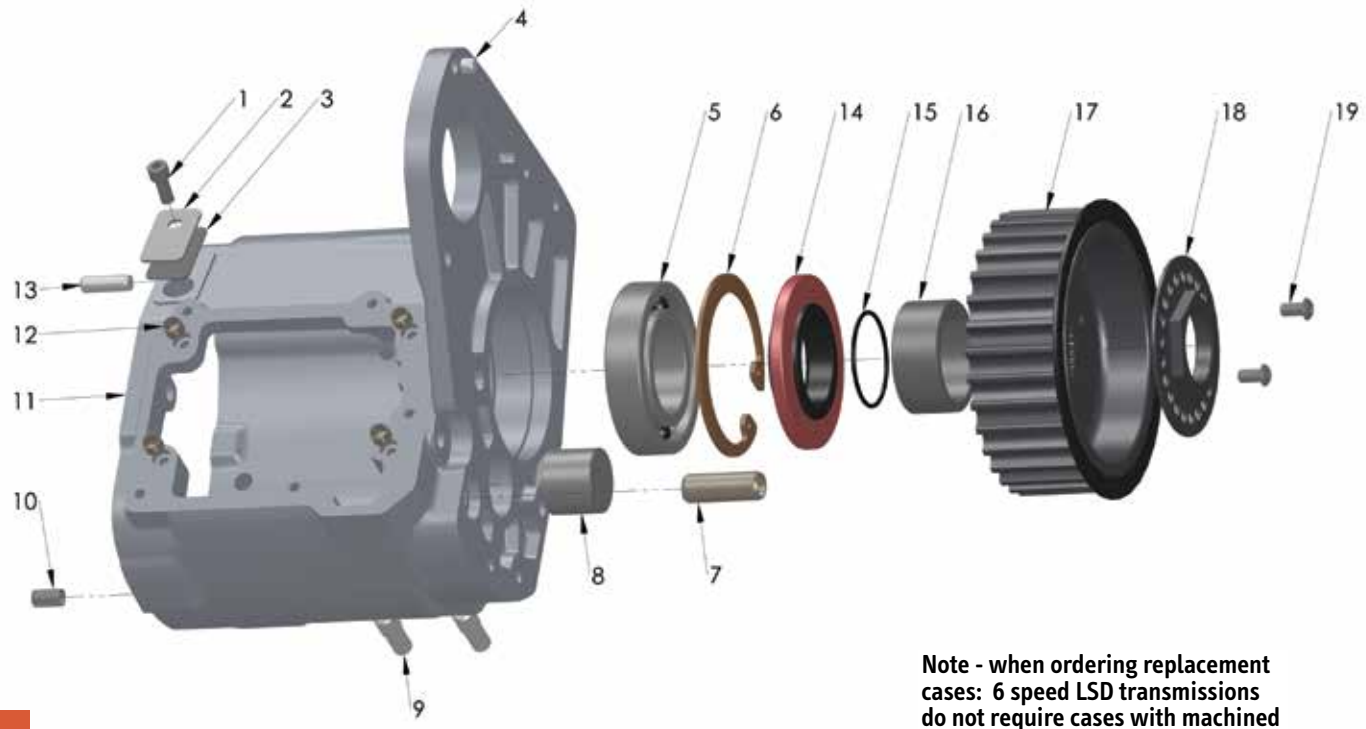
The Ultima Six Speed Builders kit was designed to provide a simple, low cost, 6 speed overdrive solution for 1990/L Big twin owners. These kits work in most 1990-1999 models with little or no modification. A speedometer recalibration unit is required on some 1996-2000 and all 2001 later models. These kits will work in 5 spd type 2000/Later models with additional minor modifications. The trap door is thicker than stock so any brackets used that are trap door mounted may need modification. Complete instructions included or available online. All Touring FLT and FLH Models 93/L require an oil filler spacer #89-14. Ultima 6 Speed Gear sets are built using the same quality components as our transmissions.
*Instructions included and available online @ www.ultimaproducts.com.



Features:
- Roller Detent for smoother shifting
- Precision Ground 8620 Gears and shafts
- Chrome Plated Billet Trap Door
- Gear Ratios are:
  1. 2.94: 1
  2. 2.21: 1
  3. 1.57: 1
  4. 1.23: 1
  5. 1: 1
  6. .86: 1

98-902 Ultima 6 Speed Builders Kit
1990 & later Big Twin 5-spd models.

ULTIMA® 6 & 5-SPEED TRANSMISSION CASES



Note - when ordering replacement cases: 6 speed LSD transmissions do not require cases with machined in speedo hole.

CASE KITS: Complete with main bearing, retaining ring, counter shaft bearing, shift shaft bushing, case studs, and all alignment pins. Includes items 1 Thru 13.

298-110 Cast Finish w/Speedo Hole
298-112 Polished Finish w/Speedo Hole
298-109 Black Powder Coat w/Speedo Hole

Item Number	Part Number	Description	Quantity
1	**98-929**	Screw, SHCS 1/4-20 x 7/16"	1
2	**98-930**	Cover Plate, Speedo Hole	1
3	**98-931**	Gasket, Cover Plate	1
4	**96-775**	Pin, Alignment (OEM 337)	1
5	**95-432**	Bearing, Left Side Main Shaft (OEM 8996)	1
6	**95-433**	Snap Ring (OEM 11161)	1
7	**96-755**	Bushing, Shift Shaft (OEM 33114-79)	1
8	**95-434**	Bearing, Left Side Counter Shaft (OEM 8977)	1
9	**96-773**	Stud, Case (OEM 11733)	5
10	**96-777**	Pin (OEM 634)	1
11		Transmission Case, See Kits Above.	1
12	**96-750**	Pin (OEM 609)	4
13	**96-776**	Pin (OEM 375)	1
14	**95-791**	Main Shaft Seal (OEM 12067A)	1
15	**95-650**	Quad Seal, O-ring (OEM 11165)	1
16	**96-826**	Transmission Spacer (OEM 33344-94)	1
17	**94-378**	Pulley, 32T, includes # 18,19	1
18	**94-381**	Lock Nut Kit, includes # 19 (OEM 35211-91, 40251-91, and 3594)	1
19	**98-925**	Screw, Button Head, 1/4-20 x 5/8" (OEM 3594)	2

ULTIMA 5 & 6 SPD KICKER CONVERSION KIT

Starter acting up? Increase your options & don't get left behind!

Convert that "electric start only" bike to a kicker in less than an hour. New to the lineup, Ultima is now offering top quality kicker conversion kits for use w/99' & earlier style 5 & 6spd transmissions. (cable operated clutch release)

Instructions available online at www.ultimaproducts.com.

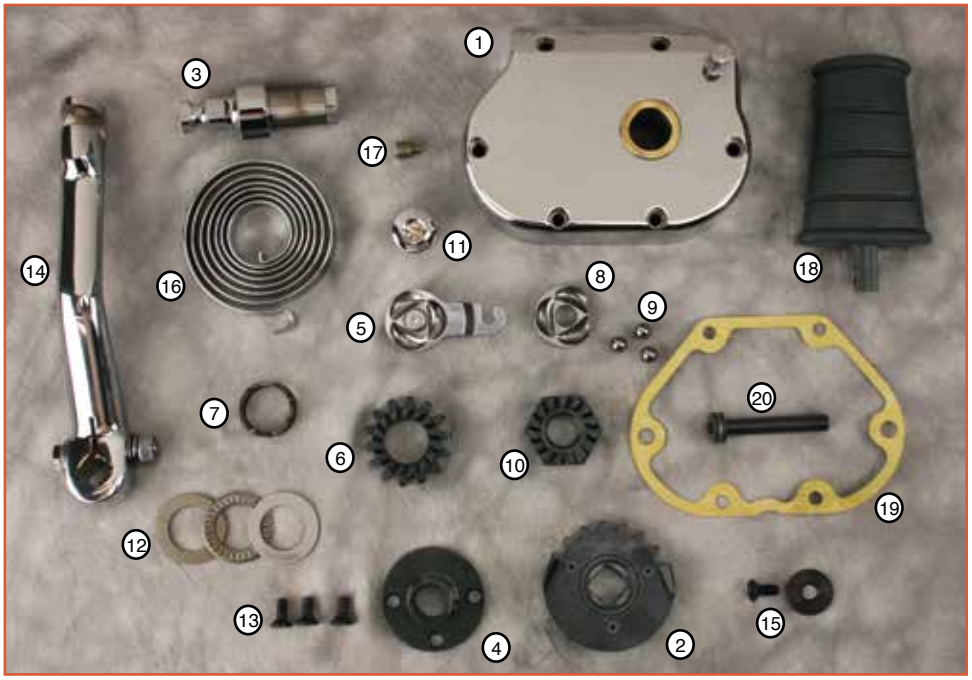


96-969 Kicker conversion kit. SOLD AS KIT

96-958 Mainshaft kicker gear spacer (required for 5spd installation). SOLD EACH



96-958



NO #	MW #	DESCRIPTION	U/M
1	**96-983**	Kicker cover	Sold each
2	**96-984**	Kicker crank gear	Sold each
3	**96-985**	Kicker shaft	Sold each
4	**96-986**	Kicker gear guide	Sold each
5	**96-987**	Ball & ramp top	Sold each
6	**96-988**	Kicker main gear (drive)	Sold each
7	**96-989**	Kicker spring	Sold each
8	**96-990**	Ball & ramp bottom	Sold each
9	**96-991**	Ball & ramp bearings	Pkg 3
10	**96-992**	Mainshaft nut/gear (driven)	Sold each
11	**96-993**	Fill plug	Sold each
12	**96-994**	Kicker bearing assembly	Pkg
13	**96-995**	Flathead bolt kit	Pkg 3
14	**96-996**	Kicker arm	Sold each
15	**96-997**	Retaining washer/flathead bolt	Pkg
16	**96-167**	Kicker return spring	Sold each
17	**41-167**	Drain screw, magnetic	Sold each
18	**22-71**	Kicker pedal	Sold each
19	**78-455A**	Cover gasket	Sold each
20	**96-668**	Throwout assembly	Sold each

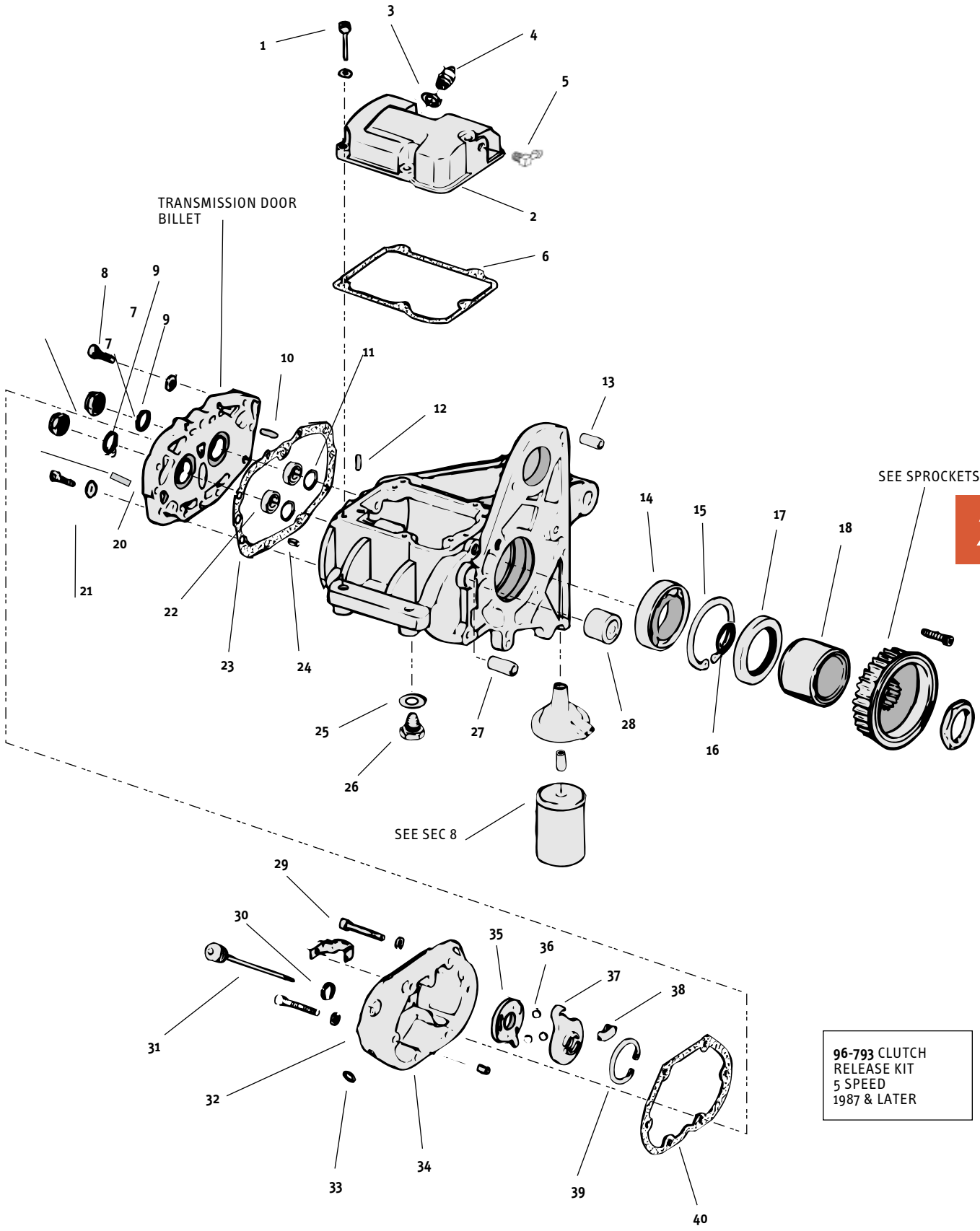
TRANSMISSION HOUSING & PARTS FOR 5 SPEED FXR

AL PARTS SOLD EACH EXCEPT AS NOTED

1	**96-781**	SCREW (OEM 4741A)
2	**96-563**	TRANS TOP COVER 1987 & LATER (OEM 34468-86A))
3	**96-754**	WASHER (OEM 33043-80)
4	**17-72**	NEUTRAL LIGHT SWITCH 1982 & LATER 5 SPD. (OEM 33900-59)
5	**21-304**	VENT FITTING CHROME (OEM 62375-57)
6	**78-461**	GASKET (OEM 34904-86), SOLD EACH
	78-461A	GASKET (OEM 34904-86), SOLD EACH
7	**96-683**	SHAFT NUT (OEM 35078-79)
8	**96-782**	SCREW (OEM 4814)
9	**96-684**	SPACER (OEM 35076-79)
10	**96-776**	PIN (OEM 375)
11	**96-685**	SNAP RING (OEM 11020)
12	**96-750**	PIN (OEM 609)
13	**96-775**	PIN (OEM 337)
14	**95-432**	LEFT SIDE MAINSHAFT BEARING (OEM 8996)
15	**95-433**	SNAP RING (OEM 11161)
16	**95-650**	QUAD SEAL (OEM 11165)
17	**95-431**	MAINSHAFT SEAL 1979/EARLY 1984 (OEM 12044A)
	95-736	MAINSHAFT SEAL LATE 1984/1994 (OEM 12050)
	95-791	MAINSHAFT SEAL (OEM 12067A)
18	**96-709**	TRANS SPACER LATE 1994 & LATER. .60". **U.S.A. MADE** (OEM 33344-94)
	96-825	TRANS SPACER LATE 1984/EARLY 1994 .85". IMPORT (OEM 33334-85)
	96-826	TRANS SPACER LATE 1994 & LATER .60". IMPORT (OEM 33344-94)
19	**41-167**	MAGNETIC 1/8 - 27 NPT INTERNAL HEX HEAD PLUG. REPLACES OEM 739A.
20	**96-779**	SCREW (OEM 3210A)
21	**96-751**	WASHER (OEM 6016)
22	**95-462**	BEARING (OEM 8998)
23	**78-452**	GASKET (OEM 35652-79), PKG OF 10
	78-452A	GASKET (OEM 35652-79), SOLD EACH
24	**96-777**	PIN (OEM 634)
25	**96-15**	WASHER (OEM 6007)
26	**41-164**	3/8 - 18 MAGNETIC PLUG. REPLACES OEM 722.
	96-16	PLUG (OEM 722A)
27	**96-755**	SPACER (OEM 33114-79)
28	**95-434**	COUNTER SHAFT BEARING (OEM 8977)
29	**96-780**	SCREW (OEM 4717A)
30	**95-241**	O-RING (OEM 11132)
31	**41-592**	HEX HEAD TRANS FILLER CAP/DIPSTICK FLT & 5 SPD 1985 & 1986. COLONY.
	41-285	ALLEN HEAD TRANS FILLER CAP/DIPSTICK FLT & 5 SPD. GARDNER WESCOTT
32	—	HYDRAULIC CLUTCH KIT COMPLETE. REPLACES OEM 45380-02C.
33	**96-753**	O-RING (OEM 11179)
34	—	TRANS RELEASE END COVER FXR 1987/1994(OEM 37109-87A)
35	**96-785**	OUTER RAMP (OEM 25453-87A)
36	**96-783**	BALL (OEM 8873)
37	**96-784**	INNER RAMP (OEM 25452-87A)
38	**96-788**	COUPLING (OEM 34920-86)
39	**96-772**	RET. RING (OEM 10998)
40	**78-455**	GASKET (OEM 36801-87A), PKG OF 10
	78-455A	GASKET (OEM 36801-87A), SOLD EACH

TRANSMISSION HOUSING & PARTS FOR 5 SPEED FXR

AL PARTS SOLD EACH EXCEPT AS NOTED



96-793 CLUTCH RELEASE KIT
5 SPEED
1987 & LATER

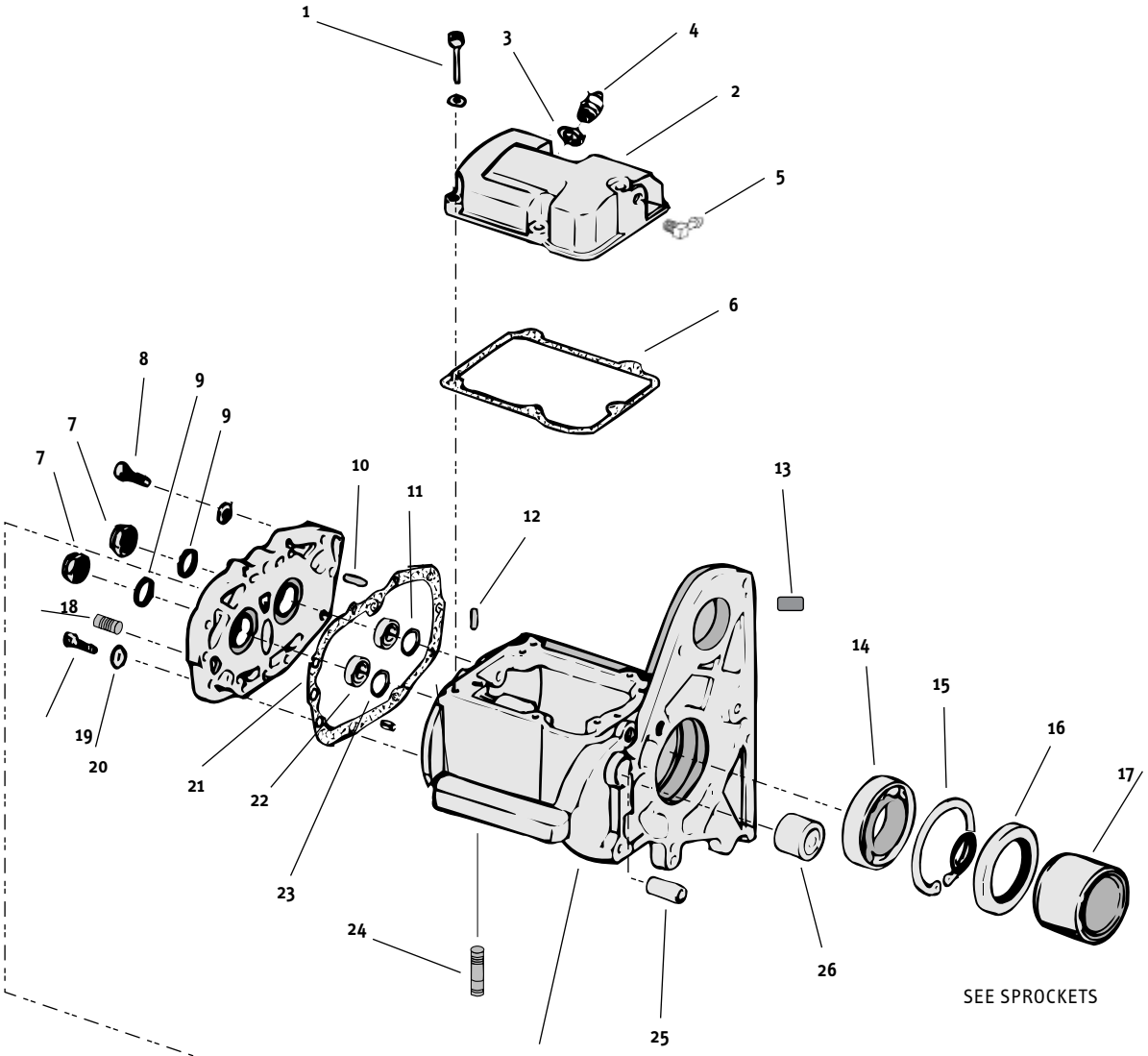
TRANSMISSION HOUSING & PARTS FOR 5 SPEED FXST/FLST

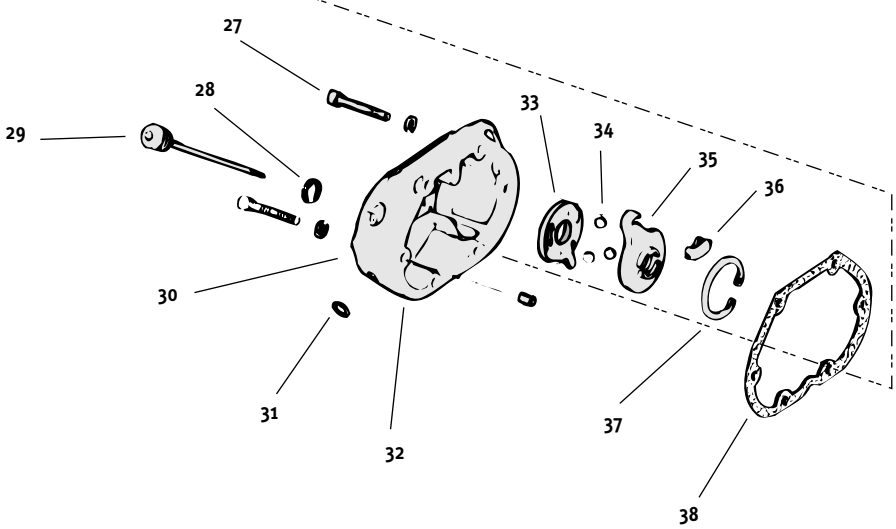
ALL PARTS SOLD EACH EXCEPT AS NOTED

1	**96-781**	SCREW (OEM 4741A)
2	**96-563**	TRANS TOP COVER 1987 & LATER (OEM 34468-86A)
3	**96-754**	WASHER (OEM 33043-80)
4	**17-72**	NEUTRAL LIGHT SWITCH 1982 & LATER(OEM 33900-59)
5	**21-304**	VENT FITTING CHROME (OEM 62375-57)
6	**78-461**	GASKET (OEM 34904-86), SOLD EACH
	78-461A	GASKET (OEM 34904-86), SOLD EACH
7	**96-683**	SHAFT NUT (OEM 35078-79)
8	**96-782**	SCREW (OEM 4814)
9	**96-684**	SPACER (OEM 35076-79)
10	**96-776**	PIN (OEM 375)
11	**96-685**	SNAP RING (OEM 11020)
12	**96-750**	PIN (OEM 609)
13	**96-775**	PIN (OEM 337)
14	**95-432**	LEFT SIDE MAINSHAFT BEARING (OEM 8996)
15	**95-433**	SNAP RING (OEM 11161)
16	**95-431**	MAINSHAFT SEAL 1979/E 1984 (OEM 12044A)
	95-736	MAINSHAFT SEAL L 1984/1994 (OEM 12050)
	95-791	MAINSHAFT SEAL (OEM 12067A)
17	**96-825**	TRANS SPACER LATE 1984/E 1994 .85". IMPORT (OEM 33334-85)
	96-826	TRANS SPACER LATE 1994 & LATER .60". IMPORT (OEM 33344-94)
18	**41-167**	MAGNETIC 1/8 - 27 NPT INTERNAL HEX HEAD PLUG. REPLACES OEM 739A.
19	**96-779**	SCREW (OEM 3210A)
20	**96-751**	WASHER (OEM 6016)
21	**78-452**	GASKET (OEM 35652-79), PKG OF 10
	78-452A	GASKET (OEM 35652-79), SOLD EACH
22	**95-462**	BEARING (OEM 8998)
23	**96-777**	PIN (OEM 634)
24	**96-773**	STUD (OEM 11733)
25	**96-755**	SPACER (OEM 33114-79)
26	**95-434**	COUNTER SHAFT BEARING (OEM 8977)
27	**96-780**	SCREW (OEM 4717A)
28	**95-241**	O-RING (OEM 11132)
29	**41-285**	ALLEN HEAD TRANS FILLER CAP/DIPSTICK FLT & 5 SPD. GARDNER WESCOTT
	41-592	HEX HEAD TRANS FILLER CAP/DIPSTICK FLT & 5 SPD. COLONY.
30	—	HYDRAULIC CLUTCH KIT COMPLETE. REPLACES OEM 45380-02C.
31	**96-753**	O-RING (OEM 11179)
32	**96-554**	TRANS RELEASE END COVER SOFTAIL® & FLT 1987 & LATER (OEM 37105-87A)
33	**96-785**	OUTER RAMP (OEM 25453-87A)
34	**96-783**	BALL (OEM 8873)
35	**96-784**	INNER RAMP (OEM 25452-87A)
36	**96-788**	COUPLING (OEM 34920-86)
37	**96-772**	RET. RING (OEM 10998)
38	**78-455**	GASKET (OEM 36801-87A), PKG OF 10
	78-455A	GASKET (OEM 36801-87A), SOLD EACH

TRANSMISSION HOUSING & PARTS FOR 5 SPEED FXST/FLST

AL PARTS SOLD EACH EXCEPT AS NOTED





96-793 CLUTCH
RELEASE KIT
5 SPEED
1987 & LATER

TRANSMISSION GEARS FOR 5 SPEED BIG TWIN

ALL PARTS SOLD EACH EXCEPT AS NOTED

1	**96-657**	MAINSHAFT SPACER (OEM 35064-79)
2	—	4TH MAIN GEAR. ANDREWS (OEM 35028-79A)
3	**96-659**	THRUST WASHER (OEM 6003)
4	**96-621**	RETAINING RING (OEM 11067)
5	**96-642**	MAINSHAFT FIRST GEAR. ANDREWS (OEM 35025-79B)
	96-660	MAINSHAFT FIRST GEAR. JIMS (OEM 35025-79B)
6	**96-452**	CLIP (OEM 11096)
7	**96-451**	BEARING
8	**96-608**	BEARING FOR 1982 & LATER (OEM 8876A) SOLD EACH
9	**96-476**	MAINSHAFT, CHAIN DRIVE FOR 1981/1984. ANDREWS (OEM 35042-79)
	96-477	MAINSHAFT, BELT DRIVE, FOR 1985/1989. ANDREWS (OEM 35042-85)
	96-556	MAINSHAFT, BELT DRIVE, FOR 1991 & LATER. ANDREWS (OEM 35042-91)
10	**96-204**	KEY FOR 1985/1989 (OEM 37523-85)
11	—	3RD MAIN 2ND COUNTER. ANDREWS (OEM 35027-79A)
12	—	3RD COUNTER 2ND MAIN. ANDREWS (OEM 35026-79A)
13	—	MAIN DRIVE GEAR, BELT DRIVE, FOR 1985/1990. ANDREWS (OEM 35029-85)
	96-568	MAIN DRIVE GEAR, BELT DRIVE FOR 1991 & LATER. ANDREWS (OEM 35029-91A)
14	**96-609**	BEARING FOR 1991 & LATER (OEM 35051-89) SOLD EACH
15	**95-793**	MAIN GEAR END OIL SEAL 1985 & LATER. COMETIC (OEM 12035A)
16	**95-451**	INNER RACE (OEM 34091-85)
17	**96-658**	COUNTERSHAFT SPACER (OEM 35629-79)
18	—	4TH COUNTER GEAR. ANDREWS (OEM 35625-79A)
19	**96-643**	COUNTERSHAFT FIRST GEAR. ANDREWS (OEM 35622-79C)
20	—	COUNTER SHAFT. ANDREWS (OEM 35632-79)
21	—	5TH COUNTER. ANDREWS (OEM 35626-79A)

A



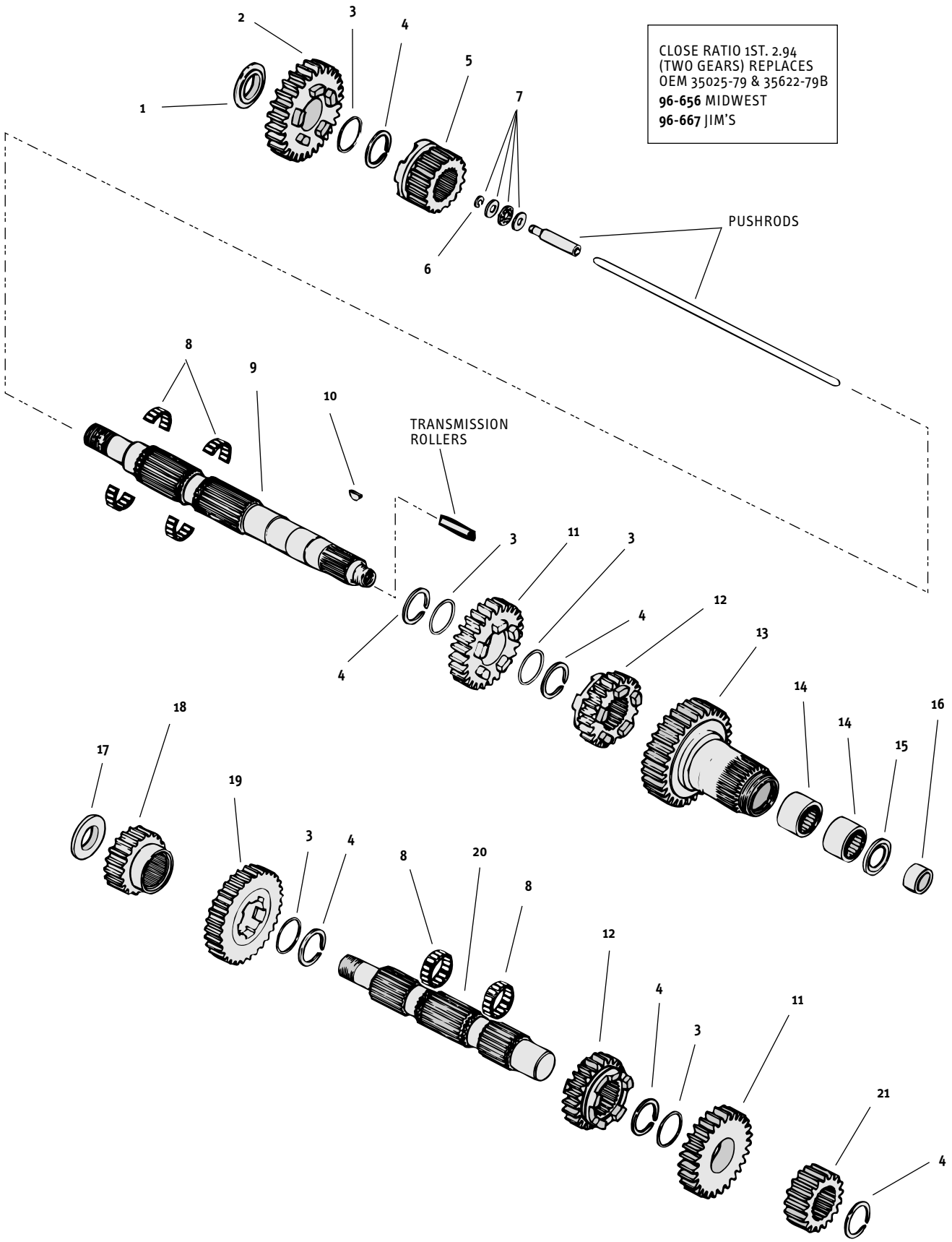
JIMS

A. JIMS COUNTERSHAFT FOR BIG TWIN 5 SPEED

96-820 Countershaft .25" shorter than stock. For use on Sputhe 5 speed transmission case in a 4 speed frame.
SOLD EACH

7

TRANSMISSION GEARS FOR 5 SPEED BIG TWIN



A. *THRUST WASHERS FOR SPORTSTER® COUNTER SHAFT LOW GEAR RIGHT*
1954 THRU 1985

QTY.	OEM NO.	MIDWEST PART NO.	DESCRIPTION
1	35818-72	96-486	.0201
1	35327-73	96-487	.025
1	35819-72	96-488	.030
1	35328-73	96-489	.035
1	35821-72	96-490	.040
1	35329-73	96-491	.045
1	35820-52	96-492	.050
1	35821-52	96-493	.055
1	35824-52	96-494	.060
1	35825-52	96-495	.065
1	35828-52	96-496	.070
1	35829-52	96-497	.075

INDIVIDUAL WASHERS SOLD EACH

B. *THRUST WASHERS FOR SPORTSTER® COUNTER SHAFT LOW GEAR LEFT*
1955 THRU EARLY 1984

QTY.	OEM NO.	MIDWEST PART NO.	DESCRIPTION
1	35840-52	96-498	.065
1	35836-55	96-499	.075
1	35838-55	96-500	.085
1	35839-55	96-501	.100

INDIVIDUAL WASHERS SOLD EACH

C. *THRUST WASHERS FOR SPORTSTER® MAINSHAFT RIGHT* *1954 THRU 1985*

QTY.	OEM NO.	MIDWEST PART NO.	DESCRIPTION
1	35343-73	—	.030
1	35344-73	96-507	.040
1	35349-52	96-508	.050
1	35350-52	96-509	.055
1	35351-52	96-510	.060
1	35352-52	96-511	.065
1	35353-52	96-512	.070
1	35354-52	96-513	.075
1	35326-73	96-514	.080
1	35355-72	96-515	.085
1	N/A	96-516	.090
1	35357-82	96-517	.098
1	35358-82	96-518	.107
1	35359-82	96-519	.116
1	35360-82	96-520	.125

INDIVIDUAL WASHERS SOLD EACH

D. *THRUST WASHERS FOR SPORTSTER® MAINSHAFT RIGHT* *1986 & LATER*

QTY.	OEM NO.	MIDWEST PART NO.	DESCRIPTION
1	35380-84	96-521	.0965
1	35381-84	96-522	.0905
1	35382-84	96-523	.0845
1	35383-84	96-524	.0795
1	35384-84	96-525	.0727
1	35385-84	96-526	.0675

INDIVIDUAL WASHERS SOLD EACH

E. *HEAVY DUTY SHIFT FORK*

The same products used in our Ultima® Bullshift® transmissions, these are the strongest shift forks on the market today. These forks are made from a proprietary blend of aluminum bronze and are over three times as thick as stock shift forks. Bronze wears better than steel forks and by our design, these are a more rigid piece providing positive gear engagement. The material these forks are made from keeps ferrous material from being produced and floating around inside your transmission This keeps your gears and bearings in a more friendly environment and helps stop speedometer sensors from clogging.

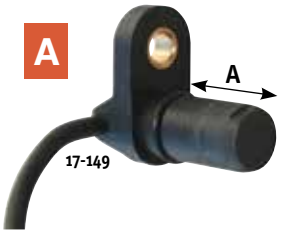
96-890 Shift fork. Replaces OEM 34195-79D. SOLD EACH



A. *SPEEDOMETER SENSORS*

Used to send electronic pulses to the speedometer from 5 & 6 speed transmissions. A = protrusion depth

17-149	Speed sensor, OEM 74402-95B	A = 1.190"	SOLD EACH
17-150	Speed sensor, OEM 74420-94C	A = 0.810"	SOLD EACH
17-151	Speed sensor, OEM 74437-96	A = 0.810"	SOLD EACH





B. *ULTIMA® SPEEDOMETER RECALIBRATION MODULE* NEW!

A speedometer recalibration module is required when changing the gearing or tire size on a motorcycle that doesn't have a programmable speedometer. This module adjusts the output of the speedometer sensor so that the speedometer registers the correct MPH.

★17-152 Speedometer recalibration module SOLD EACH



C. *ULTIMA® PULLEY LOCK NUT*

Fits 93 & later XL & Big Twins with belt final drive & custom applications. Helps eliminate loose pulley nuts by adding the locking plate to the nut. Bolts are included.

94-381 Ultima® pulley lock nut SOLD EACH



D. *EASY PULL CLUTCH KIT FOR BIG TWIN*

Reduces the amount of effort needed to operate the clutch lever. Complete clutch disengagement is still achieved. Installs easily.

96-560 Fits Big Twin 1987 & later except FXR and Sportster® 1986 thru 1990. SOLD AS KIT

E. *SPEEDO BLOCK OFF PLATE FOR 5 SPEED*

Fits Big Twin & Sportster®. Covers hole if not using speedometer pick-up sensor.

96-882	Block off plate with gasket & screw.	SOLD AS KIT
78-528	Gasket only.	SOLD EACH





F. *TOP COVERS FOR BIG TWIN 5 SPEED TRANSMISSION*

Bringing your Big Twin 5 speed the "factory custom" look at the right price.

96-563	For 1987 & later. Replaces OEM 34468-86A.	SOLD EACH
21-304	Vent fitting. Chrome. Replaces OEM 62375-57.	SOLD EACH



CHROME PLATED

G. *TRANSMISSION TOP COVERS FOR NEWER MODEL H-D*

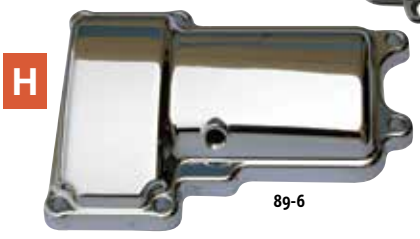
96-567 Trans top cover, OE#34541-00, fits 00'-up Softails® and 01'-up' Touring models. SOLD EACH



H. *TRANSMISSION CHROME TOP & SIDE COVERS*

For 06'-up Dyna®, 07'-up Softails® & Touring models.

89-6 Trans top cover, OEM#34469-06, chrome. SOLD EACH



7

A. *TRANSMISSION BILLET SIDE COVERS*

Update your bike to a tough handcrafted look, RawCut™ & Welded, w/a transmission cover to outfit your late model HD. Precision machined billet covers, hand welded. SOLD EACH

96-622 5-speed transmission side cover, Use on 1999 to 2006 Big Twins. SOLD EACH

96-623 6-speed transmission side cover, Use on 2007 to present Twin Cam® SOLD EACH

A



96-623

B. *CLUTCH RELEASE TRANS END COVERS*

96-554 Ribbed front. For Softail® & FLT, 1987 & later. Replaces OEM 37105-87A. SOLD EACH

96-883 Smooth front. For Big Twin 5 speed 1987 & later, except FXR 1987 thru 1994. Replaces OEM 37105-99.

B



96-883

CHROME PLATED



96-554

C. *HYDRAULIC CLUTCH END COVER FOR ULTIMA® & HD 5 & 6 SPEED TRANSMISSIONS*

Fits 87'-03' stock Big Twins with 5 or 6 speed transmissions. Also fits Ultima® 5 & 6 speed LSD transmissions. Suited for a 9/16" or 5/8" bore master cylinder.

96-237 Smooth finish hyd. trans end cover. SOLD EACH

C



D. *BILLET TRAP DOORS FOR 5 SPEED*

Excellent quality at an excellent price. The Chrome Horse® trap door is CNC machined from 6061-T651 aluminum which allows for exact tolerances & superior strength. The mounting holes are countersunk to provide a clean look.

96-939 Polished trap door. SOLD EACH

95-462 Bearing. Replaces OEM 8998. SOLD EACH

96-685 Snap ring. Replaces OEM 11020. SOLD EACH

D



E. *5 SPEED TRANSMISSION GEARS FOR BIG TWIN*

INDIVIDUAL GEARS AND SHAFTS

MAINSHAFT FIRST GEAR

Mate with #35622-79B or equivalent only.

96-660 For Big Twin 1980 & later. SOLD EACH

FIRST GEAR CLOSE SET — 2.94 RATIO

Makes first gear higher for lighter bikes and high performance motors, or more mph in first gear. 2 Piece gear set, 35025-CR mainshaft gear, 35622-CR countershaft first gear.

96-667 For Big Twin 1980 & later. SOLD EACH

E



96-660



96-667

A. *TRANSMISSION GEAR SETS*

Transmission gear sets for 5 speed EV-80 bikes are available as complete kits. Each kit includes the following parts:

1st Gears (2.94) (counter and main)	2 PIECES
2nd Gears (counter and main)	2 PIECES
3rd Gears (counter and main)	2 PIECES
4th Gears (counter and main)	2 PIECES
5th Gears (counter and main)	2 PIECES
Countershaft	1 PIECE
Mainshaft	1 PIECE

96-647 For belt drive 1991 & later. SOLD AS KIT

A



B. *5 SPEED TRANSMISSION GEARS FOR BIG TWIN*

ANDREWS

Since we get many question regarding transmission gear ratios, a table of values for EV-80 transmissions is shown below along with an explanation of how the actual numbers are determined. The internal ration (in any gear) is a combination of the speed gear ratio and the main drive gear ratio. The numbers below are the numbers of teeth on each mating pair of gears.

GEAR	MAIN DRIVE	SPEED GEAR	OVERALL RATIO	% RPM DROP	MPH PER 1000 RPM
1st (Stk.)	32/17	31/18	3.24	32	6.81
1st (Close)	32/17	25/16	2.94	25	7.50
2	32/17	27/23	2.21	27	9.99
3	32/17	23/27	1.60	23	13.79
4	32/17	19/29	1.23	19	17.94
5	32/17	(Direct Drive)	1.00	—	22.07

To calculate the internal gear ratio in 2nd gear for example, multiply 32/17 times 27/23; (32/17 x 27/23) = 2.21.

To calculate MPH per 1000 engine RPM: (assuming a 25" dia. rear wheel and a stock 3.37 final drive ratio); (25 x 3.14159) / 12 x (1000 / (3.37 x 60) x (3.0 / 4.4.) = 22.07 MPH per 1000 engine RPM (in 5th gear).

To calculate MPH per 1000 engine RPM in 3rd gear: Divide 22.07 by 1.60 (22.07 / 1.60) = 13.8 MPH per 1000 engine RPM (in 3rd gear).

The 5 speed gear box has actually been around for several years but the growing number of modifications for the EV 1340 engine has created a lot more interest in it. In addition to close ratio first gears, Andrews Products also makes replacement gears for 2nd, 3rd, 4th and 5th gear sets. As with the close first gears, all 5 speed gears are made from high nickel alloy and heat treated and shot-peened to give maximum durability and strength. Also, where applicable, lead-in ramps have been machined into some gears to improve shifting and reduce wear on drive dogs and drive slots.

B



96-656



96-568

3.24 Stock ratio 1st gears of high nickle steel with lead-in ramps for quicker, more positive shifting.

96-642 1st main, 18 teeth. OEM 36025-79. SOLD EACH
96-643 1st Counter, 31 teeth. OEM 36622-79A.

2.94 1st Gears provide true close ratio shifting into 2nd. At peak rpm, these gears add 5 mph of usable 1st gear. (Two pieces.)

96-656 Midwest gears. SOLD AS SET

High nickel steel parts for maximum strength. Main drive gear also has lead-in ramps for quick positive shifting. SOLD EACH

96-568 Stock main drive gear — belt drive. Replaces OEM 35029-91. (Not shown)

A



96-476



96-477



96-556

A. *ANDREWS TRANSMISSION SHAFTS FOR 5 SPEED*

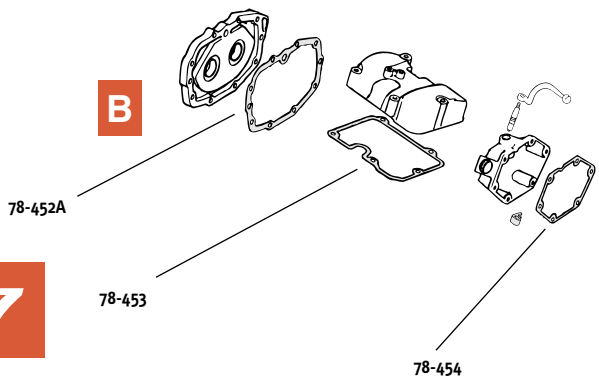
Replacement trans shafts are made from high nickel steel with aircraft quality heat treatments.

96-476 Chain drive mainshaft for 1981 thru 1984. OEM 35042-79. **SOLD EACH**
96-477 Belt drive mainshaft for 1985 thru 1989. OEM 35042-85.
96-556 Belt drive mainshaft for 1991 & later. OEM 35042-91.

B. *TRANSMISSION PARTS FOR 5 SPEED FXR, FLT & CLASSIC 1980 THRU 1986*

78-452 Bearing housing gasket. OEM 35652-79. U.S.A. MADE. **SOLD AS PKG.**
78-452A Bearing housing gasket. OEM 35652-79. U.S.A. MADE. **SOLD EACH**
78-453 Upper cover gasket. OEM 34904-79. U.S.A. MADE. **SOLD AS PKG.**
78-454 Release cover gasket. OEM 36801-79. U.S.A. MADE. **SOLD AS PKG.**

B



C. *JIMS COMPLETE 5 SPEED TRANSMISSION GEAR SET*

Gear set for 5 speed Big Twin transmissions includes all gears and shafts. Available with stock or close ratio first gears. These are the same precision gears used in Jims complete transmissions. **SOLD AS SET**

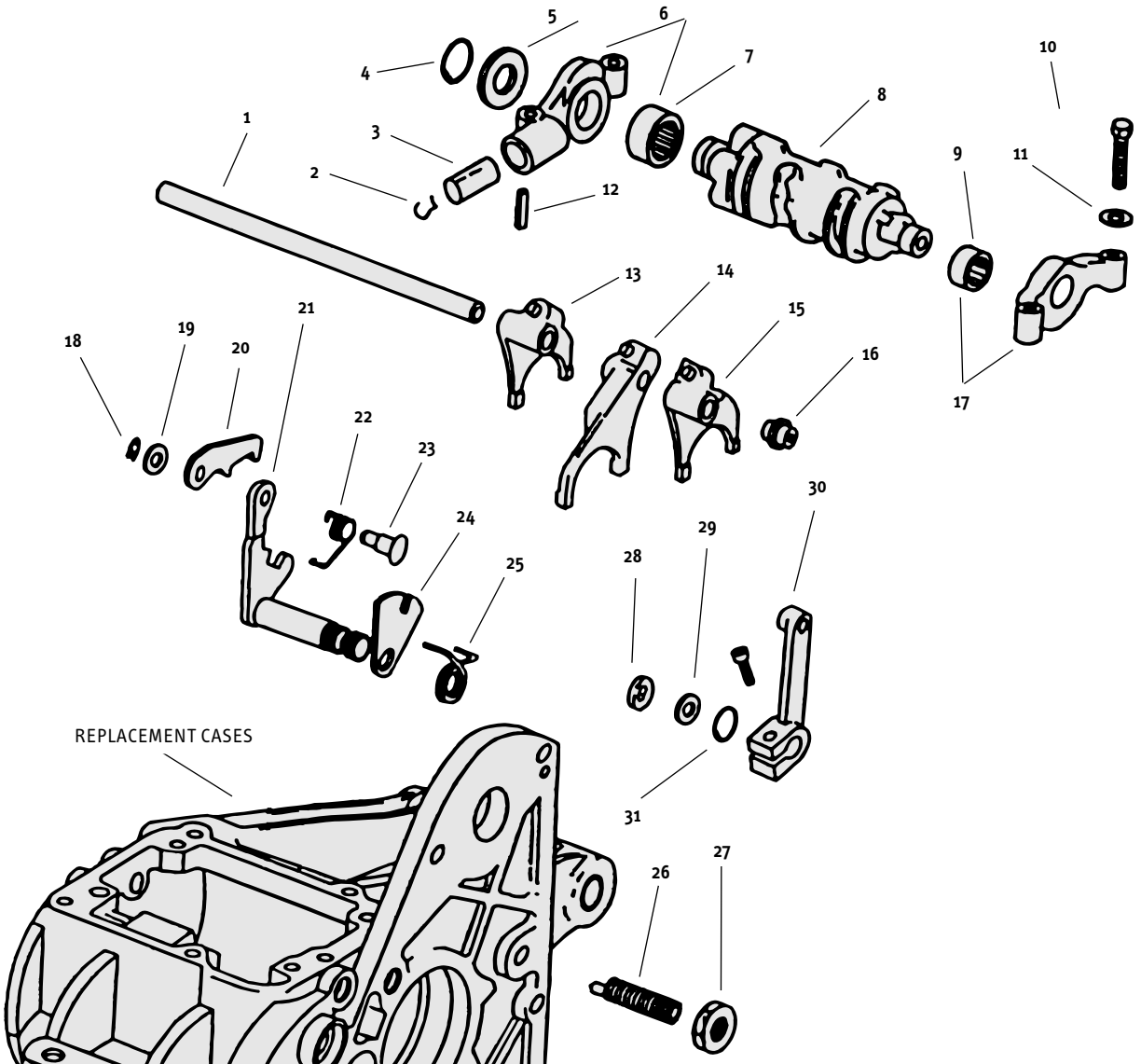
YEARS	CLOSE RATIO PART NO.
1991 & Later	**96-794**

C



5 SPEED SHIFTER PARTS 1985 & LATER

ALL PARTS SOLD EACH EXCEPT AS NOTED SEE SECTION 4 FOR FOOT & HAND SHIFT PEGS, LEVERS & RODS



1	**96-638**	SHIFTER FORK SHAFT FOR 1987 & LATER **U.S.A. MADE** (OEM 34088-87)
2	**96-771**	SPRING (OEM 34089-79)
3	**96-695**	CAM FOLLOWER (OEM 34085-79A)
4	**96-759**	RET. RING (OEM 11083)
5	**THRUST WASHERS**	
	96-761	0.017 THICK (OEM 33205-80)
	96-762	0.020 THICK (OEM 33206-80)
	96-763	0.022 THICK (OEM 33207-80)
	96-764	0.025 THICK (OEM 33208-80)
	96-765	0.028 THICK (OEM 33209-80)
	96-766	0.031 THICK (OEM 33210-80)
	96-767	0.035 THICK (OEM 33211-80)
	96-768	0.039 THICK (OEM 33212-80)
6	**96-698**	SUPPORT WITH BEARING (OEM 33332-79A)
7	**95-599**	RIGHT SHIFTER CAM BEARING. TORRINGTON (OEM 9114)
8	**96-715**	CHROME HORSE® SHIFT CAM U.S.A. MADE (OEM 33320-79D)
9	**95-600**	LEFT SHIFTER CAM BEARING. TORRINGTON (OEM 9115)
10	**96-791**	BOLT (OEM 3993)
11	**96-758**	WASHER (OEM 6736)
12	**96-789**	PIN (OEM 601)
13	**96-701**	SHIFTER FORK (OEM 34195-79D)
14	**96-699**	SHIFTER FORK (OEM 34191-79D)
15	**96-700**	SHIFTER FORK (OEM 34193-79D)
16	**96-790**	SCREW (OEM 3784)
17	**96-696**	SUPPORT WITH BEARING (OEM 33326-79A)
18	**96-774**	RET. RING (OEM 11016)
19	**96-751**	WASHER (OEM 6016)
20	**96-704**	PAWL (OEM 34086-79)
21	**96-630**	SHIFTER SHAFT LEVER FOR 1986 & LATER (OEM 34084-86)
22	**96-769**	SPRING (OEM 34083-79)
23	**96-702**	PIN (OEM 34082-79)
24	**96-703**	PLATE (OEM 35068-79)
25	**96-770**	SPRING (OEM 34087-79A)
26	**96-680**	ADJUSTING SCREW (OEM 33119-79B)
27	**96-681**	JAM NUT (OEM 7515)
28	**95-787**	SEAL (OEM 12045)
29	**96-757**	WASHER (OEM 6497HW)
30	**96-652**	SHIFTER ROD LEVER FOR 1985 & LATER 5 SPD. CHROME (OEM 33715-85)
31	**96-760**	RET. RING (OEM 11150)

TRANSMISSION PARTS FOR BIG TWIN 4 SPEED ALL YEARS & MODELS

ALL PARTS SOLD EACH EXCEPT AS NOTED. SEE PERFORMANCE GEARS

1	96-122	OIL DEFLECTOR FOR 1979 & EARLIER (OEM 33429-39)
	96-408	OIL DEFLECTOR FOR 4 SPD. 1980 & LATER (OEM 33429-80)
2	96-591	BEARING RETAINING PLATE FOR 1936/1979 (OEM 35111-36)
3	96-416	MAINSHAFT BEARING NUT FOR 4 SPD. 1941 & LATER (OEM 35046-36)
4	96-334	LOCKWASHER (OEM 35050-40)
5	95-151	BEARING (OEM 9020)
6	95-423	MAINSHAFT BEARING HOUSING FOR 1937/1979 (OEM 35100-36)
	95-424	MAINSHAFT BEARING HOUSING FOR 1980/1985 (OEM 35100-79)
7	96-164	LOW & 2ND GEAR, 17 X 20T, FOR FX 1974/1979 (OEM 35282-74)
	96-471	LOW & 2ND GEAR, 15 X 20T, FOR FL 1959/1984, AND FX 1971/1973 (OEM 35282-59)
8	95-411	MAINSHAFT BUSHING FOR ALL 4 SPD. BIG TWIN 1941/E 1980 (OEM 37436-36)
9	96-71	MAINSHAFT FOR 1941/1964 (OEM 35040-50)
	96-152	MAINSHAFT FOR 1965/1969 (OEM 35039-65)
	96-153	MAINSHAFT FOR 1970 & LATER (OEM 35039-80)
10	96-163	3RD GEAR, 23T, FOR 1959 & LATER (OEM 35306-59)
11	95-230	BUSHING (OEM 35322-38)
12	95-375	WASHER (OEM 35365-36)
13	96-226	RETAINING RING (OEM 35337-36)
14	96-159	CLUTCH, MAINSHAFT (OEM 35440-38)
15	95-425	COUNTERSHAFT BUSHING (STARTER SIDE) FOR 1937/E 1976 (OEM 36046-36)
	95-426	COUNTERSHAFT BUSHING (STARTER SIDE) FOR L 1976/1979 (OEM 36045-76)
16	95-427	COUNTERSHAFT BUSHING (CLUTCH SIDE) FOR 1937/E 1976 (OEM 36048-36)
	95-428	COUNTERSHAFT BUSHING (CLUTCH SIDE) FOR L 1976/1986 AND (STARTER SIDE) FOR 1980/1986 (OEM 36048-76A)
17	96-311	RETAINING RING (OEM 35129-36)
18	95-309	RACE. CHECK FOR PROPER FIT - MAY NEED TO BE HONED (OEM 35125-37)
	95-312	RACE FOR 1941/E 1977. (OEM 35125-37)
19	95-229	BUSHING FOR 1965 & LATER (OEM 35094-65)
20	96-432	ROLLER BEARING RETAINER WASHER FOR 1936/E 1977 (OEM 35131-36)
21	96-422	GEAR SPACER KEY FOR 1941/E 1977 (OEM 35175-38)
22	96-410	MAIN GEAR SPACER FOR 1941E 1977 (OEM 35171-37)
23	95-767	CORK (OEM 35231-36)
24	96-185	MAIN DRIVE GEAR, 26T, FOR L 1977/1981 USE WITH CAGED ROLLERS (OEM 35067-77)
25	95-327	OIL SEAL FOR L 1966/1981 (OEM 12022)
27	96-411	MAIN GEAR SPACER FOR LATE 1977/1979 (OEM 35070-77)
28	95-236	OIL SEAL FOR 4 SPD. 1941/E 1979 (OEM 35230-39)
	95-325	OIL SEAL FOR 4 SPD. L 1979/1981 (OEM 37741-67)
	95-783	OIL SEAL FOR 4 SPD. 1982/1985 (OEM 37741-82)
29	96-414	OIL DEFLECTOR PLATE FOR 1939/1964 (OEM 35159-39)
30	96-613	SCREW, BUMPER PLATE (OEM 1864B)
31	96-121	BUMPER PLATE (OEM 33353-36)
32	41-162	MAGNETIC 1/2-13 TRANS PLUG FOR BIG TWIN 4 SPD. 1941/1986 (OEM 707)
	41-983	1/2-13 TRANSMISSION PLUG. COLONY
33	41-25	WASHER. COLONY (OEM 62702-52)
34	96-590	TRANS STUDS: 1.625" LONG. FOR BOTTOM, FOR 1936/1983 (OEM 34724-36) SOLD AS PACK OF 4
36	78-447	GASKET FOR SPEEDO DRIVE (OEM 67141-36)
37	96-172	NUT (OEM 7911)
38	96-155	LOCK FOR 1936/1979 (OEM 33082-16)
39	96-479	COUNTERSHAFT END PLATE FOR 1941/1979 (OEM 35630-36)
40	96-231	ASSORTMENT OF THRUST WASHERS (OEM 35875-36) SOLD AS PKG.

THRUST WASHERS FOR H-D® 4 SPD. TRANSMISSION

THRUST WASHER ASSORTMENT, PART NO. **96-231** INCLUDES ONE EACH OF BELOW SIZES.

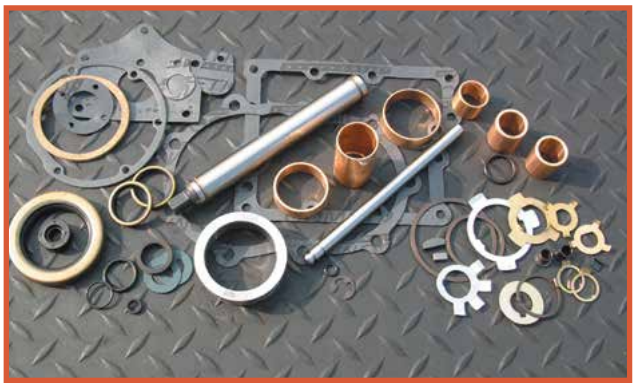
96-444	THRUST WASHER. .074 (OEM 35876-36)
96-445	THRUST WASHER. .078 (OEM 35877-36)
96-446	THRUST WASHER. .082 (OEM 35878-36)
96-447	THRUST WASHER. .085 (OEM 35879-36)
96-448	THRUST WASHER. .090 (OEM 35882-36)
96-449	THRUST WASHER. .095 (OEM 35883-36)
96-450	THRUST WASHER. .100 (OEM 35884-36)

41	96-162	1ST GEAR, 24T, FOR FX 1974 & LATER (OEM 35717-74)
	96-345	1ST GEAR, 26T, FOR FLH 1941 & LATER, AND FX 1971/1973 (OEM 35765-36)
42	95-232	BUSHING (OEM 35789-36)
43	95-384	THRUST WASHER (OEM 35812-36)
44	96-158	COUNTERSHAFT CLUTCH (OEM 35665-36)
45	96-312	RETAINING RING (OEM 35810-36)
46	95-376	WASHER (OEM 35811-36)
47	96-166	2ND GEAR, COUNTERSHAFT, 21T, FOR 1936/1979 (OEM 35751-36)
48	—	BUSHING (OEM 35791-36)
49	95-372	COUNTER SHAFT BEARING FOR L 1976 & LATER (OEM 35961-52)
50	96-473	RETAINING RING FOR 1941/E 1976 OEM 35920-36)
51	96-165	COUNTERSHAFT GEAR, 15T & 17T, FOR FX 1976/1983, AND FLH 1981/1984 (OEM 35716-76T) - CAGE BEARING
	96-286	COUNTERSHAFT GEAR, 15T X 17T, FOR FLH 1969/E 1976, AND FX 1971/1976. NO SPEEDO DRIVE GEAR (OEM 35713-36T) - LOOSE BEARING
52	95-382	INNER THRUST WASHER (OEM 35917-36)
53	95-383	OUTER THRUST WASHER (OEM 35915-36)
54	96-19	COUNTERSHAFT FOR 1941/E 1976 (OEM 35614-65)
	96-160	COUNTERSHAFT FOR L 1976/ 1979 (OEM 35614-76)
	96-257	COUNTERSHAFT FOR 1980 & LATER (OEM 35614-80)
55	95-798	O-RING FOR 1965 & LATER (OEM 1115)

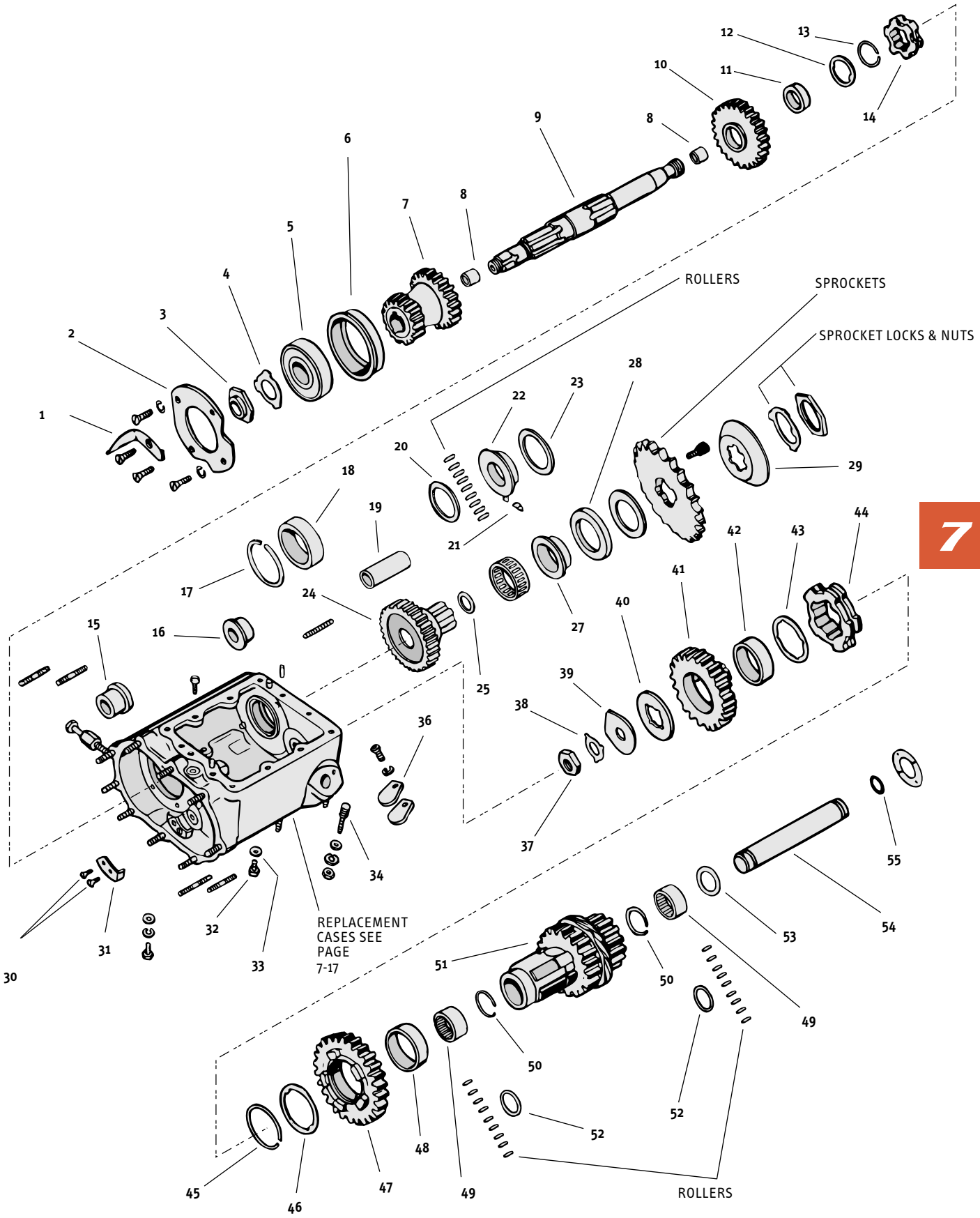
REBUILD KITS FOR BIG TWIN 4 SPEED TRANSMISSION

For all 4 speed transmissions 1936 thru 1986. We use Jims proven transmission parts to start with, then top off with a James Gasket Set. All together in one neat package, it is a big time saver. **NOTE:** Pre 1977 kits include a standard size race, OEM 35125-37.

96-581	Fits 1936 thru early 1976.	SOLD AS KIT
96-582	Fits late 1976 thru early 1977.	
96-583	Fits late 1977 thru 1979.	
96-584	Fits 1980 thru 1986.	



TRANSMISSION PARTS FOR BIG TWIN 4 SPEED ALL YEARS & MODELS



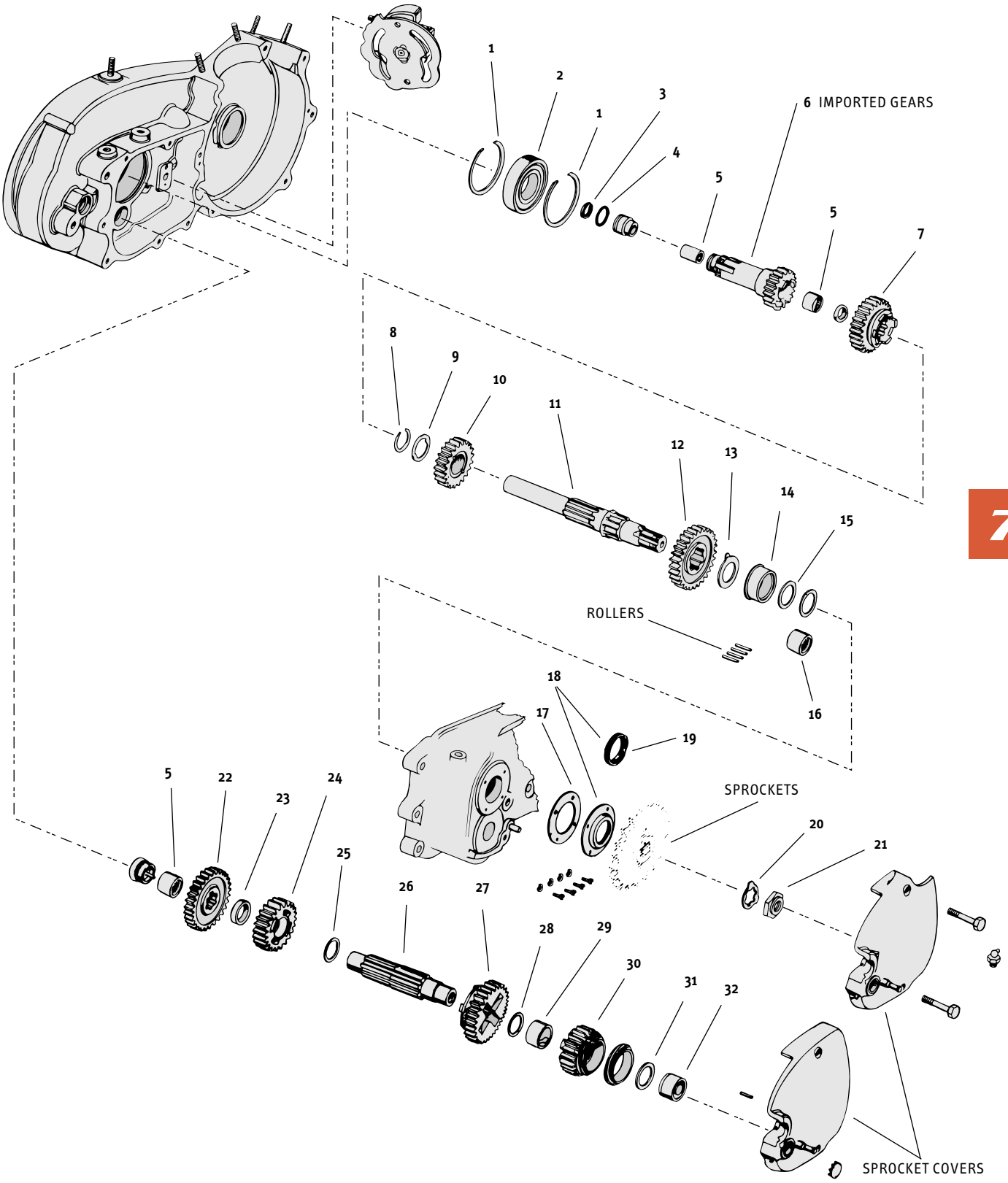
TRANSMISSION PARTS FOR SPORTSTER® & KH MODELS ALL MODELS 1990 & EARLIER

ALL PARTS SOLD EACH EXCEPT AS NOTED

1	**96-586**	RETAINING RING 1952/1985 (OEM 35112-52)
2	**95-316**	BEARING (OEM 9025 & 37906-84)
3	**95-770**	OIL SEAL (OEM 37531-56B)
4	**95-322**	O-RING (OEM 11103)
5	**95-372**	NEEDLE BEARING 1954 & LATER (OEM 35961-52)TWO REQUIRED FOR LATE 1984 & LATER
6	—	STOCK RATIO CLUTCH GEAR 1971/1978. IMPORTED (OEM 37448-71)
7	**96-69**	2ND GEAR 23 TEETH (OEM 35296-56)
8	**96-483**	RETAINING RING 1956 & LATER (OEM 35337-56)
9	**96-503**	THRUST WASHER MAINSHAFT 3RD GEAR (OEM 35364-56)
10	**96-70**	3RD GEAR 20 TEETH (OEM 35305-56)
11	**96-313**	MAINSHAFT KH, XL, XLH, XLCH 1956/1966, XLCH (ENG. NO. 56KH-1465) 1967/1969
	96-315	MAINSHAFT XLH, XLCH 1971/MID 1984 (OEM 35046-71A)
12	**96-169**	LOW GEAR 27 TEETH (OEM 35277-52A)
13		**U.S.A. MADE** THRUST WASHERS FOR MAINSHAFT RIGHT 1986 & LATER
	96-521	.0965". (OEM 35380-84)
	96-522	.0905" (OEM 35381-84)
	96-523	.0845" (OEM 35382-84)
	96-524	.0795" (OEM 35383-84)
	96-525	.0727" (OEM 35384-84)
	96-526	.0675" (OEM 35385-84)
14	**96-281**	RACE (OEM 35105-52)
15	**96-502**	THRUST WASHER MAINSHAFT ROLLER BEARING (OEM 35362-52)
16	**95-601**	RIGHT MAIN SHAFT CASE BEARING LATE 1984/1990. TORRINGTON (OEM 9118)
17	**95-766★**	GASKET FOR SPORTSTER® 1952/1983 (OEM 35169-52) SOLD AS PKG. OF TEN
18	**77-170**	SEAL & RETAINER KIT EARLY 1984 & EARLIER (OEM 35150-52) SOLD AS KIT
19	**95-328**	OIL SEAL 1954/E 1984 (OEM 35151-52A)
	95-324	OIL SEAL L 1984 & 1985 (OEM 35151-74)
	95-735	OIL SEAL 1986/1990 (OEM 12049)
20	**94-133**	LOCK (OEM 35050-52)
21	**96-482**	MAINSHAFT NUT 1954/1970 (OEM 35047-53)
	96-338	MAINSHAFT NUT 1971 & LATER (OEM 35047-71A)
22	**96-236**	DRIVE GEAR 27 TEETH (OEM 35695-58)
23	**96-505**	COUNTERSHAFT SPACER (OEM 35809-58)
24	**96-327**	2ND GEAR 20 TEETH (OEM 35750-58)
25	—	THRUST WASHER 2ND GEAR (OEM 35841-58)
26	**96-234**	COUNTERSHAFT 1956/MID 1984 (OEM 35613-58)
27	**96-265**	3RD GEAR 23 TEETH (OEM 35709-54A)
28		**U.S.A. MADE** THRUST WASHERS FOR COUNTERSHAFT LOW GEAR LEFT 1955/EARLY 1984
	96-498	.065" (OEM 35840-52)
	96-499	.075" (OEM 35836-55)
	96-500	.085" (OEM 35838-55)
	96-501	.100" (OEM 35839-55)
29	**95-394**	NEEDLE BEARING LATE 1984 & LATER (OEM 8888)
30	**96-474**	COUNTERSHAFT LOW GEAR 1973/E 1984 (OEM 35760-73)
31		U.S.A MADE THRUST WASHERS FOR COUNTERSHAFT LOW RIGHT 1954/1985
	96-486	.020" (OEM 35818-72)
	96-487	.025" (OEM 35327-73)
	96-488	.030" (OEM 35819-72)
	96-489	.035" (OEM 35328-73)
	96-490	.040" (OEM 35821-72)
	96-491	.045" (OEM 35329-73)
	96-492	.050" (OEM 35820-52)
	96-493	.055" (OEM 35821-52)
	96-494	.060" (OEM 35824-52)
	96-495	.065" (OEM 35825-52)
	96-496	.070" (OEM 35828-52)
	96-497	.075" (OEM 35829-52)
32	**95-395**	CLOSED END BEARING 1954 & LATER (OEM 35960-54)

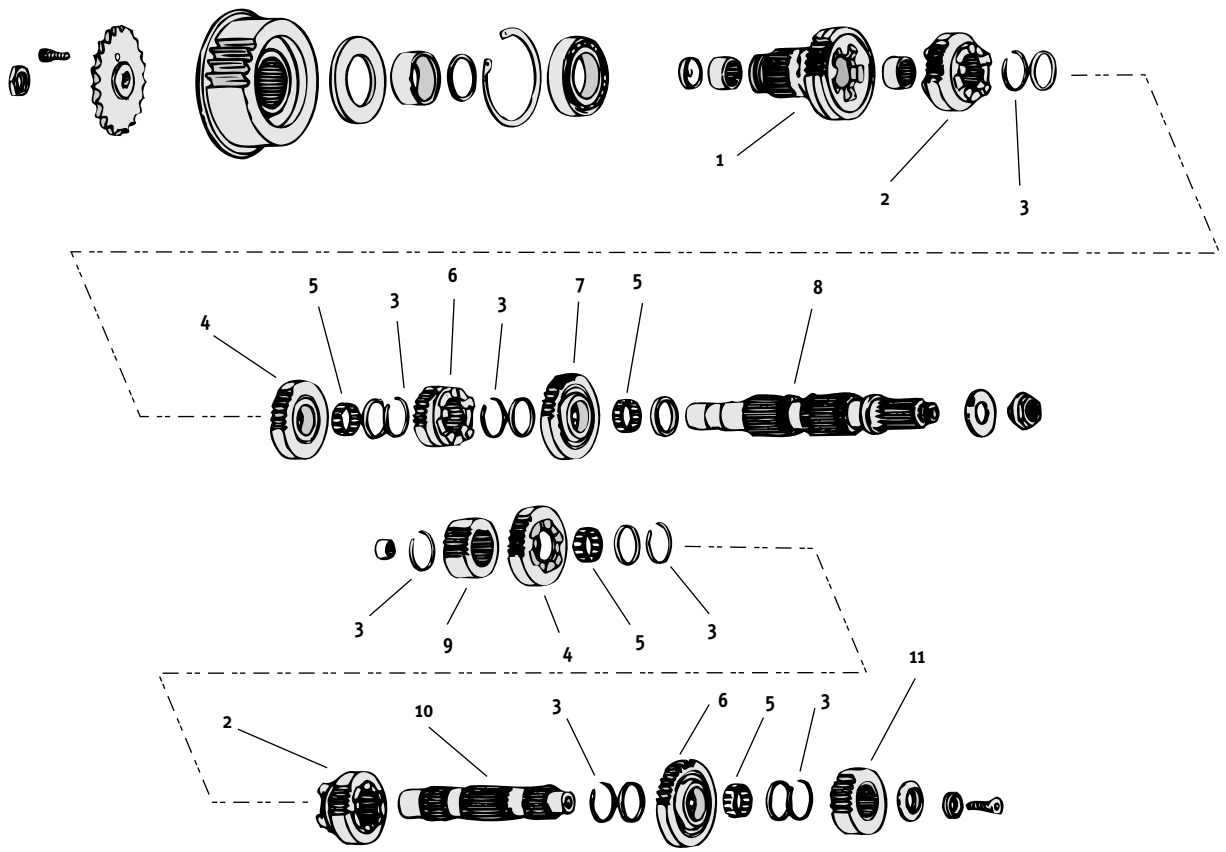
TRANSMISSION PARTS FOR SPORTSTER® & KH MODELS ALL MODELS 1990 & EARLIER

AL PARTS SOLD EACH EXCEPT AS NOTED



TRANSMISSION PARTS FOR 5 SPEED SPORTSTER® 1991 & LATER

AL PARTS SOLD EACH EXCEPT AS NOTED



1	**96-572**	MAIN DRIVE GEAR. ANDREWS (OEM 35034-89)
2	**96-570**	2ND MAIN 3RD COUNTER GEAR ANDREWS (OEM 35771-89)
3	**96-621**	RETAINING RING (OEM 11067)
4	**96-571**	3RD MAIN 2ND COUNTER GEAR. ANDREWS (OEM 35772-89)
5	**96-608**	BEARING (OEM 8876A) SOLD EACH
6	**96-574**	2.61 CLOSE RATIO 1ST GEAR SET. ANDREWS. SOLD AS SET
7	**96-575**	4TH MAIN. ANDREWS (OEM 35773-89)
8	**96-577**	MAINSHAFT. ANDREWS (OEM 35640-89)
9	**96-573**	COUNTER DRIVE GEAR. ANDREWS (OEM 35633-89)
10	**96-578**	COUNTER SHAFT. ANDREWS (OEM 35641-89)
11	**96-576**	4TH COUNTER GEAR. ANDREWS (OEM 35775-89)

A. ANDREWS STOCK MAIN DRIVE & COUNTER SHAFT GEAR FOR SPORTSTER®

96-395	Counter shaft gear, 27T. OEM 35695-58.	SOLD EACH
96-319	Clutch gear for 1971 thru 1978, 17T. OEM 37448-71.	
96-380	Clutch gear for 1979 thru mid 1984. OEM 37448-79.	



96-319



96-380



96-395

ANDREWS

A. *ANDREWS STOCK 1ST GEARS FOR SPORTSTER®*

96-389 Main 1st, 27T. OEM 35277-52A. SOLD EACH
96-390 Counter 1st, 17T, for late 1973 thru 1985. To fit 1986 & later requires early countershaft part No. 96-402 (below). OEM 35760-73.

B. *ANDREWS STOCK 2ND GEARS FOR SPORTSTER®*

96-392 2nd Counter, 20T. OEM 35750-58 and 58A. SOLD EACH

C. *ANDREWS "C" RATIO MAIN DRIVE GEARS FOR SPORTSTER® 1971 THRU 1987*

"C" gears provide true close ratio shifting for Sportster® gearboxes. From 1987 on, all 4 speed Sportsters® have "C" ratio main drive gears as stock parts. Gear ratios listed for comparison:

	Stock Ratios	"W" Ratios[1]	"W" Ratios[2]	"C" Ratios
1st	2.52	2.68	2.44	2.29
2nd	1.83	1.83	1.66	1.66
3rd	1.38	1.38	1.26	1.26
4th	1.00	1.00	1.00	1.00

NOTE 1: "W" Ratio 1st plus stock main drive (27/17 teeth).
NOTE 2: "W" Ratio 1st plus "C" ratio main drive (26/18 teeth).

SOLD AS SET
96-399 "C" Ratio main drive gears for 1971 thru 1978. 18/26T.
96-400 "C" Ratio main drive gears for 1979 thru mid 1984.
96-396 Counter shaft gear. 26T. SOLD EACH

D. *ANDREWS WIDE RATIO 1ST GEARS FOR SPORTSTER®*

Changes 1st from 2.52 ratio to 2.68 for more low end torque with 21T or 22T trans sprockets.

96-545 For late only, 1973 thru 1985. To fit 1986 & later requires early counter shaft part No. 96-402 listed to the right. SOLD EACH

E. *ANDREWS TRANSMISSION SHAFTS FOR SPORTSTER®*

Standard replacement transmission shafts for Sportster® are made of a super alloy material for maximum strength & durability of this most critical part.

96-402 Counter shaft for 1956 thru mid 1984. OEM 35613-58. SOLD EACH
96-403 Mainshaft for 1956 thru 1969 kick start. OEM 35044-56.
96-404 Mainshaft for 1971 thru mid 1984. OEM 35045-71.

F. *ANDREWS 1ST GEAR SET FOR 74" & 80"*

Original stock ratio. Stock replacement 1st cluster and countershaft gears. For heavy bikes 1959 thru 1984. Cluster gear has 15T & 20T; counter has 26T.

96-648 3.00 1st Gear set. SOLD AS SET

A

96-389

96-390

ANDREWS

B

96-392

C

96-396

96-400


96-399

7

ANDREWS

D


E

96-402

96-403

96-404

F


A



96-649

B



96-162

C



SMALL



LARGE

D



E



SMALL



LARGE

F



G



96-689

H



96-25

CHROME PLATED

G. *ANDREWS GEAR SETS FOR 4 SPEEDS*

Kits include the following: 1st, 2nd, 3rd, and 4th counter and main, shift clutches and forks. **NOTE:** You must order main and counter shafts separately! 1936 Thru 1976 uses loose rollers.

96-689 Set with 2.44 1st gear, 1.35 3rd gear. SOLD AS SET
96-690 Set with 2.60 1st gear, 1.35 3rd gear.

H. *TRANSMISSION ADJUSTING KITS*

Designed to help adjustment & alignment of the trans mainshaft parallel to the engine sprocket shaft. Can be used with tin primaries or open belt drives. Holds the transmission in place with jam nuts. For all Big Twin 4 speeds 1958 thru 1986, except Softail®.

96-25 Single adjuster. SOLD AS KIT

A. *ANDREWS STOCK 3RD GEAR, 1.23 RATIO FOR 74" & 80" 4 SPEEDS*

Replacement for stock main 3rd and counter shaft 3rd. Design of drive slots on **MAINSHAFT** gear has been upgraded to include lead-in ramps for quicker, more positive shifting.

96-649 Mainshaft 3rd gear for 1936 thru 1958. OEM 35306-36. SOLD EACH

B. *MIDWEST CLOSE RATIO 1ST GEAR SETS FOR BIG TWIN 1984 & EARLIER 4 SPEED*

Midwest gear sets exceed OEM specifications & the products are warranted 100% against defects in materials or workmanship. Make that Hog® gear-box shift like a Sportster®. Faster acceleration thru 1st & 2nd. A must for all performance 74"s.

96-164 Low and 2nd gear. 17 x 20T. SOLD EACH
96-162 Low gear counter shaft. 24T. SOLD EACH

***NOTE**: 1936 Thru 1958 must use OEM 35306-59 mainshaft 3rd. 1980 Thru 1984 must use OEM 35751-36 2nd gear.
2.44:1 Recommended for lighter bikes (FX).
2.60:1 Recommended for heavier bikes (FLH).

C. *ANDREWS TRANSMISSION SHIFT CLUTCHES FOR 74" & 80"*

Replacement clutches are specially heat treated & shot peened for super durability. 3 - 4 Clutches are face milled & have longer lead-in ramps for more positive shifts.

96-354 1 -2 Clutch (large). OEM 35665-36. SOLD EACH
96-355 3 - 4 Clutch (small). OEM 35440-38.

D. *ANDREWS TRANSMISSION COUNTER SHAFTS FOR 74" & 80" 4 SPEED*

Replacement counter shafts for transmissions 1985 & earlier. They are not interchangeable, so be sure to order correct application.

96-384 Fits 1941 thru early 1976. OEM 35614-65. Single groove. SOLD EACH
96-385 Fits late 1976 thru 1979. OEM 35614-77. Two groove.

E. *ANDREWS TRANSMISSION SHIFT FORKS FOR 74" & 80"*

One piece cold forged forks are more heavily made with wider sections for greater strength & durability. Fully heat treated & finished in black oxide, they are also stamped with Andrews' name so you know where they come from. A must for all transmission rebuilds.

96-358 1 - 2 Fork (large). OEM 34159-36. SOLD EACH
96-359 3 - 4 Fork (small). OEM 34158-36.

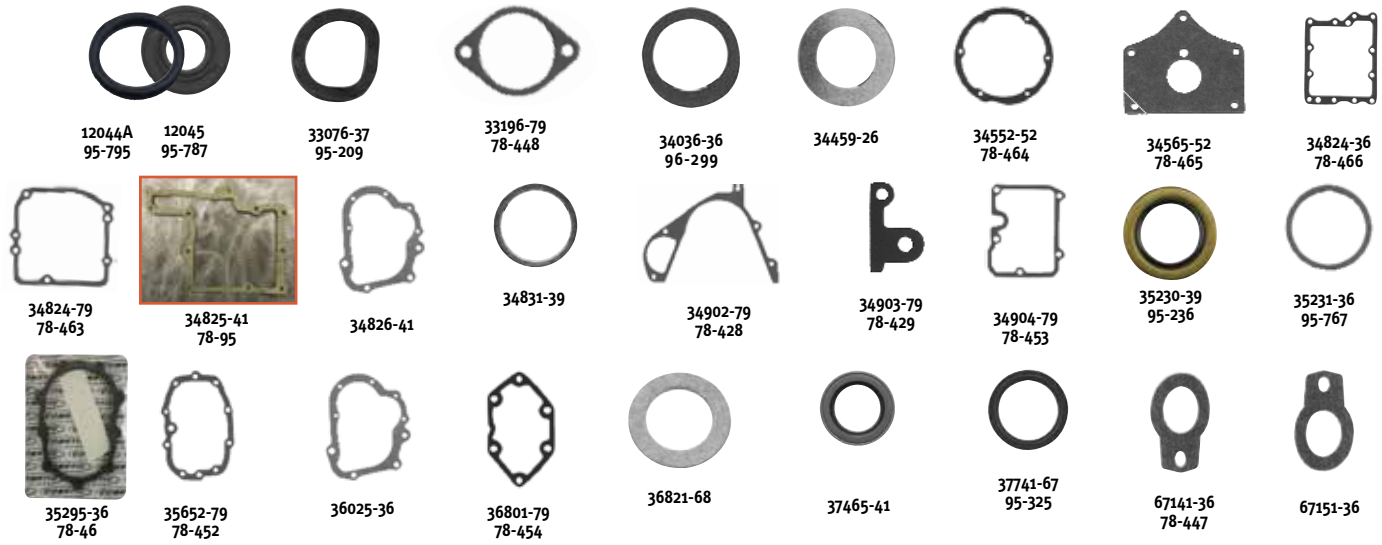
F. *ANDREWS TRANSMISSION MAINSHAFTS FOR 74" & 80" 4 SPEED*

Replacement mainshafts for all versions of Big Twin 4 speed boxes. Made from aircraft alloy steel with heat treatment & finish grinding to ensure maximum durability.

96-386 Fits 1937 thru 1964. OEM 35040-50 SOLD EACH
96-387 Fits 1965 thru 1969. OEM 35039-65.
96-388 Fits 1970 thru early 1985, chain drive only or aftermarket belt drive. OEM 35039-70A.
96-650 Fits 1985 & 1986, belt drive. OEM 35039-85.

TRANSMISSION GASKET REFERENCE

Some of the gaskets and seals in our transmission sets are **SOLD EACH** and some are **SOLD AS PKG** (with various quantities). Order by the Midwest part number indicated below the OEM number on the chart below; ask your sales rep how they're sold. IF THERE IS NO MIDWEST PART NUMBER THEN THAT PART IS NOT AVAILABLE. PARTS NOT SHOWN TO SCALE.



PART NO.	YEAR	APPLICATION	REPLACES OEM NO.
77-349	1970 thru early 1979	Big Twin.	33031-70
77-350	late 1979 thru 1982	Big Twin 4 speed.	33031-80
77-351	1980 thru early 1984	Big Twin 5 speed.	33031-82
77-352	late 1984 thru 1992	Big Twin (except FLT & Dyna®).	33031-85
77-353	1991 & later	Dyna® and FXDB-S.	33031-91
77-354	1993 thru 1998	Evolution® FLT, FXR, Dyna® & Softail®.	33031-93
77-399	1999	TC88™ Dyna®.	
77-400	1999	TC88™ FLT.	
77-482	2006 & later	Dyna® models.	
77-483	2007 & later	Softail® models.	
77-484	2007 & later	FL models.	

COMETIC GASKET

COMPLETE TRANSMISSION GASKET KITS

Contains all of the necessary gaskets, seals, and O-rings to completely rebuild the transmission. Contains end cover and top cover gaskets and all washers needed.

SOLD AS KIT

7

TRANSMISSION GASKETS FOR BIG TWIN
1936 THRU 1964

Various gaskets for those early Knuckles, Pans and Flathead transmissions (fits FL, FLH, U, UL, ULH & EL, 1936 thru 1964. Some gaskets are **SOLD EACH** and some are **SOLD AS PKG**. Ask your sales rep.

QTY.	OEM NO.	MIDWEST PART NO.	DESCRIPTION
1	11115	95-798	Counter shaft O-ring.
1	33076-37	95-209	Starter shaft seal.
1	33295-36	78-46	Kicker cover gasket.
2	34036-36	96-299	Shifter shaft seals.
1	34552-52	78-464	Shifter cover gasket.
1	34565-52	78-465	Shifter cover gasket (inner).
1	34824-36	78-466	Top cover gasket.
1	35230-39	95-236	Main drive gear oil seal.
1	35231-36	95-767	Cork washer.
1	67141-36	78-447	Speedometer drive gasket.

TRANSMISSION GASKETS FOR BIG TWIN
1965 THRU 1969

Various transmission gasket & seals for pre-1970 models — early model Shovel and the last year Pan (fits FL & FLH 1965 thru 1969). Some gaskets are **SOLD EACH** and some are **SOLD AS PKG**. Ask your sales rep.

QTY.	OEM NO.	MIDWEST PART NO.	DESCRIPTION
1	11115	95-798	O-ring counter shaft.
1	12014	95-778	Oil seal clutch hub nut.
1	12022	95-327	Mainshaft oil seal.
1	33076-37	95-209	Starter crankshaft seal.
1	33295-36	78-46	Kicker cover gasket.
2	34036-36	96-299	Shifter shaft seals.
1	34552-52	78-464	Shifter cover gasket.
1	34565-52	78-465	Shifter cover gasket (inner).
1	34824-36	78-466	Top cover gasket.
1	35230-39	95-236	Main drive gear oil seal.
1	35231-36	95-767	Cork washer.
1	67141-36	78-447	Speedometer drive gasket.

TRANSMISSION GASKETS FOR BIG TWIN 1970 THRU 1979

Made just for 1970 thru 1979 models (fits FL, FLH, FLH-80, FX & FXS, 1970 thru 1979. Some gaskets are **SOLD EACH** and some are **SOLD AS PKG**. Ask your sales rep.

QTY.	OEM NO.	MIDWEST PART NO.	DESCRIPTION
1	11115	95-798	Counter shaft O-ring.
1	12014	95-778	Oil seal clutch hub nut.
1	12018	95-223	Inner chain cover oil seal.
1	12022	95-327	Oil seal, MAINSHAFT.
1	33076-37	95-209	Starter crankshaft seal.
1	33295-36	78-46	Kicker cover gasket
1	34552-52	78-464	Shifter cover gasket.
1	34565-52	78-465	Shifter cover gasket (inner).
1	34824-36	78-466	Top cover gasket.
1	35230-39	95-236	Main drive gear2-lip oil seal.
1	35231-36	95-767	Oil seal cork washer*.
1	35607-73	—	Speedo plate gasket, FX & FXE.

***NOTE:** OEM No. 35231-36 cork washer is not used on late 1977 & later transmissions. Please discard this part if not needed.

TRANSMISSION GASKETS FOR BIG TWIN 4 SPEED 1980 & LATER

Various gaskets for the 1980 & later 4 speed 80" transmission. The changes include new top plate gasket, shifter cover gasket and oil seal, smaller main drive gear oil seal, and new shifting fork shaft oil seal (fits 4 speed FL, FLH, FLH-80, FX, FXS & FXE/F, 1980 & later). Some gaskets are **SOLD EACH** and some are **SOLD AS PKG**. Ask your sales rep.

QTY.	OEM NO.	MIDWEST PART NO.	DESCRIPTION
1	11115	95-798	O-ring, counter shaft.
1	12010	—	Shifter cover oil seal.
1	12014	95-778	Oil seal, clutch hub nut.
1	12022	95-327	4th Gear seal.
1	33076-37	95-209	Oil seal, kicker cover.
1	33196-79	78-448	Gasket, shifter cover.
1	33295-36	78-46	Gasket, kicker cover.
2	34036-36	96-299	Shifter shaft seals.
1	34824-79	78-463	Top cover gasket.
1	37741-67	95-325	Oil seal, main drive.
1	67141-36	78-447	Gasket, speedometer drive gear.

TRANSMISSION GASKETS FOR H-D®45" SOLO & SERVI-CAR 1941 THRU 1973

Transmission gaskets for the 45" V-Twins. Used on Solo & Servi-Cars 1941 thru 1973. SOLD EACH

QTY.	OEM NO.	MIDWEST PART NO.	DESCRIPTION
1	34825-41	78-95	Top plate cover gasket.

TRANSMISSION GASKETS FOR BIG TWIN 5 SPEED FLT, FLHT, FXR & FXRS, 1980 THRU 1984

Various gaskets for 5 speed transmission 1979 thru 1984. Some gaskets are **SOLD EACH** and some are **SOLD AS PKG**. Ask your sales rep.

QTY.	OEM NO.	MIDWEST PART NO.	DESCRIPTION
1	12013	—	Drive gear seal.
1	12014	95-778	Clutch nut seal.
1	12045	95-787	Shift shaft seal.
1	25811-11	—	Fiber washer.
1	34902-79	78-428	Inner primary cover gasket.
1	34903-79	78-429	Chain cover gasket.
1	34904-79	78-453	Top cover gasket.
1	35652-79	78-452	Bearing housing gasket. Pkg10
1	35652-79	78-452A	Bearing housing gasket. EA
1	36801-79	78-454	Release cover gasket.

TRANSMISSION GASKETS FOR ALL BIG TWIN 5 SPEED 1985 & LATER

Various gaskets for 5 speed transmission 1985 & later. Some gaskets are **SOLD EACH** and some are **SOLD AS PKG**. Ask your sales rep.

QTY.	OEM NO.	MIDWEST PART NO.	DESCRIPTION
2	34036-36	96-299	Shifter shaft seals.
1	12045	95-787	Shift shaft seal.
1	12050	95-736	Mainshaft seal.
1	12051	95-788	Trans to starter seal.
1	12052	95-380	Inner primary seal.
1	34902-79	78-428	Inner primary cover gasket.
1	34903-79	78-429	Chain cover gasket.
1	34904-79	78-485	Top cover gasket.
1	34904-86	78-461	Top cover gasket. EA
1	34904-86	78-461A	Top cover gasket. EA
1	35652-79	78-452	Bearing housing gasket. Pkg.10
1	35652-79	78-452A	Bearing housing gasket. EA
1	36801-79	78-454	Release cover gasket.
1	36801-87	78-455	Release cover gasket. Pkg 10
	36801-87	78-455A	Release cover gasket. EA

4 SPEED ADAPTER PLATE

This plate was made to adapt a 4 speed transmission to our part No. **85-183** 5 speed frame shown above. Can be used on most frames that have a 5 speed transmission plate welded in place.

96-926 4 Spd. transmission adapter plate. SOLD EACH



A. *OFFSET TRANSMISSION BASE PLATES*

BIG TWIN 5 SPEED
Offset transmission base plates help move the driveline over to the left for use with wide tires when being used with rear belt drives.

96-838 1/4" Offset plate. SOLD EACH
96-840 1/2" Offset plate.
96-862 3/4" Offset plate.
96-850 1" Offset plate.

A



5 SPEED

B



96-612 CHROME PLATED

B. *TRANSMISSION MOUNTS*

Reproduction of early style H-D® trans mounting plate. Solid steel laminated 1/2" thick. Chrome plated. Works on rigid or swing arm frames. Replaces OEM 47698-36A & 47698-65.

96-612 Fits 1986 & later Softail® models. SOLD EACH
Replaces OEM 47698-86B.

C



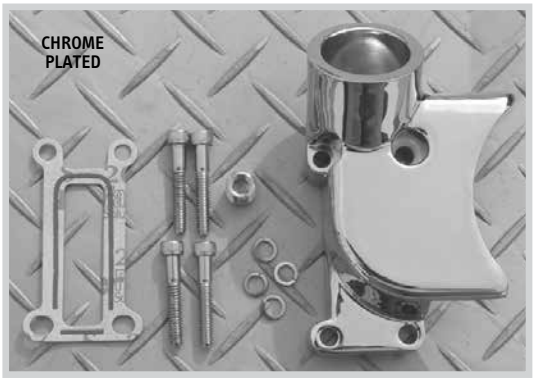
CHROME PLATED

C. *CHROME BILLET GEAR BOX BREATHER*

Our new gearbox breather is fully machined from billet aluminum and then show chrome plated. Simple — just install to your existing gearbox overflow vent hose. Sponge inside holds excess oil and keeps it away from the rear wheel & tire.

25-107 Golan Products billet gearbox breather. SOLD EACH

D



D. *OIL TANK FILLER SPOUT FOR ROAD KING® & FLH*

89-11 Fits 1993 & later Road King®, FLHT & FLTR. SOLD EACH
Comes with mounting hardware and gasket. Replaces OEM 62470-02.
NOTE: Can not be used with digital oil temp dipstick on 1993 thru 1998 models.

E



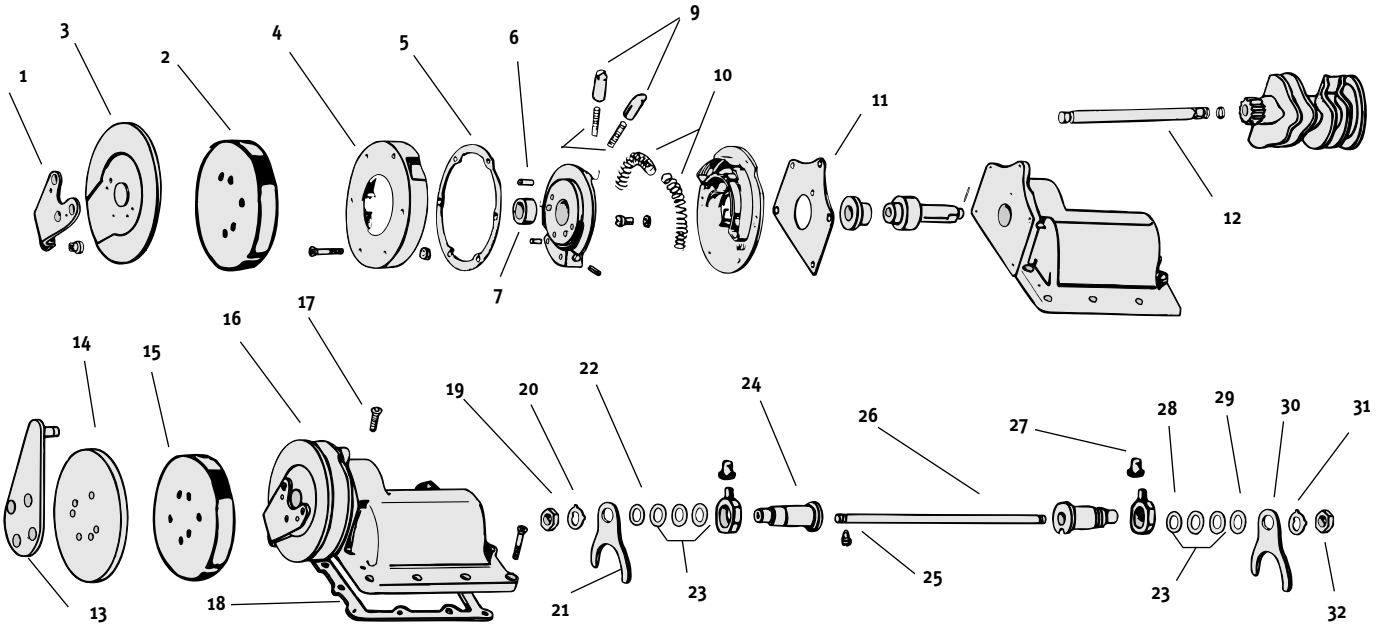


77-884

E. *FLT OIL SPOUT SPACER*

89-14 15/16" spacer for FLT oil spout/filler. Spaces filler spout out farther to clear a larger starter. Gaskets and hardware not included. SOLD EACH
77-884 93'-99 FLT Oil Filler Spout Gasket, OEM 62432-93. SOLD EACH

SHIFTER PARTS FOR BIG TWIN 1936 THRU EARLY 1979 ALL PARTS SOLD EACH EXCEPT AS NOTED



7 A



A. COMPLETE RATCHET TOP ASSEMBLIES

For 1952 thru early 1979. Replaces OEM 34799-65

96-464 With chrome plated cover. SOLD AS KIT

B

PLAIN METAL


17-72


17-703


17-701

17-702

B. TRANSMISSION NEUTRAL SWITCHES

17-72 Replaces OEM 33900-59. Fits FL & FLH 1959 thru 1964, FX late 1973 thru early 1979, FXST 1986, FLT/FXR/FXST/FLST 1987-1997, XL 1986-1998.

17-703 Replaces OEM 33901-79. Fits Big Twin 4 speed 1979 & later.

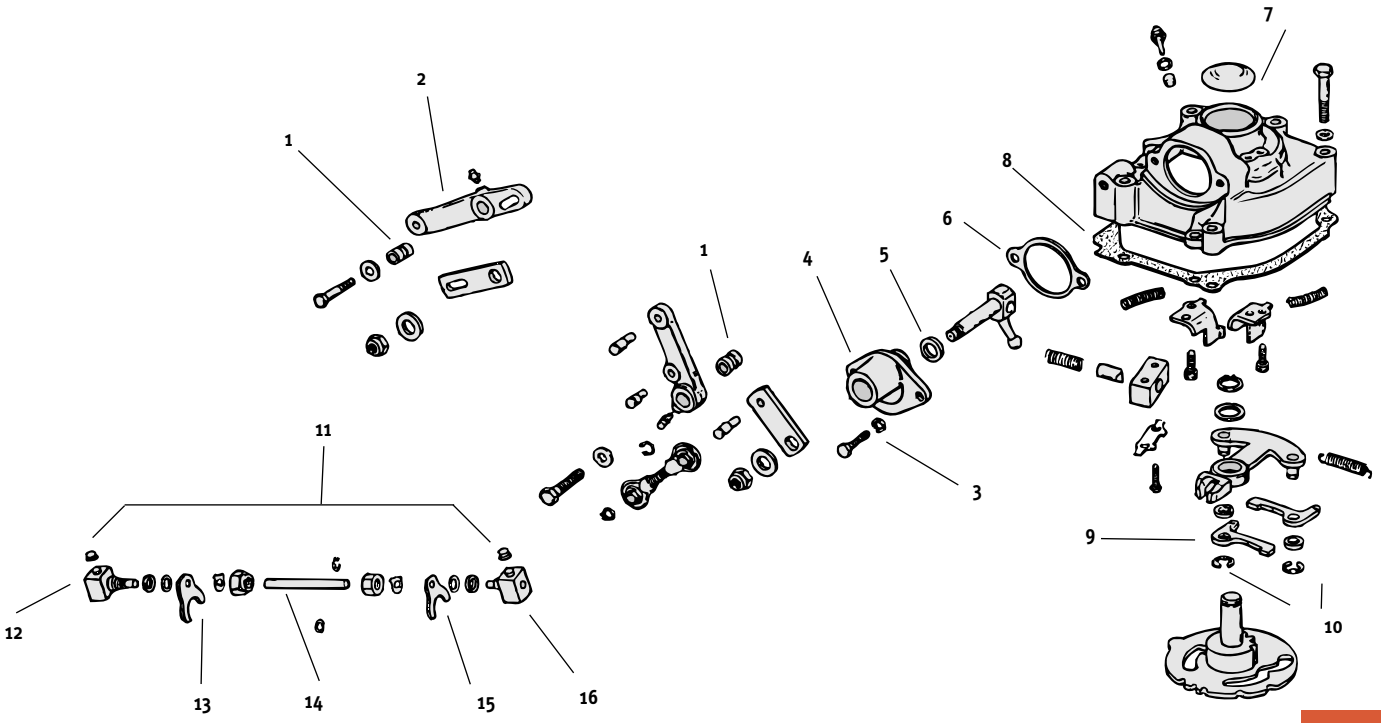
17-702 Replaces OEM 33904-00. Fits Softail® 2000/2006, 2001/2005 Dyna® and Touring models 2001/2006.

17-701 Replaces OEM 33902-98. Fits Softail® 1998/2000, Dyna® and FLT 1998 thru 2000, and V-Rod 2008.

1	47-63	LEVER. CHROME (OEM 34447-52)
2	89-214	FULL DUST COVER FOR FLH 1952/EARLY 1979. CHROME
3	96-108	DUST COVER FOR FLH 1952/EARLY 1979. CHROME (OEM 34555-52)
4	96-268	COVER (OEM 34551-52)
5	78-464	GASKET (OEM 34552-52)
6	—	CARRIER PIN FOR 1952/EARLY 1979 (OEM 9106A)
7	96-792	BUSHING (OEM 34498-52)
9	96-555	SHIFTER PAWLS LEFT OR RIGHT LATE 1975/1979 (OEM 34478-75) ALSO USED ON MIDWEST RATCHET TOP PART NO. **96-464**. SOLD AS PAIR
	96-100	SHIFTER PAWL LEFT FOR 1952/EARLY 1975 (OEM 34477-53) SOLD EACH
	96-101	SHIFTER PAWL RIGHT FOR 1952/EARLY 1975 (OEM 34478-53) SOLD EACH
10	96-550	SPRING FOR 1952/EARLY 1979 (OEM 34500-52A)
11	78-465	GASKET (OEM 34565-52)
12	96-434	SHIFTER CAM SHAFT FOR 1952/EARLY 1979 (OEM 34031-41)
13	47-160	FOR FX 1974/EARLY 1979. CHROME (OEM 34447-74)
14	96-539	DUST COVER FOR FX 1974/EARLY 1979 (OEM 34555-74)
15	89-215	FULL DUST COVER FOR SUPER GLIDE® 1974/EARLY 1979. CHROME
16	96-464	CHROME COMPLETE RATCHET TOP ASSY. FOR 1952/EARLY 1979 (OEM 34799-65) SOLD AS KIT
17	96-201	SCREW (OEM 2333W) USE TWO
18	78-466	GASKET (OEM 34824-36)-SOLD AS PKG
	78-47	GASKET (OEM 34824-36)-SOLD EACH
19	96-421	SHIFTER FORK NUT FOR 1941/EARLY 1979 (OEM 34179-33)
20	96-413	SHIFTER FORK LOCK FOR ALL 4 SPD. (OEM 34180-33)
21	96-130	COUNTER SHAFT SHIFTER FORK (OEM 34159-36)
22	96-596	THRUST WASHER (OEM 6754)
23	96-594	SHIM + .007 (OEM 6750)
	96-595	SHIM + .014 (OEM 6752)
24	96-406	SHIFTER FORK BUSHING FOR 1941/EARLY 1979 (OEM 34175-36)
25	96-598	SHIFTER SHAFT LOCK SCREW FOR 1936/EARLY 1976 (OEM 34050-36)
26	96-348	FORK SHAFT FOR 1936/1978 (OEM 34186-76)
27	96-293	SHIFT FINGER ROLLER FOR 1941/1979 4 SPD. (OEM 34168-39) SOLD AS PAIR
28	96-407	SHIFTER FINGER FOR 1941/EARLY 1979 (OEM 34165-36)
29	96-596	THRUST WASHER (OEM 6754)
30	96-129	MAINSHAFT SHIFTER FORK (OEM 34158-36)
31	96-413	SHIFTER FORK LOCK FOR ALL 4 SPD. (OEM 34180-33)
32	96-421	SHIFTER FORK NUT FOR 1941/EARLY 1979 (OEM 34179-33)

SHIFTER PARTS FOR 80 C.I. 4 SPEED LATE 1979 THRU 1984

ALL PARTS SOLD EACH EXCEPT AS NOTED SEE SECTION 4 FOR FOOT & HAND SHIFT PEGS, LEVERS & RODS

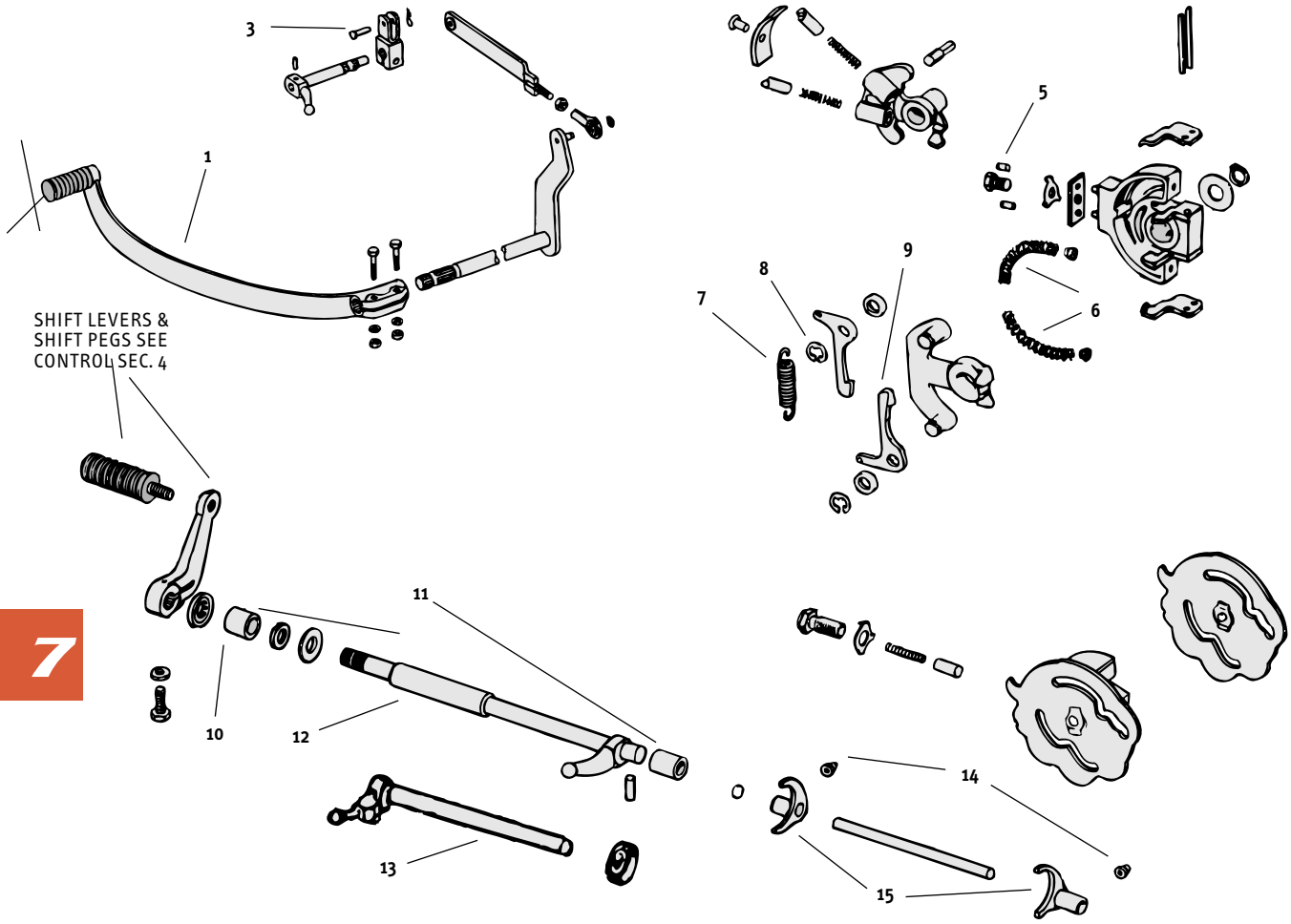


1	96-484	SHIFT LEVER SPACER REBUILDS WORN SHIFT LEVER ARMS 1979/1984 4 SPD. REPLACES OEM 33187-79
	96-485	OVERSIZE SHIFT LEVER SPACER REBUILDS WORN SHIFT LEVER ARMS 1979/1984 4 SPD. REPLACES OEM 33187-79
2	96-607	FORWARD SHIFTER. CHROME STEEL (OEM 34177-79)
3	96-241	1/4" LOCKWASHER FOR ALL MODELS 1979/1983 (OEM 7036) USE 2
4	96-605	SHIFTER SHAFT COVER. CHROME (OEM 33174-79)
5	95-779	FOOT SHIFT COVER OIL SEAL FOR FX, FL & FLH-80 CLASSIC LATE 1979 & LATER (OEM 12010) SOLD AS PKG OF 5
6	78-448	GASKET FOR ALL MODELS 1979/1983 (OEM 33196-79)
7	—	CHROME HORSE® STAINLESS STEEL TRANSMISSION SHIFTER COVER ALLEN SCREW KIT FOR FX & FL 4 SPD. 1980/1986
8	78-463	GASKET FOR ALL MODELS 1979/1983 (OEM 34824-79)
9	96-533	SHIFTER PAWL FOR LATE 1979/1984 (OEM 34476-72)
10	47-103	SHIFTER PAWL RET. RING FOR ALL MODELS 1979/1983 (OEM 11036) USE 2
11	96-294	SHIFT FINGER ROLLER FOR 1979 & LATER (OEM 34168-52) SOLD AS PAIR
12	—	SHIFT FINGER FOR LATE 1979/1984 (OEM 34184-79) USE 2
13	96-129	MAINSHAFT SHIFTER FORK (OEM 34158-36)
14	96-348	FORK SHAFT FOR 1979/1984 4 SPD. (OEM 34186-76)
15	96-130	COUNTER SHAFT SHIFTER FORK (OEM 34159-36)
16	—	SHIFT FINGER FOR LATE 1979/1984 (OEM 34184-79) USE 2

SHIFTER PARTS FOR SPORTSTER® AND KH MODELS, 4 SPEED TRANSMISSION

ALL YEARS & MODELS

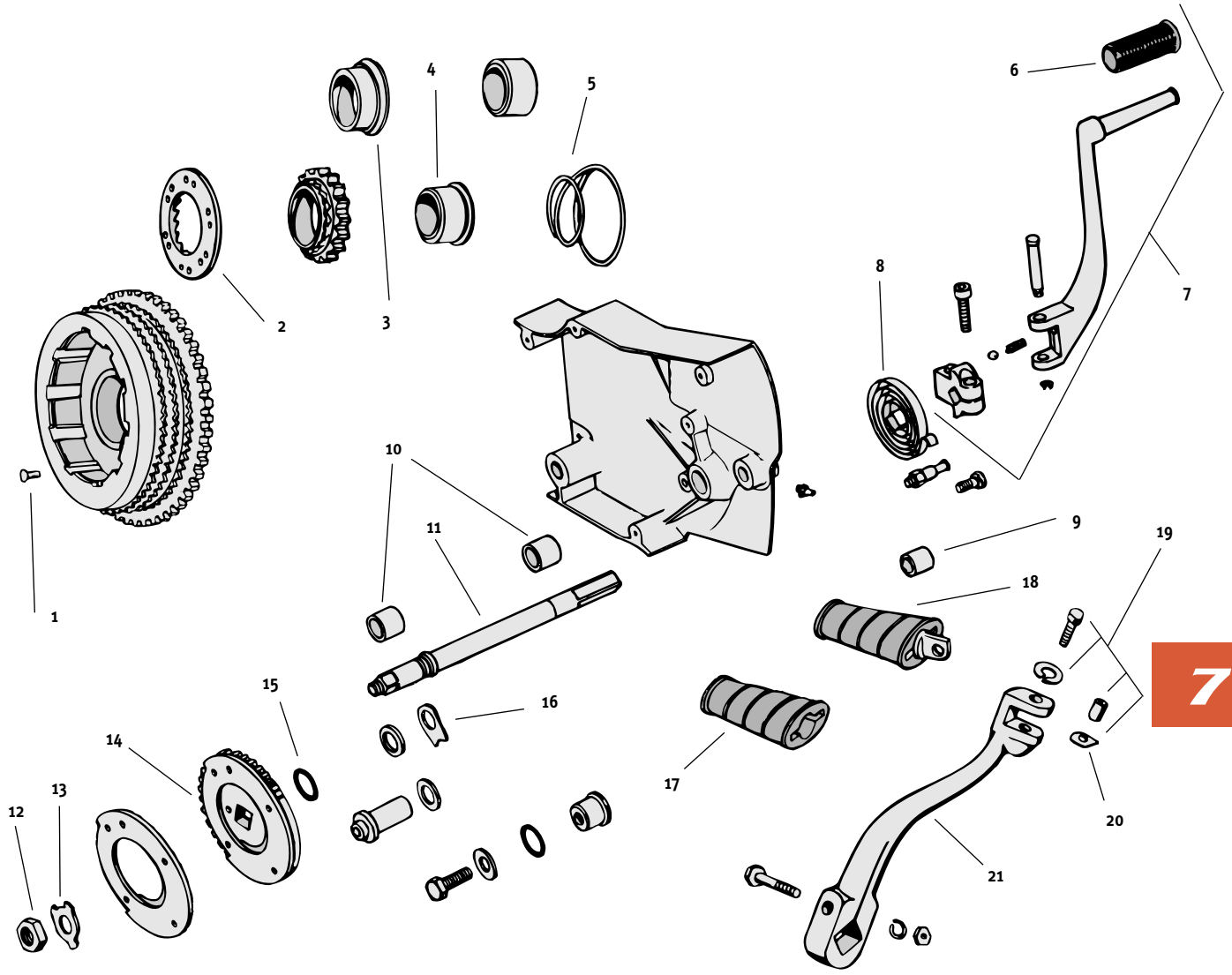
ALL PARTS SOLD EACH EXCEPT AS NOTED SEE SECTION 4 FOR FOOT & HAND SHIFT PEGS, LEVERS & RODS



1	**47-110**	SHIFT LEVER FOR 1975 & 1976 (OEM 34666-75)
3	**90-68**	SHIFTER LINK PIN FOR 1975 & 1976 (OEM 42269-30)
5	**95-219**	PIN FOR 1954/1971 (OEM 9261)
6	**96-550**	SPRING FOR 1954/EARLY 1978 (OEM 34500-52A)
7	**96-235**	SPRING FOR 1972 & LATER (OEM 37222-52)
8	**47-103**	RET. RING FOR 1972/1981 (OEM 11036)
9	**96-533**	SHIFTER PAWL FOR 1972/1990 (OEM 34476-72)
10	**95-346**	BUSHING FOR 1954/1974 (OEM 34037-52) USE 2
11	**95-412**	SHIFTER SHAFT BUSHING FOR RIGHT CASE 1977/1990 & PRIMARY COVER 1991 & LATER (OEM 40520-63)
12	**96-321**	SHIFTER SHAFT FOR 1977/1985 (OEM 34628-75)
13	**96-295**	SHIFTER SHAFT FOR 1954/1974 (OEM 34628-54)
14	**96-294**	SHIFT FINGER ROLLER FOR 1954/ 1990 (OEM 34168-52) SOLD AS PAIR
15		SHIFTER FORKS 1954/1990 (OEM 34291-52C)
	96-540	STANDARD. BRASS
	96-283	STANDARD. STEEL

KICKSTART PARTS FOR 900CC & 1000CC SPORTSTER® ALL YEARS

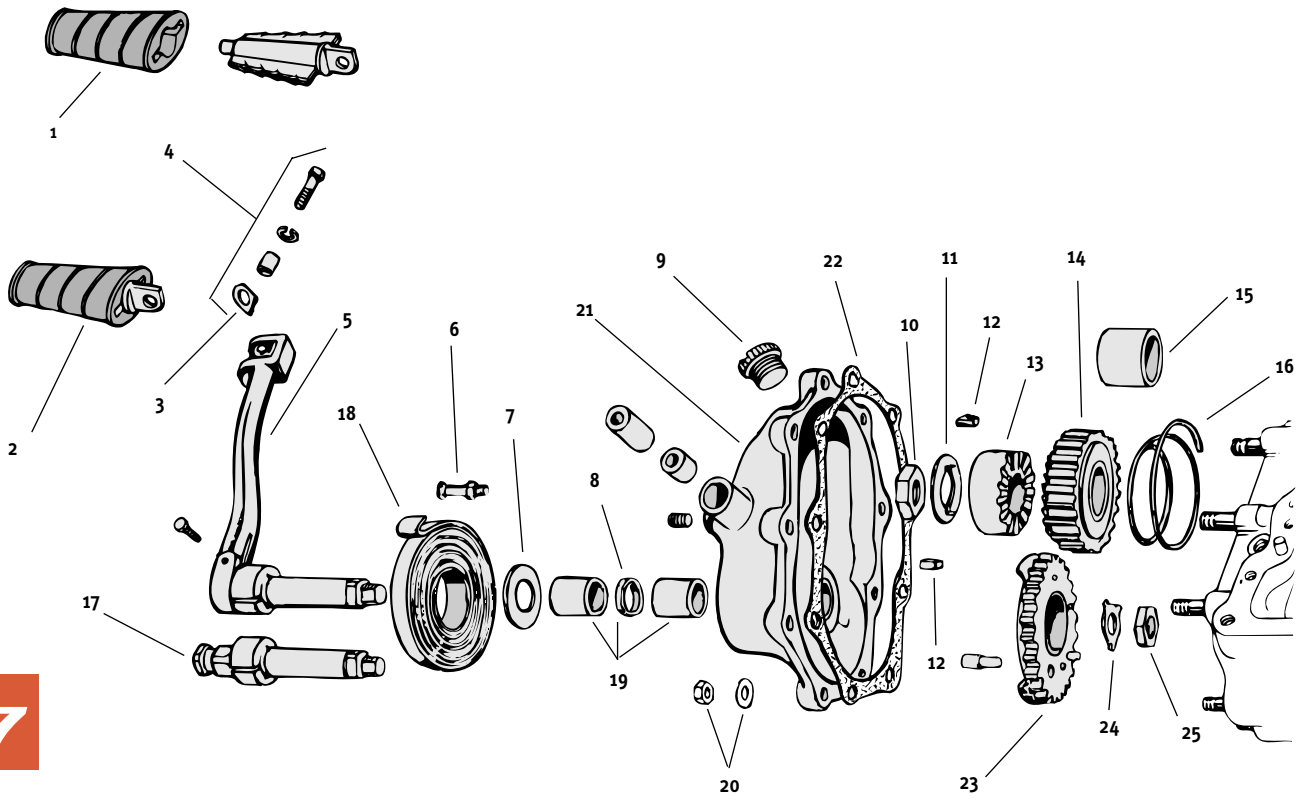
ALL PARTS SOLD EACH EXCEPT AS NOTED

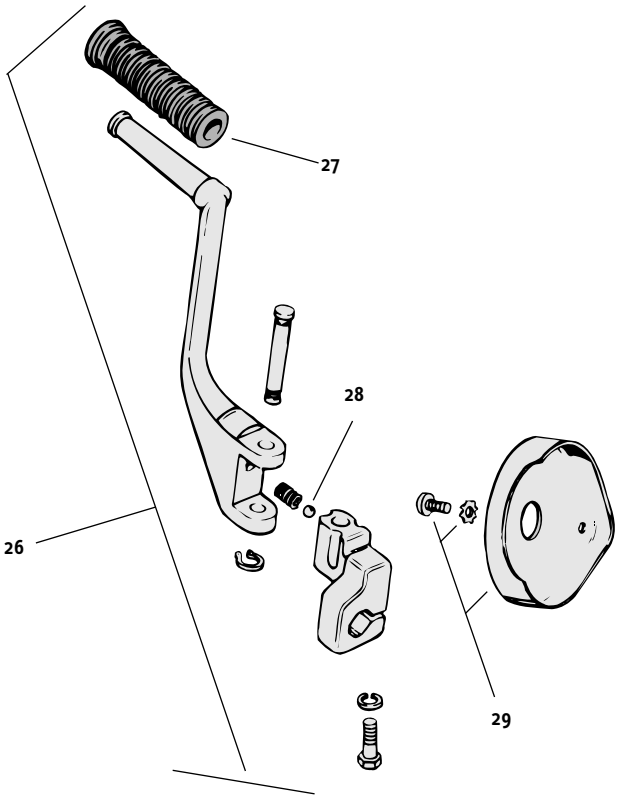


1	96-349	RIVET FOR 1954/1970 (OEM 8215)
2	96-276	STARTER RATCHET FOR 1957/1970 (OEM 33379-57
	96-287	STARTER RATCHET FOR 1971/EARLY 1979 (OEM 33379-71A)
3	95-314	KICKER GEAR BUSHING FOR 1957/EARLY 1973 (OEM 33442-52)
4	96-375	SHORT SPACER FOR 1957/1970 (OEM 37754-74)
	96-290	LONG SPACER FOR 1973 & LATER (OEM 37755-73)
5	96-343	RATCHET SPRING FOR 1954 & LATER (OEM 33391-52)
6	22-110	LATE KICK PEDAL REPLACEMENT COVER FOR XL 1963 & LATER, FX 1971 & LATER. BLACK RUBBER (OEM 33189-63)
7	47-93	KICK ARM ASSY. CHROME. COMPLETE WITH BRACKET & BLACK RUBBER
8	96-168	SPRING. CHROME (OEM 33084-41)
9	95-347	BRAKE PIVOT SHAFT BUSHING FOR 1977/1979 (OEM 34898-79)
10	96-336	BUSHING FOR 1954/1976 (OEM 33099-52A)
11	96-178	CRANK SHAFT FOR 1957/1976 (OEM 33094-57A)
	96-179	CRANK SHAFT 1977 & LATER (OEM 33094-77A)
12	96-269	NUT (OEM 7926)
13	96-332	LOCKWASHER (OEM 33362-52)
14	96-337	STARTER CRANK GEAR FOR 1957/ 1977 (OEM 33348-57)
15	95-701	O-RING FOR 1954 & LATER (OEM 11101)
16	96-341	THRUST PLATE FOR 1954 & LATER (OEM 33110-54)
17	22-49	BLACK RUBBER ONLY (OEM 33182-63A)
18	22-71	PEDAL COMPLETE WITH BLACK RUBBER (OEM 33175-16A)
19	96-227	COMPLETE PEDAL MOUNT HARDWARE SET
20	22-82	SPRING WASHER (OEM 33215-30)
21	47-58	CRANK ARM. CHROME (OEM 33057-72)

KICKSTARTER PARTS FOR 61, 74, & 80 C. I. 1936 & LATER

ALL PARTS SOLD EACH EXCEPT AS NOTED





KICKSTARTER PARTS FOR 61, 74, & 80 C. I.

1936 & LATER

ALL PARTS SOLD EACH EXCEPT AT NOTED
ALSO AVAILABLE COMPLETE ASSORTMENT OF ALLEN & ACORN SCREWS I SECTION 14. ADDITIONAL KICK PEDALS FURTHER IN THIS SECTION

1	22-49	BLACK RUBBER ONLY (OEM 33182-63A)
2	22-71	PEDAL, COMPLETE WITH BLACK RUBBER (OEM 33175-16A)
3	22-82	SPRING WASHER (OEM 33215-30)
4	96-227	PEDAL BOLT KIT. 4 PIECES
5	47-58	CHROME CRANK ARM (OEM 33057-72)
6	96-174	STUD (OEM 33152-59)
7	96-176	WASHER (OEM 33080-36)
8	95-209	SEAL (OEM 33076-37)
9	41-267	CHROME DOMED FILLER PLUG, STOCK THREADS. REPLACES (OEM 701A)
	41-343	CHROME DOMED FILLER PLUG, O.S. THREADS. REPLACES (OEM 701A)
10	96-173	NUT (OEM 7977)
11	96-156	LOCKWASHER (OEM 33396-39)
12	96-175	KEY (OEM 33393-50)
13	96-119	CLUTCH GEAR FOR 1939 / EARLY 1975 (OEM 33381-39)
14	96-120	MAINSHAFT GEAR, 16 T, FOR 1950 & LATER (OEM 33430-50)
15	95-171	KICKER GEAR BUSHING FOR 1950 & LATER. FOR USE WITH DOMESTIC GEAR .907 O.D. (OEM 33438-50)
	95-414	KICKER GEAR BUSHING FOR USE WITH IMPORT GEAR .925 O.D.
16	96-123	SPRING (OEM 33391-36)
17	96-20	3/4" LONGER SHAFT FOR 1954 & LATER (OEM 33096-54A)
	96-585	3/4" LONGER STARTER SHAFT FOR MORE KICKER-TO-EXHAUST CLEARANCE. WILL ELIMINATE FOLD-OUT KICK ARM. JIMS
18	96-167	CHROME SPRING (OEM 33085-36)
19	95-170	BUSHINGS & SEAL (OEM 33288-37) SOLD AS KIT
20	—	
21	96-230	POLISHED END COVER. COMES WITH BUSHING (OEM 33277-36A)
	96-278	CHROME END COVER. COMES WITH BUSHING
22	78-462	GASKET (OEM 33295-36)
23	96-124	CRANK GEAR, 24 T (OEM 33350-36)
24	96-155	LOCKWASHER (OEM 33082-16)
25	96-172	NUT (OEM 7911)
26	47-93	KICK ARM ASSY. FOR SUPER GLIDE®. CHROME. COMPLETE WITH BRACKET & BLACK RUBBER
27	22-110	LATE KICK PEDAL REPLACEMENT COVER FOR XL 1963 & LATER AND FX 1971 & LATER. BLACK RUBBER (OEM 33189-63)
28	95-107	BALL BEARING (OEM 8860)
29	89-166	CHROME SPRING COVER WITH SCREW (OEM 33150-59)

A



A. *CHROME HEAVY DUTY KICK START KIT*

Complete kit features an extra heavy duty, die cast, thick wall chrome kick cover for greater strength and reliability. Also included are a heavy duty offset kicker arm with pedal assembly, kicker shaft, gears, chrome return spring, heavy duty clutch release shaft and finger and all necessary locks and hardware.

NOTE: Cover mounting holes are counterbored — requires replacement of stock mounting studs with our part No. **41-782** transmission side cover screw kit.

96-706 Kit for 4 speed Big Twin 1936 & later. **SOLD AS KIT**

7

B

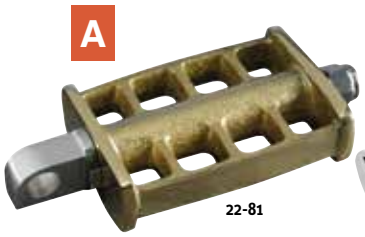


B. *COMPLETE KICK START CONVERSION KIT FOR BIG TWIN 4 SPEED* *1936 & LATER*

Kit contains everything needed to convert electric start to kick start. Both kits come with chrome plated kick arm and return spring.

96-232 Complete kit with polished cover. **SOLD AS KIT**
96-324 Complete kit with chrome cover.

A



22-81



22-79



22-144



22-100

CHROME PLATED

B



7

C



41-267



41-343

CHROME PLATED

D



96-371

A. *CUSTOM KICKSTART PEDALS TO FIT ALL BIG TWIN, SPORTSTER®, AND 45"*

Original style rubber pedal. OEM 33175-16.

22-100 Chrome frame with black rubber blocks. SOLD EACH

Round O-ring style. Chrome.

22-3 Replacement O-rings. SOLD AS PKG OF 10

Flat O-ring style. Chrome.

22-79 Flat kick pedal SOLD EACH

22-5 Replacement O-rings. SOLD AS PKG OF 10

Original style. Hardened steel inner core. **U.S.A. MADE**.

22-81 Brass pedal. SOLD EACH

Rail style. Die cast and chrome plated. See Sec. 2 for Rail Style foot pegs and Sec. 4 for Rail Style grips.

22-144 Rail Style pedal. SOLD EACH

B. *HEAVY DUTY KICK ARM for BIG TWIN & SPORTSTER®*

I-Beam type construction for added strength, added length for better leverage. Flush allen bolts for mounting.

47-148 Fits Big Twin & Sportster®. SOLD EACH

C. *TRANSMISSION OIL FILLER PLUGS*

The hex size and shallow crown are similar to the Knucklehead Knucklenut. Packaged complete with O-ring to provide an adequate seal with minimum torque. Fits Big Twins 1936 & later. Use oversize to restore pulled threads; self tapping.

41-343 Oversize. SOLD EACH

41-267 Standard size.

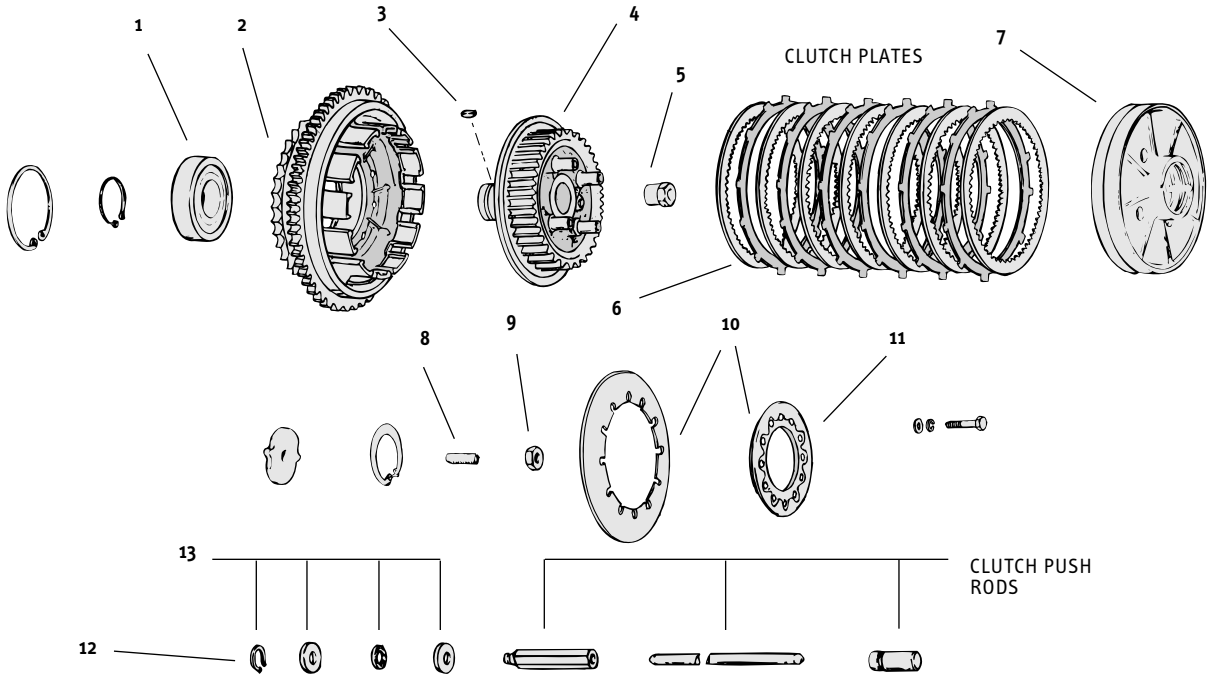
D. *KICKSTART RATCHET & GEAR KIT*

96-371 Fits all early XL 1957 thru 1970. OEM 8215, 33379-57, 33432-73, and 37754-74. SOLD AS KIT

96-372 Fits all late XL 1971 thru 1979. OEM 8216, 33379-71A, 33432-73, and 37753-73.

CLUTCH PARTS FOR BIG TWIN LATE *1984 THRU 1989*

ALL PARTS SOLD EACH EXCEPT AS NOTED



1	**95-316**	BEARING (OEM 9025A & 37906-84)
2	**96-813**	CLUTCH SHELL 1984 / 1989 (OEM 37707-84A)
3	**96-204**	CLUTCH HUB KEY 1985 / 1989 (OEM 37523-85)
4	**96-5**	CLUTCH HUB (OEM 37550-84A)
5	**96-686**	CLUTCH HUB NUT (OEM 37496-84)
6	**96-459**	STEEL DRIVE PLATE (OEM 37075-84)
7	—	PRESSURE PLATE (OEM 37901-84A)
8	**96-89**	ADJUSTING SCREW (OEM 37357-84)
9	**96-88**	JAM NUT (OEM 7848W)
10	**96-528**	HEAVY CLUTCH SPRING. BARNETT (OEM 37902-84A)
11	—	ADJUSTER PLATE (OEM 37902-86)
12	**96-452**	CLIP (OEM 11096)
13	**96-451**	BEARING KIT

7

A. *REDUCED EFFORT CLUTCH KIT*

Reduces the amount of effort needed to operate the clutch lever.

96-564 Fits Twin Cam® models 2005-earlier, and EVO 5-speed 1998-1999. **SOLD AS KIT**

A



B. *ALUMINUM PRESSURE PLATE FOR BIG TWIN*

Polished aluminum plate provides superior strength to prevent flexing or warping. Makes clutch much easier to adjust. Also helps prevent clutch slipping.

96-58 Aluminum pressure plate for Big Twin. **SOLD EACH**

B



C. *EASY PULL CLUTCH KITS FOR BIG TWIN & SPORTSTER®*

Reduces the amount of effort needed to operate the clutch lever. Complete clutch disengagement is still achieved. Installs easily.

96-560 Fits Big Twin 1987 & later except FXR and Sportster® 1986 thru 1990. **SOLD AS KIT**

C



CLUTCH PARTS FOR BIG TWIN 1941 THRU 1984

ALL PARTS SOLD EACH EXCEPT AS NOTED

1	96-558	CLUTCH SHELL & SPROCKET 1941/1984 KICKSTART (OEM 37703-41)
	96-559	CLUTCH SHELL & SPROCKET 1941/1984 ELECTRIC START (OEM 37702-70A)
2	95-778	MAINSHAFT NUT OIL SEAL (OEM 10214)
3	96-61	NUT 1941 & LATER (OEM 37496-65)
4	96-190	LOCK. STEEL (OEM 37503-41)
5	96-84	PLATE (OEM 37576-41)
6	—	ROLLER (OEM 6540A) SOLD AS PKG OF 100
7	96-60	RETAINER & ROLLERS (OEM 37567-41A)
8	96-210	LONG STUD (OEM 37583-41) USE THREE
9	96-233	SPRING (OEM 37574-44) USE THREE
10	96-200	KEY (OEM 37523-15)
11	96-547	RELEASE LEVER SHAFT 1941/1984 (OEM 37074-38A)
12	96-211	SHORT STUD (OEM 37585-41) USE SEVEN
13	96-41	HUB WITH THREE STUDS (OEM 37550-41B)
14	95-253	THROW OUT BEARING 1941/1971 (OEM 37310-39)
15	96-565	RELEASE FINGER 1941/1984 (OEM 37070-39B)
16	96-653	WASHER (OEM 6443HW/6702)
17	96-309	RETAINING RING (OEM 11000)
18	96-199	HUB STUD NUT (OEM 37591-47) USE THREE
19	96-110	PRESSURE PLATE (OEM 38010-41) **NOTE:** CAN BE USED WITH THREE, FIVE OR TEN LONG STUD CLUTCH HUBS.
20	96-85	ADJUSTING SCREW WITH BALL END (OEM 37357-41)
	96-87	ADJUSTING SCREW WITH PLAIN END
21	96-86	ADJUSTING SCREW NUT
22	96-631	CLUTCH RELEASING DISC (OEM 37871-41)
23	96-63	DRIVE DISC WITHOUT BUFFERS. REPLACES OEM 37975-41.
	96-329	DRIVE DISC WITH BUFFERS (OEM 37975-41) **NOTE:** THREE USED 1967 & EARLIER, FOUR USED 1968 & LATER.
24	96-13	STANDARD CLUTCH LINER WITH STEEL BACKING PLATE AND RIVETS FOR 1941/1983

A



96-308

A. CLUTCH HUBS FOR BIG TWIN 1941 THRU 1984

Get even, ideal clutch action by using this hub with adjustable studs that allows you to fine tune the adjustments with ultimate precision. Kit includes nuts, friction disc with rivets, bearing retainer with bearings, bearing retainer plate & springs, and pressure plate.

96-308	Complete clutch hub with five adjusting studs.	SOLD AS KIT
96-333	Clutch hub with friction disc — five stud.	
96-9	Complete clutch hub with three adjusting studs.	
96-41	Clutch hub with friction disc — three stud. Replaces OEM 37550-41B.	
96-13	Standard clutch liner with rivets.	

B



96-409

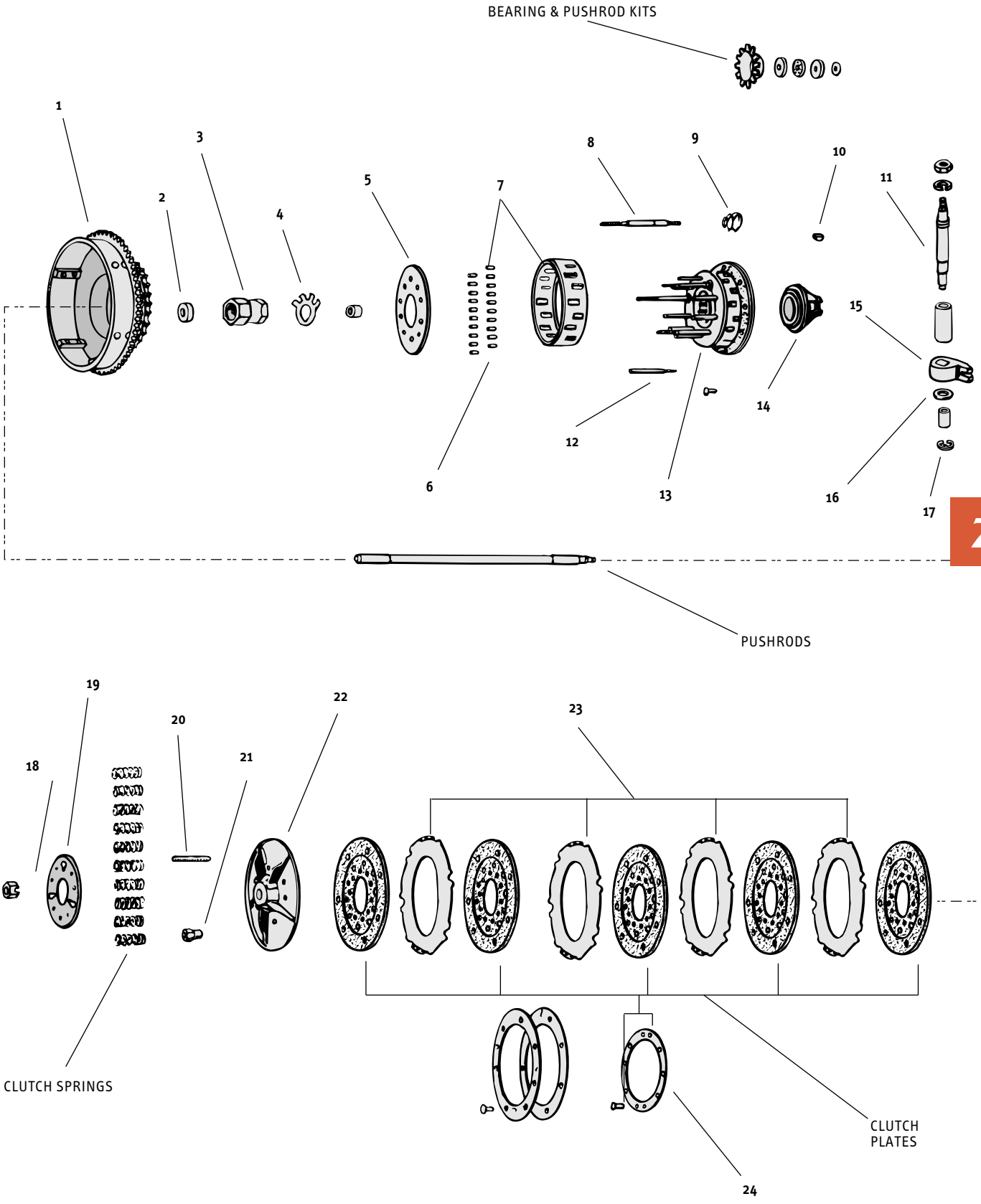
B. CLUTCH HUB 5 AND 52

This is the newest set-up for complete clutch hub replacement. This kit comes with five adjustable studs that allow you to fine tune the adjustments. Also included are 52 long rollers that eliminate the old style caged rollers, adjusting nuts, friction disc bearing retainer plate & clips and 5 finger pressure plate. One extra roller is included.

96-409	Hub kit.	SOLD AS KIT
96-364	U.S.A. MADE bearing kit.	
96-420	Imported bearing kit.	

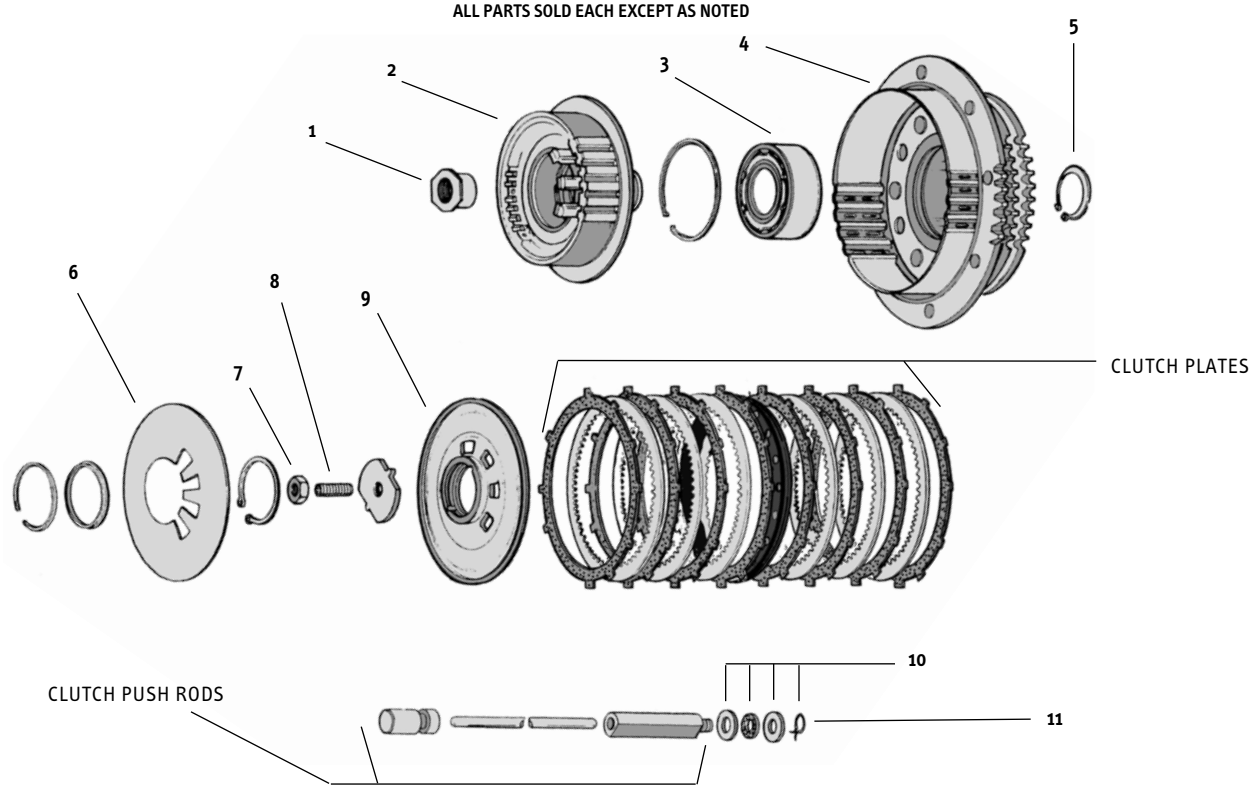
CLUTCH PARTS FOR BIG TWIN 1941 THRU 1984

ALL PARTS SOLD EACH EXCEPT AS NOTED



CLUTCH PARTS FOR BIG TWIN *LATE 1990 THRU 1997*

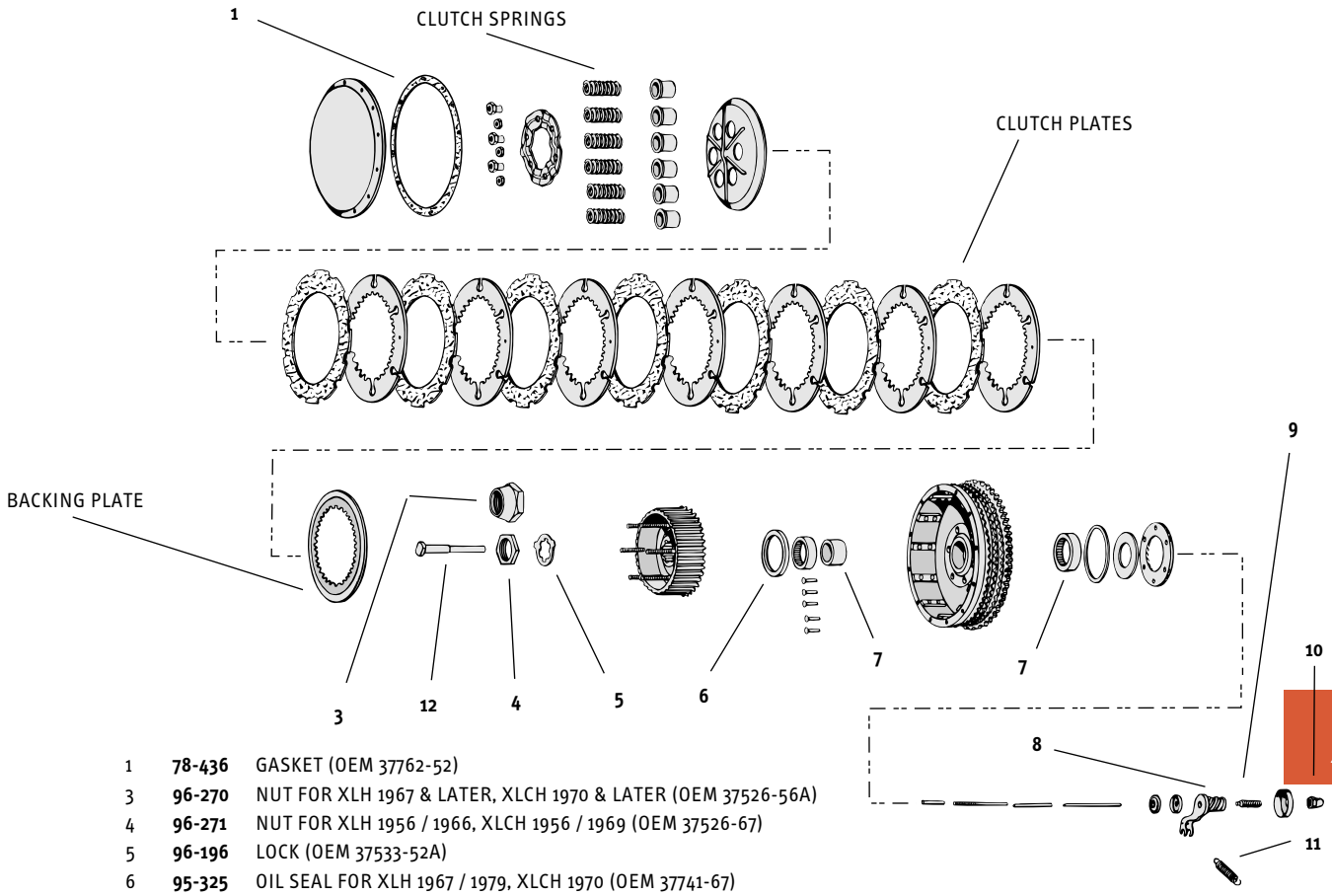
ALL PARTS SOLD EACH EXCEPT AS NOTED



1	**96-682**	CLUTCH HUB NUT (OEM 37496-90)
2	**96-803**	CLUTCH HUB (OEM 37550-90A)
3	**95-801**	BEARING FOR 1990/2001 (OEM 37906-90)
4	**96-814**	CLUTCH SHELL FOR 1990/1993 (OEM 37707-90)
	96-815	CLUTCH SHELL FOR 1994/1997 (OEM 37707-94)
5	**96-4**	RETAINING RING FOR 1990/2001 (OEM 37904-90)
6	**96-610**	HEAVY DUTY CLUTCH SPRING. BARNETT
7	**96-88**	JAM NUT (OEM 7848W)
8	**96-89**	ADJUSTING SCREW (OEM 37357-84)
9	**96-804**	PRESSURE PLATE (OEM 37912-91)
10	**96-451**	BEARING KIT
11	**96-452**	CLIP (OEM 11096)

CLUTCH PARTS FOR SPORTSTER® & KH 1954 THRU 1970

ALL PARTS SOLD EACH EXCEPT AS NOTED

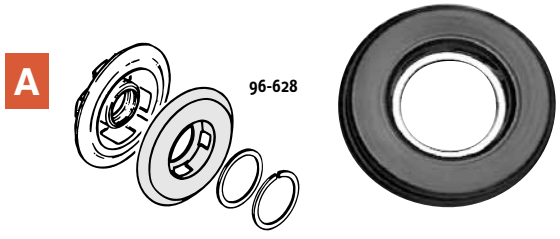


1	**78-436**	GASKET (OEM 37762-52)
3	**96-270**	NUT FOR XLH 1967 & LATER, XLCH 1970 & LATER (OEM 37526-56A)
4	**96-271**	NUT FOR XLH 1956 / 1966, XLCH 1956 / 1969 (OEM 37526-67)
5	**96-196**	LOCK (OEM 37533-52A)
6	**95-325**	OIL SEAL FOR XLH 1967 / 1979, XLCH 1970 (OEM 37741-67)
7	**95-609**	CLUTCH SPROCKET NEEDLE BEARING (OEM 37722-52)
8	**96-115**	RELEASE WORM (OEM 37201-54)
9	**96-202**	SCREW (OEM 38130-54)
10	—	LOCK NUT (OEM 38135-50)
11	**96-235**	SPRING (OEM 37222-52)
12	**96-461**	CLUTCH PUSHROD FOR 1956 / 1966 ALL MODELS, AND 1967 / 1969 XLCH ONLY. **U.S.A. MADE** (OEM 37279-56, 37281-47, 37282-53 & 37276-53) SOLD AS KIT
	96-462	CLUTCH PUSHROD **U.S.A. MADE** (OEM 37280-67, 37281-47, 37282-53 & 37276-53) SOLD AS KIT

A. BALANCE MASTERS™ FOR CLUTCH ASSEMBLIES

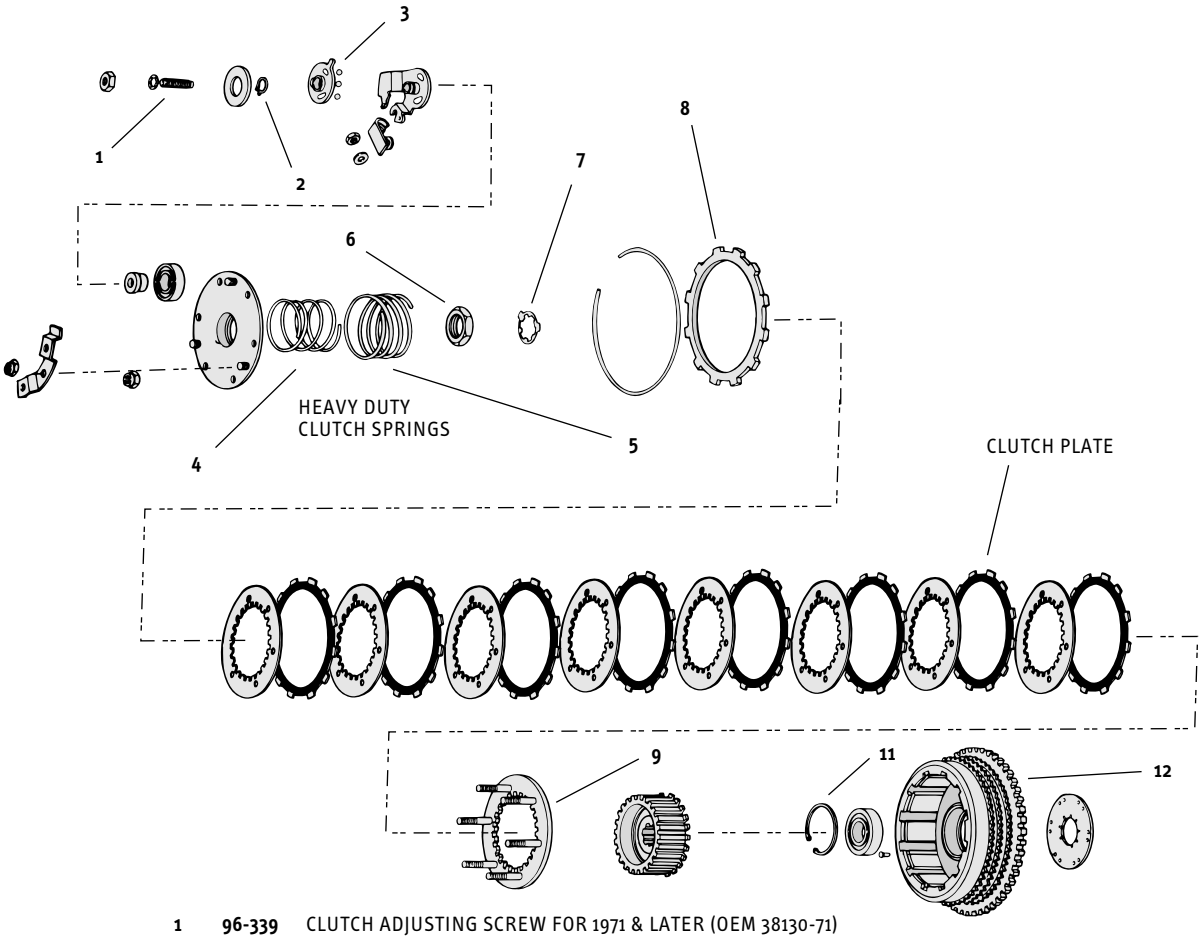
The **U.S.A. MADE** Balance Masters™ line for clutch assemblies is the first product available utilizing "Active Engine Balancing Technology" designed exclusively for the H-D® motorcycle. Includes an exclusive 2 year limited factory warranty against material defects. SOLD EACH

96-628 For late 1984 thru 1990 Sportster® clutch assy.



CLUTCH PARTS FOR SPORTSTER® ALL MODELS 1971 THRU EARLY 1984

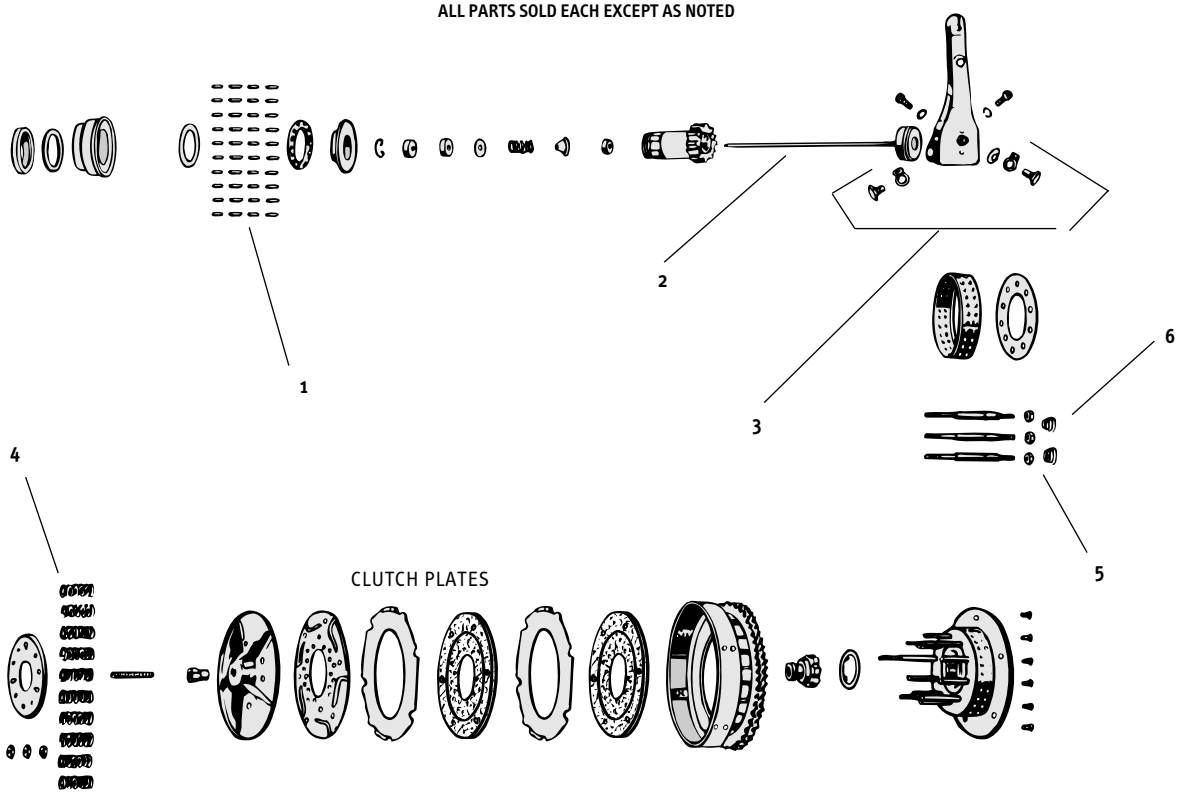
ALL PARTS SOLD EACH EXCEPT AS NOTED



1	**96-339**	CLUTCH ADJUSTING SCREW FOR 1971 & LATER (OEM 38130-71)
2	**96-481**	SNAP RING FOR 1971 / EARLY 1984 (OEM 11005)
3	**95-107**	BALL (OEM 8860) USE THREE
4	**96-537**	INNER SPRING (OEM 38080-71)
5	**96-536**	OUTER SPRING (OEM 38079-72)
	96-57	PRECISION MACHINING HEAVY DUTY SINGLE SPRING
6	**96-271**	NUT (OEM 37526-67)
7	**96-196**	LOCK (OEM 37533-52A)
8	**96-8**	OUTER DRIVE PLATE (OEM 37987-71)
9	**96-352**	BACKING PLATE LATE FOR 1974 / 1978 (OEM 38005-74) **NOTE:** 1971 / EARLY 1974 NEEDS TO USE SPACERS H-D® PART NO.'S 5995, 5996 & 5997
11	**96-480**	SNAP RING FOR 1971 / EARLY 1984 (OEM 11052)
12	**96-587**	STARTER RING GEAR ONLY,FOR 1971 / 1980 (OEM 37762-67)

CLUTCH PARTS FOR 45 CUBIC INCH SOLO & SERVI-CAR *ALL MODELS & ALL YEARS*

ALL PARTS SOLD EACH EXCEPT AS NOTED



1	—	ROLLER, STD. (OEM 9084) USE 40
2	**96-62**	PUSHROD (OEM 37287-41)
3	**96-346**	CLUTCH ARM REBUILD KIT FOR 45". INCLUDES PRECISION MACHINED, HEAT TREATED BUSHINGS & PIVOT BOLTS TO REBUILD CLUTCH ARM & SPROCKET COVER. COLONY. SOLD AS KIT
4	**96-54**	CLUTCH SPRINGS; SET OF 10 (OEM 38077-41) SOLD AS SET
5	**96-199**	NUT (OEM 37581-47) USE 3
6	**96-233**	SPRING (OEM 37574-44) USE 3

7

A. *CLUTCH HUB BEARING KIT FOR BIG TWIN*
1936 THRU 1984

Change the caged roller bearing found in all 74" and 80". Now your clutch hub can rotate on 52 solid hardened roller bearings. The bearings supplied with the kit are manufactured of 5211 bearing alloy steel, and hardened all the way through. The kit contains a tube of bearing grease which will not burn up or fly off, a bearing retainer and three piano wire spring retainers for the clutch hub; everything you need to complete the job.

96-364 For 4 speed Big Twin 1936 thru 1984. U.S.A. MADE bearing kit. **SOLD AS KIT**

96-420 Imported bearing kit.



A



B



C



96-937



D



E



F



A. *ULTIMA PERFORMANCE CLUTCH KITS*

Ultima now offers performance clutch kits for high output motors to direct power to the pavement. These clutch kits are made using high quality, high performance components. Clutch kit includes quality friction plates that utilize maximum surface area, high load springs, a precision machined anodized billet aluminum pressure plate designed to deliver high power at minimal weight, and an indestructible direct fit clutch hub. Kits come with three different spring rates to accommodate all styles of riding. **SOLD AS KIT**

96-730 High Performance Clutch kit. Fits 1998-06 Big Twin (except '06 Dyna's®).
58-769 Replacement Clutch kit for above clutch (**96-730**).

96-731 High Performance Clutch kit. Fits 1990-97 Big Twin.
58-819 Replacement Clutch kit for above clutch (**96-731**).

B. *SCORPION™ BILLET CLUTCH*

CLUTCH SPRING CONVERSION

Billet 6061-T6 pressure plates eliminate diaphragm spring and allow use of coiled spring for more tunability and more positive, linear clutch action.

96-721 For Big Twin 1998 & later. **SOLD AS KIT**

C. *BALL BEARING LOCK-UP CLUTCH*

Put some BALLS in your clutch! BDL's new "Patent Pending" Ball Bearing Lock Up Clutch is now standard equipment with all of BDL'S new 2" drives, and is available as a retro fit with all BDL belt drives with coil spring clutch except our Top Fuel Drives.

96-937 Clutch kit. **SOLD AS KIT**

D. *BARNETT LOW PROFILE LOCK-UP PRESSURE PLATE 1998-12 HD BIG TWINS*

Features:

- Increases the capacity of your stock clutch and keeps lever effort to a minimum even with big inch motors!
- Three different sets of six coil springs (light, medium, heavy) are included for a wide variety of spring pressure options.
- Easy bolt-on installation. No modifications required.
- Made in the USA.

96-132 Lock-up pressure plate, hydraulic.

E. *HEAVY DUTY CLUTCH SPRING PLATE*

These heavy duty s pring plates increase pressure by approximately 20% which is better suited for high compression engines and better clutch operation. Replaces OEM#37871-90.

96-247 Clutch spring plate, heavy duty. **SOLD EACH**

F. *ADJUSTABLE CLUTCH HUB RETAINERS*

The Retainer cures the "grabby clutch" found in many H-D® 74" & 80" V-Twins by keeping the clutch drum in place. Installation is easy by following all the steps of a regular clutch service. It's not going to fix every clutch problem but if installed correctly, in a well maintained V-Twin, the H-D® clutch will work better than it ever has. Fits all 74" & 80" V-Twins 1936 thru 1984, belt or chain drive primary.

96-405 Clutch hub retainer for 3 or 5 stud hub. **SOLD AS KIT**








BRAND	DESCRIPTION	OEM NO.	PART NO.	SOLD AS
CLUTCH COMPONENTS FOR SPORTSTER® 1957 THRU 1970				
	CLUTCH PACKS			
Barnett	Sintered friction plate.	37985-52A	96-80	EACH
Barnett with	Contains 8 Kevlar® friction plates, 1 steel driven plate,		96-243	KIT
ALTO	Contains 7 Red Eagle friction plates.	37985-52A	96-811	KIT
	DRIVE PLATES			
Barnett	.047 Steel drive plate (standard).	37992-52	96-34	EACH
ALTO	.047 Steel drive plate (standard).	37992-52	96-812	EACH
Barnett	.059 Steel drive plate.		96-81	EACH
Barnett	.075 Steel drive plate.		96-82	EACH
Barnett	.089 Steel drive plate.		96-831	EACH
Barnett	.119 Steel drive plate.		96-83	EACH
Barnett	Steel backing plate.	38016-52/ 38016-57	96-244	EACH
	CLUTCH SPRINGS			
Barnett	Contains 6 standard clutch springs.	38076-52	96-53	KIT
CLUTCH COMPONENTS FOR SPORTSTER® 1971 THRU 1983				
	CLUTCH PACKS			
Barnett	Contains 8 Kevlar® friction plates.	37985-71	96-7	KIT
Barnett	Contains 8 carbon fiber friction plates.	37985-71	96-710	KIT
ALTO	Contains 8 Red Red Eagle friction plates	37985-71	96-374	KIT
	DRIVE PLATES			
Barnett	Steel drive plate.	37992-71	96-35	EACH
ALTO	Steel drive plate.	37992-72	96-365	EACH
Barnett	Outer steel drive plate.	37987-71	96-8	EACH
	CLUTCH SPACERS			
Barnett	Stock 1.525 Clutch spacers		96-454	KIT
	CLUTCH SPRINGS			
Precision Machining	Heavy duty single spring.	38080-71/ 38079-72	96-57	EACH
CLUTCH COMPONENTS FOR SPORTSTER® 1984 THRU 1990				
	CLUTCH PACKS			
Barnett	Contains 7 Kevlar® friction plates.	36788-84	96-369	KIT
Barnett	Contains 7 carbon fiber friction plates.	36788-85	96-711	KIT
Barnett with EXTRA PLATE	Contains 9 Kevlar® friction plates. and 8 steel drive plates.		96-457	KIT
ALTO	Contains 7 Red Eagle friction plates.	36788-85	96-433	KIT
	DRIVE PLATES			
Barnett	Steel drive plate.	36787-84	96-370	EACH
ALTO	Steel drive plate.	36787-85	96-467	EACH
	CLUTCH SPRINGS			
Barnett	Heavy duty clutch spring.		96-611	EACH

CLUTCH COMPONENTS FOR BIG TWIN 1941 THRU 1983

BRAND	DESCRIPTION	OEM NO.	PART NO.	SOLD AS
	CLUTCH PACKS			
Barnett	Contains 5 Kevlar® friction plates.	37930-68A	96-59	KIT
Barnett	Contains 5 carbon fiber friction plates.	37930-68A	96-1	KIT
Barnett with EXTRA PLATE	Contains 6 Kevlar® friction plates., 1 steel plate and a set of heavy springs.		96-298	KIT
ALTO	Contains 4 Red Eagle friction plates, 1941-1967.	37850-41	96-549	KIT
ALTO	Contains 5 Red Eagle friction plates, 1968-1983.	37930-68A	96-373	KIT
ALTO	Carbonite Power Pack, 6 friction & 5 steel plates.		96-916	KIT
ALTO	Contains 5 Kevlar® friction plates.	37930-68A	96-376	KIT
BDL	Contains 5 Kevlar® friction plates.	37930-68A	96-579	KIT
	DRIVE PLATES			
Barnett	Steel drive plate without buffers.	37975-41	96-63	EACH
ALTO	Steel drive plate without buffers.	37975-41	96-557	EACH
ALTO	Steel drive plate with buffers.	37975-81	96-329	EACH
	HUB LINER			
ALTO	Hub liner with rivets.	37549-41	96-13	KIT
	CLUTCH SPRINGS			
Barnett	Contains 10 standard 1941 thru 1967 springs.	38077-41	96-54	KIT
Barnett	Contains 10 standard 1968 thru 1983 springs.	37077-68	96-55	KIT
Barnett	Contains 10 heavy duty springs.		96-458	KIT

7

CLUTCH COMPONENTS FOR BIG TWIN 1984 THRU 1989

	CLUTCH PACKS			
Barnett	Contains 6 Kevlar® friction plates.	37930-84	96-368	KIT
Barnett	Contains 6 carbon fiber friction plates.	37930-85	96-713	KIT
ALTO	Contains 6 Red Eagle friction plates.	37930-86	96-534	KIT
ALTO	Carbonite Power Pack, 7 friction & 8 steel plates.		96-917	KIT
	DRIVE PLATES			
Barnett	Steel drive plate.	37975-84A	96-459	EACH
ALTO	Steel drive plate.	37975-84A	96-468	EACH
	CLUTCH SPRING			
Barnett	Heavy duty diaphragm clutch spring.		96-528	EACH
ALTO	Replacement diaphragm clutch spring.		96-529	EACH

CLUTCH COMPONENTS FOR BIG TWIN 1990 THRU 1997 & SPORTSTER® 1991 & LATER

	CLUTCH PACKS			
Barnett	Contains 8 Kevlar® friction plates.	37910-90	96-530	KIT
Barnett	Contains 8 carbon fiber friction plates.	37910-90	96-712	KIT
Barnett with EXTRA PLATE	Contains 9 Kevlar® friction plates and 8 steel drive plates.		96-532	KIT
Barnett with EXTRA PLATE	Contains 9 carbon fiber friction plates and 8 steel drive plates.		96-51	KIT
ALTO	Contains 8 Red Eagle friction plates.	37910-90	96-561	KIT
ALTO	Carbonite Power Pack, 10 friction 9 steel plates.		96-918	KIT

CLUTCH COMPONENTS FOR BIG TWIN 1990 THRU 1997 & SPORTSTER® 1991 & LATER CONTINUED ON NEXT PAGE

BRAND	DESCRIPTION	OEM NO.	PART NO.	SOLD AS
CLUTCH COMPONENTS FOR BIG TWIN 1990 THRU 1997 & SPORTSTER® 1991 & LATER CONTINUED				
	DRIVE PLATES			
Barnett	Steel drive plate.	37913-90	96-531	EACH
ALTO	Steel drive plate.	37913-90	96-562	EACH
ALTO	Spring separator plate.	37975-90/ 37977-90	96-618	EACH
	CLUTCH SPRINGS			
Barnett	Heavy duty spring.		96-610	EACH

CLUTCH COMPONENTS FOR BIG TWIN 1998 & LATER

	CLUTCH PACKS			
Barnett	Contains 9 Kevlar® friction plates.	37911-98	96-816	KIT
Barnett	Contains 9 carbon fiber friction plates,	37911-98	96-714	KIT
Barnett with EXTRA PLATE	Contains 10 Kevlar® friction plates and 9 steel drive plates.		96-819	KIT
Barnett with EXTRA PLATE	Contains 10 carbon fiber plates and 9 steel drive plates.		96-920	KIT
ALTO	Contains 9 Red Eagle friction plates.	37911-98	96-925	KIT
ALTO	Carbonite Power Pack, 10 friction 9 steel plates.		96-919	KIT
	DRIVE PLATES			
Barnett	Steel drive plate.	37913-98	96-817	EACH
ALTO	Steel drive plate.	37913-98	96-912	EACH
BDL	Steel drive plate.	37913-98	—	EACH
	CLUTCH SPRING			
Barnett	Standard clutch spring.		96-818	EACH
Barnett	Heavy duty clutch spring.		96-246	EACH
ALTO	Standard clutch spring.		96-913	EACH
ALTO	Heavy duty diaphragm spring.		96-911	EACH

BRAND	DESCRIPTION	OEM NO.	PART NO.	SOLD AS
CLUTCH COMPONENTS FOR RIVERA PRIMO CLUTCHES				
	FOR BRUTE BELT DRIVES			
ALTO	Red Eagle frictions and steels kit.		96-976	KIT
ALTO	Carbonite frictions and steels kit.		96-977	KIT
	FOR RIVERA PRIMO PRO CLUTCHES			
ALTO	Red Eagle frictions and steels, 1936-1984, BT	PC-1000	96-978	KIT
ALTO	Red Eagle frictions and steels, 1986-1989, BT	PC-1100CA	96-979	KIT
ALTO	K2 frictions and steels, 1991-UP, XL	PC-1300	96-980	KIT
ALTO	K2 frictions and steels, 1990-1997, BT	PC-1200CA	96-981	KIT
ALTO	K2 frictions and steels, 1998-UP, EVO/TC	PC-1298	96-982	KIT

BRAND	DESCRIPTION	OEM NO.	PART NO.	SOLD AS

CLUTCH COMPONENTS FOR BDL CLUTCHES

FOR TOP FUEL AND SUPER STREET DRIVES

FOR BDL CHAIN DRIVES & EVO COMPETITOR CLUTCH

BDL	Contains 7 Kevlar® friction plates.	CDCP-100	58-603	KIT
BDL	Contains 8 steel plates.	CDDP-100	58-602	KIT
ALTO	Friction & steels kit for standard pressure plate	CC-100	96-974	KIT
ALTO	Friction & steels kit for ball pressure plate	CC-120	96-975	KIT

QUIET CLUTCH FOR EVO AND EVB DRIVES

BDL	Steel backing plate.	EDP-200	58-394	EACH
ALTO	Contains 6 friction & 6 steel plates.	ERCP-100	96-972	KIT

STANDARD CLUTCH FOR EVO AND EVB DRIVES

BDL	1 Sided Kevlar® friction plate.	ECP-100	58-314	EACH
BDL	Kevlar® friction plate.	ECP-200	58-313	EACH
BDL	Round dog steel plate.	ERDS-100	58-395	EACH
BDL	Square dog steel plate.	EDP-100	58-312	EACH
BDL	Steel backing plate.	EDP-200	58-394	EACH
ALTO	Contains 7 friction & 8 steel plates.		96-973	KIT

SS-2 BELT DRIVES

BDL	Replacement steel balls (20).	SS-SBB	58-843	KIT
BDL	Replacement carbide balls (20).	SS-CBB	58-844	KIT

A. BARNETT CLUTCH COMPONENTS for H-D®45"

Clutch kit. Consists of 2 full plates and 1 half plate. Made of aluminum alloy and bonded with BarFlex I oil resistant friction material.

96-242	Clutch kit.	SOLD AS KIT
96-54	Standard replacement clutch springs. OEM 38077-41.	SOLD AS SET OF 10

A. *REPLACEMENT BEARING & PUSHROD KIT*

Replacement throw out bearing & pushrod kit. OEM 37305-70.

96-256 Updates the pushrod on 1936-1975 Big Twins, & replaces the pushrod on 1975-1984 Big Twins. SOLD AS KIT

Bearing kit only. Includes two (2) washers (OEM 37313-80), one (1) bearing (OEM 37312-75) and one (1) ring clip (OEM 11096).

96-451 Bearing kit for late 1975 & later. SOLD AS KIT

96-452 Clip only. OEM 11096. U.S.A. MADE. SOLD EACH

96-460 Oil slinger for late 1975 thru early 1984. OEM 37228-75. SOLD EACH

B. *"HIGH STRENGTH" PUSH RODS FOR BIG TWIN*

These **U.S.A. MADE** pushrods are manufactured out of heat-treated steel and flame-hardened at both ends.

96-93 Fits all Big Twin 1936 thru 1964. 13-1/4" Long. OEM 37285-38. SOLD EACH

96-94 Fits all Big Twin 1965 thru 1969. 13-1/2" Long. OEM 37285-65.

96-95 Fits all Big Twin 1970 thru early 1975 14" Long. OEM 37285-70.

96-96 Fits all Big Twin late 1975 thru early 1984. 14-1/8" Long. OEM 37285-75.

C. *RELEASE FINGERS*

96-565 For 1941 thru 1984. OEM 37070-39B. SOLD EACH

D. *THROW-OUT BEARING CONVERSION KIT FOR BIG TWIN*

Heavy-duty complete kit includes clutch pushrod, gasket, throw-out bearing and gear to convert late bearings to old-style heavy-duty throw out bearings.

96-277 For 74" & 80" 1970 & later (except FLT and FXR). SOLD AS KIT

E. *HIGH STRENGTH PUSHRODS FOR BIG TWIN*

U.S.A. MADE three-piece clutch pushrods for 4 speed (diaphrag clutch) transmissions late 1984 thru 1986, and 5 speed transmissions 1980 & later. Heat treated where necessary. Each rod sold separately.

YEAR	PART NO.	OEM NO.	
All late 1984 thru 1986 4 spd.	**96-438**	37089-84	Right
	96-443	37285-84	Center
	96-440	37090-84	Left
All 1980 thru early 1984 5 spd. 10.125" in length	**96-436**	37089-79	Right
	96-435	37088-79	Center
	96-437	37090-79	Left
All late 1984 5 spd. 10.375" in length	**96-438**	37089-84	Right
	96-439	37088-84	Center
	96-440	37090-84	Left
All 1985 & 1986 5 spd. 11.0" in length	**96-438**	37089-84	Right
	96-441	37088-85	Center
	96-440	37090-84	Left
All 1987 thru 1989 5 spd. 11.375" in length	**96-438**	37089-84	Right
	96-442	37088-87	Center
	96-440	37090-84	Left
All 1990 5 spd. 10.8125" in length	**96-438**	37089-84	Right
	96-538	37088-90	Center
	96-440	37090-84	Left
All 1991 & later 5 spd. 10.8125" in length	**96-654**	37069-90	Right
	96-538	37088-90	Center
	96-655	37090-84A	Left
All 1985 & later 5 & 6 spd. 11.875" in length	**96-469**	N/A	Center
	96-452	11096	Clip only.

ALSO AVAILABLE: Bearing retaining clip for all Big Twin late 1975 thru 1996.

A



B



C



D



7

E



LEFT





RIGHT



CENTER

F



F. *CLUTCH PUSHRODS FOR SPORTSTER®*

Fits 1956 thru 1966, all models, and 1967 thru 1969 XLCH only.

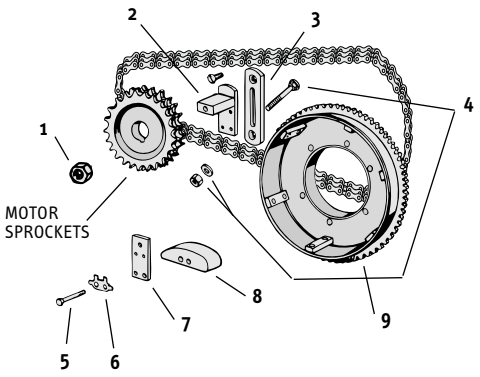
96-461 Replaces OEM 37279-56, 37281-47, 37282-53 and 37276-53. SOLD AS KIT

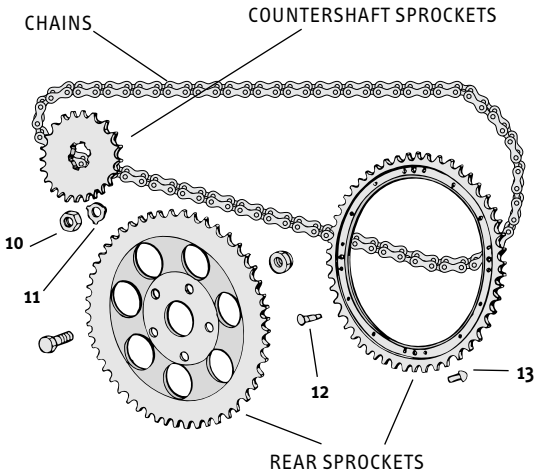
Fits 1967 thru 1970 XLH, and 1970 XLCH.

96-462 Replaces OEM 37280-67, 37281-47 37282-53 & 37276-53. SOLD AS KIT

DRIVE SYSTEM FOR BIG TWIN 4 SPEED ALL MODELS, ALL YEARS

ALL PARTS SOLD EACH





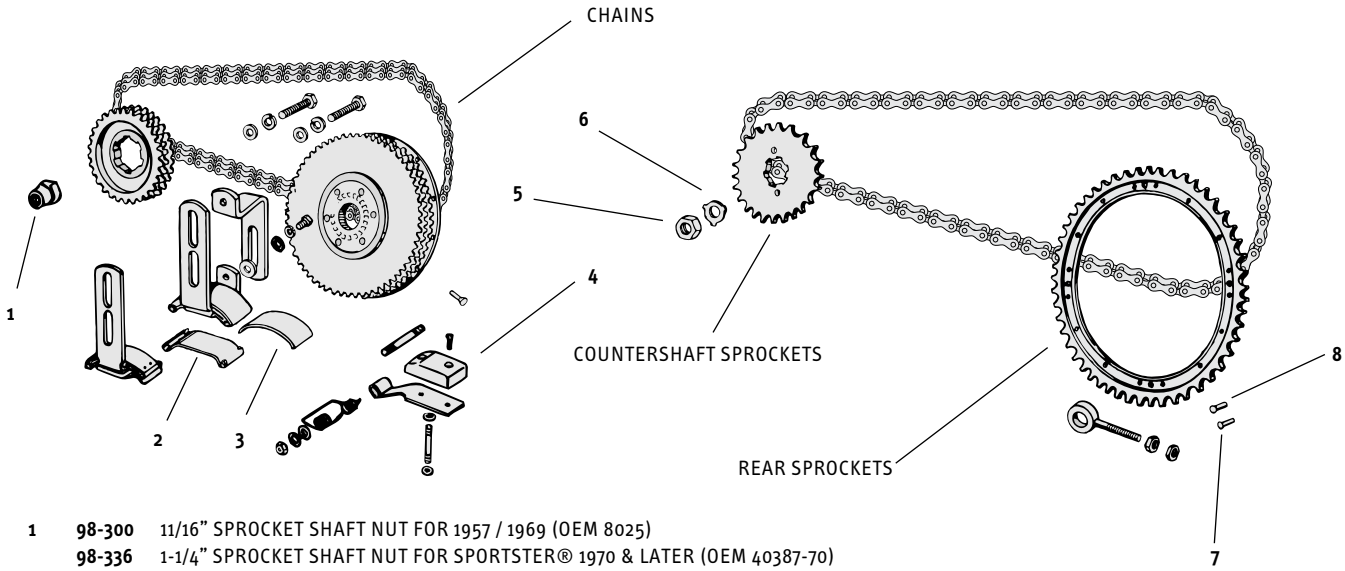
SEE COMPENSATING SPROCKET NUTS

1	94-138	MOTOR SPROCKET NUT FOR 1955 & LATER (OEM 24003-55)
	94-139	MOTOR SPROCKET NUT FOR 1930 / 1954 (OEM 24003-30)
2	5-138	CHAIN TENSIONER SHOE (OEM 39990-65)
3	5-137	ANCHOR PLATE (OEM 39998-65)
4	5-139	BOLT, NUT & WASHER (OEM 39992-65C) SOLD AS SET
5	5-201	BOLT (OEM 3862B) TWO REQUIRED
6	5-202	LOCK (OEM 39996-65)
7	5-203	PLATE (OEM 39993-65)
8	5-74	PAD ASSY. FOR 1965 & LATER (OEM 39976-65A)
9	96-320	STARTER RING GEAR FOR ALL 1965 / 1984 ELECTRIC START (OEM 33163-65B)
10	94-140	NUT (OEM 32511-36)
11	94-134	LOCK (OEM 35216-36)
12	94-142	DOWEL PIN FOR 1941 / 1966 (OEM 41485-30)
13	94-132	RIVET FOR 1967 / 1972 (OEM 8532)
	94-135	RIVET FOR 1948 / 1959 (OEM 8485)
	94-136	RIVET FOR 1960/ 1966 (OEM 8524)

7

DRIVE SYSTEM FOR SPORTSTER® EARLY MODELS

ALL PARTS SOLD EACH



1	98-300	11/16" SPROCKET SHAFT NUT FOR 1957 / 1969 (OEM 8025)
	98-336	1-1/4" SPROCKET SHAFT NUT FOR SPORTSTER® 1970 & LATER (OEM 40387-70)
2	5-82	RETAINER LATE FOR 1958 / 1976 (OEM 39979-58A)
3	5-75	PAD (OEM 39978-58)
4	5-109	NYLON CHAIN TENSIONER FOR 1979 & LATER (OEM 39966-80)
5	96-482	MAINSHAFT NUT FOR 1954 / 1970 (OEM 35047-53)
	96-338	MAINSHAFT NUT FOR 1971 & LATER (OEM 35047-71A)
6	94-133	SPROCKET LOCK (OEM 35050-52)
7	94-142	DOWEL PIN (OEM 41485-30) USE 4
8	94-135	RIVET FOR 1948 / 1959 (OEM 8485) USE 16

SPROCKET NUT



PLAIN METAL

Sprocket nut with seal. Fits Big Twin 1936 & later with 4 speed transmission.

94-174 Imported. SOLD EACH

A. *COMPENSATING SPROCKET KITS*

These kits include compensating sprocket nut, retainer and spring assembly, sliding cam for compensating sprocket, compensating sprocket and crankshaft extension.

94-332 For 1984 thru 1990 Softail® (shown). SOLD AS KIT
94-335 For 1991 thru 1993 (shown).
94-337 For 1994 thru 2006.
94-339 For 2006-later FXST & FLST.

B. *SLIDING CAMS*

94-331 For 1970 thru 1983. Replaces OEM 40299-70. SOLD EACH
94-334 For 1984 & later (shown). Replaces OEM 40299-83A.
94-181 For 2007 & later. Replaces OEM 40333-06.

C. *COMPENSATING SPROCKET COVER ASSEMBLY WITH SPRING*

Fits all model Big Twin. SOLD EACH

94-327 For 1970 thru 1982. OEM 40384-70.

D. *BDL COMPENSATOR SPROCKET*

Patented complete compensator sprocket assembly.

94-338 25 Tooth. For 1994 & later. SOLD AS KIT

E. *SPROCKET SHAFT EXTENSIONS*

For 1970 thru 1990 Softail®.

94-333 Stock length. Replaces OEM 40375-70. SOLD EACH

For Softail® 1991 & later, Dyna® 1991 & later, FLT 1985 & later, and FXR 1985 thru 1994.

94-336 Stock length (shown). Replaces OEM 40266-85. SOLD EACH
94-383 1/2" o.s. Length sprocket shaft.
94-382 1" o.s. Length sprocket shaft.

F. *SPROCKET NUTS*

For 1970 thru 1990.

94-263 Stock length. Replaces OEM 40392-70. SOLD EACH
94-385 1/2" o.s. Length shaft nut.
94-384 1" o.s. Length shaft nut.

For 1991 & later.

94-330 Stock length. Replaces OEM 40392-91. SOLD EACH
94-387 1/2" o.s. Length shaft nut.
94-386 1" o.s. Length shaft nut.

G. *COMPENSATING SPROCKETS FOR BIG TWIN*

For Big Twin 1970 thru 1982.

94-217 22 Tooth. OEM 40280-70. SOLD EACH
94-218 23 Tooth. OEM 40282-70.
94-219 24 Tooth. OEM 40275-70.

For FLT 1984, FXR 1982 thru 1984 and Softail® 1984 thru 1990.

94-270 24 Tooth. OEM 40275-83A. SOLD EACH

For FLT 1985 thru 1993, FXR 1985 thru 1993, Softail® 1991 thru 1993 and Dyna Glide® 1991 thru 1993.

94-271 24 Tooth. OEM 40269-85A. SOLD EACH

For Softail® 1994 thru 2006.

94-348 25 Tooth. OEM 40308-94. SOLD EACH

For Softail® 2007-later.

94-180 34 Tooth. OEM 40320-06. SOLD EAC

A



B



C



7

D





E



F



G



94-217



94-180

A









B



7

C



D



A. *PBI COUNTERSHAFT SPROCKETS*

These high quality sprockets are machined on computer controlled lathes from solid high grade alloy steel. They are broached specially for maximum spline-to-shaft contact providing optimum load bearing and then are heat-treated for long life and extended wear resistance.

ALL BIG TWIN 1936 THRU 1979

94-300 22 Tooth. OEM 35203-36. SOLD EACH
94-301 23 Tooth.
94-302 24 Tooth.
94-303 25 Tooth.

BIG TWIN 4 SPEED 1980 & LATER SOLD EACH
94-305 23 Tooth. OEM 33337-83.
94-306 24 Tooth.
94-307 25 Tooth.

SPORTSTER® 1954 THRU EARLY 1979
94-309 21 Tooth. OEM 35205-52A. SOLD EACH
94-310 22 Tooth.
94-311 23 Tooth.

SPORTSTER® 1991 & 1992
94-319 21 Tooth. SOLD EACH
94-320 23 Tooth. OEM 37709-89.

B. *OFFSET MOTOR SPROCKETS*

DESCRIPTION	24T PART NO.	25T PART NO.	
1/2" Offset	—	**96-868**	SOLD EACH

C. *COUNTERSHAFT SPROCKETS FOR BIG TWIN*

For all Big Twin 1930 thru 1979.
94-52 22 Tooth. OEM 35203-36. SOLD EACH
94-112 23 Tooth.
94-113 24 Tooth.
94-114 25 Tooth.
For Big Twin 4 speed 1980 thru 1985.
94-154 22 Tooth. OEM 33338-83. SOLD EACH
94-155 23 Tooth. OEM 33337-83.
94-164 24 Tooth.
94-165 25 Tooth.
For Big Twin 5 speed, chain drive, 1980 thru 1984.
94-213 21 Tooth. SOLD EACH
94-172 22 Tooth. OEM 33336-83.
94-214 23 Tooth.
94-215 24 Tooth.

D. *5 SPEED CONVERSION TO CHAIN WITH OFFSET*

Fits late 1994 & later but will also fit 1983 thru early 1993 if used with Midwest part No. **96-826** or OEM 33344-94 spacer, 12067A seal and 11165 O-ring. Use stock nut and lock plate Midwest part No. **94-381**.

.750 OFFSET — 530 CHAIN
94-1 With 21 tooth. SOLD EACH.
94-2 With 22 tooth.
94-3 With 23 tooth.
94-4 With 24 tooth.
94-5 With 25 tooth.

1.060 OFFSET — 530 CHAIN
94-6 With 23 tooth. SOLD EACH.
94-7 With 24 tooth.

A. *BELT TO CHAIN CONVERSION KIT FOR WIDE TIRE*

24 Tooth conversion kit allows for installation of up to 150 series tires. Can also be used for final drive ratio changes. The special offset sprocket and spacer moves the chain away from the tire. Kit fits Softail® models 1986 & later when using an FL rear chain sprocket. Fits FXR models 1985 & later when using an FXR rear chain sprocket.

94-284 Conversion kit. SOLD AS KIT

NOTE: Must use 1984 thru early 1994 transmission spacer OEM 33334-85 and seal OEM 12050 (our part No. **95-736**).

B. *PBI OFFSET MAINSHAFT SPROCKETS*

Fits Big Twin 5-speed models 1986-2006 (except 2006 6-speed DynaGlide®) Total offset of zero. Uses full spline of 0.7636 in.

94-126 Offset mainshaft sprocket, 23-24T. SOLD EACH

C. *ULTIMA REAR PULLEY / SPROCKET SPACERS*

1999 & earlier hubs		2000 & later hubs	
58-180	.125" Spacer (1/8").	**58-580**	.125" Spacer (1/8").
58-380	.250" Spacer (1/4").	**58-581**	.250" Spacer (1/4").
94-389	.3125" Spacer (5/16").	**58-582**	.3125" Spacer (5/16").
58-381	.375" Spacer (3/8").	**58-583**	.375" Spacer (3/8").
58-382	.500" Spacer (1/2").	**58-584**	.500" Spacer (1/2").
58-383	.750" Spacer (3/4").	**58-585**	.750" Spacer (3/4").
58-384	.937" Spacer (15/16").	**58-586**	.937" Spacer (15/16").
58-385	1.10" Spacer (1-7/64").	**58-587**	1.10" Spacer (1-7/64").
58-386	1.25" Spacer (1-1/4").	**58-588**	1.25" Spacer (1-1/4").

D. *.310" OFFSET SPROCKET KITS*

This kit is designed to move the sprockets and chain out on Big Twin models 1936 thru early 1979 using a disc brake rear wheel when switching to a wide rear tire.

94-281 22 Tooth sprocket kit. SOLD AS KIT
94-282 23 Tooth sprocket kit.
94-283 24 Tooth sprocket kit.

E. *BIG TWIN INNER PRIMARY SPACERS*

Billet 6061 aluminum spacers are used to offset the inner primary for custom wide tire applications. Used in conjunction with our offset transmission base plates, moving the driveline to the left can be a "bolt-on" operation.

96-839 1/4" Inner primary spacer. SOLD EACH
96-841 1/2" Inner primary spacer.
96-931 1/2" Inner primary spacer (polished).
96-861 3/4" Inner primary spacer.
96-930 3/4" Inner primary spacer (polished).
96-851 1" Inner primary spacer.
96-929 1" Inner primary spacer (polished).
96-884 1-1/4" Inner primary spacer.
96-927 1-1/4" Inner primary spacer (polished).
96-885 1-1/2" Inner primary spacer.
96-928 1-1/2" Inner primary spacer (polished).

96-840 Transmission plate for Softail® with 1/2" offset. SOLD EACH

A





B



C



SOLD EACH

D



E



F



G



H



F. *COUNTERSHAFT SPROCKET FOR H-D® 45"*

17 Tooth countershaft sprocket with seal. OEM 35204-41.

94-53 Fits all 45" and Servi-Car, 1941 thru 1967. SOLD EACH

G. *DISH TYPE REAR SPROCKET FOR FXR*

For FXR models 1982 thru 1985, with chain rear drive.

94-170 48 Tooth. OEM 40954-81. SOLD EACH
94-173 49 Tooth.
94-171 51 Tooth. OEM 40954-83.

H. *SPROCKETS FOR SPORTSTER®*

Fits Sportster® 1952 thru 1978. **PLEASE NOTE:** 24 Tooth sprocket requires extra clearance in the case and cover for the chain .

94-91 20 Tooth. SOLD EACH
94-92 21 Tooth.
94-84 22 Tooth.
94-124 23 Tooth.
94-125 24 Tooth.











CHROME PLATED



58-283

CHROME PLATED



58-285

7

E. *PULLEY INSERTS*

70 Tooth pulley for Big Twin 1980 & later.

58-267 Eight-hole insert. OEM 91733-85. SOLD EACH
58-283 Solid insert. OEM 91740-87.

65 Tooth pulley for Big Twin 1980 & later.

58-440 Eight-hole insert. OEM 40317-94. SOLD EACH

61 Tooth pulley for Big Twin 1980 & later and Sportster® 5 speed 1991 & later.

58-284 Eight-hole insert for Sportster®. OEM 40279-91. SOLD EACH
58-285 Eight-hole insert for Big Twin. OEM 40284-90.

7/16-14 x 1.5" Long; kit for Big Twin & Sportster®, rear pulley or rear sprocket, cast wheel. Replaces OEM 3769.

41-899 Colony kit. SOLD AS KIT
40-28 Midwest Acorn kit.

7/16-20 x 1.5" Long; kit for Big Twin, rear pulley, spoke wheel. Replaces OEM 4726.

41-900 Colony kit. SOLD AS KIT
40-27 Midwest Acorn kit.

7/16-20 x 1.25" Long; kit for Big Twin & Sportster®, rear sprocket. Replaces OEM 41197-73.

41-898 Colony kit. SOLD AS KIT

CHECK OUT HARDWARE KITS FOR REAR SPROCKET & PULLEY

A. *TRANSMISSION COUNTERSHAFT SPROCKETS FOR SPORTSTER®*

Fits Sportster® XL and XLS 1979 thru 1984.

94-161 21 Tooth. OEM 35205-79. SOLD EACH
94-163 22 Tooth.
94-160 23 Tooth.
94-162 24 Tooth.

Fits Sportster® late 1984 thru 1990.

94-176 21 Tooth. OEM 35208-84. SOLD EACH
94-177 22 Tooth.

B. *DRUM BRAKE SPROCKETS*

BIG TWIN

94-33 1930 Thru 1957. 51 Tooth. Includes rivets & dowels. Plain metal. OEM 41470-30. SOLD AS KIT
94-85 1962 Thru 1966. 51 Tooth. Includes rivets & dowels. Plain metal. OEM 41470-62. SOLD AS KIT
94-55 1967 Thru 1972. 51 Tooth. Includes rivets & dowels. Plain metal. OEM 41470-67. SOLD AS KIT

SPORTSTER®

94-33 Fits all years. 51 Tooth. Includes rivets & dowels. Plain metal. OEM 41470-30 & 41470-70. SOLD AS KIT

H-D® 45" 2-WHEELER

94-86 Fits 1932 thru 1952. OEM 41474-35. SOLD EACH

C. *DISC BRAKE SPROCKETS*

BIG TWIN

Fits 1973 thru 1985, 4 speed. Dished.

94-144 48 Tooth. Plain metal. SOLD EACH
94-143 48 Tooth. Chrome.
94-141 49 Tooth. Plain metal.
94-156 49 Tooth. Chrome.
94-95 51 Tooth. Plain metal. OEM 41470-73.
94-96 51 Tooth. Chrome. OEM 41470-73.

SPORTSTER®

Dished.

94-144 Fits 1979 thru 1981. 48 Tooth. Plain metal. SOLD EACH
94-143 Fits 1979 thru 1981. 48 Tooth. Chrome.
94-141 Fits 1979 thru 1981. 49 Tooth. Plain metal.
94-156 Fits 1979 thru 1981. 49 Tooth. Chrome.
94-95 Fits 1979 thru 1981. 51 Tooth. Plain metal. OEM 41470-73.
94-96 Fits 1979 thru 1981. 51 Tooth. Chrome. OEM 41470-73.

Flat (not dished).

94-168 Fits 1982 thru 1985. 47 Tooth. Plain metal.
94-169 Fits 1982 thru 1985. 48 Tooth. Chrome. OEM 41470-82.
94-97 Fits 1986 thru 1992. 47 Tooth. Chrome.
94-98 Fits 1986 thru 1992. 48 Tooth. Chrome. OEM 41470-86.
94-99 Fits 1986 thru 1992. 49 Tooth. Chrome.

D. *MOTOR SPROCKETS FOR BIG TWIN*

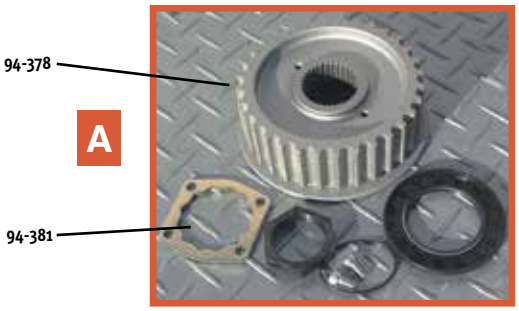
FOR TAPERED SHAFT SOLD EACH

94-118 23 Tooth. OEM 40210-30.
94-119 24 Tooth. OEM 40211-30.
94-120 25 Tooth. OEM 40212-30.

FOR LATE SPLINED SHAFT

94-167 22 Tooth. OEM 40209-55. SOLD EACH
94-122 24 Tooth. OEM 40211-55.
94-123 25 Tooth.

A. *MIDWEST* REPLACEMENT PULLEYS



TRANSMISSION PULLEY

94-378 32T Trans pulley. Fits 1985 & later if used with sprocket spacer part No. 96-826 below (order separately). Kit includes nut, lock, and lock bolts. — SOLD AS KIT

TRANS PULLEY HARDWARE

94-381 Mounting kit. Includes nut, lock and two bolts. Replaces OEM 35211-91, 40251-91, and 3594. — SOLD AS KIT

96-825 Trans sprocket spacer, .85", for late 1984 thru early 1994. Replaces OEM 33334-85. — SOLD EACH

96-826 Trans sprocket spacer, .60", for late 1994 & later. Replaces OEM 33344-94. — SOLD EACH

B. *FINAL DRIVE TRANSMISSION PULLEYS FOR BIG TWIN BY B.D.L.*

B



94-367

Trans pulleys made of 356T6 aluminum, hard anodized for longer life. Lighter weight helps increase main bearing life also. **Note:** if you change from the stock ratio, the belt may need to be changed as well.

4 SPEED 1979 THRU 1984 — SOLD EACH

94-367 32 Tooth. Stock.
94-368 33 Tooth.

5 SPEED — SOLD EACH

94-276 34 Tooth.
94-277 33 Tooth.
94-278 32 Tooth. Stock; replaces OEM 40210-85D.
94-279 30 Tooth.
94-280 29 Tooth.

C. *ANDREWS TRANSMISSION PULLEY FOR 5 SPEED BELT DRIVES*

C



94-265

ANDREWS



94-297

BELT DRIVE PULLEY RATIOS 1985 THRU 1993 (37T CLUTCH — 24T ENGINE SPROCKET)

TRANS.	REAR WHEEL[1]	OVERALL[2]
29	70	3.72
30	70	3.60
32 (Stock)	70	3.37
34	70	3.17
29	61	3.24
30	61	3.13
32 (Stock)	61	2.94
34	61	2.76

BELT DRIVE PULLEY RATIOS 1994 & 1995 (36T CLUTCH — 25T ENGINE SPROCKET)

TRANS.	REAR WHEEL[3]	OVERALL[2]
29	70	3.48
30	70	3.36
32 (Stock)	70	3.15
34	70	2.96
29	65	3.23
30	65	3.12
32 (Stock)	65	2.93
34	65	2.75

NOTE 1: 1993 Softails® use 61T rear wheel sprockets.
NOTE 2: Overall ratio = Engine revs per rear wheel rev. High numbers for acceleration; low for cruising.
NOTE 3: 1995 Softails® use 65T rear wheel sprockets.

For better acceleration: 29T Power pulley — 9% more RPM.

94-264 For 1985 thru 1993. — SOLD EACH
94-297 For 1994 & later.

For better acceleration: 30T Power pulley — 6% more RPM.

94-298 For 1994 & later. — SOLD EACH

For smoother cruising: 34T Overdrive pulley — 6% more RPM. 180 RPM engine RPM @ 60 MPH.

94-265 For 1985 thru 1993. — SOLD EACH
94-299 For 1994 & later.

A



B



9-SPOKE



MALTESE

D



F



41-900

A. *ULTIMA® BAYONETT II® CNC MACHINED, POLISHED ALUMINUM 1-1/2" BELT DRIVE PULLEYS*

1984 THRU 1999, 1-1/2"
94-900 65 TOOTH
94-901 70 TOOTH

2000 & LATER, 1-1/8"
94-917 65 TOOTH
94-921 70 TOOTH

WIDE TIRE APPLICATION USING 1" DIA. AXLE
94-925 65 TOOTH, 1-1/2", 2.22" I.D.
94-929 70 TOOTH, 1-1/2", 2.22" I.D.
94-933 65 TOOTH, 1-1/8", 2.22" I.D.
94-937 70 TOOTH, 1-1/8", 2.22" I.D.

B. *POLISHED CNC MACHINED ALUMINUM BELT DRIVE PULLEYS*

CNC machined, polished aluminum belt drive pulleys to match our CHROME HORSE® custom billet wheels and CHROME HORSE® stainless steel rotors.

94-573 **9-Spoke, 2000 & later 1-1/8", 65 tooth, Chrome.**

WIDE TIRE APPLICATION USING 1" DIA. AXLE
94-518 **Maltese, 1-1/8", 2.22 I.D., 65 tooth**
94-579 **9-Spoke, 1-1/8", 2.22 I.D., 70 tooth, Chrome.**

C. *BILLET FINAL DRIVE REAR REPLACEMENT PULLEYS FOR BIG TWIN 1984 & LATER BY B.D.L.*

Patent pending billet aluminum belt drive pulley bolt cover, bottom plate, O-ring and cover.

94-476 Polished kit. SOLD AS KIT

D. *PULLEY BLANK*

Billet aluminum undrilled pulley blank. 65T, accepts up to 1-3/8" belt width. Center ID measures 1.995". SOLD EACH

94-950 Pulley blank.

E. *1" REPLACEMENT BELTS*

58-476 130 Tooth replacement belt. SOLD AS KIT
58-477 132 Tooth replacement belt.
58-478 133 Tooth replacement belt.
58-479 136 Tooth replacement belt.



WARNING!
The 1" belt is not intended for use on stock 1-1/2" width rear pulleys. This belt is intended for custom applications utilizing fitted 1" rear pulleys. Care should be taken to assure proper tension and alignment by a trained mechanic in order to prevent premature failure. There is no warranty implied or otherwise, nor does the manufacturer, or distributor, assume any liability on this product which is solely intended for custom applications. This one inch wide belt is not as durable as stock 1-1/2" wide belt manufactured from the same material. Use of this belt is at owner's risk.

F. *HARDWARE KITS FOR REAR SPROCKET & PULLEY*

High quality **U.S.A. MADE** chrome hardware kits for popular applications

7/16-14 x 1.5" Long; kit for Big Twin & Sportster®, rear pulley or rear sprocket, cast wheel. Replaces OEM 3769.
41-899 Colony kit. SOLD AS KIT
40-28 Midwest Acorn kit.

7/16-20 x 1.5" Long; kit for Big Twin, rear pulley, spoke wheel. Replaces OEM 4726.
41-900 Colony kit. SOLD AS KIT
40-27 Midwest Acorn kit.

7/16-20 x 1.25" Long; kit for Big Twin & Sportster®, rear sprocket. Replaces OEM 41197-73.
41-898 Colony kit. SOLD AS KIT

A. *REAR AXLE BLOCK ADJUSTER FOR H-D®*

Rear axle block adjusters for late model swing arms aid in better alignment of rear axle and help prevent swing arm tube collapse due to over tightening. Replaces OEM 41570-77.

5-130 Fits FX & FL, 1973 thru 1985 (except FXRS, FXRT, FLT & FLHT, 1984 & 1985), also fits FXR 1982 thru 1989, FLT 1980 thru 1983, XLCR 1977 & 1978, and XL 1979 thru 1989. SOLD AS PAIR

A



B. *REAR AXLE ADJUSTERS FOR SOFTAIL®*

CHROME STEEL AXLE ADJUSTER KITS

5-235 For Softail® 1987 thru 1999. Replaces OEM 47577-86, 47579-86 & 7783. SOLD AS KIT

CHROME HEX HEAD ADJUSTER BOLT

5-146 For 1986 thru 1992. 3/8-16 x 2.50", OEM 47579-86 & 7783. Colony. SOLD AS KIT

41-128 For 1993 thru 1999. 3/8-16 x 3.0", OEM 47579-93.Colony. SOLD AS KIT

CHROME AXLE ADJUSTER SPACER

5-147 Fits 1986 thru 1999, chrome. OEM 47577-86. SOLD AS PAIR

B



5-235

ALL PARTS CHROME PLATED



5-146



5-147

C. *REAR CHAIN ADJUSTERS*

These are high quality heat treated & chrome plated. They are available with chrome plated lock nuts assembled to insure properly fitting threads.

5-62 For Sportster® 1978 & earlier. SOLD AS PAIR

5-61 For Big Twins 1936 thru 1972. SOLD AS PAIR

5-63 For FL & FX 1973 thru 1985, Softail® 1984 & 1985 and Sportster® 1979 & later. SOLD AS PAIR

5-77 Cover, rear fork end & nuts for above part No. 5-63. Colony. SOLD AS KIT

41-108 Swingarm adjuster & end plates for Dyna® 1991 & later. SOLD AS KIT

41-109 Swingarm end plates for Dyna® 1991 & later. SOLD AS PAIR

41-114 Rear axle adjuster for FLST 2000. OEM 47579-00. SOLD AS PAIR

C



5-63



5-62

5-61





5-77



41-108



41-109



41-114

D



CHROME PLATED

7

A



CHROME PLATED

B



CHROME PLATED END CAPS

C



D



5-158



5-179



5-187



5-161



5-180



5-153

E



A. *REAR AXLE ADJUSTERS*

Rear pyramid axle adjusters with incremental measurements for precise adjusting. Fits FL 1973 thru 1985, FX 1973 & later (except Softail®), and Sportster® 1979 & later.

5-175 Rear axle adjuster. SOLD AS PAIR

B. *"PYRAMID" AXLE ADJUSTERS*

Axle adjuster with chrome end caps of die-cast steel. The chrome-steel nuts have a long shank tapped to allow a full range of axle adjustment.

5-119 Fits 1973-85 FL, FX, 1980-86 FXWG, 1984-85 FXST and 1979-91 XL. OEM #47554-73A. SOLD AS PAIR

C. *HYDRAULIC AUTOMATIC CHAIN TENSIONER*

This new automatic chain tensioner uses the oil in the primary as its own reservoir. It has its own pump and operates like a hydraulic lifter in the engine. Once you install it there is no need to adjust the primary chain again. It will hold up to engines over 100hp. It maintains a constant zero lash between acceleration and deceleration. No more chain slap inside expensive primary cases or excessive vibration.

5-234 Hydraulic chain tensioner for 1965 thru 2006. SOLD EACH

D. *M6 AUTOMATIC CHAIN TENSIONERS*

BIG TWIN

The **U.S.A. MADE** M6 automatically adjusts the primary chain on Big Twin. Now you can have the proper chain tension during acceleration & deceleration with the big benefit of improved shifting. Other benefits include prolonged chain life & less vibration because of the constant control of the primary chain. Installation time needed is less than 1 hour.

5-158 Fits all Big Twin 1965-2000, including TC88® models. SOLD AS KIT

5-153 Fits all Big Twin TC88® models 2001-2006. SOLD AS KIT

5-161 Fits Big Twin models 2007-later, & Dyna® 2006-later. SOLD AS KIT

5-159 **Re**placement shoe only. Fits above kits. SOLD EACH

SPORTSTER®

The M6 chain tensioner, when installed in your primary case, automatically self-adjusts the tension on the primary chain to provide constant and even tension which improves your transition in gear shifting, reduces shifting noise, extends chain life and makes for a much smoother ride.

5-179 Chain tensioner for Sportster® with 4 speed, 1977 thru 1990. SOLD AS KIT

5-180 Chain tensioner for Sportster® with 5 speed, 1991 thru 2003.

5-187 Chain tensioner for Sportster® with 5 speed, 2004 & up.

E. *DIAMOND® MOTORCYCLE CHAIN*

NOTHING OUTLASTS A DIAMOND!®

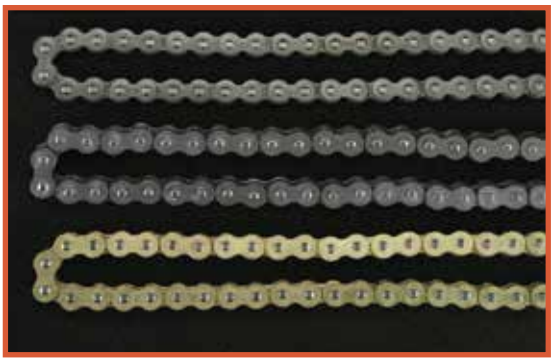
BULK CHAIN PARTS

63-67 530 XLO connecting link

67-75 530 Bulk chain (part no. per ft.)

ULTIMA® FINAL DRIVE CHAINS

52-256
52-264
52-272



Ultima® Chains are engineered to strict standards for use in high horsepower applications & offered in 120 link lengths or 25 foot rolls. 530 standard chain has an ultimate tensile strength of 7200 lbs. XBL, XLO & ENP chains have an ultimate tensile strength of 8900 lbs. Rollers, bushings & plates are designed for reduced wear & long lasting performance.



MASTER LINK



HALF LINK

When removing or installing Ultima® Chains it is recommended that sprocket wear be checked at the same time & replace as necessary.

Ultima® Chains & components are not interchangable with other chain manufacturers' products.

25FT ROLL



7

STANDARD = Durable carbon steel chain.

XBL = O-ring chain. Has oil impregnated bushings that provides the chain with lasting built-in protection. The need for periodic lubrication is reduced.

XLO = Ultima's top of the line O-ring chain that can sustain heavy workloads. Sealed lubrication to help reduce contamination.

ENP = Durable nickel plated O-ring chain.

SOLD EACH

	CHAIN SIZE	STANDARD	XBL	XLO	XLO SILVER	XLO GOLD	ENP
FINAL DRIVE CHAIN	530/120	52-256	52-260	52-264	52-268	52-272	52-276
BULK CHAIN	25 FT. ROLL	52-257	52-261	52-265	52-269	52-273	52-277
530 MASTER LINK	LINK	52-258	52-262	52-266	52-270	52-274	52-278
530 HALF LINK	HALF LINK	52-259					

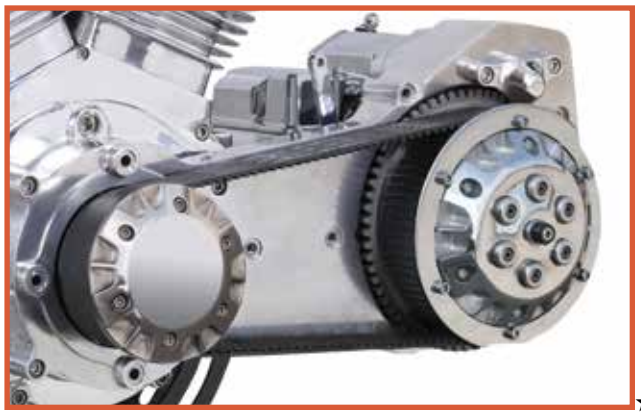
ULTIMA® PRIMARY CHAINS



52-280 74" & 80" Primary standard, 1983 & earlier, also FXST & FLST, 1984 & later. **428/2/82**

52-281 80" Primary 1984 & later FLT, FXRS, FXRT. **428/2/76**

ULTIMA® 2" EVO & TWIN CAM® SOFTAIL® PRIMARY BELT DRIVE

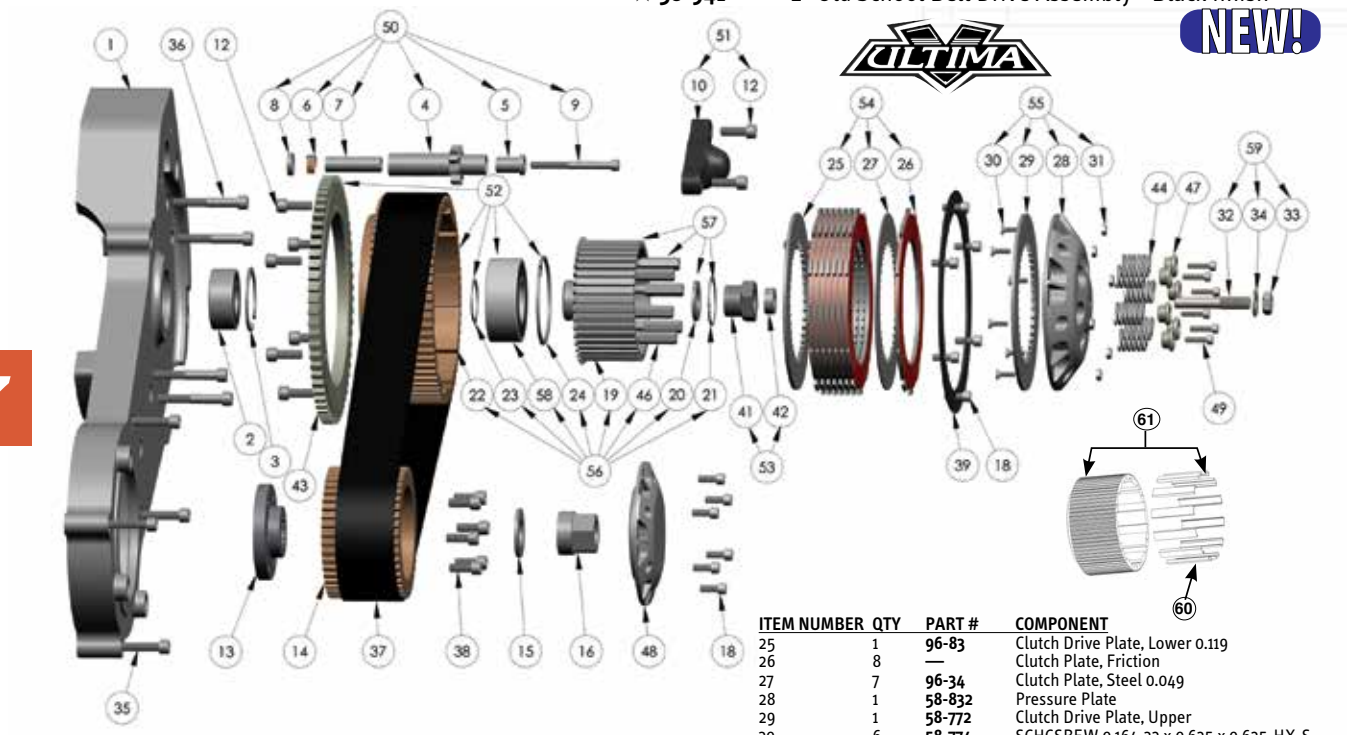


Midwest's commitment to engineering excellence and competitive pricing are very apparent in Ultima's 2" Old School belt drive assembly, where form and function meet. With High Performance Alto clutch plates and a 2" Goodyear belt, this high quality belt drive assembly will surely enhance the look and performance of any American motorcycle. Designed to withstand all the pavement pounding power you can throw at it, and with a more centered weight distribution this belt drive is a textbook example of getting the most "bang for your buck". **For Evo & Twin Cam® Softail® and custom applications.**

*Instructions included and available online @ www.ultimaproducts.com.

BELT DRIVE ASSEMBLIES

58-850 2" Old School Belt Drive Assembly - Polished
58-851 2" Old School Belt Drive Assembly - Machine finish
★ **58-941** 2" Old School Belt Drive Assembly - Black finish



ITEM NUMBER	QTY	PART #	COMPONENT
1	1	**58-940**	Motor Plate, Cast, Softails® 90'-06'
2	1	**58-707**	Bearing, Ball, Double Row Angular Contact, INA 3200 Series
3	1	**58-708**	N5000-206 Snap Ring
4	1	**58-710**	Gear, Starter Drive, One Piece
5	1	**58-711**	Starter Bushing
6	1	**58-712**	Starter Spring
7	1	**58-713**	Starter Spacer
8	1	**58-714**	Spring Stop
9	1	**58-718**	Starter Bolt--1/4-20 x 2.75
	1	**58-719**	Starter Bolt--10-32 x 2.75
10	1	—	Cover, Starter Gear
12	2	**58-798**	SHCS 0.3125-18 x 0.875 x 0.875-S
13	1	**58-605**	Collar, Sprocket Shaft, no offset
		IMPORT	USA MADE
		***58-606**	— 1/4" Offset Collar, Sprocket Shaft
		***58-607**	— 1/2" Offset Collar, Sprocket Shaft
		***58-608**	— 3/4" Offset Collar, Sprocket Shaft
		***58-609**	— 1" Offset Collar, Sprocket Shaft
		***58-610**	— 1-1/4" Offset Collar, Sprocket Shaft
		***58-611**	— 1-1/2" Offset Collar, Sprocket Shaft
		***58-612**	***58-106** 1-3/4" Offset Collar, Sprocket Shaft
		***58-613**	— 2" Offset Collar, Sprocket Shaft
14	1	**58-824**	Pulley, Motor 45T 2" Drive
15	1	**58-726**	Washer, 1.655 x 0.94 x 0.125
16	1	**58-723**	HTNUT 0.8750-14-D-S
		***58-724**	Nut, Motor Pulley long (for 1-1/2-1-3/4" offset collar)
18	12	**58-736**	SHCS 0.25-20 x 0.625 x 0.625-S
19	1	**58-828**	Clutch Hub
20	1	**58-756**	Washer, Clutch Hub
21	1	**58-757**	N5000-137 Snap Ring
22	1	**58-826**	Pulley, Transmission 71T
23	1	**58-739**	Retaining Ring, Clutch Assy Inner
24	1	**58-738**	Retaining Ring, Clutch assy Outer

ITEM NUMBER	QTY	PART #	COMPONENT
25	1	**96-83**	Clutch Drive Plate, Lower 0.119
26	8	—	Clutch Plate, Friction
27	7	**96-34**	Clutch Plate, Steel 0.049
28	1	**58-832**	Pressure Plate
29	1	**58-772**	Clutch Drive Plate, Upper
30	6	**58-774**	SCHCSREW 0.164-32 x 0.625 x 0.625-HX-S
31	6	**58-773**	MSHXNUT 0.164-32-S-N
32	1	**58-780**	SSFLATSKT 0.4375-20 x 1-HX-S
33	1	**58-781**	HJNUT 0.4375-20-D-S
34	1	**58-782**	FW 0.4375
35	4	**58-797**	SHCS 0.3125-18x1.5x1.5-S
36	4	**58-799**	SHCS 0.3125-18x2.25x1.125-S
37	1	**58-752**	Belt, GoodYear 2" 8mm 140t minus 3
	1	**58-901**	Belt, GoodYear 2" (use w/**58-940** motor plate)
38	6	**58-796**	SHCS 0.3125-18 x 0.75 x 0.75-S
39	1	**58-761**	Belt Guide, Ultima 2" Trans Pulley
41	1	**58-741**	HTNUT 0.75-16-D-S
42	1	**95-778**	Clutch Rod Seal
43	1	**58-735**	Gear, Starter Ring
44	6	**96-251**	Spring, Clutch - Medium (68lb @ 1")
	6	**96-249**	Spring, Clutch - Heavy Duty (82lb @ 1")
	6	**96-250**	Spring, Clutch - Extra Heavy Duty (98lb @ 1")
46	6	**58-833**	Clutch Spring Stud
47	6	**58-852**	Clutch Spring Guide
48	1	**58-867**	Motor Pulley Cap
49	6	**58-835**	Socket head cap screw
50	1	**58-633**	Gear Assembly, Starter Drive
51	1	**58-720**	Cover Assembly, Starter Gear
12, 52, 56	1	**58-834**	Complete Clutch Hub Assembly
52, 12	1	**58-825**	Transmission Pulley Assembly 71T
		58-923	Transmission Pulley, bare, w/stainless inserts 71T
		58-925	Stainless inserts for 2" pulley. Pkg.
53	1	**58-622**	Clutch Retaining Nut Assy
54	1	**58-769**	Complete Replacement Clutch Assy
55	1	**58-829**	Pressure Plate Assembly
57	1	**58-827**	Clutch Hub Assembly
58	1	**58-737**	Bearing, Ball, Double Row Angular Contact, INA 3200 Series
59	1	**58-779**	Clutch Adjuster Assy
60	1	**58-925**	Pulley Inserts only, 2"
61	1	**58-923**	Outer Pulley 71T w/inserts, 2"

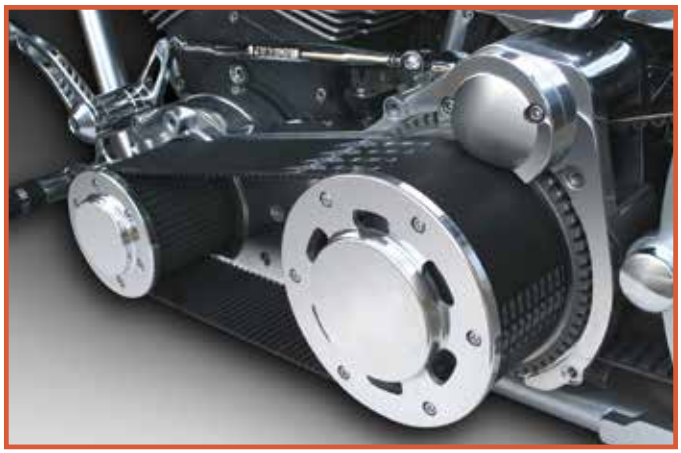
ULTIMA® EVO & TWIN CAM® SOFTAIL® 3.35" PRIMARY BELT DRIVES



ULTIMA DRAG RACE STYLE
PATENT# D,555,069



58-946



ULTIMA STREET STYLE



58-947

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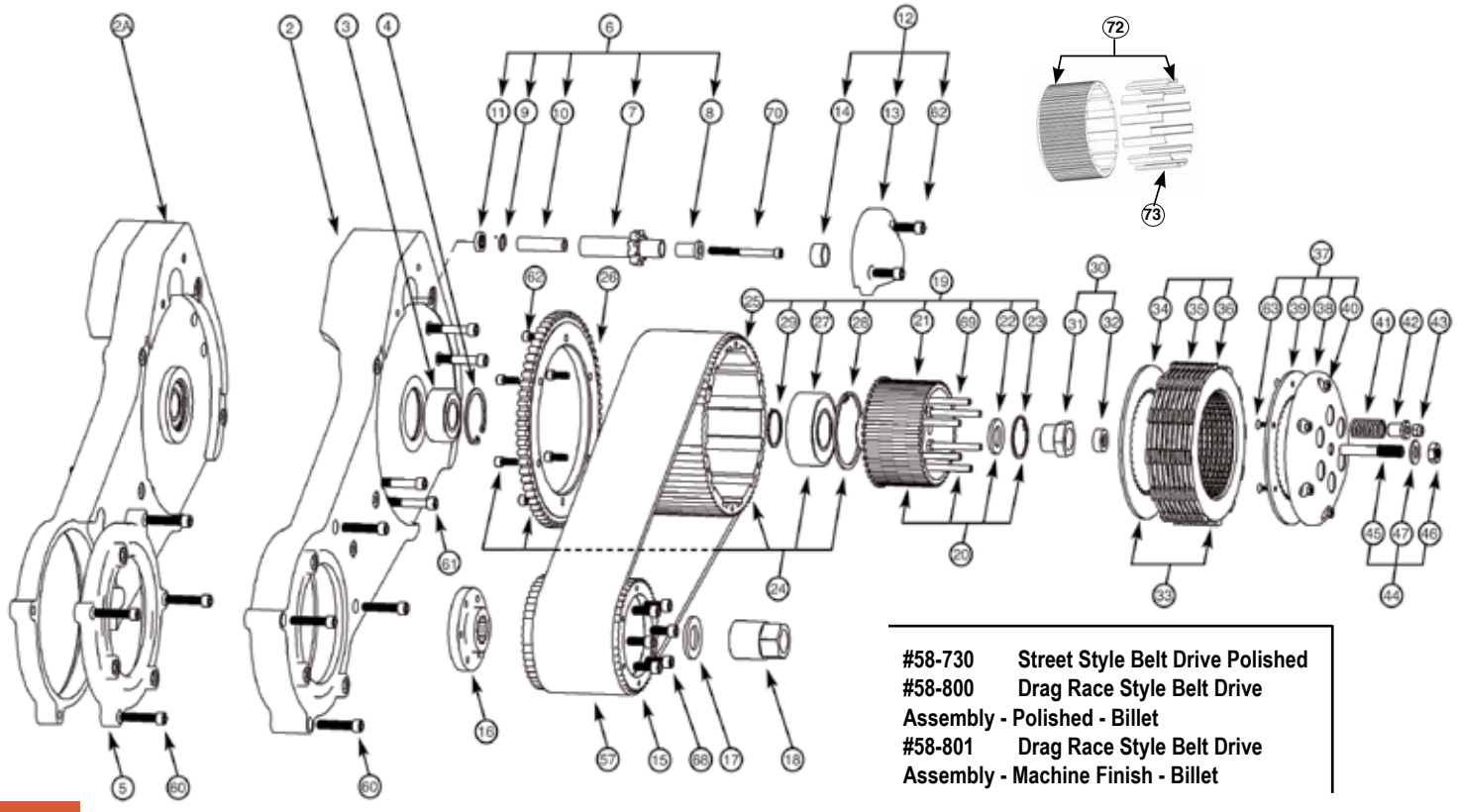
Ultima's 3.35" belt drive assembly revives the Old School drag race style primary drive at a new affordable price. The Drag Race style unit with features like the out board bearing support, extra plate clutch assembly and Goodyear 85mm wide (3.35") belts was designed to handle all the power you can throw at it. If you need to keep some extra cash try out the street version which has all the same features without the added cost of the out board bearing support. The Street units feature the same machining as the Drag Race Style so they can be upgraded with outboard supports anytime. **For Evo & Twin Cam® Softail® and custom applications.**

*Instructions included and available online @ www.ultimaproducts.com.

BELT DRIVE ASSEMBLIES

58-700	Cast Drag Race Style Belt Drive Assembly-- Polished, 1990-2006.	NEW!
★ **58-946**	Cast Drag Race Style Belt Drive Assembly-- Black 1990-2006.	
58-800	Billet Drag Race Style Belt Drive Assembly-- Polished, 1990-2006.	
58-801	Billet Drag Race Style Belt Drive Assembly -- Machined Finish only, 1990-2006.	
58-730	Street Style Belt Drive Assembly--Polished, cast backing plate, 1990-2006.	
★ **58-947**	Street Style Belt Drive Assembly--Black, cast backing plate, 1990-2006.	

NOTE: Softail® belt drive new for 2011. Revised fitment for 1990-2006. Check online for fitment updates. www.ultimaproducts.com



#58-730 Street Style Belt Drive Polished
#58-800 Drag Race Style Belt Drive Assembly - Polished - Billet
#58-801 Drag Race Style Belt Drive Assembly - Machine Finish - Billet

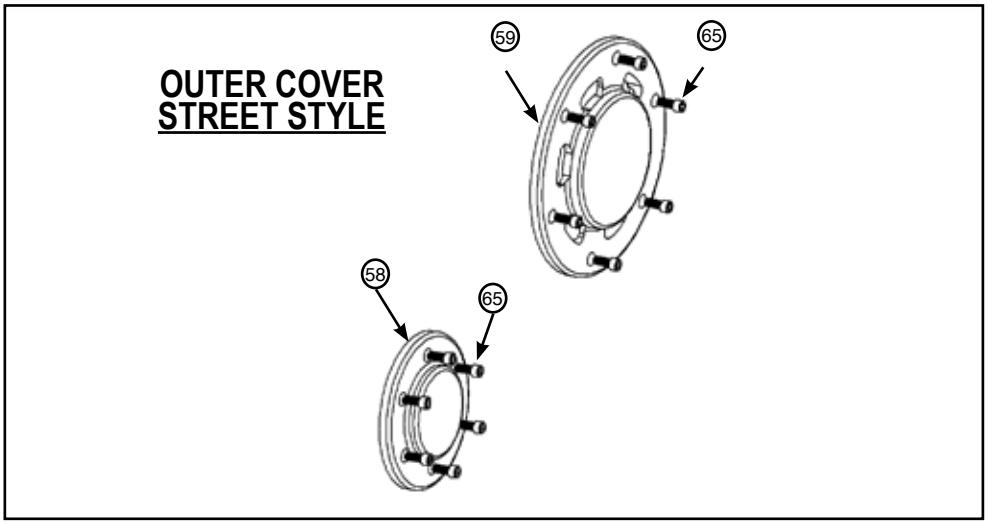
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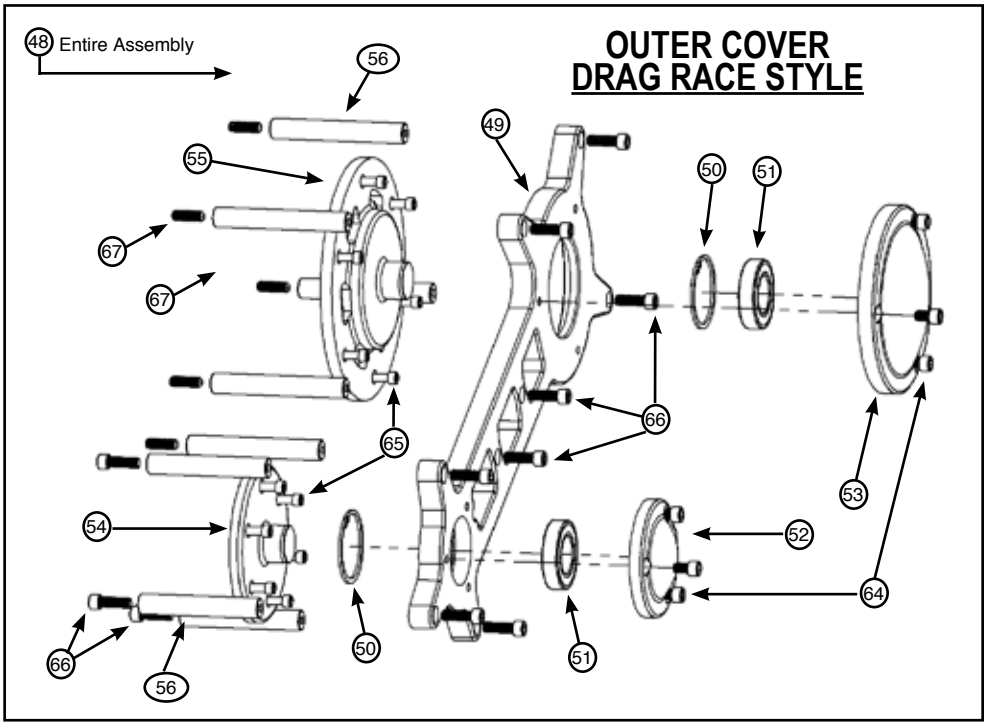
NOTE: Motor plates **58-940** & **58-935** have the part number stamped on the motor plate itself. Located on area behind the clutch basket. Also see fitment updates online at www.ultimaproducts.com.

1. Complete Assembly
2. **58-940** Motor Plate Assy. - Cast, includes #3 & #4 Fits Softails® 1990-2006
2A. **58-935** Motor Plate Assy. - Billet, includes #3 & #4 Fits Softails® 1990-2006
3. **58-707** Bearing, Ball, Double Row Angular Contact,
4. **58-708** Snap Ring
5. — Motor Sub Plate (Billet Motor Plate Only)
6. **58-633** Gear Assembly, Starter drive
7. **58-710** Gear, Start Drive, One piece
8. **58-711** Starter Gear Bushing
9. **58-712** Starter Spring
10. **58-713** Starter Gear Spacer
11. **58-714** Spring Stop
12. **58-715** Cover Assembly, Starter Gear
13. — Cover, Starter Gear
14. **58-717** Bushing, Starter Gear
15. **58-725** Pulley, Motor 45T
16. **58-605** 0" Offset Collar, Sprocket Shaft

IMPORT	USA MADE	
*58-606	—	1/4" Offset Collar, Sprocket Shaft
*58-607	—	1/2" Offset Collar, Sprocket Shaft
*58-608	—	3/4" Offset Collar, Sprocket Shaft
*58-609	—	1" Offset Collar, Sprocket Shaft
*58-610	—	1-1/4" Offset Collar, Sprocket Shaft
*58-611	—	1-1/2" Offset Collar, Sprocket Shaft
*58-612	*58-106	1-3/4" Offset Collar, Sprocket Shaft
*58-613	—	2" Offset Collar, Sprocket Shaft

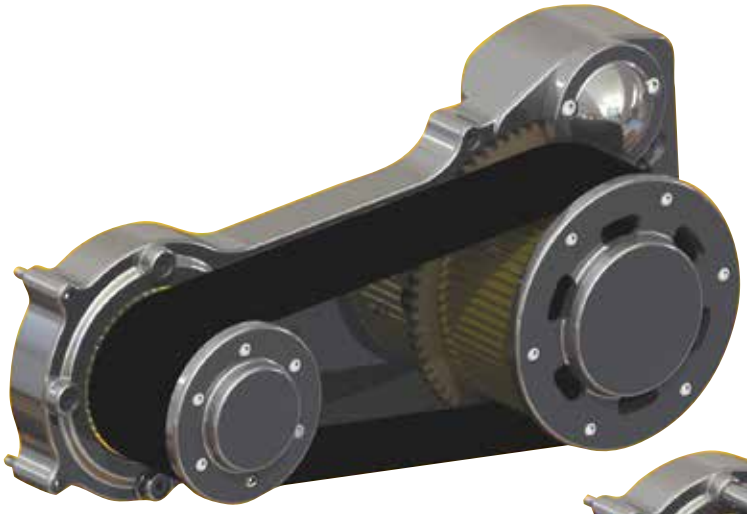
17. **58-726** Washer, 1.655 x .94 x .125
18. **58-727** Nut, Motor Pulley
*58-724 Nut, Motor Pulley long (for 1-1/2-1-3/4" offset collar)
19. **58-728** Complete Trans Pulley Assembly Includes 62, 26, 29, 24, 20.
20. **58-729** Clutch Hub Assembly
21. **58-755** Clutch Hub
22. **58-756** Washer, Clutch Hub
23. **58-757** Snap Ring
24. **58-733** Trans Pulley Assy 71T w/BRG (Includes 62, 26, 27, 28)
25. **58-922** Transmission Pulley, bare, w/stainless inserts 71T
58-924 Stainless inserts for 2" pulley. Pkg.
26. **58-735** Gear, Starter Ring
27. **58-737** Bearing, Ball, Double Row Angular Contact
28. **58-738** Retaining Ring, Clutch Assy Outer
29. **58-739** Retaining Ring, Clutch Assy inner
30. **58-622** Clutch Retaining Nut Assy
31. **58-741** Clutch Retaining Nut
32. **95-778** Clutch Rod Seal
33. **58-760** Complete Replacement Clutch Assy., 9 friction, 9 steel plates
34. **96-83** Clutch Drive Plate, Inner .119 Thick
35. — Clutch Plate, Friction
36. **96-34** Clutch Plate, Steel .049 Thick
37. **58-770** Pressure Plate Assembly
38. **58-771** Pressure Plate
39. **58-772** Clutch Drive Plate, Outer
40. **58-773** Nut .164-32-S-N (6)
41. **58-776** Clutch Spring - Medium (68lb @ 1")
96-252 Clutch Spring - Heavy Duty (82lb @ 1")
96-253 Clutch Spring - Extra Heavy Duty (105lb @ 1")
42. **58-777** Clutch Spring Guide
43. **58-778** Ny-Loc nut 1/4 - 28
44. **58-779** Clutch Adjuster Assy.
45. **58-780** Clutch Adjuster 0.4375-20x1-HX-S





46. **58-781** NUT 0.4375-20-D-S
47. **58-782** FW 0.4375
48. **58-917** Outboard Support Kit, must be used w/motor plate **58-935** or **58-940**
49. **58-916** Cover, Outer, must be used w/motor plate **58-935** or **58-940**
50. **58-786** Retaining Ring
51. **58-787** Bearing, Radial Ball, Single Row
52. **58-812** Cap One, Outer Cover
53. **58-813** Cap Two, Outer Cover
54. **58-815** Cap, Motor Pulley - w/ Outboard Support
55. **58-814** Cap, Trans Pulley - w/ Outboard Support
56. **58-793** Spacers, Outer Cover; (5)4.360", (3)3.920"
57. **58-751** Belt, Ultima / Goodyear 3.35" 8mm 140T -3
    58-903 Belt, Ultima / Goodyear 3.35" 8mm 140T, must be used w/Motor plate **58-935** or **58-940**
58. **58-767** Motor Pulley Cap, w/o Outboard support
59. **58-765** Transmission Pulley Cap, w/o Outboard support
60. **58-797** SHCS 0.3125-18x1.5x1.5-S (4)
61. **58-799** SHCS 0.3125-18x2.25x1.125-S (4)
62. **58-798** SHCS 0.3125-18x0.875x0.875-S (2)
63. **58-774** SCHCSCREW 0.164-32x0.625x0.625-HX-S (6)
64. **58-790** SHCS 0.3125-18x.5x.5-S (6)
65. **58-736** SHCS 0.25-20x0.625x0.625-S (12)
66. **58-794** SHCS 0.3125-18x1x1-S (11)
67. **58-795** SSFLATSKT 0.3125-18x1-HX-S (5)
68. **58-796** SHCS 0.3125-18x0.75x0.75-S (6)
69. **58-775** Clutch Spring Stud (6)
70. **58-718** Starter Bolt .25-20x2.75 (1) (90'-93' Starter OEM / Thunderfire)
71. **58-719** Starter Bolt 10-32x2.75 (1) (94' & later Starter OEM)
72. **58-922** Outer Pulley 71T w/inserts, 3.35"
73. **58-924** Pulley Inserts only, 3.35"

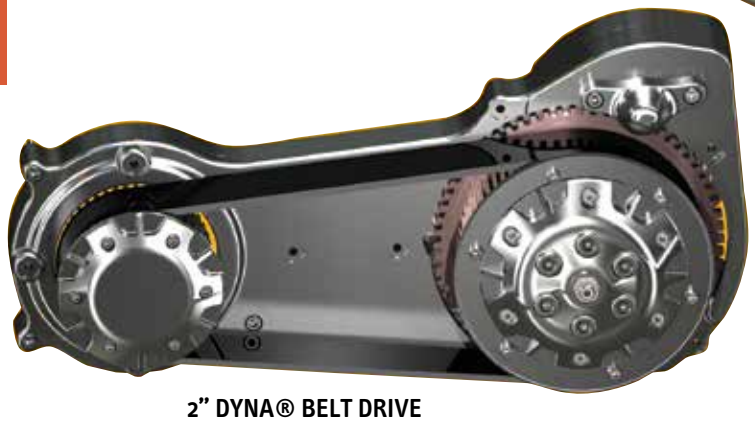
ULTIMA® EVO & TWIN CAM® DYNA® PRIMARY BELT DRIVES



3.35" DYNA STREET STYLE



3.35" DYNA DRAG STYLE



2" DYNA® BELT DRIVE

Ultima Dyna® Beltdrive Kits fit both Evo and TwinCam 1990-2006 Dynas with no modifications needed. Looks have been revised with a smoother outline. The aluminum backing plate is billet 6061-T6. This will give your bike the unique look of an open beltdrive. The option for an outboard support is also available. Please check out the new list of outboard supports that are now offered for these models. *Instructions included and available online @ www.ultimaproducts.com.

2" DYNA® BELT DRIVE

58-900 2" Belt Drive Assembly

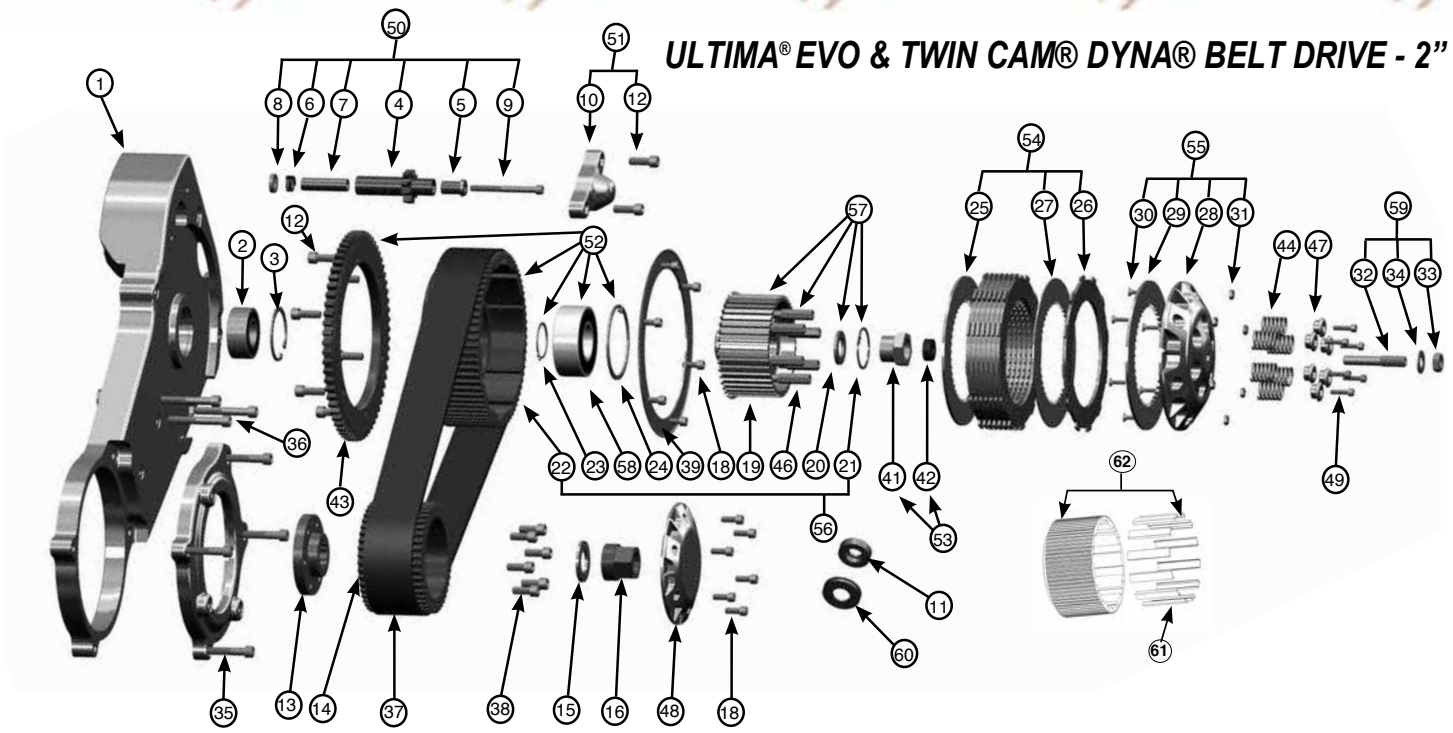
3.35" DYNA® BELT DRIVE

58-902 3.35" Belt Drive Assembly, Street Style
58-904 3.35" Belt Drive Assembly, Drag Style

REPLACEMENT BELTS

58-901 2" Belt, Goodyear 140T
58-920 2" Belt, Goodyear 140T, -.015 length
58-903 3.35" Belt, Goodyear 140t
58-921 3.35" Belt, Goodyear 140t, -.015 length

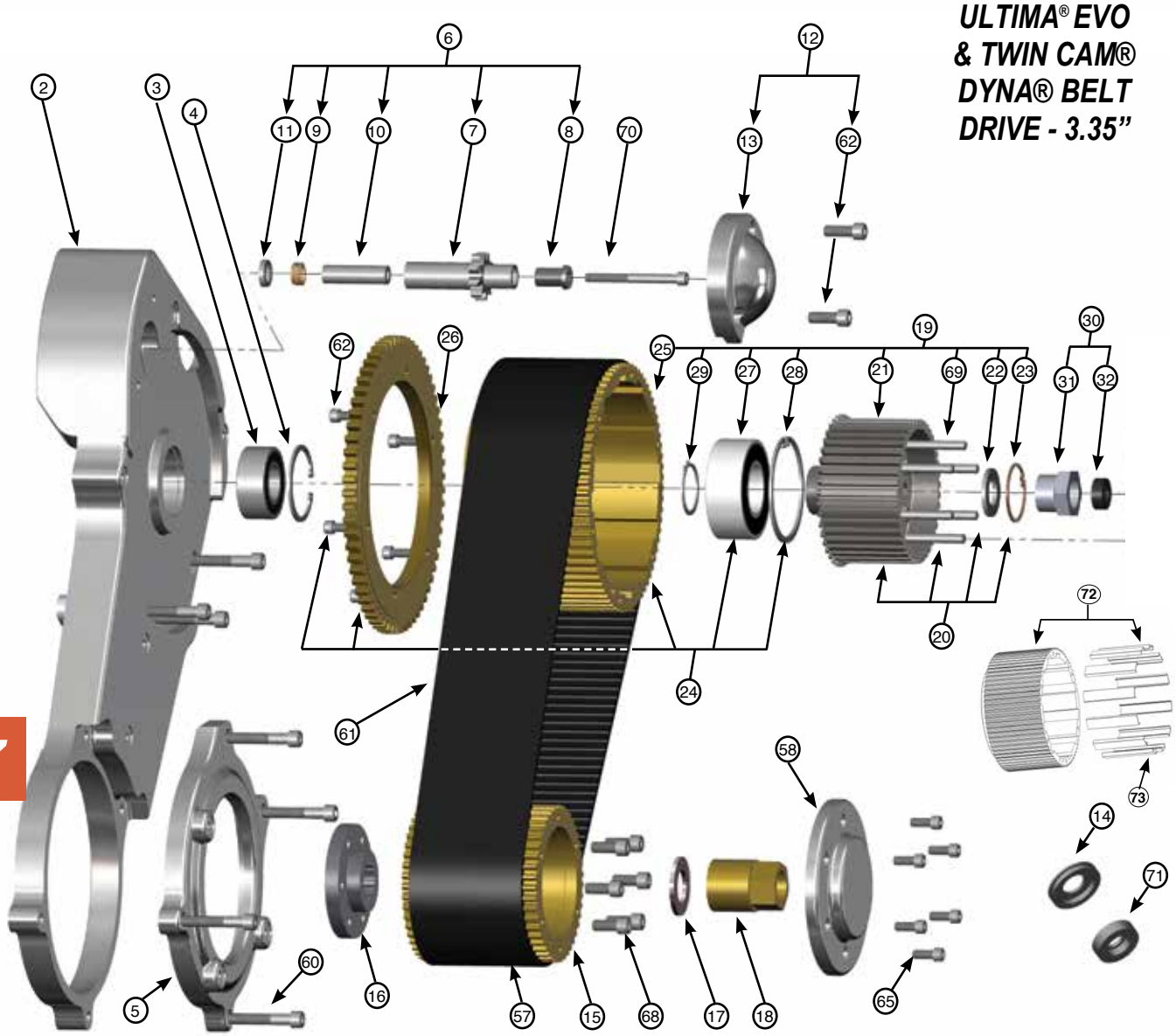
ULTIMA® EVO & TWIN CAM® DYNA® BELT DRIVE - 2”



ITEM #	QTY	PART #	COMPONENT
1	1	**58-928**	Motor Plate, Billet
2	1	**58-707**	Bearing, Ball, Double Row Angular Contact, INA 3200 Series
3	1	**58-708**	N5000-206 Snap Ring
4	1	**58-710**	Gear, Starter Drive, One Piece
5	1	**58-711**	Starter Bushing
6	1	**58-712**	Starter Spring
7	1	**58-713**	Starter Spacer
8	1	**58-714**	Spring Stop
9	1	**58-718**	Starter Bolt 89’-93’, 1/4-20 x 2-3/4 (supplied)
	1	***58-719**	Starter Bolt 94’-06’, 10-32 x 2-3/4 (available)
10	1	—	Cover, Starter Gear
11	1	**58-930**	Counterbored Spacer, swingarm
12	2	**58-798**	HX-SHCS 0.3125-18 x 0.875
13	1	**58-605**	Collar, Sprocket Shaft, no offset
		IMPORT	USA MADE
		***58-606**	— 1/4” Offset Collar, Sprocket Shaft
		***58-607**	— 1/2” Offset Collar, Sprocket Shaft
		***58-608**	— 3/4” Offset Collar, Sprocket Shaft
		***58-609**	— 1” Offset Collar, Sprocket Shaft
		***58-610**	— 1-1/4” Offset Collar, Sprocket Shaft
		***58-611**	— 1-1/2” Offset Collar, Sprocket Shaft
		***58-612**	***58-106** 1-3/4” Offset Collar, Sprocket Shaft
		***58-613**	— 2” Offset Collar, Sprocket Shaft
14	1	**58-824**	Pulley, Motor 45T 2” Drive
15	1	**58-726**	Washer, 1.655 x 0.94 x 0.125
16	1	**58-723**	HTNUT 0.8750-14
		***58-724**	Nut, Motor Pulley long (for 1-1/2-1-3/4” offset collar)
18	12	**58-736**	HX-SHCS 0.25-20 x 0.625
19	1	**58-828**	Clutch Hub
20	1	**58-756**	Washer, Clutch Hub
21	1	**58-757**	N5000-137 Snap Ring
22	1	**58-826**	Pulley, Transmission 71T
23	1	**58-739**	Retaining Ring, Clutch Assy Inner
24	1	**58-738**	Retaining Ring, Clutch assy Outer
25	1	**96-83**	Clutch Drive Plate, Lower 0.119
26	8	—	Clutch Plate, Friction
27	7	**96-34**	Clutch Plate, Steel 0.049
28	1	**58-832**	Pressure Plate

ITEM #	QTY	PART #	COMPONENT
29	1	**58-772**	Clutch Drive Plate, Upper
30	6	**58-774**	SHCS 0.164-32 x 0.625
31	6	**58-773**	MSHXNUT 0.164-32
32	1	**58-780**	SSFLATSKT 0.4375-20 x 1
33	1	**58-781**	HJNUT 0.4375-20
34	1	**58-782**	FW 0.4375
35	4	**58-919**	HX-SHCS 0.3125-18x1.75
36	3	**58-926**	HX-SHCS 0.3125-18x2.125
37	1	**58-901**	Belt, GoodYear 2” 8mm 140t
38	6	**58-796**	HX-SHCS 0.3125-18 x 0.75
39	1	**58-761**	Belt Guide, Ultima 2” Trans Pulley
41	1	**58-741**	HTNUT 0.75-16
42	1	**95-778**	Clutch Rod Seal
43	1	**58-735**	Gear, Starter Ring
44	6	**96-251**	Spring, Clutch - Medium, Gold (68lb @ 1”)
	6	**96-249**	Spring, Clutch - Heavy Duty, Black (82lb @ 1”)
	6	**96-250**	Spring, Clutch - Extra Heavy Duty, Red (98lb @ 1”)
46	6	**58-833**	Clutch Spring Stud
47	6	**58-852**	Clutch Spring Guide
48	1	**58-867**	Motor Pulley Cap
49	6	**58-835**	SHCS #12-24 x 1.000
50	1	**58-633**	Gear Assembly, Starter Drive
51	1	**58-720**	Cover Assembly, Starter Gear
56	1	**58-834**	Main Trans Pulley Assembly
52	1	**58-825**	Transmission Pulley Sub-Assembly 71T
		58-923	Transmission Pulley, bare, w/stainless inserts 71T
		58-925	Stainless inserts for 2” pulley. Pkg.
53	1	**58-622**	Clutch Retaining Nut Assy
54	1	**58-769**	Complete Replacement Clutch Assy
55	1	**58-829**	Pressure Plate Assembly
57	1	**58-827**	Clutch Hub Assembly
58	1	**58-737**	Bearing, Ball, Double Row Angular Contact, INA 3200 Series
59	1	**58-779**	Clutch Adjuster Assy
60	1	**58-929**	Grooved Spacer, swingarm
61	1	**58-925**	Pulley Inserts only, 2”
62	1	**58-923**	Outer Pulley 71T w/inserts, 2”

ULTIMA® EVO & TWIN CAM® DYNA® BELT DRIVE - 3.35”



***DENOTES OPTIONAL PARTS NOT INCLUDED IN THIS KIT**

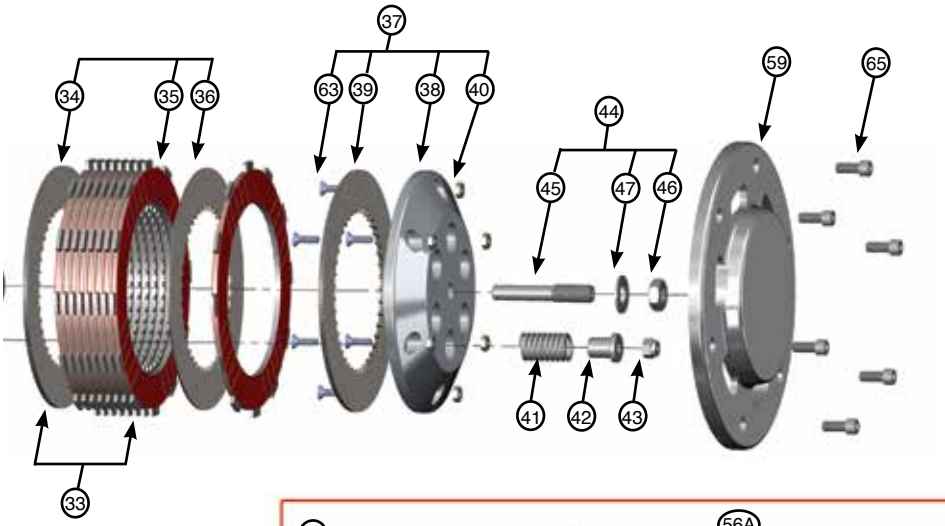
1.		Complete Assembly
2.	58-928	Motor Plate Assy. - Billet, includes #3 & #4
3.	58-707	Bearing, Ball, Double Row Angular Contact,
4.	58-708	Snap Ring
5.	58-927	Pulley
6.	58-633	Gear Assembly, Starter drive
7.	58-710	Gear, Start Drive, One piece
8.	58-711	Starter Gear Bushing
9.	58-712	Starter Spring
10.	58-713	Starter Gear Spacer
11.	58-714	Spring Stop
12.	58-715	Cover Assembly, Starter Gear
13.	—	Cover, Starter Gear
14.	58-929	Spacer, grooved for swingarm
15.	58-725	Pulley, Motor 45T
16.	58-605	0” Offset Collar, Sprocket Shaft

IMPORT	USA MADE	
*58-606	—	1/4” Offset Collar, Sprocket Shaft
*58-607	—	1/2” Offset Collar, Sprocket Shaft
*58-608	—	3/4” Offset Collar, Sprocket Shaft
*58-609	—	1” Offset Collar, Sprocket Shaft
*58-610	—	1-1/4” Offset Collar, Sprocket Shaft
*58-611	—	1-1/2” Offset Collar, Sprocket Shaft
*58-612	*58-106	1-3/4” Offset Collar, Sprocket Shaft
*58-613	—	2” Offset Collar, Sprocket Shaft

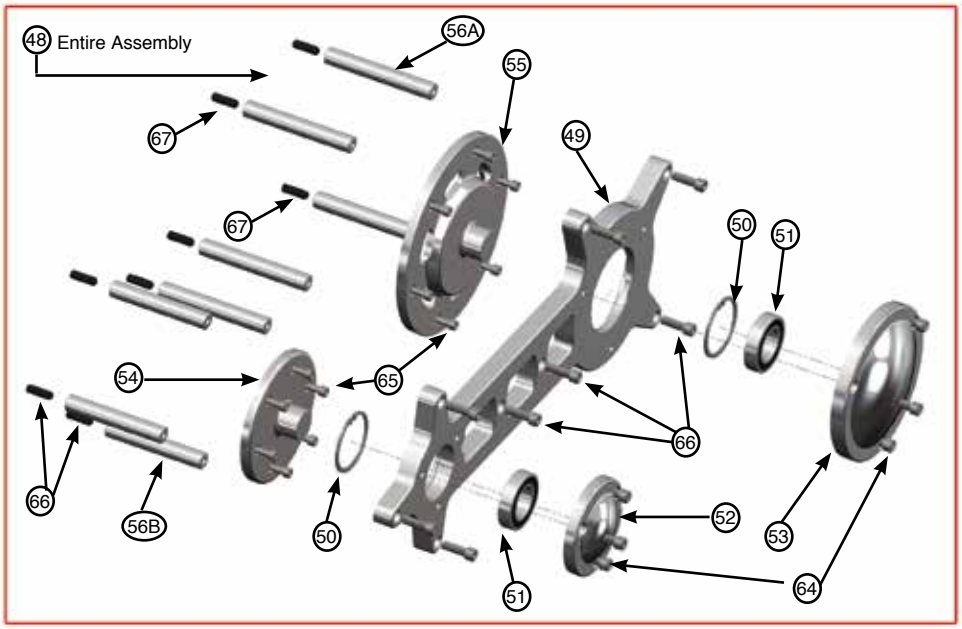
17.	58-726	Washer, 1.655 x .94 x .125
18.	58-727	Nut, Motor Pulley
	*58-724	Nut, Motor Pulley long (for 1-1/2-1-3/4” offset collar)
19.	58-728	Complete Trans Pulley Assembly Includes 62, 26, 29, 24, 20.
	58-922	Transmission Pulley, bare, w/stainless inserts 71T
	58-924	Stainless inserts for 2” pulley. Pkg.
20.	58-729	Clutch Hub Assembly
21.	58-755	Clutch Hub
22.	58-756	Washer, Clutch Hub
23.	58-757	Snap Ring
24.	58-733	Trans Pulley Assy 71T w/BRG (Includes 62, 26, 27, 28)
25.	—	Pulley, Trans 71T Bare
26.	58-735	Gear, Starter Ring
27.	58-737	Bearing, Ball, Double Row Angular Contact
28.	58-738	Retaining Ring, Clutch Assy Outer
29.	58-739	Retaining Ring, Clutch Assy inner
30.	58-622	Clutch Retaining Nut Assy
31.	58-741	Clutch Retaining Nut
32.	95-778	Clutch Rod Seal

33.	58-760	Complete Replacement Clutch Assy, 9 friction, 9 steel plates
34.	96-83	Clutch Drive Plate, Inner . 119 Thick
35.	58-762	Clutch Plate, Friction
36.	96-34	Clutch Plate, Steel .049 Thick
37.	58-770	Pressure Plate Assembly
38.	58-771	Pressure Plate
39.	58-772	Clutch Drive Plate, Outer
40.	58-773	Nut .164-32 (6)
41.	58-776	Clutch Spring - Medium, Gold (68lb @ 1”)
	*96-252	Clutch Spring - Heavy Duty, Black (82lb @ 1”)
	*96-253	Clutch Spring - Extra Heavy Duty, Red (105lb @ 1”)
42.	58-777	Clutch Spring Guide
43.	58-778	Ny-Loc nut 1/4 - 28
44.	58-779	Clutch Adjuster Assy.
45.	58-780	Clutch Adjuster 0.4375-20x1
46.	58-781	NUT 0.4375-20
47.	58-782	FW 0.4375
48.	58-917	Outboard Support Kit

ULTIMA® EVO & TWIN CAM® DYNA® BELT DRIVE - 3.35”



OUTER COVER
DRAG RACE STYLE



49. 58-916 Cover, Outer
50. 58-786 Retaining Ring
51. 58-787 Bearing, Radial Ball, Single Row
52. 58-812 Cap One, Outer Cover
53. 58-813 Cap Two, Outer Cover
54. 58-815 Cap, Motor Pulley - w/ Outboard Support
55. 58-814 Cap, Trans Pulley - w/ Outboard Support
56. 58-793A Spacer, Outer Cover (5) 4.360”
    58-793B Spacer, Outer Cover (3) 3.920”
57. 58-903 Belt, Ultima / Goodyear 3.35” 8mm 140T
58. 58-767 Motor Pulley Cap, w/o Outboard support
59. 58-765 Transmission Pulley Cap, w/o Outboard support
60. 58-919 HX-SHCS 0.3125-18x1.75 (4)
61. 58-926 Belt
62. 58-798 HX-SHCS 0.3125-18x0.875 (2)
63. 58-774 SCHCSCREW 0.164-32x0.625(6)
64. 58-790 HX-SHCS 0.3125-18x.5 (6)
65. 58-736 HX-SHCS 0.25-20x0.625 (12)
66. 58-794 HX-SHCS 0.3125-18x1 (8)
67. 58-795 SSFLATSKT 0.3125-18x1(8)
68. 58-796 HX-SHCS 0.3125-18x0.75 (6)
69. 58-775 Clutch Spring Stud (6)
70. 58-718 Starter Bolt .25-20x2.75 (1) (89’-93’ **supplied**)
    *58-719 Starter Bolt .10-32x2.75 (1) (94’-06’ **available for purchase**)
71. 58-930 Spacer, counterbored for swingarm
72. 58-922 Outer Pulley 71T w/inserts, 3.35”
73. 58-924 Pulley Inserts only, 3.35”

ULTIMA® 2" BAGGER PRIMARY BELT DRIVE

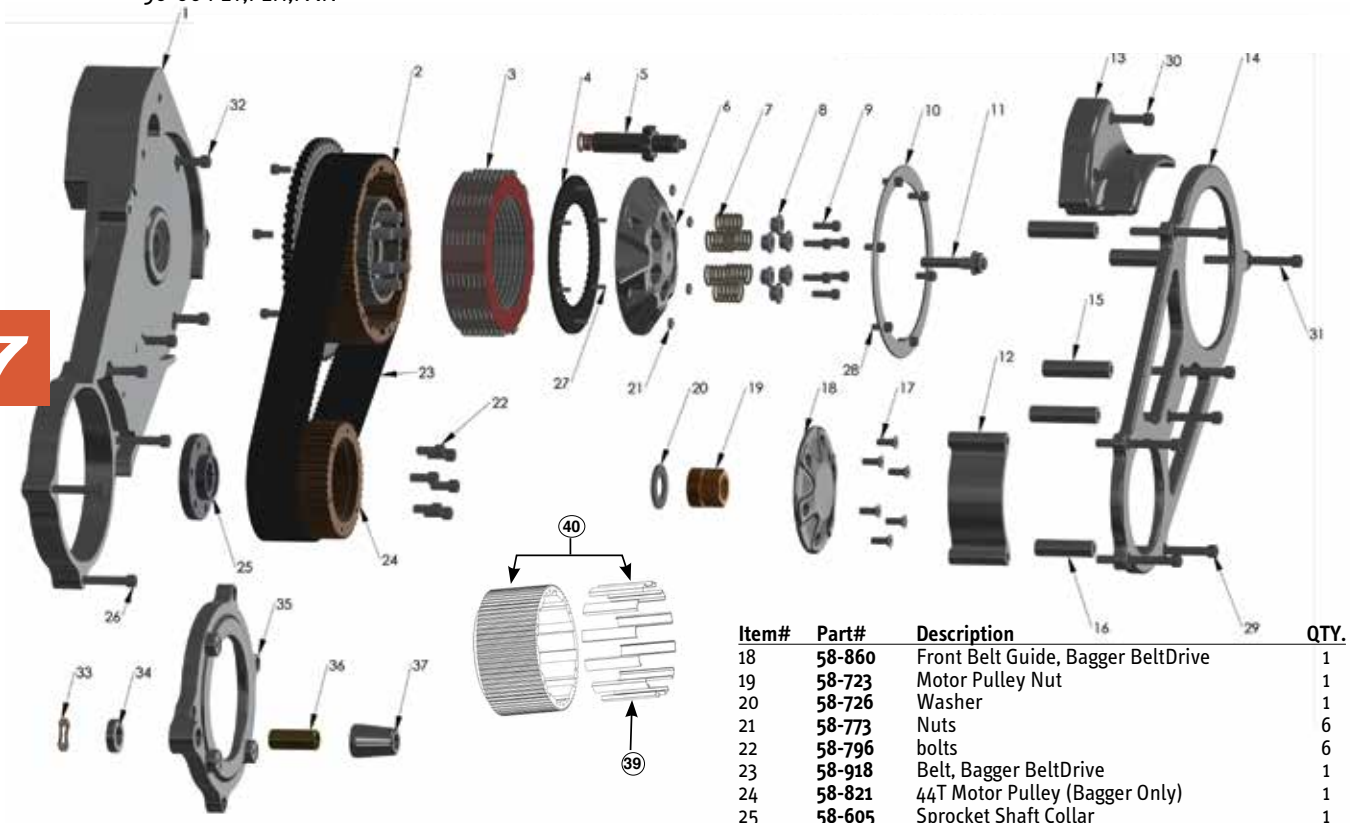
Fitting 1990-2006 FLT,FLH &FXR models (Evo or Twin Cam®), these all new Ultima 2" Bagger beltdrives are a great addition for the rider who demands both reliability & good looks for the long haul. Features include a polished 6061-T6 billet aluminum backing plate, High Performance Alto clutch plates, Goodyear 2" belt, polished aluminum belt guard & cover, newly designed billet starter shaft housing & pulley covers. The 2" Bagger beltdrive has also been designed to work with most floorboards & primary mounted stock shift mechanisms.

*Instructions included and available online @ www.ultimaproducts.com.



58-853 2" Bagger Belt Drive Assembly, Polished
90-06 FLT,FLH,FXR

★**58-958** 2" Bagger Belt Drive Assembly, Black NEW!
90-06 FLT,FLH,FXR



Item#	Part#	Description	QTY.
1	**58-809**	Motor Plate assembly, Bagger BeltDrive includes # 33, 34, 35, 36, 37	1
2	**58-834**	Complete Trans Pulley Assembly	1
	58-923	Transmission Pulley w/stainless inserts 71T	1
	58-925	Stainless inserts for 2" pulley.	Pkg
3	**58-769**	Clutch Plate Kit	1
4	**58-772**	Upper Drive Plate	1
5	**58-633**	Starter Gear Assembly	1
6	**58-830**	Pressure Plate, Bagger BeltDrive	1
7	**96-251**	Spring, Clutch - Medium (68lb @ 1")	6
	96-249	Spring, Clutch - Heavy Duty (82lb @ 1")	6
	96-250	Spring, Clutch - Extra Heavy Duty (98lb @ 1")	6
8	**58-852**	Spring Guide	6
9	**58-835**	Bolt (M6)	6
10	**58-761**	Belt Guide**	1
11	**58-779**	Clutch Adjuster Assembly	1
12	**58-854**	Belt Guard, Bagger BeltDrive	1
13	**58-855**	Starter Cover w/bushing, Bagger BeltDrive	1
14	**58-856**	Outer Plate, Bagger BeltDrive	1
15	**58-857**	Spacer, Aluminum	4
16	**58-858**	Spacer, Aluminum	1
17	**58-859**	Counter Sunk Screws, 1/4-20 x 0.75"	6

Item#	Part#	Description	QTY.
18	**58-860**	Front Belt Guide, Bagger BeltDrive	1
19	**58-723**	Motor Pulley Nut	1
20	**58-726**	Washer	1
21	**58-773**	Nuts	6
22	**58-796**	bolts	6
23	**58-918**	Belt, Bagger BeltDrive	1
24	**58-821**	44T Motor Pulley (Bagger Only)	1
25	**58-605**	Sprocket Shaft Collar	1
	IMPORT	USA MADE	
	*58-606	— 1/4" Offset Collar, Sprocket Shaft	
	*58-607	— 1/2" Offset Collar, Sprocket Shaft	
	*58-608	— 3/4" Offset Collar, Sprocket Shaft	
	*58-609	— 1" Offset Collar, Sprocket Shaft	
	*58-610	— 1-1/4" Offset Collar, Sprocket Shaft	
	*58-611	— 1-1/2" Offset Collar, Sprocket Shaft	
	*58-612	*58-106 1-3/4" Offset Collar, Sprocket Shaft	
	*58-613	— 2" Offset Collar, Sprocket Shaft	
26	**58-861**	5/16-18 x 2" Socket Head Cap Screw	4
27	**58-774**	Screws	6
28	**58-862**	1/4-20 x 0.5" Socket Head Cap Screw	6
29	**58-863**	5/16-18 x 3" Socket Head Cap Screw	3
30	**58-864**	5/16-18 x 1.5" Socket Head Cap Screw	2
31	**58-865**	5/16-18 x 3.5" Socket Head Cap Screw	4
32	**58-866**	5/16-18 x 2.5" Socket Head Cap Screw	3
33	**58-890**	Wave Washer	1
34	**58-891**	Shift spacer	1
35	**58-892**	Motorplate Sub-Plate, Bagger	1
36	**58-893**	Shift Bushing	1
37	**58-894**	Bushing Cover	1
38	**58-718**	Starter Bolt--1/4-20 x 2.75	
	58-719	Starter Bolt--10-32 x 2.75	
39	**58-925**	Pulley Inserts only, 2"	
40	**58-923**	Outter Pulley 71T w/inserts, 2"	

ULTIMA® EVO & TWIN CAM® DYNA® & SOFTAIL® PRIMARY OUTBOARD BEARING SUPPORTS



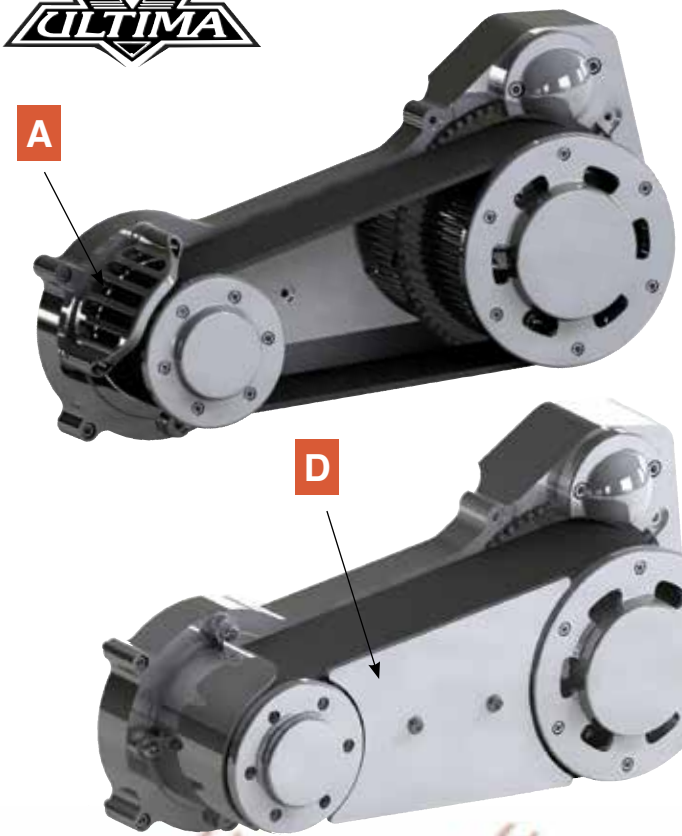
OUTBOARD SUPPORTS FOR DYNA® & SOFTAIL® BELT DRIVES

Fits Dyna® Beltdrives and the revised Softail® Beltdrives using the **58-935** & **58-940** motor plates. Will not fit the older Ultima Softail® Beltdrives due to a difference in center to center distance.

All Outboard supports are CNC machined from billet aluminum and polished. Outboard option offers rigid support for pulleys as well as extra protection from the exposed moving belt. This is an obvious choice for those who prefer monsterous motors like the Ultima El Bruto series!

58-906	Outboard Plate only
58-907	Outboard Kit- (Kit is needed for Street Style upgrade and includes pulley covers, spacers, bolts, bearings, and bearing covers.)
58-908	Outboard Plate only
58-909	Outboard Kit- (Kit is needed for Street Style upgrade and includes pulley covers, spacers, bolts, bearings, and bearing covers.)

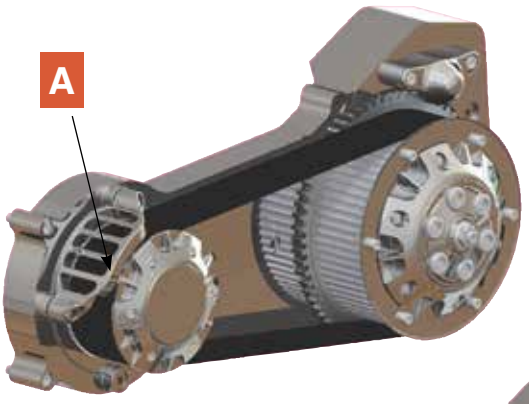
ULTIMA® 3.35" BELT DRIVE COVERS/GUARDS



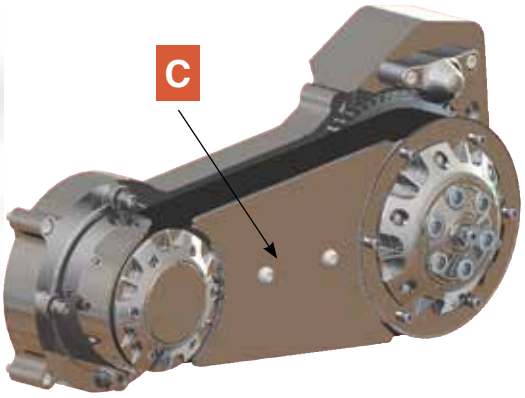
Designed to compliment the look of our industry proven 3.35" Ultima Belt Drives, our Ultima pulley covers and belt guards can be used individually or can be combined to create "the look" you are seeking. All covers and guards come in a polished finish. NEW!

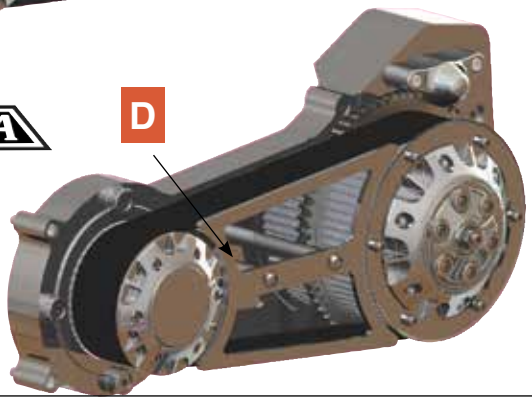
A.	**58-871**	3" Quarter Grill pulley cover, Polished
★ B.	**58-936**	3" Quarter Grill pulley cover, Black
C.	**58-873**	3" Trim cut, belt guard
D .	**58-876**	3" Smooth belt guard

ULTIMA® 2" BELT DRIVE COVERS/GUARDS









Designed to compliment the look of our all new 2" Old School Ultima Belt Drive, our 2" Ultima pulley covers and belt guards can be used individually or can be combined to create "the look" you are seeking. All covers and guards come in a polished finish with all the hardware necessary and instructions for installation.

A.	**58-878**	2" Quarter grill pulley cover, polished
★ B.	**58-937**	2" Quarter grill pulley cover, black
C.	**58-880**	2" Smooth belt guard
D.	**58-881**	2" Trim cut belt guard

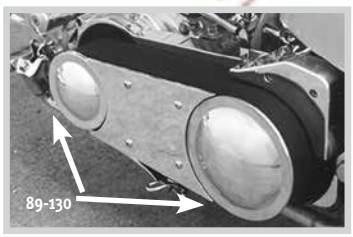
NEW!

U.S.A. MADE 3" ELECTRIC START BELT DRIVES

A. FOR EVOLUTION®

This kit features a polished one piece 6061-T6 billet motor plate and complete belt drive. B.D.L. uses a double row sealed bearing for added mainshaft support. The clutch basket features 12 cylindrical replaceable clutch dogs. The polished pressure plate uses 6 shoulder bolts and springs which allows simple installation. Their "quiet" clutch features Kevlar® clutch plates for maximum performance and minimal noise. Keeping safety in mind, B.D.L. recessed the plate to hide the starter ring gear which is covered by a polished aluminum starter housing. As a finishing touch, they supply the polished aluminum side guard (functional and classic) and polished pulley covers.

A





SEE BDL REPLACEMENT CLUTCHES

89-130 Replacement mini dome covers for Evolution® kits. SOLD AS SET
58-305 Replacement belt for Softail® & Dyna® kits. SOLD EACH
58-304 Replacement belt for FXR kit. SOLD EACH

B. FOR SHOVELHEAD

SOLD AS KIT

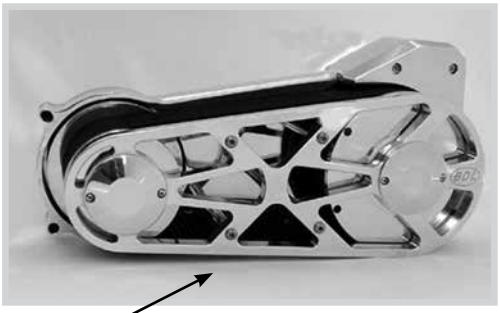
58-344 Fits 1970 thru 1978 Shovel, ratchet top transmission only. Includes starter.

C. WITH OUTBOARD BEARING SUPPORT

This new kit from BDl has all the same features as the original 3" belt drive and the same outboard bearing support used on the top fuel street drive kits above.

58-543 Fits 1990 thru 2001 Dyna® models. SOLD AS KIT
58-550 Replacement bearing for BDL outboard bearing support. SOLD EACH

C



SUPPORT ONLY

SEE BDL REPLACEMENT CLUTCHES

7

U.S.A. MADE BOLT-ON BELT DRIVE SYSTEMS FOR EVOLUTION® & SHOVELHEAD



This revolutionary B.D.L. primary belt drive for Evolution® and Shovel models is designed for a "bolt on" application. The design features a cylindrical shaped, replaceable clutch dog which can withstand 1200 lbs. of torque. The inner stress-proof steel hub is designed to move the weight of the basket inward over the mainshaft which eliminates unnecessary weight hanging out past the end of the mainshaft. The clutch features **U.S.A. MADE** clutch plates for maximum hook-up. Includes a sealed bearing and primary seal.

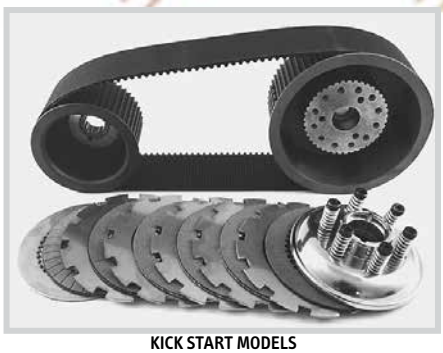
BDL'S Hub moves the rotating mass of the clutch inward more than 1". This eliminates all unnecessary weight hanging out past the end of the mainshaft.

58-328 Fits 1986 thru 1989 Softail®, tapered clutch hub, rear belt. Use replacement belt part No. 58-348. SOLD AS KIT
58-329 Fits 1990 thru 1993 Softail® & Dyna®, splined clutch hub, rear belt. Use replacement belt part No. 58-348. NOTE: Although both belts part No 58-348 are 8mm x 41mm x 138 Tooth.
58-331 Fits 1994 & later Softail® & Dyna®, splined clutch hub, rear belt. Use replacement belt part No. 58-348.
58-292 Fits 1986 thru 1989 FXR & FLT, tapered clutch hub, rear belt. Use replacement belt part No. 58-347.
58-325 Fits 1994 thru 2006 FXR & FLT, splined clutch, hub rear belt. Use replacement belt part No. 58-347.
58-330 Fits 1966 thru 1983 Shovel, 4 speed, rear chain drive. Use replacement belt part No. 58-349.
58-342 Fits 1979 thru 1983 Shovel, 5 speed, rear chain drive. Use replacement belt part No. 58-347.
58-343 Fits 1979 thru 1984 Shovel, 4 speed, rear belt drive. Use replacement belt part No. 58-349.



SEE BDL REPLACEMENT CLUTCHES

A&B



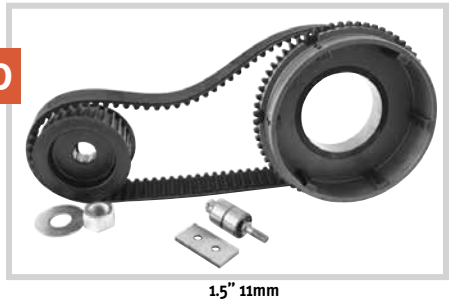
KICK START MODELS

C



1.5" 8mm

D



1.5" 11mm

7

F





F. *CHAIN DRIVE KITS*

Complete **U.S.A. MADE** chain drive kits include front sprocket, rear basket complete with clutch, primary chain and chain adjuster assembly.

58-480 Electric start Big Twin 1970 thru 1983. SOLD AS KIT
58-484 Electric start Big Twin 1990 thru 1993.

REPLACEMENT PARTS FOR ABOVE CHAIN DRIVE

58-602 Steel drive plates for chain drive (set of 8). SOLD AS SET
58-603 Kevlar® clutch plates for chain drive (set of 7).

U.S.A. MADE BELT & CHAIN DRIVE SYSTEMS FOR EVOLUTION® & SHOVEL

This is a complete primary drive system, 1-3/4" or 3" belt, front and rear pulleys, a clutch and hub assembly with clutch plates, springs, and pressure plate. The pulleys are machined from 356T6 aluminum aircraft alloy and anodized for maximum strength and durability. Don't forget this is a complete primary drive system — clutch and all!

A. *EVOLUTION® 3" 8MM BELT DRIVE*

Kickstart , open primary, racing only, complete system. SOLD AS KIT
58-299 Fits 1990 & later, Softail®, splined clutch hub, rear belt. Use replacement belt part No. 58-305.

NOTE: ALL BELT DRIVES LISTED BELOW DO NOT INCLUDE CUTCH ASSEMBLY OR CLUTCH HUB!

B. *BIG TWIN 1-1/2" 8MM BELT DRIVE*

Kickstart only, closed primary, sprocket shaft nut & washer.
58-231 Fits 1937 thru 1954 with tapered shaft and adjustable trans. Use replacement belt part No. 58-255. SOLD AS KIT
58-232 Fits 1955 thru 1964 with splined shaft and adjustable trans. Use replacement belt part No. 58-255.
58-233 Fits 1965 thru 1977 with splined shaft. Use replacement belt part No. 58-255.
58-234 Fits 1978 thru 1984 with splined shaft. Use replacement belt part No. 58-255.

Electric start, closed primary, sprocket shaft nut & washer.
58-229 Fits 1965 thru 1978 with splined shaft. Use replacement belt part No. 58-139. SOLD AS KIT
58-230 Fits 1979 thru 1984 with splined shaft. Will not work with early 5 speed rear belt drives. Use replacement belt part No. 58-255.

C. *BIG TWIN 1-1/2" 11MM BELT DRIVE*

Kickstart only, open or closed primary, sprocket shaft nut & washer. SOLD AS KIT
58-241 Fits 1955 thru 1964 with splined shaft and adjustable trans. Use replacement belt part No. 58-259.

Kickstart only, closed primary, sprocket shaft nut & washer. "With idler bearing."
58-242 Fits 1965 thru 1984 with splined shaft and two front belt guides. Use replacement belt part No. 58-269. SOLD AS KIT

Electric start, closed primary, sprocket shaft nut & washer. "With idler bearing."
58-243 Fits 1965 thru 1984 with splined shaft and two front belt guides. Will not work on early 5 speed rear belt drives. Use replacement belt part No. 58-269. SOLD AS KIT

D. *BIG TWIN 2" 8MM BELT DRIVE*

Kickstart only, open primary, sprocket shaft nut & washer. SOLD AS KIT
58-227 Fits 1955 thru 1984 with splined shaft and adjustable trans. Use replacement belt part No. 58-257.

E. *BIG TWIN 3" 8MM BELT DRIVE*

Kickstart only, open primary, sprocket shaft nut & washer. SOLD AS KIT
58-239 Fits 1955 thru 1984 with splined shaft and adjustable trans. Use replacement belt part No. 58-144.

A. *REPLACEMENT PARTS FOR 3" ELECTRIC START*

58-398 Starter housing for all Softail®, FXR & Dyna®. SOLD EACH
58-501 Side plate for all Softail® & Dyna®. SOLD EACH
58-503 Motor plate bearing for all Softail®, FXR & Dyna®. SOLD EACH
58-504 C-Clip for all motor plate bearing retainers. SOLD EACH
70-185 Starter pinion gear for all Softail®, FXR & Dyna® with B.D.L 3" electric start unit. SOLD EACH
70-186 Starter pinion gear for all Shovelhead with B.D.L. 3" electric start unit. SOLD EACH
70-188 9T Coarse pitch starter pinion gear for B.D.L. systems that have 66T ring gears (part No. 58-328, 58-329, and 58-331). SOLD EACH
58-144 Replacement belt for Shovelhead kits. SOLD EACH
58-550 Replacement bearing for BDL outboard bearing support. SOLD EACH
58-305 Replacement belt for Softail® & Dyna® kits. SOLD EACH

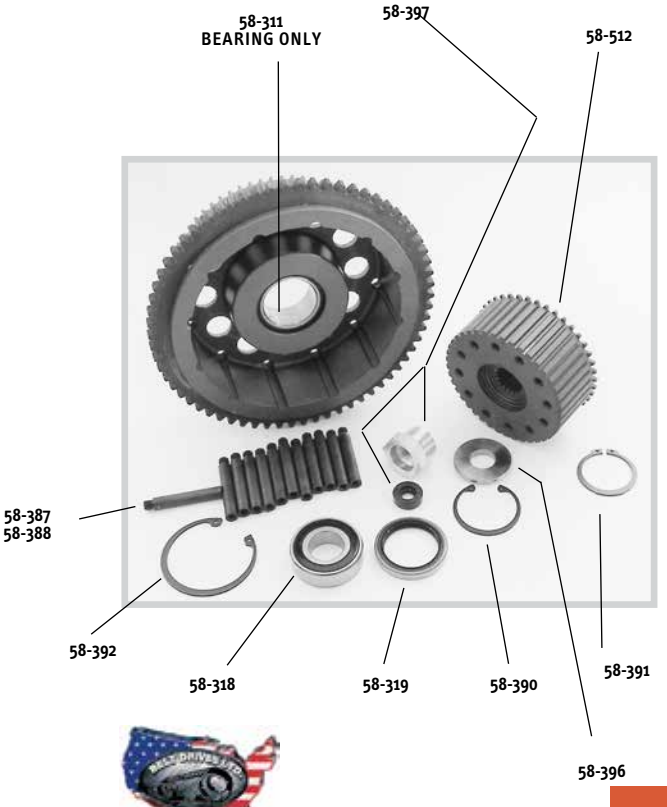
B. *REPLACEMENT FRONT PULLEY & INSERTS*

SOLD EACH
58-375 1/4" Insert and special nut with screws. For 3" std pulleys.
58-376 1/2" Insert and special nut with screws. For 3" std pulleys.
58-377 3/4" Insert and special nut with screws. For 3" std pulleys.
58-378 1" Insert and special nut with screws. For 3" std pulleys.
58-379 1-1/4" Insert and special nut with screws. For 3" std pulleys.
58-535 1-1/2" Insert and special nut with screws. For 3" std pulleys.
58-538 1-3/4" Insert and special nut with screws. For 3" std pulleys.
58-539 2" Insert and special nut with screws. For 3" std pulleys.

C. *REPLACEMENT CLUTCH PARTS*

58-311 Hub bearing. SOLD EACH
58-521 Basket, gear, dogs & bearings for Evolution®. SOLD EACH
58-522 Basket, gear, dogs & bearings for Shovel. SOLD EACH
58-315 Pressure plate. SOLD EACH
58-316 Clutch springs. Six required. SOLD EACH
58-317 Clutch spring shoulder bolt. Six required. SOLD EACH
58-318 Bearing — inner primary, for use with Evolution® belt drives (sealed). SOLD EACH
58-319 Inner seal, primary for Evolution® only. SOLD EACH
58-387 Round dogs for Softail®, FXR & 5 speed Shovel. (12). SOLD AS PKG
58-388 Round dogs for 4 spd. Shovel. (12) SOLD AS PKG.
58-392 C-Clip for hub bearing. SOLD EACH
58-391 C-Clip for back side of hub. SOLD EACH
58-396 Step washer for splined hub 1990 & later only. SOLD EACH
58-397 Hub nut with seal for 1990 & later only. SOLD EACH
58-512 Splined hub for 1990 & later 3" electric start. SOLD EACH
58-390 C-Clip for clutch adjusting plate. SOLD EACH
58-393 Clutch adjusting rod for 1990 & later. SOLD EACH

SEE BDL REPLACEMENT CLUTCHES



7

D



E



D. *STARTER RING GEARS FOR BELT DRIVE*

U.S.A. MADE starter ring gears fit Big Twin belt drives only; will not work in place of OEM starter gear.

58-424 For 4 speed belt drives only. SOLD EACH
58-431 For 5 speed belt drives 1985 thru 1993.
58-432 For 5 speed belt drives 1994 & later. Pinion gear included.

E. *B.D.L. 3" BELT DRIVE CLUTCH KIT FOR SHOVELHEAD*

B.D.L. offers this retrofit clutch for 3" belt drives. Kit includes a rear clutch basket designed for their special clutch. The steel inner hub rides on a large 40mm double row sealed bearing. Kit includes complete clutch pack with 6 Barnett Kevlar® plates and 5 drive steels. The newly designed polished pressure plate offers 12 holes to house from 6 to 12 clutch springs. The rear pulley moves the weight of the unit in closer over the mainshaft to place the center of gravity where it should be. If you have a 3" belt drive from any manufacturer, this rear pulley will be compatible with your front pulley and belt. The B.D.L design eliminates clutch creeping because the pulley does not move in & out when you pull the clutch in. Finding neutral is a breeze.

96-640 3" Belt drive clutch kit, 83' & earlier. SOLD EACH

REPLACEMENT PRIMARY BELTS

MW BELT PART NO.	PITCH	BELT I.D. NO.	NO. OF TEETH	WIDTH	LENGTH	NUMBER OF TEETH ON PULLEYS FRONT	REAR	KARATA	PRIMO
58-347	8mm x 42mm	BDL-130K	130	1-5/8"		48 Kevlar®	68	—	P-48-68-1,3,5
58-302	8mm	BDL-132	132	1-3/4"		45	72	—	—
58-348	8mm x 41mm	BDL-138K	138+ See Note below	1-3/4"		44 Kevlar®	68	—	—
58-349	8mm x 38mm	BDL-138-38K	138			45 Kevlar®	68	—	—
58-303	8mm	BDL-141	141	1-3/4"		47	72	—	—
58-327	8mm	BDL-141-1-5/8	141	1-5/8"		47	72	—	—
58-305	8mm	BDL-141-3	141	3"		47	72	—	—
58-304	8mm	BDL-132-3	132	3"		48	72	—	—
58-139	8mm	30853-ST	132	1-1/2"	42-1/2"	41	61	20100	—
58-255	8mm	30853-BE	132	1-1/2"	42-1/2" +	41 39 40	61 62 62	15901 15902 16002	P-41-61 P39-62 P40-62
58-256	8mm	37144-1-1/2	144	1-1/2"	46-1/2"	47	76	20102	37144-1
58-257	8mm	37144-2	144	2"	46-1/2"	47 2T & 2S	76	20103	P-47-76 C&D
58-144	8mm	37144-3	144	3"	46-1/2"	47 3T & 3S	76	15909	P-47-76 E&F
58-226	8mm	37117	117	1-3/4"	37-1/2"	76	45 SPT.®	21021	—
58-269	11mm 1-1/2"	BDL-1185	99	1-1/2"	43-7/8"	31 (4 spd.)	47	20108	P-31-47 (4 spd.)
58-279	11mm 1-1/2"	BDL-5S11	92	1-1/2"	40-1/2"	31 (5 spd.)	47	20109	P-31-47-6
58-259	11mm 1-1/2"	BDL-30884	96	1-1/2"	42-1/2"	29 28	44 44	20105	30884
58-260	14mm 1-1/2"	BDL-38078	78	1-1/2"	43-1/2"	24 24 (4 spd.)	37 38	20106	38078D
58-842	——	BDL-140-2	140	2"					

ALL BELTS SOLD EACH

NOTE: Although both belts part No **58-348** is 8mm x 41mm x 138 Tooth.

RACING BELTS

MW BELT PART NO.	PITCH	BELT I.D. NO.	NO. OF TEETH	WIDTH	
58-436	8mm	BDL-1152	144	3"	Panther racing belt.

ALL BELTS SOLD EACH

REPLACEMENT BELT FITMENT CHART

1-1/2" WIDE BELTS

125 tooth	Special application
126 tooth	Fits 80-86 FXB, FXSB, FXWG: 82-84 FL (HD# 40003-79)
127 tooth	Special application also (International 89-92 Softail® HD# 40010-89)
128 tooth	Softail® 93-99 with 61T rear pulley (HD# 40012-90)
	Fits International 93-94 Softail® and 91-93 Dyna® models
130 tooth	Fits 95-99 Softail® with 65 T rear pulley (HD# 40017-94)
132 tooth	Fits 86-04 Softail® with 70 T rear pulley (HD# 40023-86)
	Fits International 89-93 FLT, FXR
133 tooth	Fits 91-99 Dyna® (HD# 40015-90)
135 tooth	Fits 85-96 FLT, FXR (For shorter fit than stock)
136 tooth	Fits 85-96 FXR, FLT (HD# 40001-85)
139 tooth	Fits 97-03 FLT (HD# 40024-97)

1-1/8" WIDE BELTS

125 tooth	Fits 91-03 Sportster® with 55 T pulley (HD# 40038-91)
128 tooth	Fits 91-03 Sportster® with 61 T pulley (HD# 40022-91)
132 tooth	Fits 06-up Dyna® (International with 34-68 ratio)
133 tooth	Fits 2000-up Dyna® w/ 70 tooth pulley
135 tooth	Fits 2000-up domestic and international Softail® w/ 70 tooth pulley
137 tooth	Fits 2004-06 XL-883/883C
139 tooth	Fits 2004-06 FLT

All other sizes in 1-1/8" width are for custom applications, fitment of tooth size
Is the same as all of the above.

1-3/8" WIDE BELTS

149 tooth	Fits 04-up VRSCA/B V-Rod
150 tooth	Fits 02-03 VRSCA/B V-Rod and (02-up International VRSCA/B V-Rod)

1" wide belts

133 tooth	Fits 2007 FXSTD,FLSTC, FLSTSC, FLSTN
137 tooth	Fits 2007-08 FLT 32-66 ratio
140 tooth	Fits 2009-11 Touring with 34-68 ratio

All other sizes are for custom applications only

20MM WIDE BELTS

132 tooth	Fits all 2007-09 Softail® with 32/64 drive ratio
133 tooth	Fits 2007-09 FXST,FXSTB, FXSTC, FLSTF
135 tooth	Fits 2006 Softail® FXST/I/B/BI/S/SI Models

A



UNIROYAL

A. REPLACEMENT BELTS FOR KARATA BELT DRIVES

KBII Uniroyal Power Grip belts for 74".

58-139 1-1/2" Wide belt. SOLD EACH
58-144 Super 3" wide belt.

ULTIMA® FINAL DRIVE BELTS

NEW!

14 mm final drive replacement belts.

58-410	126T, 1-1/2"	SOLD EACH
58-411	128T, 1-1/2"	
58-412	135T, 1-1/2"	
58-413	136T, 1-1/2"	
58-415	136T, 1-1/8"	
58-414	139T, 1-1/2"	

REAR BELTS

REPLACES OEM NO.	NO. OF TEETH	14MM ULTIMA® PART NO.	14MM PANTHER PART NO.	14MM GATES PART NO.	BDL FALCON PART NO.	APPLICATION / NOTE
	125		58-335	58-353	—	1-1/2"
40003-79	126	58-410	58-306	58-272	—	1-1/2"
	127		58-307	58-354	58-494	1-1/2"
40012-90	128	58-411	58-350	58-355	—	1-1/2"
40022-91	128		58-351	58-332	—	1-1/8" For Sportster®.
40017-94	130		58-336	58-337	—	1-1/2"
	130		58-359	58-476	—	1" Wide. FOR CUSTOM SHOW ONLY.
	130		58-364	58-368	—	1-1/8" Wide. FOR CUSTOM SHOW ONLY.
40023-86.	132		58-308	58-274	—	1-1/2"
	132		58-360	58-477	—	1" Wide. FOR CUSTOM SHOW ONLY.
	132		58-365	58-369	—	1-1/8" Wide. FOR CUSTOM SHOW ONLY.
	132		—	—	58-404	20mm Wide. For 07'-09' Softail®.
40015-90	133		58-352	58-356	—	1-1/2"
	133		58-361	58-478	—	1" Wide. FOR CUSTOM SHOW ONLY.
	133		58-366	58-370	—	1-1/8" Wide. FOR CUSTOM SHOW ONLY.
	133		—	—	58-405	20mm Wide. For 07'-09' Softail®.
	133				58-409	1" Wide. For 07' Softail®.
	135	58-412	58-309	58-357	58-554	1-1/2"
40307-00	135		—	58-536	—	1-1/8" Wide. FOR CUSTOM SHOW ONLY.
	135		—	—	58-406	20mm Wide. For 06' Softail®.
40001-85	136	58-413	58-310	58-273	—	1-1/2"
	136		58-362	58-479	—	1" Wide. FOR CUSTOM SHOW ONLY.
	136	58-415	58-367	58-371	—	1-1/8" Wide. FOR CUSTOM SHOW ONLY.
	137		—	—	58-556	1-1/8" Wide. For late model Sportster®.
	137		—	—	58-402	1" For 07'-08' FLT.
40024-97	139	58-414	58-561	58-358	—	1-1/2" For FLHTCU.
	139		58-399	58-407	58-408	1-1/8" For 04'-06' FLT.
	140		—	58-403	—	1" For 09'-11' Touring

IMPORTANT NOTE: 1" and 1-1/8" Wide belts are designed **FOR CUSTOM SHOW ONLY**; they are not intended to be used in lieu of a 1-1/2" wide belt. Use of a 1" or 1-1/8" wide belts is at the User's discretion and no warranty claims are made or implied by the manufacturers of the belts, Belt Drives Ltd., or distributors of this belt. 1" And 1-1/8" wide belts are not as strong as 1-1/2" wide belts.

BDL is proud to introduce the new Falcon rear drive belt from Goodyear Engineered Products. The Falcon belt includes a new tooth design for optimum belt wrap on all stock and aftermarket pulleys which allows maximum strength, alignment and belt life. The Falcon belt is now standard equipment on Buell motorcycles.

A. *IDLER BEARING FOR BELT DRIVE*

U.S.A. MADE idler bearing for adjusting tension on belts. Comes with serrated plate for mounting. Not recommended for use with belts that are ribbed on outside. Please leave some slack in the belt; it is necessary due to expansion of motor and transmission from heat.

58-266 Idler bearing kit. SOLD AS KIT



B. *BELT DRIVE FRONT PULLEY GUIDE*

U.S.A. MADE from steel and anodized black. Aids in keeping belt on. Comes standard on 11mm drive kits.

58-422 Inside belt guide. Fits 1-1/2" 11mm splined shaft. SOLD EACH
58-423 Outside belt guide. Fits 1-1/2" 8mm & 11mm splined or tapered shaft.

NOTE: Above items can be used for replacement on CSI® and Primo® belt kits.


58-422


58-423

C. *TRANSMISSION SHAFT SUPPORT*

Replaces bearing support cast on rear aluminum primary. Use with bearing part No. **95-228**.

96-217 Trans shaft support, 1969 thru 1985. SOLD EACH
95-228 Shielded bearing.



D. *NUT & WASHER FOR FRONT PULLEY*

U.S.A. MADE nut & washer for front pulley. Cad plated.

Fits tapered shaft 1937 thru 1954.

58-425 Hex nut. SOLD EACH
58-426 Washer.

Fits splined shaft 1955 thru 1999.

58-427 Hex nut. SOLD EACH
58-428 Washer.


CAD PLATED

E. *ENGINE SPROCKET SHAFT NUT*

The last word in functional beauty. Available for the Sportster® and the 74". Massive yet graceful, the acorn engine nut keeps the front pulley snug. SOLD EACH

58-110 For 74" 1955 thru 1981.
58-111 For Sportster® 1957 thru 1979.



CHROME PLATED

F. *ALTERNATOR COVER*

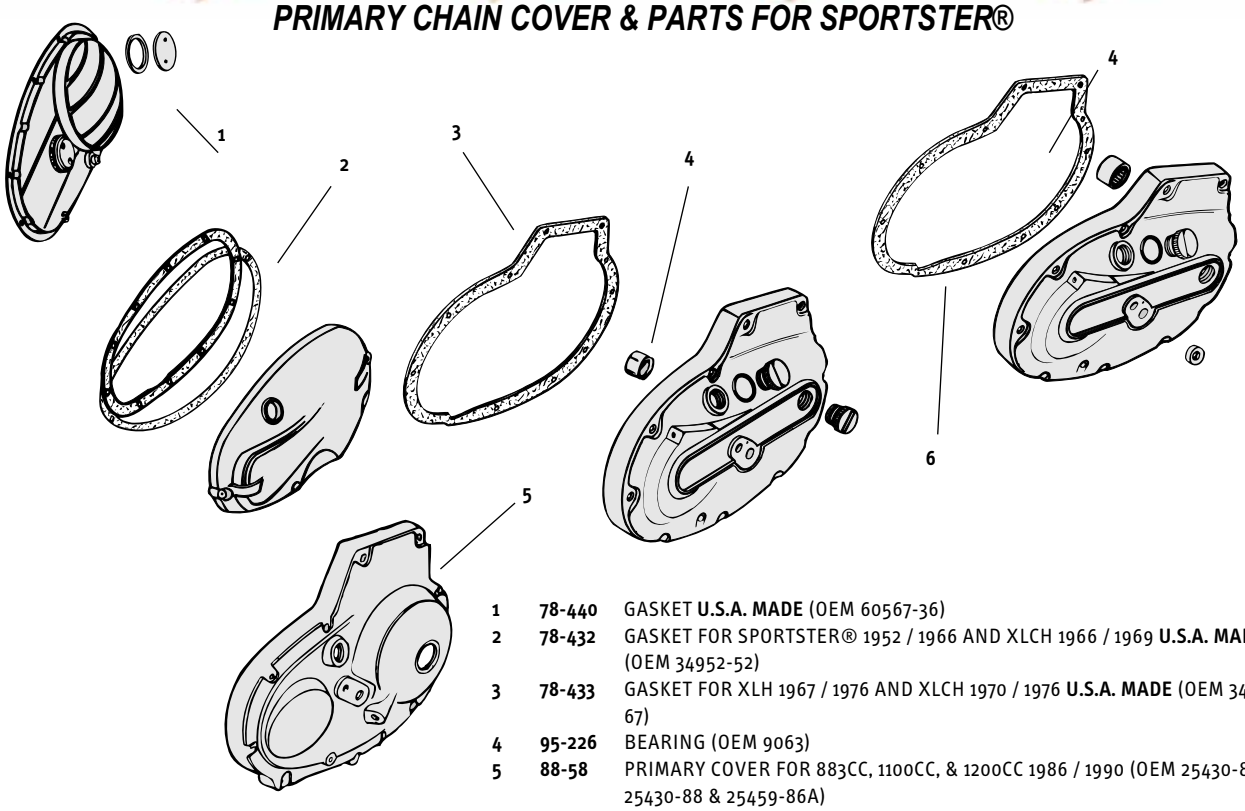
This alternator cover acts as a heat-sink; it helps cool the alternator, and registers the forward end of stamped steel inner primaries. Also recommended on alternator model open installations. Mounting lug for belt shroud is a built-in feature.

58-71 Fits 74" & 80", 1970 thru 1979. SOLD EACH


POLISHED ALUMINUM

7

PRIMARY CHAIN COVER & PARTS FOR SPORTSTER®

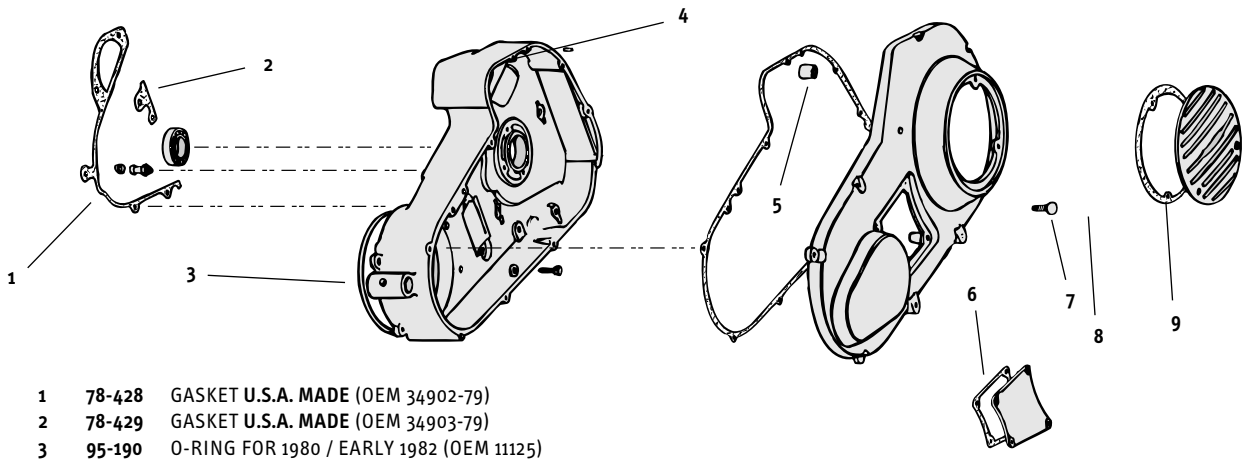


1	**78-440**	GASKET **U.S.A. MADE** (OEM 60567-36)
2	**78-432**	GASKET FOR SPORTSTER® 1952 / 1966 AND XLCH 1966 / 1969 **U.S.A. MADE** (OEM 34952-52)
3	**78-433**	GASKET FOR XLH 1967 / 1976 AND XLCH 1970 / 1976 **U.S.A. MADE** (OEM 34955-67)
4	**95-226**	BEARING (OEM 9063)
5	**88-58**	PRIMARY COVER FOR 883CC, 1100CC, & 1200CC 1986 / 1990 (OEM 25430-86A, 25430-88 & 25459-86A)
6	**78-434**	GASKET FOR 1986/1990 **U.S.A. MADE** (OEM 34955-75)
	78-435	GASKET FOR 1991 & LATER **U.S.A. MADE** (OEM 34955-89)

7

PRIMARY DRIVE PARTS FOR BIG TWIN — FLT, CLASSIC & FXR 1979 & LATER

ALLEN & ACORN SCREWS FOR THESE COVERS ARE AVAILABLE IN SECTION 14



1	**78-428**	GASKET **U.S.A. MADE** (OEM 34902-79)
2	**78-429**	GASKET **U.S.A. MADE** (OEM 34903-79)
3	**95-190**	O-RING FOR 1980 / EARLY 1982 (OEM 11125)
	95-714	O-RING LATE FOR 1982 / 1993 **U.S.A. MADE** (OEM 11147)
4	**95-807**	INNER PRIMARY STARTER BUSHING FOR ALL MODELS 1989 / 1993 (OEM 33445-89
	95-806	INNER PRIMARY STARTER BUSHING FOR ALL MODELS 1994 & LATER (OEM 33445-94A)
5	**95-226**	OUTER PRIMARY STARTER BEARING FOR ALL MODELS 1965 / 1988 (OEM 9063)
	95-800	OUTER PRIMARY STARTER BUSHING FOR ALL MODELS 1989 / 1993 (OEM 33446-89)
	95-808	OUTER PRIMARY STARTER BUSHING FOR ALL MODELS 1994 & LATER (OEM 33446-94A)
6	**78-430**	GASKET FOR 1979 / 1982 (OEM 34906-79)
7	**41-166**	MAGNETIC 1/4 - 18 PLUG FOR 1980 / 1984 (OEM 718)
8	**78-383**	GASKET **U.S.A. MADE** (OEM 25416-70) SOLD AS PKG 5
	95-751	O-RING FOR LATE 1984 THRU 1998 (OEM 25416-70) SOLD AS PKG OF TEN
	95-738	SEAL FOR 1989 THRU 1993
	95-794	SEAL FOR 1994 & LATER
9	**95-751**	O-RING DERBY (OEM 25416-84) SOLD AS PKG OF 10

INNER PRIMARY LOCKING TAB

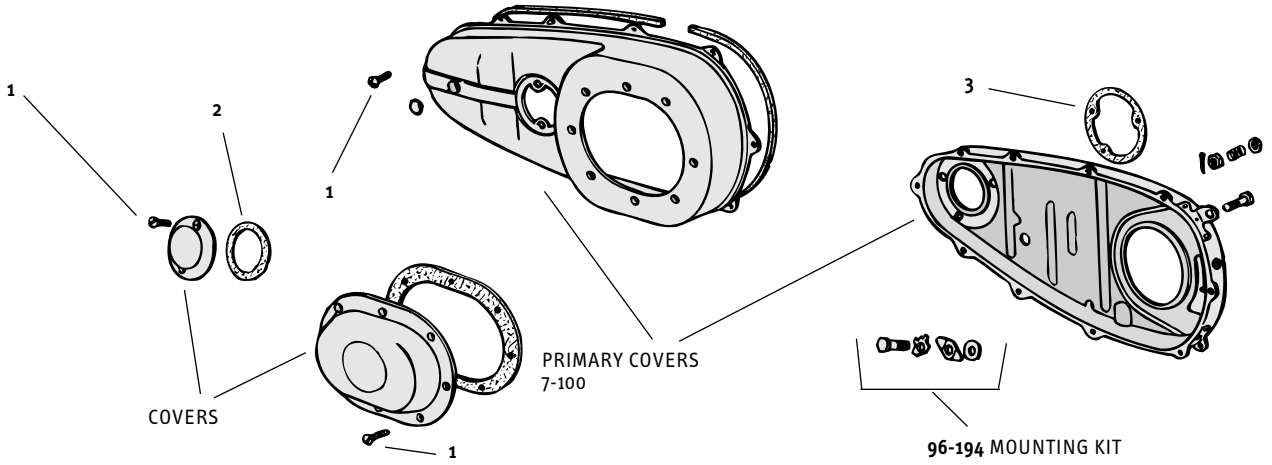


96-801 **Fits all models Big Twin 1985 & later. Six used.**

SOLD EACH

PRIMARY DRIVE PARTS FOR BIG TWIN 1936 THRU 1964 ALL MODELS

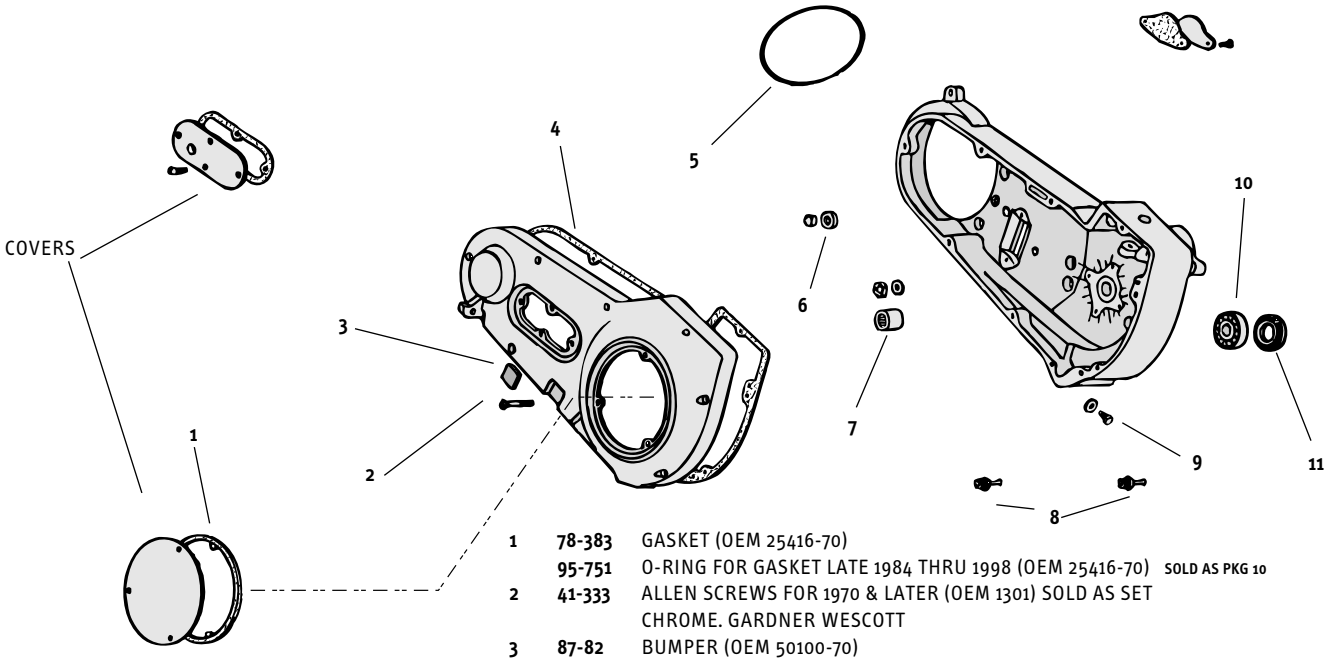
ALLEN & ACORN SCREWS FOR THESE COVERS ARE AVAILABLE IN SECTION 14



1	**96-192**	SCREW. CHROME (OEM 1211)
2	**78-440**	GASKET **U.S.A. MADE** (OEM 60567-36) SOLD AS PKG 5
3	**78-442**	GASKET 1955 / 1964 **U.S.A. MADE** (OEM 60629-55) SOLD AS PKG 10

PRIMARY DRIVE PARTS FOR BIG TWIN 1965 & LATER ALL MODELS

ALLEN & ACORN SCREWS FOR THESE COVERS ARE AVAILABLE IN SECTION 14

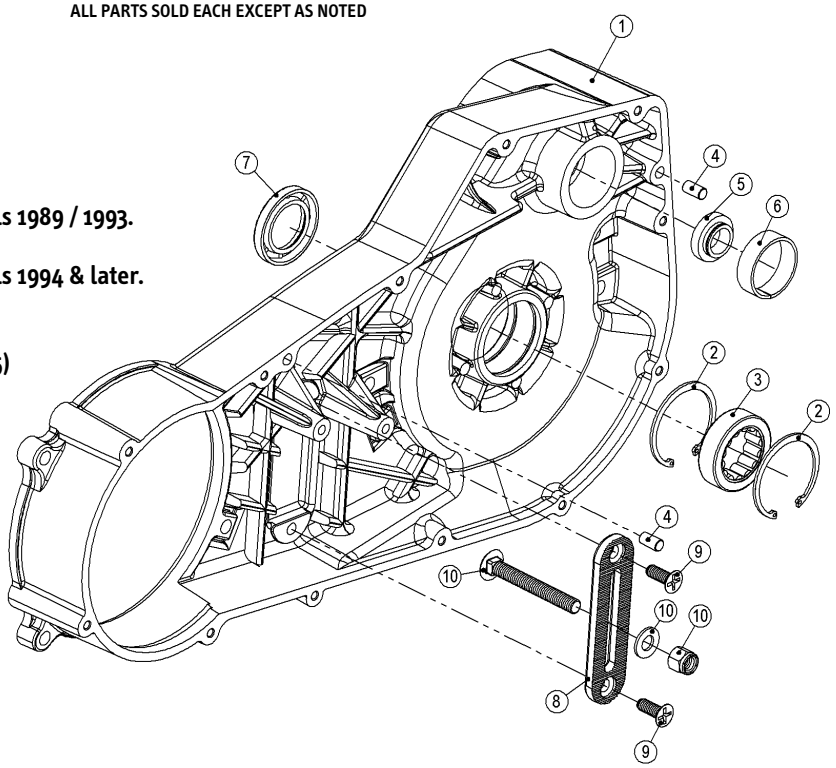


1	**78-383**	GASKET (OEM 25416-70)
	95-751	O-RING FOR GASKET LATE 1984 THRU 1998 (OEM 25416-70) SOLD AS PKG 10
2	**41-333**	ALLEN SCREWS FOR 1970 & LATER (OEM 1301) SOLD AS SET CHROME. GARDNER WESCOTT
3	**87-82**	BUMPER (OEM 50100-70)
4	**78-438**	GASKET FOR 1965 / 1980. THIN, .032", 9 HOLE (OEM 60540-65A) SOLD AS PKG 5
	78-437	GASKET FOR FXST & DYNA® 1989 & LATER (OEM 60539-89) SOLD AS PKG 5
5	**95-190**	O-RING FOR 1970 / EARLY 1982 (OEM 11125)
	95-714	O-RING FOR LATE 1982 / 1999 **U.S.A. MADE** (OEM 11147) SOLD AS PKG 10
	95-714A	O-RING FOR LATE 1982 / 1999 **U.S.A. MADE** (OEM 11147) SOLD EACH
6	**95-238**	OIL SEAL FOR SUPER GLIDE® 1974 & LATER (OEM 60641-74)
7	**95-226**	STARTER SHAFT BEARING (OEM 9063)
	95-800	STARTER BUSHING FOR 1989 & LATER (OEM 33446-89)
8	**21-123**	VENT HOSE FITTING (OEM 63533-41)
9	**41-165**	1/2-20 MAGNETIC DRAIN PLUG FOR 1965 / 1984 (OEM 60348-65A, B)
10	**95-227**	NON-SHIELDED 4 SPEED BEARING (OEM 9040)
	95-228	SHIELDED 4 SPEED BEARING
11	**95-223**	OIL SEAL (OEM 12018)
	96-801	LOCKS

INNER PRIMARY PARTS FOR ALL BIG TWIN 1989 THRU 1999

ALL PARTS SOLD EACH EXCEPT AS NOTED

1	—	Inner primary.
2	95-452	Retaining ring.
3	95-450	Bearing. (OEM 9135)
4	—	Inner primary dowel pin.
5	95-738	Starter shaft seal, 1989-1993
	95-794	Starter shaft seal, 1994-later
6	95-807	Starter bushing for all models 1989 / 1993. (OEM 33445-89)
	95-806	Starter bushing for all models 1994 & later. (OEM 33445-94A)
7	95-737	Inner primary oil seal.
8	5-137	Anchor plate. (OEM 39998-65)
9	—	Flat head screw.
10	—	Flat washer.

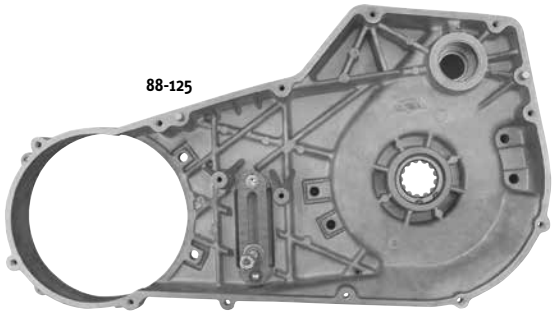


INNER PRIMARY LOCKING TAB



96-801 Fits all models Big Twin 1985 & later. Six used.
SOLD EACH

7



88-125



88-124

ULTIMA® DIE CAST INNER PRIMARY FOR FXST

These inner primarys have been designed to replace the OEM FXST component used from 1989 thru 1999. All primarys have been CAD designed and CNC machined for accuracy and fit. Complete units come with chain adjuster assembly, starter bushing & seal and mainshaft bearing & seal installed. Select part number for proper year when ordering for proper starter bushing arrangements.

BARE PRIMARY

88-124	For 1989 / 1993, black wrinkle finish.	SOLD EACH
88-125	For 1989 / 1993, polished finish.	
88-126	For 1989 / 1993, chrome finish.	
88-127	For 1994 / 1999, black wrinkle finish.	
88-128	For 1994 / 1999, polished finish.	
88-129	For 1994 / 1999, chrome finish.	

COMPLETE PRIMARY

88-130	For 1989 / 1993, black wrinkle finish.	SOLD EACH
88-131	For 1989 / 1993, polished finish.	
88-132	For 1989 / 1993, chrome finish.	
88-133	For 1994 / 1999, black wrinkle finish.	
88-134	For 1994 / 1999, polished finish.	
88-135	For 1994 / 1999, chrome finish.	

A. *MIDWEST PRIMARY COVERS*

INNER PRIMARY FOR DYNA®
2001 thru 2005 includes oil seals and bushings.
88-13 Chrome inner primary for FXD, FXDL, all midshift models.

replaces OEM# 60663-01. SOLD AS KIT

INNER PRIMARY FOR SOFTAIL®
Multi-year fit primary comes with interchangeable bushings, spacers and seals. One cover fits 1989 thru 2005. Replaces OEM 60630-90 & 60630-94.
88-15 Chrome inner primary for Softail®. SOLD AS KIT
88-16 Black inner primary for Softail®.

OUTER PRIMARY COVERS FOR SOFTAIL® & DYNA®
Die cast & chrome plated with ribbed inside.
88-17 Fits Softail® & Dyna Glide® 1995 & later. SOLD EACH
Use 3 hole derby cover. Replaces OEM 60543-95.
88-18 Fits Softail® & Dyna Glide® 1999 & later. Use 5 hole derby cover. Replaces OEM 60543-99.
NOTE: When using above inner primary for 1989 thru 1993 Softail® applications, 1995 & later outer covers part No. **88-17** or **88-18** will work when used with 1995 & later starter jackshaft assembly.

B. *INNER PRIMARY CHAIN CASES*

Heavy duty die cast aluminum reinforced in the critical areas of the mainshaft bearing support and starter boss. Allows the use of early or late style starters. Eight or nine hole outer primary will work with this eight hole inner primary. **NOTE:** Late 1979 & later models require removal of threads on the front starter housing mounting hole. Use 1/4" drill bit.
These covers fit 4 speed FL models 1970 thru early 1984 with rear chain drive.
88-61 Polished cover, OEM 60441-79 & OEM 60414-82. SOLD EACH
88-62 Chrome plated cover.
These covers fit FX models 1971 thru early 1984 with rear chain drive. Has mid-shift hole.
88-57 Polished cover, OEM 60421-79A. SOLD EACH
88-60 Chrome plated cover.

C. *CAST OUTER PRIMARY COVERS FOR FXR & FLT*

Cast outer primary covers for FXR & FLT.
88-50 For 1980 thru 1984. Replaces OEM 60605-79B. SOLD EACH
88-54 For 1985 thru 1988. Replaces OEM 60664-85B.
88-93 For 1989 thru 1993. Replaces OEM 60665-89.
88-143 For FLT 1999 & later. Chrome.

D. *VENTED PRIMARY COVER FOR BELT DRIVE FXE*

CNC machined vents on chrome plated primary cover for 4 speed FXE 1970 thru 1984, with belt drive.
88-64 Primary cover. SOLD EACH

E. *CHROME BELT DRIVE PRIMARY COVER*

Made to fit 1994-1999 models. OEM# 25430-89.
88-145 Chrome Primary cover. SOLD EACH





ALL PARTS CAST ALUMINUM







A



88-49
CHROME
PLATED

88-115
CHROME
PLATED



B

CHROME
PLATED

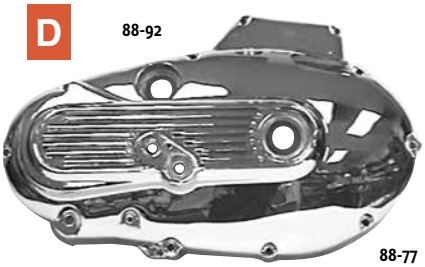


C



D

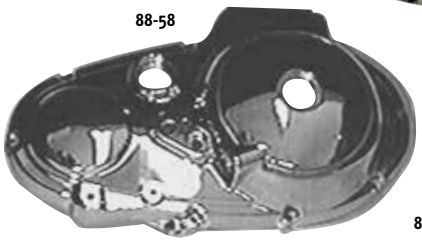
88-92



88-77



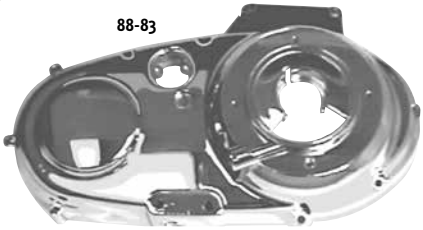
88-58



88-82



88-83



88-146



A. *CAST OUTER PRIMARY COVERS FOR FX & FXST*

Die cast & reinforced, these outer primary covers offer superb stronger-than-stock construction.

88-49 For FX 1970 thru 1982 (except FXB & FXR). Also fits all 74" & 80" not using floorboards. OEM 60507-82TA. SOLD EACH

88-59 Fits FXST late 1986 thru 1988. Has groove for O-ring derby cover seal and large diameter alignment pin holes. 9 Hole. OEM 60507-86A.

88-66 Fits FXST 1989 thru 1993. OEM 60543-89. Chrome plated.

88-115 Fits FXST 1989 thru 1993. Custom vented style. Chrome plated.

88-80 Fits FXST 1995 & later. OEM 60543-95.

88-116 Fits 1999 & later FXSTC, FLSTC, FXSTS, FLSTF & FLSTS. Also fits FXDL, FXDWG & FXDS-CONV. Replaces OEM 60543-99. Chrome plated.

95-800 Starter bushing. Fits outer primary cover on 1989 & later Big Twin. OEM 33446-89.

B. *CAST OUTER PRIMARY FOR BIG TWIN*

Die cast & reinforced. Stronger than stock. Has tab for floorboard mount.

88-52 Fits kickstart Big Twin 1965 thru 1982 & electric start Big Twin 1970 thru 1982, except FLT & FLH belt drive. OEM 60508-82TA. SOLD EACH

C. *SCREW KIT FOR OUTER PRIMARY COVER*

Heavy gauge steel stamping featuring flawless copper buffed chrome. For use on all 74" 1936 thru 1964 with proper inner primary.

96-207 Screw for 1936 thru 1963 diamond style outer primary cover. SOLD EACH

D. *OUTER PRIMARY COVERS FOR SPORTSTER®*

88-92 Fits Sportster® 1977 thru early 1984,Chrome plated. SOLD EACH

88-77 Fits Sportster® 1971 thru 1976, Chrome plated. SOLD EACH

88-58 Fits Evolution® Sportster® 883cc, 1100cc and 1200cc, 1986 thru 1990. Replaces OEM 25430-86A, 25430-88 & 25459-86A. Chrome plated. SOLD EACH

88-82 Fits Sportster® 883cc & 1200cc, 1991 thru 1993. OEM 25430-89. Chrome plated. SOLD EACH

88-83 Fits Sportster® 883cc & 1200cc, 1994 & later. OEM 25460-94. Chrome plated.

88-146 Fits Sportster® 2007 and up, Chrome plated. SOLD EACH

A. *INNER PRIMARY BEARING AND PARTS*

Fits all models BIg Twin 5 speed 1985 & later.

95-450 Inner primary bearing. OEM 9135. SOLD EACH
95-451 Inner race. OEM 34091-85.
95-452 Snap ring. OEM 60678-85.
95-380 Seal. OEM 12052.
96-801 Fits all models Big Twin 1985 & later. Six used.
58-318 Inner primary bearing. 'Sealed' for belt drives. SOLD EACH

NOTE: when using this bearing, remove inner race from mainshaft.



B. *INNER PRIMARY MOUNTING KITS*

These complete mounting kits contain reproductions of the OE H-D® hardware used to mount the inner primary covers on Big Twins.

96-193 For inner primary cover 1936 thru 1954. SOLD AS KIT
96-194 For stamped steel inner primary cover 1955 thru 1964.
96-195 For inner primary cover 1965 thru 1969.
41-143 For inner primary cover on FLT & FXR, 1986 & later.
41-139 For inner primary cover on Softail® 1986 thru 1993 and Dyna Glide® 1991 thru 1993.
41-140 For inner primary cover Softail® and Dyna Glide® 1994 & later.



COLONY

7

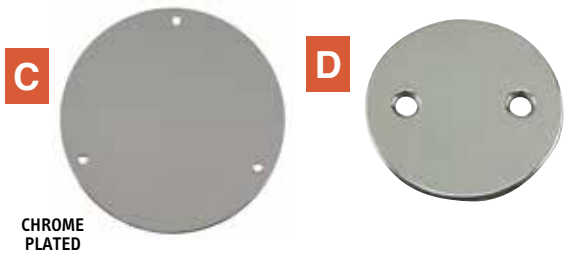
C. *"FLAT" DERBY COVER FOR BIG TWIN*

89-127 Chrome steel derby cover for 1965 thru 1998 Big Twins. SOLD EACH

D. *EARLY STYLE INSPECTION COVER FOR BIG TWIN*

Heavy gauge inspection cover for all 74"s with steel primary covers.

89-21 Plain chrome cover. SOLD EACH



E. *"DOME" DERBY COVERS FOR BIG TWIN*

Die-cast derby cover. Fits 1965 thru 1998 74" & 80" Big Twins.

89-112 Plain. OEM 25414-70. SOLD EACH
89-259 Finned, black.
95-751 O-Ring.

F. *EARLY STYLE DERBY COVER*

Cover fits all tin primary covers 1936 thru 1964 and custom & aftermarket covers.

89-13 Chrome plated cover. OEM 60557-36. SOLD EACH













89-310

ALL PARTS CHROME PLATED

7



89-498



89-497



89-605

89-604

A. *PRIMARY INSPECTION PLATE WITH BUSHING*

Outer primary inspection cover.

89-183 Fits 1974 thru 1982 FX with the shifter shaft hole. SOLD EACH
OEM 60579-74. Also fits our chrome outer primary cover.

B. *PRIMARY INSPECTION PLATE*

Chrome plated steel outer primary inspection cover without peg and shifter hole. Countersunk holes.

89-90 For FL 1965 thru 1984 and FXWG, SOLD EACH
FXST & FLST, 1982 & later. OEM 60572-78T.

78-441 Gasket. SOLD AS PKG

C. *CHROME INSPECTION COVERS*

89-100 Chrome inspsection cover for FLT & FXR.
Fits 1985-94. SOLD EACH

89-101 Chrome inspsection cover for FXR w/shift hole.
Fits 1982-84. SOLD EACH

D. *TURBO-COVERS*

Chrome plated covers with black button head allen screws. The screws are only functional where stock covers bolt up. SOLD EACH

89-310 Inspection cover without peg & shifter hole. Replaces OEM 60572-78.

E. *DIE CAST DOMED COVERS*

Beautifully chromed die cast aluminum covers give that classic chromed look. Use on 1999 & later Twin Cam 88™.

89-498 Derby cover. Replaces OEM 25415-99. SOLD EACH

89-497 Five hole ignition cover. Replaces OEM 32679-99. Includes five button head chrome allen screws & wrench. No gasket provided.

F. *SKULL COVERS*

SOLD EACH

89-601 Ignition cover with 5 holes, for Twin Cam 88® 1999 & later. Replaces OEM 32679-99.

89-604 Derby cover for Big Twin 1970 thru 1998.
Replaces OEM 25414-70.

89-605 Derby cover for Twin Cam 88® 1999 & later.
Replaces OEM 25415-99.

A. *CHROME UPPER BELT GUARD*

Fits 04'-up XL (OEM #60502-04)

9-85 Chrome upper belt guard. SOLD EACH



B. *UPPER "CHOPPER" BELT GUARD*

Upper 'chopper' belt guard fits 70 or 65 tooth pulleys.

9-74 For Softail® 1986 & later. SOLD EACH



C. *LOWER BELT GUARDS FOR FXST & FXR*

Lower belt guard for FXST models 1985 & later made of chrome plated steel. Bolt-on installation. SOLD EACH

9-64 For models equipped with 61T rear sprocket. Replaces OEM 60394-90A.

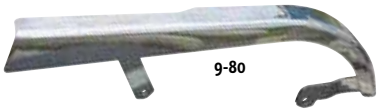


D. *REAR BELT GUARDS*

Beautiful replacements for OEM upper belt guards.

9-80 Fits FXD, FXDL & FXDWG, 1992 thru 1999. SOLD EACH
9-65 Fits Softail® 1986 thru 1999 with 70T rear pulley. Replaces OEM 60533-86.
9-81 Fits XL 1991 thru 1999.
9-82 Fits XL 2000 thru 2003.









E. *LOWER BELT GUARD*

9-63 For FXDWG & FXD, 1991 thru 1999. SOLD EACH



F. *BELT GUARDS FOR SOFTAIL®*

These custom belt guards will add a touch of class to your belt area. For 70 tooth pulleys. 1986 thru 1999.

9-73 Chrome plated steel. Imported. SOLD EACH





A. *CHAIN GUARDS*

All chain guards are fabricated with 18 gauge steel — stock strength. All have mounting brackets designed to clear 16" & 18" tires.

9-10	For rigid 74" & some Triumphs.	SOLD EACH
9-58	For FL models 1963 thru 1984. OEM 60302-63.	
9-11	For swing arm 74" and FX 1971 & 1972.	
9-55	For all 4 speed FX (except Softail®) 1973 thru 1985. OEM 60302-73T.	
9-60	For XLCH 1956 thru 1971.	
9-7	Fits XLH 1967 thru 1978 and XLCH 1970 thru 1978.	



B. *SPROCKET COVERS FOR SPORTSTER®*

Fits XL models 1954 thru 1970, kick & electric start.

96-328	Polished aluminum cover.	SOLD EACH

Fits XL models 1971 thru 1978. OEM 34871-71.

96-351	Polished aluminum cover.	SOLD EACH

Fits XL models 1977 & 1978 only, with footpeg mounting hole. OEM 34872-77.

96-417	Polished aluminum cover.	SOLD EACH

Fits XL 1982 thru 1990. OEM 34911-81A.

96-419	Chrome plated cover.	SOLD EACH

Fits Sportster® 1991 & later. OEM 34911-91.

96-551	Polished aluminum cover.	SOLD EACH
96-552	Chrome plated cover.	



GAS/AIR/OIL



GAS TANKS & ATTACHED PARTS, CARBURETOR PARTS, REBUILD KITS, MANIFOLDS, AIR FILTERS, OIL TANK & ATTACHED PARTS, OIL FILTERS, OIL LINES, OIL PRESSURE GAUGES, OIL TEMPERATURE GAUGES & OIL COOLERS

ULTIMA® GAS TANKS

A. FAT BOB® STYLE GAS TANKS



These quality constructed tanks are designed to accept the standard or custom gas caps and use the standard late-model H-D® gas petcock. To give your late-model Harley® that authentic Fat Bob® look, these tanks are made to accept the stock dashes and also both FL & FX speedo equipment. 3.5 Gallon steel Fat Bob® gas tanks replace OEM 61216-69; 5 gallon gas tanks replace OEM 61230-69. Fits stock H-D® Fat Bob® frame & can be adapted to many other frames.

20-59	3.5 Gallon tank, standard cap.	SOLD AS PAIR
20-60	5 Gallon tank, standard cap.	
20-62	3.5 Gallon tank, screw-in cap.	
20-63	5 Gallon tank, screw-in cap.	

B. LATE MODEL FLAT SIDE FAT BOB® STYLE GAS TANKS



A complete line of flat side tanks fits models 1985 & later, in sizes & styles to satisfy everybody. Sleek custom 4.2 gallon stretched or 6.0 gallon for the long haul, and sizes in between. Made by the most experienced tank manufacturer in the industry. A small amount of bondo work is needed on stretched tanks to blend in weld lines. **NOTE:** Screw caps & aircraft caps must be ordered separately.

REGULAR TANKS

SOLD AS PAIR

20-65	5.0 Gallon tank for screw cap.

C. 2.2 ALIEN GAS TANK



These quality steel gas tanks comes undrilled at the mounting tabs. Early cam style gas cap & 3/8 or 1/4 NPT petcocks can be used. Total length 18", total height 9", tunnel width 2.5".

20-40	2.2 Gal, single fill, Alien tank.	SOLD EACH
20-41	2.2 Gal, dual fill, Alien tank.	SOLD EACH

GAS TANK SPECIFICATIONS

All tanks have a special carburetor vent used on H-D® motorcycles. All tanks, except flush cap models, use our standard gas cap, part No. **21-6**, or a standard H-D® gas cap.

X = 1/4" Female opening.
O = 3/8" Female opening.

IMPORTANT GAS TANK INFORMATION

Carefully check your new gas tank for flaws. **DO NOT SAND OR GRIND SEAMS OR JOINTS**. Check petcock openings to make sure petcock can be installed easily. Clean inside of tank and always install a suitable gas tank sealer. **ALWAYS RUBBER MOUNT GAS TANK FRONT & REAR**. MIDWEST MOTORCYCLE SUPPLY DIST. CORP. is not liable for paint work or labor claims of any kind. If special paint jobs are put on tank, we recommend pressure testing prior to painting. We guarantee all tanks that we sell for a period of sixty days. Our guarantee is limited to the replacement of the tank only, and does not cover paint work or labor of any kind.

A. *SOFTAIL® GAS TANKS FOR TWIN CAM®*

5.1 Gallon capacity one piece custom tanks with dash mount. Left bung accepts OEM gauge.

2000 & LATER CARBURETED MODELS

20-110 For 2000 & later carbureted models. SOLD EACH
20-112 Same as above part No. **20-110** except with 2" stretch.

CHOPPER TANKS

All Pro-Image tanks have a tunnel width of 2.5". They have 1/8-27 NPT holes for rear crossover except the 7.5" stretched tanks which do not have a crossover and 22mm fuel valve bung. Weld-on mounts included.

B. *PRO-IMAGE I*

4.5" STRETCH, 22-3/8" TUNNEL, 23" LENGTH, 4.7 GALLON

20-125 Screw-in cap. Gas cap not included.

C. *PRO-IMAGE II*

4" STRETCH, 22-1/8" TUNNEL, 22-1/4" LENGTH, 4.1 GALLON

20-121 Flushed mount pop-up cap. Gas cap not included.
20-122 Raised pop-up cap. Gas cap not included.
20-126 Screw-in cap. Gas cap not included.

D. *SINGLE CAP STRETCH 1 PIECE GAS TANK*

If you're building a 1984 thru 1999 Softail® style frame that has more stretch than a standard frame — this tank is for you. Holds approximately 3.8 gallons. The included chrome plated trick gas cap adds to the looks of this tank.

20-100 4" Stretch one piece gas tank. SOLD EACH
21-366 Replacement gas cap. SOLD EACH

E. *STRETCHED & FLAT BOTTOM XL GAS TANKS*

XL Gas tanks for 2004 and later.

20-137 OEM type flat bottom tank w/center screw in cap. 3.3 gallon. SOLD EACH
20-139 2" stretch tank w/center screw in cap. 4 gallon.

F. *RUBBER MOUNTED "BIG CAPACITY" GAS TANKS FOR SPORTSTER®*

Classic style with increased gas volume make these tanks a winner! 3.4 Gallon capacity. Rubber tank mounts help prevent vibration stress. Tank has rolled edges and includes bolt-in aircraft quality gas cap, as well as mounting hardware. More miles between gas stops with good looks too! (Paint not included.)

20-98 For 1982 thru 1993 Sportster®. SOLD EACH
20-99 For 1994 & later Sportster®.

A



B



PRO IMAGE I

C



D



8

F



E



20-137



20-139















8

A. *REGULAR TUNNEL SPORTSTER®STYLE GAS TANK*

Pressure tested under water. Utilizes stock H-D® gas cap & petcock. Tank has Tillotson tube vent if needed.

2.3 Gallon tank. Tunnel 3-1/2" high x 2" wide. Tank 17" long x 9-1/2" wide.

20-20 1954 thru 1978 SOLD EACH

3.1 Gallon tank. Tunnel 31-/2" high x 2" wide. Tank 17" long x 10-3/4" wide.

20-53 1954 thru 1978. SOLD EACH
20-61 1979 thru 1981.
20-66 1982 thru 1993.

B. *LOW TUNNEL STEEL SPORTSTER®STYLE GAS TANK*

Great looking tank has mid & rear petcock openings and Tillotson tube vent if needed. Finest quality, no ripples or die marks. Fully tabbed. Use stock H-D® gas cap.

20-51 3.5 Gallon tank. Tunnel 1" high x 2-3/4" wide. Tank 21" long x 10-1/2" wide. SOLD EACH

C. *FAT BOB® STYLE GAS TANK FOR SPORTSTER®*

Give 1982 thru 1993 Sportsters® the Fat Bob® tank look. One piece construction 3.2 gallon tanks with mounting hardware.

20-1 Smooth top. SOLD EACH

D. *FAT BOB® STYLE GAS TANKS FOR SPORTSTER®*

3.8 Gallon tanks include improved rubber mounts front and back. Screw style caps must be ordered separately.

20-93 3.8 Gallon with smooth top. Fits 1982 thru 1993. SOLD EACH
20-94 3.8 Gallon with FL style dash and base plate. Fits 1982 thru 1993. Dash accepts the larger FL speedometer and has no ignition switch hole, so re-wiring is not necessary.

E. *STRETCHED SMOOTH TOP TANK*

4.2 Gallon tanks fit 1984 thru 1999 Softail®. Necessary mounting hardware included. No welded tips. Some finishing will be needed due to seam in middle. Also some stock and custom seats may not match up to tanks due to 3" stretch.

20-101 Tank with single right side aircraft style cap. SOLD EACH

F. *STAINLESS STEEL BRAIDED CROSSOVER FUEL LINES*

Midwest offers these custom crossover fuel lines. **Midwest crossover fuel line meets D.O.T. specification FMVSS-106 — approved for street use — 50 state legal.** High performance #5 stainless braided hose gives you the custom look you want with the performance feel you demand. Lines incorporate an inner liner and chrome plated fittings. Top quality hose and fittings are attractively packaged to make these parts fly off the shelf. And a budget price tops off the complete program!

71-176 1993 & Later Dyna Glide®. OEM 63690-00A. SOLD AS KIT
71-178 2000 & Later Softail® FXSTD. OEM 63694-00.
71-179 1986 Thru 1999 Softail®. OEM 63696-00A.
71-180 1997 & Later touring models. OEM 63698-02.

A. *MOUNTING KIT FOR FAT BOB® TANKS*

Kit includes all necessary hardware to mount 1984 & earlier tanks.

21-136 SOLD AS KIT

B. *MOUNTS FOR FAT BOB® TANKS*

Replacement Fat Bob® tank mounts; can also be used on custom frames where mounts did not exist.

5-64 Front lower bracket. SOLD EACH

C. *MOUNT FOR FLAT SIDE GAS TANKS*

Includes all necessary hardware to mount 3.5 or 5 gallon flat side gas tank.

5-181 Mounting kit. SOLD AS KIT

D. *GAS TANK MOUNTING GROMMETS FOR SOFTAIL®*

Molded rubber grommets for mounting flat side gas tanks on Softail® models 1984 & later.

5-165 Grommet. Replaces OEM 11447. SOLD AS PKG OF 6

E. *RUBBER MOUNTS*

Rubber mount and stud, with steel side plates, for battery box and oil tank. Can be used for many custom applications.

5-80 1/4 - 20 Threaded studs. OEM 62563-65. SOLD EACH

5-133 5/1 6 -18 Female one side with 5/16 - 18 male opposite side. OEM 50235-63.

F. *SWITCH & COIL RELOCATION KITS FOR SPORTSTER® 1995 & LATER*

5-245 Ignition switch & coil relocation kit. SOLD EACH

5-246 Coil relocation bracket.

G. *ONE-PIECE MOUNT FOR FAT BOB® STYLE GAS TANK*

This one-piece bracket for mounting our Fat Bob® tanks or OEM tanks will work on either custom frames or OEM frames where the brackets have been torched off. Once you have the tanks positioned right where you want them, this bracket can be welded on for even stronger support.

5-135 One-piece Fat Bob® style tank mounting bracket kit. SOLD AS KIT

H. *EARLY FRAME FLAT SIDE TANK MOUNT KIT*

Kit makes it possible to install late model flat side gas tanks with rubber isolaters on Big Twin 1958 thru 1984 Big Twin frames. Includes necessary brackets, hardware and instructions. **NOTE:** Welding is required.

5-194 Flat side tanks to early frame kit. SOLD AS KIT

I. *GAS TANK MOUNTING HARDWARE*

5-160 Chrome gas tank mounting flatside hardware kit. Fits 91'-99' Softails® w/split tanks. SOLD AS KIT

J. *HEAVY DUTY RUBBER MOUNTS*

Heavy duty rubber mounts for oil tanks, battery trays and other applications. The rubber body conceals an internal wound spring that's welded to the end plates.

5-132 1/4 - 20 Threaded stud on both sides. Replaces OEM 62563-65. SOLD EACH

5-134 5/16 -18 Female on one side, 5/16 -18 male on opposite side. Replaces OEM 50235-63.

























8

A

CHROME PLATED



5-237

5-238



COLONY

5-239



B



8

C



CHROME PLATED

D



CHROME FINISHED PLASTIC

E



CHROME PLATED

F

SLIM-POINT



SLIM-SMOOTH

G



A. *GAS TANK MOUNTING KITS*

Chrome plated custom acorn nuts, washers and stud.

5-237 Kit to mount gas tank on Softail® 2000 & later. SOLD AS KIT
5-238 Kit to mount gas tank on Softail® 1984 thru 1999.

Chrome plated custom acorn nuts, washers, studs, spacers and grommets.

5-239 Kit to mount gas tank on Sportster® 1996 & later. SOLD AS KIT

B. *LOCKABLE FLUSH MOUNT GAS CAPS*

GAS CAP SET
Replacement flush mount cap set as used on our gas tanks.

21-365 Locking gas cap set (right & left) with keys. SOLD AS SET

SINGLE VENTED CAP
Replacement flush mount cap as used on our gas tanks.

21-366 Locking vented gas cap with keys. SOLD EACH

C. *STOCK STYLE GAS CAPS*

For American type filler neck. Use on late 1936 thru 1972 H-D® models.

21-6 Vented gas cap, OEM 61103-36. SOLD EACH
21-118 Non-vented gas cap, OEM 61103-65.

D. *LATE STYLE GAS CAPS*

For screw-in style tanks. Chrome finished plastic body.

21-171 Left (non-vented). OEM 61103-83. SOLD EACH
21-172 Right (vented). OEM 61102-83A.

E. *STOCK STYLE GAS CAPS*

For American type filler neck. Use on late 1973 thru 1982 H-D® models.

21-38 Vented gas cap, OEM 61102-73. SOLD EACH
21-107 Non-vented gas cap, OEM 61103-73A.

F. *SLIM-LINE CHROME BILLET GAS CAPS*

Knurled edges for easy removal. Slim-line design keeps a nice, flowing line on the top of your tanks.

21-322 Slim-point style, vented & non-vented. SOLD AS PAIR
21-323 Slim-point style, vented. SOLD EACH
21-324 Slim-smooth style, vented & non-vented. SOLD AS PAIR
21-329 Slim-smooth style, vented. SOLD EACH

G. *AIRCRAFT GAS CAPS*

Flush mounted aircraft caps with flip-up cap & lock are designed to work with all aircraft cap style tanks and can be used on custom set-ups if you want to modify your present tanks.

21-274 Bolt-in caps, vented and non-vented. SOLD AS PAIR
21-275 Bolt-in cap, non-vented. SOLD EACH
21-276 Bolt-in cap, vented. SOLD EACH

78-100 Replacement gasket. SOLD EACH
21-303 Replacement screws; 12 per package. SOLD AS PKG.

A. *CHROME PLATED STEEL LATE STYLE GAS CAPS*

Chrome plated steel matched with the new low pressure relief vent. Will work on late (1985 thru 1991) gas tanks.

21-249 Left (non-vented). OEM 61103-83. SOLD EACH
21-250 Right (vented). OEM 61102-83A. Also fits single cap models except FLT, FLTC, FLHT & FLHTC.

B. *DELUXE II GAS CAPS*

Chrome plated, spring-loaded, gas caps.

21-166 Vented, plain. SOLD EACH
21-167 Non-vented, plain.

C. *LOCKING GAS CAPS W/PAINT SAVER*

These caps are made from aluminum & fits all screw bung gas tanks from 82'-present. They are beautifully chrome plated, supplied w/ locking tool, new viton fuel resistant seals and flush mounts to give a great custom look. The paint saver has a low profile design w/removable 1-1/2" dia. center screw in locking cap.

21-445 Vented, chrome gas cap. SOLD EACH
21-446 Non-vented, chrome gas cap.

D. *LOCKABLE GAS CAPS W/COVER*

These gas caps are fitted w/a key hole cover that protects against weather and adds a great custom look. Available for early & late style threaded gas tank filler bungs.

EARLY STYLE THREADED CAPS, 82'-96' MODELS

21-441 Chrome gas cap w/cover, vented & 2 keys. SOLD EACH

LATE STYLE THREADED CAPS, 96'-07' MODELS

21-443 Chrome gas cap w/cover, vented & 2 keys. SOLD EACH
21-444 Chrome gas cap w/cover, non-vented & 2 keys.

E. *POP-UP GAS CAPS*

21-55 For 1982 thru 1995. SOLD AS PAIR
21-56 For 1996 thru 2003.

F. *ACCEL HIGH FLOW FUEL VALVE KITS*

Accel's chrome plated high flow fuel valve includes a pre-filtering screen and reserve with an easy-to-grip lever. The valve body is engineered to prevent leakage, yet delivers maximum fuel flow for high performance applications. The kit comes complete with a chrome plated adapter nut and teflon sealing sleeve, allowing the valve to fit any stock H-D® tank with a 22mm bung. Instructions are included.

21-212 Accel high flow fuel valve kit with straight 5/16" hose barb. SOLD EACH
21-246 Same as above part No. **21-212** except with 90° spigot and 180° swivel for right, left and rear applications.

G. *SUPER PETCOCK & SUPER HORIZONTAL PETCOCK*

U.S.A. MADE, with ball valve and built-in gas line spigot.

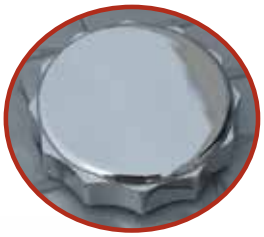
21-101 For 1/4" petcock opening with reserve shut off. Includes filter screen. SOLD EACH
21-102 For 1/4" petcock opening. Solves clearance problems.

A



CHROME PLATED STEEL

B



C



21-166 CHROME PLATED

D



E



CHROME PLATED

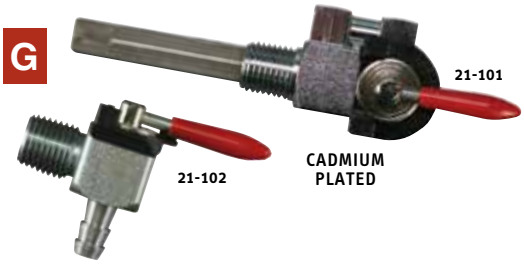
F



CHROME PLATED

21-212

G



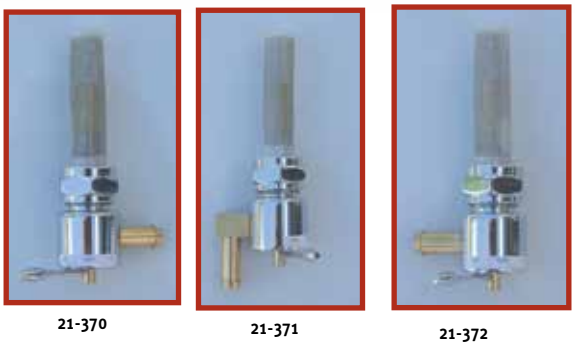
21-101

21-102

CADMIUM PLATED

8

A



B



8





C



A. *HIGH FLOW CUSTOM PETCOCKS*

Chrome plated custom petcocks fit 1975 & later. 3/8" spigot outlet; 13/16" nut.

21-370	Round body, outlet facing right.	SOLD EACH
21-371	Round body, outlet facing down.	
21-372	Round body, outlet facing rear.	
21-137	Hex body, side down outlet.	
21-138	Hex body, rear outlet.	
21-158	Hex body, front outlet.	

GOLAN PRODUCTS

Golan Products present to you our USA made, high performance, second genration and "NEW TECHNOLOGY" petcock.

Our petcock is made out of 360 brass, and stainless steel ball bearing and components.

Our Ball Bearing mechanism prevents frozen valve, providing a secure seal in "OFF" position, and our O-Ring seat secures any leak from Petcock to carburetor, and gives you the feeling of ridgid and positive action.

This new petcock can easily be modifed for use in low and shallow tanks, without any problem, petcock can be mounted in the very end of tank or any other desired location on the tank.

Large distance in positioning between "ON" and "RESERVE"(180 Degree, stop to stop) for safe operation.

Positioning handle has firm movement to prevent accidental shifting from vibration, also, this petcock is easily rebuildable.

Our Petcocks carry a limited lifetime warranty.

B. *PETCOCKS*

21-330	Click-slick petcock with side outlet, chrome.	SOLD EACH
21-331	Click-slick petcock with downward facing outlet, chrome.	
21-332	Click-slick petcock with forward facing outlet, chrome.	
21-333	Click-slick petcock with backward facing outlet, chrome.	
21-340	Click-slick petcock with side outlet, black.	
21-341	Click-slick petcock with downward facing outlet, black.	
21-342	Click-slick petcock with forward facing outlet, black.	
21-343	Click-slick petcock with backward facing outlet, black.	
21-344	Click-slick petcock with side outlet, brass.	
21-345	Click-slick petcock with downward facing outlet, brass.	
21-346	Click-slick petcock with forward facing outlet, brass.	
21-347	Click-slick petcock with backward facing outlet, brass.	

C. *COMPACT FUEL FILTERS*

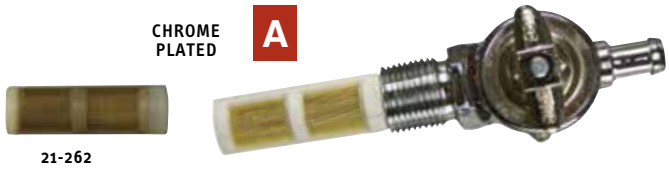
This is the best insurance you can buy to keep fuel contamination from reaching that expensive motor. These **U.S.A. MADE** compact fuel filters have a total of 4 square inches of effective aerospace quality 10 micron 304 stainless steel filtration area. The CNC aluminum filter bodies are show chrome plated.

21-334	Super Mini filter with 5/16" barb. Indefinitely reusable. Filter body is .875" long.	SOLD EACH
21-335	Mini Filter with 5/16' barb. Maximum fuel flow with no restriction.	

A. *PETCOCK FOR SPORTSTER®*

With reserve shut off, built in gas line spigot and filter screen. OEM 62125-55.

21-23 For 3/8" petcock opening in any style gas tank. SOLD EACH
21-262 Replacement filter, 1-3/4" long. Replaces OEM 62096-69.



B. *PETCOCK VACUUM VALVE BY-PASS KIT*

Ever been going down the road and your bike sputters and quits, leaving you in the middle of nowhere? It happens when your diaphragm on your petcock ruptures. Now you can forget about it! Install the bypass kit — no more diaphragm. Comes with instructions and all necessary parts.

21-10 Fits all H-D® models equipped with late diaphragm petcock. SOLD EACH



C. *OEM STYLE PETCOCKS*

These H-D® new style petcocks are engineered without O-rings to insure against gas leakage while providing maximum flow. Has filter screen and a reserve. Fits H-D® 1975 & later and custom gas tanks with external 13/16" NPT. OEM 62163-75.

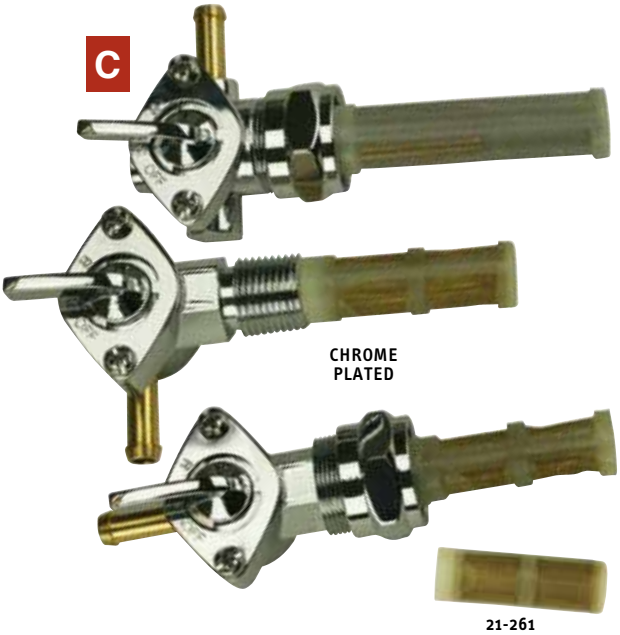
21-106 With straight outlet. SOLD EACH
21-134 With 90° outlet.
21-261 Replacement filter, short. Replaces OEM 62162-75.

Same features as petcocks 21-106 & 21-134, except fits H-D® tanks thru 1974 and custom gas tanks with internal 3/8" NPT connection. OEM 62125-55B.

21-160 With straight outlet. SOLD EACH
21-141 With 90° outlet.
21-262 Replacement filter, 1-3/4" long. Replaces OEM 62096-69.

Chrome reproduction of 1975 thru 1992 OEM gas valve. Complete with chrome 13/16" nut and nylon mesh filter screen.

21-251 Straight down outlet petcock. OEM 62129-75T. SOLD EACH
21-252 Left side outlet petcock.
21-253 Right side outlet petcock.
21-261 Replacement filter, short. Replaces OEM 62162-75.



8

IMPORTANT PETCOCK INFORMATION

Petcock openings in our tanks are either 3/8" or 1/4" NATIONAL PIPE THREAD, the same thread used in iron water pipe. The actual size of the hole in the tank is approximately 3/4" for the 3/8" NPT and 1/2" for the 1/4" NPT. Pipe thread is used because the thread is designed to seal against leakage as the petcock is screwed into the tank. It is not possible to screw the petcock all the way in flush with the gas tank.

D. *ALUMINUM FUEL FILTERS*

This is a premium quality hi-strength unit. Its alloy case is impervious to vibration, heat & shock, and its compact size makes it simple to install on practically any bike. The replaceable bronze filter element eliminates the tiny particles of dirt, rust and grit from the fuel that cause clogging & excessive wear.

21-194 Chrome fuel filter, 1/4". SOLD EACH
21-195 Red fuel filter, 1/4".
21-196 Blue fuel filter, 1/4".
21-197 Black fuel filter, 1/4".
21-198 Chrome fuel filter, 5/16".
21-199 Red fuel filter, 5/16".
21-200 Blue fuel filter, 5/16".
21-201 Black fuel filter, 5/16".





















A. *VINYL GAS LINE*

Open mesh nylon braiding has been incorporated within walls of clear vinyl, producing a pliable tubing which will not shrink or harden. Excellent for both fuel and oil lines, this rugged tubing will withstand high temperatures and pressures up to 750 psi. Highly resistant to gas, oil, and custom blended fuels.

79-10 1/4" I.D. Vinyl gas line. 25 FT. ROLL
79-11 5/16" I.D. Vinyl gas line.

B. *REINFORCED BLACK RUBBER FUEL & OIL LINE*

79-12 1/4" I.D., sold by the 25' roll. SOLD EACH
79-13 5/16" I.D., sold by the 25' roll.
79-14 3/8" I.D., sold by the 25' roll.

C. *CHROME BILLET FUEL FILTERS*

Chrome billet peak flow fuel filters with 304 S.S. filter element.

21-203 Chrome billet fuel filter for 3/8" fuel line. SOLD EACH
21-204 Chrome billet fuel filter for 5/16" fuel line.

D. *VIEW-THRU FUEL FILTER*

Aircraft type with life long washable filter. 1-1/4" Diameter x 2" long. Pyrex glass body.

21-177 View-thru filter for 1/4" fuel line. SOLD EACH
21-178 View-thru filter for 5/16" fuel line. SOLD EACH
21-615 View-thru filter for 3/8" fuel line. SOLD EACH
21-68 Replacement filter kit for above fuel filters. SOLD AS KIT

E. *VIEW-THRU FUEL FILTER KIT*

This fuel filter is fully serviceable & has a removable filter screen which makes cleaning easy. The multi fitting kit makes installation trouble free. Kit has 3 different size fittings included which can be used as required, 1/4", 5/16" & 3/8" fuel line fittings.

21-616 Short chrome filter with multi black hose fitting kit. SOLD AS KIT

F. *FUEL LINE CLAMP*

This is a screw type clamp.

21-1 For use with all sizes of our fuel and oil line. Fits 7/32" thru 5/8". SOLD EACH

G. *FUEL CROSSOVERS*

Stainless braided hose with chrome compression fittings.

71-217 1991-2005 Dyna®. SOLD EACH
71-221 2000-2006 Deuce.

71-159 Replacement o-rings, 6 pack. SOLD AS PKG.

H. *FUEL/OIL LINE SEPARATOR*

Chrome plated die cast separator for routing gas lines, oil lines and 3/8" or 5/16" I.D. stainless steel braided lines.

21-265 Separator. SOLD EACH

I. *1/4" MOTOR DRAIN PLUG*

21-21 Plug only. SOLD EACH

J. *OLD-STYLE TANK SHUT-OFF VALVE FOR FAT BOB® GAS TANK*

21-103 Fits 61" & 74" H-D® Fat Bob® tanks with left tank reserves. **NOTE:** Will not fit late style or Midwest Fat Bob® style tanks. SOLD EACH

A. *HOSE CRIMP TOOL & CLAMPS*

97-104 Hose band clamp crimp tool. SOLD EACH

66-204 11/32" I.D. For chain oiler. OEM 9992. SOLD EACH
66-205 7/16" I.D. For chain oiler. OEM 9996.
66-206 17/32" I.D. For 1/4" fuel line. OEM 10014.
66-207 19/32" I.D. For oil line. OEM 10084.
66-208 11/16" I.D. For oil line. OEM 10020A.
66-209 13/16" I.D. For oil line. OEM 10086.

BUY CLAMPS AT QTY. 25 OR 50 FOR BEST PRICE

A



97-104



66-208 CHROME PLATED

B. *FUEL LINE "T" JUNCTION*

Nylon, super strong, ultra-light construction. Large flow capacity.

21-9 Comes with two size grip rings to fit all sizes from 3/16" to 7/16" fuel line. SOLD EACH

B



C



CHROME PLATED

COLONY

C. *GAS TANK SHUT-OFF VALVE EXTENSION KNOB*

Duplicate of the original H-D® accessory. The installation of this accessory allows easier operation of the shut-off valve.

21-133 Fits 1940 thru 1965 H-D® gas tanks. SOLD EACH

D



CHROME PLATED

D. *GAS VALVE SHUT-OFF KIT FOR FAT BOB® GAS TANK*

This kit comes complete with all the parts necessary to replace the old-style gas shut-off valve. Contains cover for gas shut-off rod hole, fittings for adapting carb and gas line. For H-D® 1935 thru 1965 with Fat Bob® gas tanks.

21-88 Gas valve shut-off kit. SOLD AS KIT

E



CHROME PLATED

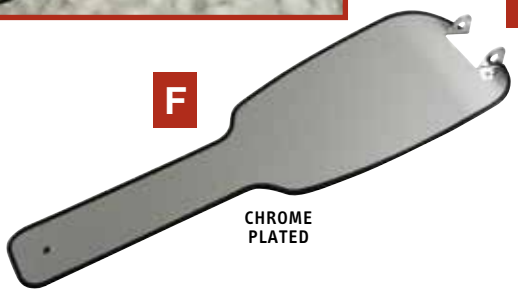
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E. *DASH PANEL FOR FAT BOB® WITH SUPER GLIDE® DASH*

Use on late models FX and Low Riders®.

89-169 Chrome plated dash panel. SOLD EACH

F



CHROME PLATED

F. *DASH PANEL FOR FAT BOB® STYLE GAS TANKS WITHOUT A DASH*

Use on Fat Bob® gas tank when stock dash cover is not used.

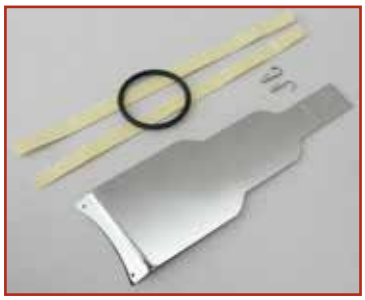
89-145 Chrome plated dash panel. SOLD EACH

G. *DASH PANEL FOR FAT BOB® STYLE GAS TANKS WITH FLH DASH*

Perfectly chromed and formed dash panel covers the gap between Fat Bob® tanks.

89-116 Plain. SOLD EACH
89-191 Engraved.

G





CHROME PLATED

A



89-370
CHROME
PLATED

A. *TANK PANELS FOR FAT BOB® STYLE GAS TANKS*

Chrome plated die cast tank panels cover the split in Fat Bob® style tanks when a frame mounted seat is used. Fits FL, FX FXWG and Softail®, 1968 & later.

89-340 Chrome plated. With installation hardware. SOLD EACH

89-370 Chrome plated "Smoothie" tank panel. Fits 1968 thru 1984 FLH, 1980 thru 1986 FXWG, and 1984 thru 1990 Softail®.

B



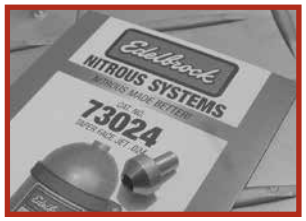
B. *CUSTOM FAT BOB® STYLE DASH COVER*

Chrome, molded, full length dash cover with black highlighted recessed ribs. Comes complete with black rubber trim, odometer reset knob and mounting hardware.

89-398 Fits all two piece Fat Bob® tanks with large FL style speedometers. SOLD EACH

EDELBROCK NITROUS SYSTEMS

C



JETS

C. *NITROUS PLATES*

Order correct carburetor plate to go with the model kits listed above.

39-461 For spigot mount carbs: Keihin CV, 40/42mm QwikSilver, 40/42 Mikuni. SOLD EACH

39-462 For spigot mount carbs: 44mm Screamin' Eagle, 45mm Mikuni.

D



39-485

BRACKETS





JETS



D. *NOS FOGGER™ NIRTOUS SYSTEMS FOR V-TWIN H-D®*

NOZZLES AND ACCESSORIES

39-485 Waterproof remote nitrous push button. SOLD EACH

REPLACEMENT BOTTLES AND COMPONENTS

39-499 Mini Hi-Flo™ for 10 oz. 5/8" bottles. SOLD EACH
39-500 10 oz. - 2.5 lb. Bottle valve handwheel.Black. SOLD EACH
39-505 O-Ring for 10 oz. bottle (5/8"). SOLD EACH
39-508 Steel fuel filter, 1/8" NPT x 5/16" barb end. SOLD EACH

JETS

Precision SS™ jets are stainless steel, 100% flow tested.

39-516 .016 Funnel jet. SOLD EACH
39-517 .018 Funnel jet.
39-518 .020 Funnel jet.
39-519 .022 Funnel jet.
39-520 .024 Funnel jet.
39-521 .026 Funnel jet.

E



BILLET
ALUMINUM
HOUSING

E. *INJECTION OVERDRIVE™ FOR FUEL INJECTED EVOLUTION® INJECTION WITH AN ATTITUDE*

This new Injection Overdrive™ interfaces with the stock onboard ECM and allows the use of low restriction pipes, high flow air cleaners & backing plates and a performance V Thunder™ cam. Simply plug in the factory type connectors on the Overdrive unit to stock connectors, select the combination with the rotary switch, install the necessary parts on the bike (cam, pipes, air cleaner) and go break some speed records! The state-of-the-art electronics are weather & vibration proof, and housed in a mirror polished billet aluminum case. (**NOTE:** 1997 Models will require different installation procedures.)

39-436 Injection Overdrive™ kit for 1997 & later; includes air cleaner element & backplate, V-Thunder F.I. cam and Fast Times™ adjustable pushrods part No. **91-834.** SOLD AS KIT

A. *DYNATEK FUEL INJECTION CONTROLLER*

The new Dyna Fuel Injection Controller is a plug in module that offers 3 user selectable base fuel curves that are designed to improve engine operation and can be modified to suit a wide variety of modifications. These adjustments are made via 3 potentiometers that adjust the fuel curve in the proper ranges for the application. Fuel mixture can be enriched or leaned as required. The Dyna FI Controller uses the factory connectors for easy installation and there is no PC required for tuning or adjusting the fuel curves. There are no modifications to the stock ECU and removing the Dyna FI controller returns the vehicle to the factory configuration.

53-685 1997-1998 Harley-Davidson Touring models with Evo engine.
53-686 1999-2001 Harley-Davidson Twin Cam® Touring models.
53-687 2002-2005 Harley-Davidson Twin Cam® Touring models.
53-688 2001-2005 Harley-Davidson Softail® & Dyna® models.

B. *STANDARD MOTOR PRODUCTS FUEL INJECTORS AND SENSORS*

39-132 Air temperature sensor, OE#27270-95. SOLD EACH
Fits all H-D models with EFI from 95'-05', except V-Rod.
39-133 Fuel pressure regulator, OE#27219-95.
Direct replacement for all FLT's with EFI from 95'-01'.
39-134 Fuel pressure regulator. Upgrade from the stock 3 bar regulator to this 3.5 bar regulator. Replaces OE# 27219-95.
39-128 Fuel injector, Delphi replacement. OE#27609-01.
Used on all late model Harleys with EFI, except V-Rod.
39-131 High flow Delphi replacement injector for Harleys with EFI. Replaces OE#27609-01.
39-130 Fuel injector, green cap. OE#27135-97.
Fits all Touring® models 99'-01'.
39-126 MAP sensor, OE#32424-95.
Direct replacement on all 95'-98' Harley bikes w/EFI.
39-136 MAP sensor, high performance 250 kpa sensor upgrade from 100 kpa stock sensor.
Replaces OE#32424-95, all 95'-98'models.
39-137 MAP sensor, Delpi. OE#32316-99. Used on all late model Harleys featuring the Delphi EFI system.
39-138 Throttle position sensor. OE#27629-01. Used on all late model Harleys featuring the Delphi EFI system, except V-Rod.
39-139 Engine temperature sensor. OE#32446-99. Used on all late model Harleys with EFI, except V-Rod.
39-141 Throttle position sensor. OE#27659-06. Used on 2006-2008 Dyna® & Softail®, and 2007-2008 Touring®
39-142 Idle Air Control Motor Assembly. OE#27658-06. Used on 2006-2008 Dyna® & Softail®, and 2006-2007 Touring®

A



B


39-132


39-133


39-126


39-128


39-134

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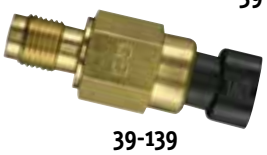

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39-141

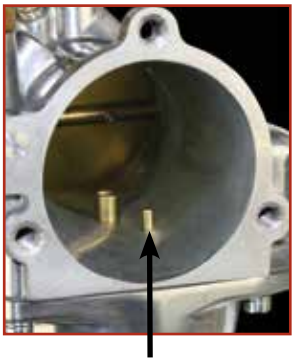

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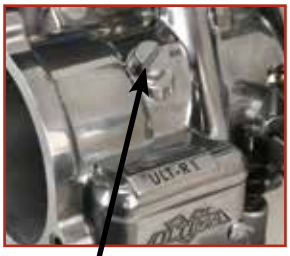

39-142

ULTIMA® PERFORMANCE CARBURETOR

Ultima®'s performance carburetors are directly interchangeable with S&S® Super G and Super E Carburetors. Ultima® carburetors will accept S&S® jets and S&S® bolt pattern air filter assemblies & manifolds.



RELOCATED ACCELERATOR PUMP NOZZLE



THUNDERJET BOLT ON!



PATENT#D638,857

Patented design improvements - a relocated accelerator pump nozzle for increased throttle response and **THUNDER JETS are a bolt on**! Simply remove the plugs and screw in the Thunder Jet. No expensive machining required! Installation & tuning instructions available online at www.ultimaproducts.com.

NOTE: Not intended for street use. Competition use only.

CARBURETOR ONLY, POLISHED FINISH.

42-91 Ultima® R1, S&S® Super G® Replacement
42-90 Ultima® R2, S&S® Super E® Replacement

Available separately. Flange style intake manifolds for Ultima® motors 1.800" id port runner.

69-141 Ultima® 100/107/113 C.I.
69-142 Ultima® 120/127 C.I.
95-133 1.800" dia. intake to head O-ring seals (2 required)



69-141

69-144

69-242

ULTIMA® FLANGE MOUNT MANIFOLDS

ROUND 1.800 PORT MANIFOLDS

69-141 Fits Ultima® 100/107/113 CI engines for use w/S&S® G, (247 length), & Ultima® R1 carbs.
69-142 Fits Ultima® 120 & 127 CI engines for use w/S&S® G, (259 length), & Ultima® R1 carbs.
69-143 Fits Ultima® 100/107/113 CI engines for use w/S&S® D Carb. (247 length)
69-144 Fits Ultima® 120 & 127 CI engines for use w/S&S® D Carb. (259 length)

OVAL PORT MANIFOLDS

69-218 Fits Ultima® 130 & 140 CI engines for use w/S&S® D Carb. (294 length, oval port)

EVOLUTION & TWIN CAM® MANIFOLDS

69-96 For 80" Evolution engines 84'-99'. With voes vacuum port only. S&S® E & Ultima® R2 carbs.
69-125 For 80" 84'-99' Evolution & 99'-later Twin Cam® engines . With voes & map sensor vacuum port. S&S® E & Ultima® R2 carbs.

SPORTSTER® MANIFOLDS

69-94 For 86'-03' Sportster®. With voes vacuum port. S&S® E & Ultima® R2 carbs.

SHOVELHEAD MANIFOLDS

69-241 Fits stock height Shovelhead & Ultima® 96" Shovelhead motors. Works with O-ring or band style seals. S&S® E & Ultima® R2 carbs.
69-242 Fits Shovelhead motors. +.200" length cylinders. Works with O-ring or band style seals. S&S® E & Ultima® R2 carbs.

ULTIMA® COMPLETE CARBURETOR KITS

By combining a sleek "free flow" air cleaner assembly with an Ultima® reusable, high flo surgical cotton air filter & performance carburetor, the new Ultima® Complete carb kits are an easy choice for maximum horsepower at minimal cost. These all new complete carb kits include everything needed to install our performance carburetors & air cleaner assemblies onto your motor of choice. Extra jets have been included for additional adjustability right out of the box.





42-143



ULTIMA® 4" MOTORS, 100 CI, 107 CI, 113 CI
42-121 Complete R1 carb kit. SOLD AS KIT

ULTIMA® 4.25" MOTORS, 120 CI, 127 CI
42-122 Complete R1 carb kit. SOLD AS KIT

B.T. EVO MOTORS 1984-LATER
42-126 Complete R2 carb kit, w/voes manifold vacuum port. SOLD AS KIT
42-129 Complete R2 carb kit, w/voes manifold vacuum & map ports. SOLD AS KIT

TWIN CAM® MOTORS
42-130 Complete R2 carb kit, w/voes manifold vacuum & map ports. SOLD AS KIT

SHOVELHEAD MOTORS W/STOCK HEIGHT CYLINDERS
42-127 Complete R2 carb kit. O-ring style. SOLD AS KIT
42-128 Complete R2 carb kit. Band style. SOLD AS KIT

XL SPORTSTER® MOTORS, 1991-LATER CARBURETED MODELS
42-143 Complete R2 carb kit, w/voes manifold vacuum port. SOLD AS KIT

NOTE: Ultima® carb kits not intended for street use.

8

ULTIMA® CARBURETOR REBUILD KITS

Contains all necessary shafts, bushings, and float bowl gasket, etc. to rebuild the main body of the R1 Ultima® carburetor. Will not work with S&S® carburetors.

39-412 Ultima® R1 Carburetor main body rebuild kit SOLD AS KIT

Contains all necessary parts to rebuild the accelerator pump on Ultima® R1/R2 carburetor. Will not work with S&S® carburetors.

39-407 Ultima® R1/R2 Carburetor accelerator pump rebuild kit SOLD AS KIT

INDIVIDUAL REPLACEMENT PARTS

39-405	Float bowl	SOLD EACH
39-406	Float	SOLD EACH
39-431	Idle mixture screw	SOLD EACH
39-432	Idle mixture spring	SOLD EACH
39-434	Float bowl gasket	SOLD EACH
39-435	Needle & seat assembly	SOLD EACH

NOTE: Order **39-412** Main body kit, **39-407** Accelerator Pump kit and **39-435** needle and seat for complete rebuild.

ULTIMA® CARBURETOR JETS (FOR ULTIMA® & S&S® CARBS)

Ultima® carburetor jets are meant for use with Ultima® R1/R2 carburetors & S&S® carburetors when adjusting fuel delivery. SOLD EACH

MAIN JETS

39-15	.048	jet	**39-10**	.070	jet
39-13	.050	jet	**39-11**	.072	jet
39-14	.052	jet	**39-12**	.074	jet
39-16	.054	jet	**39-376**	.076	jet
39-371	.056	jet	**39-377**	.078	jet
39-372	.058	jet	**39-378**	.080	jet
39-373	.060	jet	**39-379**	.082	jet
39-374	.063	jet	**39-380**	.084	jet
39-8	.064	jet	**39-381**	.086	jet
39-9	.066	jet	**39-382**	.088	jet
39-375	.068	jet	**39-383**	.090	jet

INTERMEDIATE JETS

39-362	.025	jet
39-401	.0265	jet
39-363	.028	jet
39-370	.0295	jet
39-6	.031	jet
39-402	.032	jet
39-7	.033	jet
39-403	.036	jet
39-404	.040	jet



MAIN JET



INTERMEDIATE JET

A





B



C



D



E



F



A. *ULTIMA® THROTTLE CABLE BRACKET*

Ultima® throttle cable brackets are offered in two popular applications for use with Ultima® & S&S® carburetors. Mounting screw included.

42-190	Bracket, short 1936-1989	SOLD EACH
42-191	Bracket, tall 1990-later	SOLD EACH

B. *ULTIMA® CARBURETOR ENRICHENER*

The Ultima® Carb Enrichener is a direct replacement for the stock enrichener assembly. This stand-alone enrichener is typically used when mounting air cleaners other than the stock Ultima® air cleaner. Stepped design allows for partial enrichening when not as much fuel is needed to warm up/start your engine. **Meant for use with Ultima® R1 & R2 carburetors only.** Will not work on S&S® carburetors.

42-89	Ultima® Carburetor Enrichener	SOLD EACH

C. *ULTIMA® INSULATOR BLOCKS*

The Ultima® insulator blocks can be used with Ultima® R1, R2 & S&S® Super E® & Super G® carburetors.

78-112	Ultima® Insulator block, Ultima® R1 & S&S® Super G®, .255" thick.	SOLD EACH
78-113	Ultima® Insulator block, Ultima® R2 & S&S® Super E®, .255" thick.	SOLD EACH

D. *ULTIMA® CARB GASKET*

The Ultima® carburetor gaskets can be used with Ultima® R1, R2 & S&S® Super E® & Super G® carburetors. Installs between carburetor & air cleaner assembly.

78-600	Ultima® Carb Gasket, Ultima® R1, R2, S&S® Super E® & S&S® Super G®	SOLD EACH

E. *ULTIMA® CARB SPACER*

The Ultima® carburetor spacer can be used with Ultima® R1, R2 & S&S® Super E® & Super G® carburetors. Installs between carburetor & air cleaner assembly, when additional spacing is required. .255" thick billet aluminum.

42-99	Ultima® Carb Spacer, Ultima® R1, R2, S&S® Super E® & S&S® Super G®	SOLD EACH

F. *THUNDERJETS*

The ThunderJet is a jetable, externally mounted third fuel circuit that improves the performance of 2 circuit carbs such as the Ultima®, S&S®, Keihin and Bendix. ThunderJet kits come with complete installation & tuning instructions and extra jets. Fits butterfly-type, Ultima®, CV, Keihin and Bendix carbs, and all models of S&S® carburetors. Some machining to the carb bowl and body is required.

For Ultima® R-1

39-424	Red Thunderjet.	SOLD AS KIT
39-425	Blue Thunderjet.	
39-426	Black Thunderjet.	
39-428	Polished Alum. Thunderjet.	

For Ultima® R-2

39-409	Red Thunderjet.	SOLD AS KIT
39-410	Blue Thunderjet.	
39-411	Black Thunderjet.	
39-418	Satin Alum. Thunderjet.	

ULTIMA® AIR CLEANER ASSEMBLIES



ULTIMA® AIR CLEANER PARTS

1.	**12-17**	Base plate, Air Cleaner	1
2.	**12-18**	Lever, for enrichener	1
3.	**12-19**	Washer, 0.080" thickness	4
4.	**12-20**	Bolt, binding head screw SAE #10-24 x 0.5"	1
5.	**12-21**	Copper washer	1
6.	**12-22**	Plastic washer	2
7.	**12-23**	Spring washer	1
8.	**12-24**	Eliptical washer	2
9.	**12-25**	Breather bolt	2
10.	**12-118**	Breather hose	2
11.	**12-26**	Breather cover, aluminum plate	2
12.	**12-27**	Rubber seal	1
13.	**12-361**	Air filter	1
14.	**12-28**	Bolt, SHCS SAE 1/4"-20 x 0.625"	1
15.	**12-29**	Air Director	1
16.	—	Air Cleaner Cover (5 different versions)	1
17.	**12-16**	Bolts, SCHCS SAE 1/4-20 x 1.25"	2



FREE FLOW MILLED

FREE FLOW FINNED

NO LOGO

AIR CLEANER ASSEMBLY

Ultima® air cleaners are designed to match the looks and performance of our "R" series carburetors. The adjustable breather bolt spacing allows for mounting on various motor sizes when using our carb. These kits can also be used in place of S&S® air cleaner assemblies.

FREE FLOW MILLED

12-15 Ultima® Air Cleaner Kit, chrome
12-14 Ultima® Air Cleaner Kit, polished

FREE FLOW MILLED "NO LOGO"

12-51 Ultima® Air Cleaner cover, polished
12-52 Ultima® Air Cleaner cover, chrome

FREE FLOW FINNED

12-13 Ultima® Air Cleaner Kit, chrome
12-12 Ultima® Air Cleaner Kit, polished



12-40

ULTIMA® SHOVELHEAD AIR CLEANER ASSEMBLY

Ultima® air cleaners are designed to match the looks and performance of our "R" series carburetors. Ultima® enrichener **42-89** is required & available seperately.

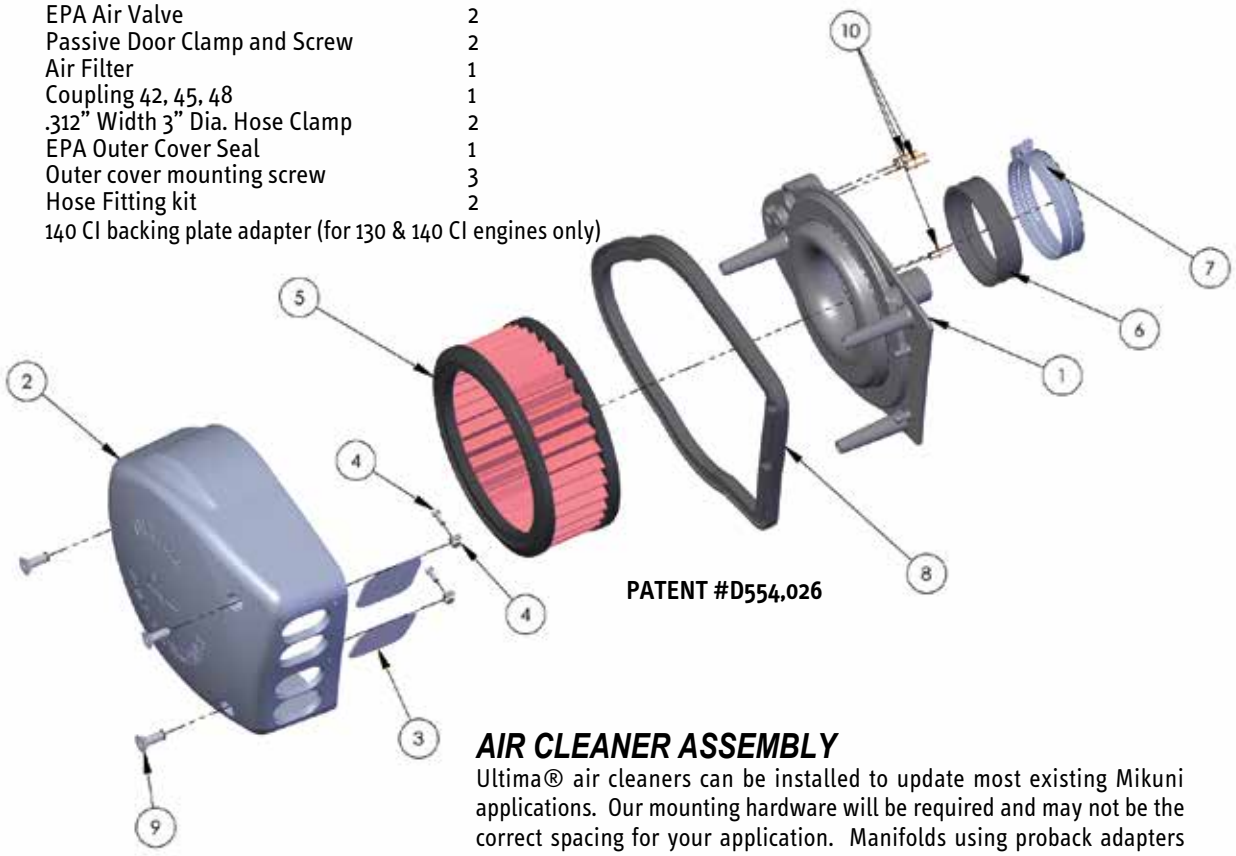
FREE FLOW MILLED

12-40 Ultima® Shovelhead Air Cleaner Kit, chrome.

ULTIMA® AIR CLEANER ASSEMBLIES

ULTIMA® AIR CLEANER PARTS

1.	**12-152**	Air filter backing plate	1
2.	**12-150A**	Air filter cover, cast finish	1
	12-150	Air filter cover, chrome	
3.	**12-153**	EPA Air Valve	2
4.	**12-154**	Passive Door Clamp and Screw	2
5.	**12-361**	Air Filter	1
6.	**12-156**	Coupling 42, 45, 48	1
7.	**12-157**	.312" Width 3" Dia. Hose Clamp	2
8.	**12-155**	EPA Outer Cover Seal	1
9.	**12-165**	Outer cover mounting screw	3
10.	**12-161**	Hose Fitting kit	2
11.	**42-120**	140 CI backing plate adapter (for 130 & 140 CI engines only)	



PATENT #D554,026

AIR CLEANER ASSEMBLY

Ultima® air cleaners can be installed to update most existing Mikuni applications. Our mounting hardware will be required and may not be the correct spacing for your application. Manifolds using proback adapters will set the carburetor out further and additional spacing will be required.



12-170

12-170	CARB approved Ultima® Air Cleaner 42/45/48, chrome.
12-170A	CARB approved Ultima® Air Cleaner 42/45/48, cast finish.
12-171	Performance Ultima® Air Cleaner 42/45/48, chrome.
12-171A	Performance Ultima® Air Cleaner 42/45/48, cast finish.
12-150	Ultima® Air Cleaner outer cover, chrome.

CARB BACKING PLATE TO HEAD MOUNTING HARDWARE

12-173	Ultima® Air Cleaner TC Head Breather Kit
12-169	Ultima® Air Cleaner EVO 92/99 Head Breather Kit
12-162	Ultima® Air Cleaner EVO 84/91 Mounting Hardware.
42-120	140 CI backing plate adapter (for 140 CI engines only)



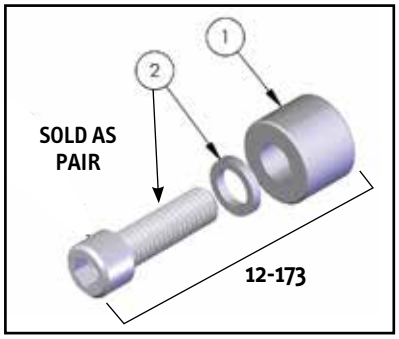
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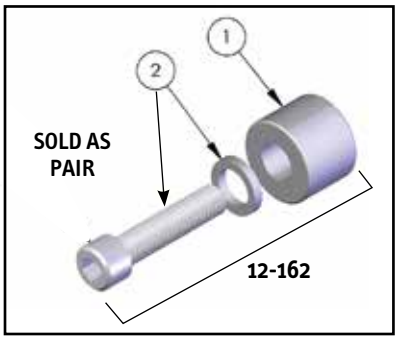
12-150

CARB BACKING PLATE TO HEAD MOUNTING HARDWARE

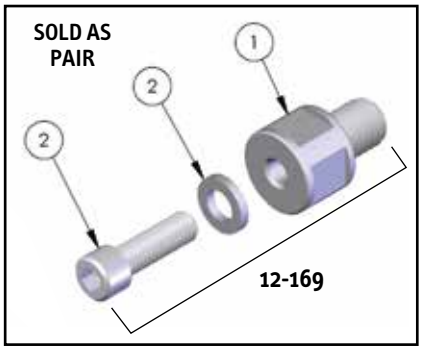
12-173 Ultima® Air Cleaner TC Head Breather Kit
12-169 Ultima® Air Cleaner EVO 92/99 Head Breather Kit
12-162 Ultima® Air Cleaner EVO 84/91 Mounting Hardware



12-173 HARDWARE KIT
1. **12-159** PCV Breather Spacer
2. **12-166** Breather Bolts & Washers



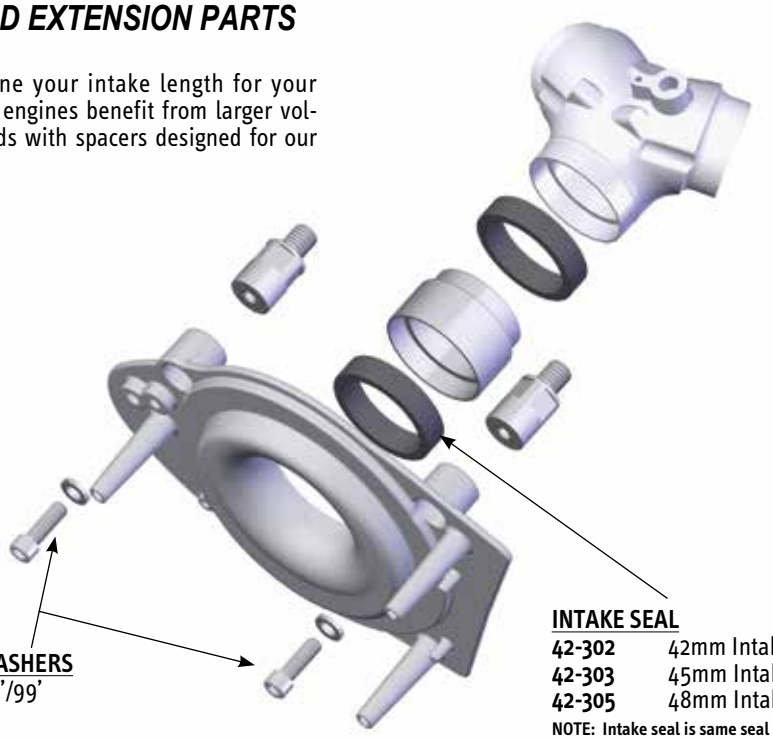
12-162 HARDWARE KIT
1. **12-159** PCV Breather Spacer
2. **12-164** Breather Bolts & Washers



12-169 HARDWARE KIT
1. **12-158** PCV Breather Spacer
2. **12-160** Breather Bolts & Washers

ULTIMA® MIKUNI MANIFOLD EXTENSION PARTS

These parts are designed to help tune your intake length for your engines' specific needs. Most V-Twin engines benefit from larger volume plenum areas. We offer manifolds with spacers designed for our Ultima® air cleaner covers.



BACKING PLATE FASTENERS W/WASHERS
12-160 1/2" & 1" spacer EVO 92'/99'
12-146 1/2" spacer EVO 84'/91'
12-147 1" spacer EVO 84'/91'
12-148 1/2" spacer Twin Cam®
12-149 1" spacer Twin Cam®

INTAKE SEAL
42-302 42mm Intake Rubber Seal
42-303 45mm Intake Rubber Seal
42-305 48mm Intake Rubber Seal
NOTE: Intake seal is same seal as used w/o spacer.

ULTIMA® MANIFOLD MEASURING INFORMATION

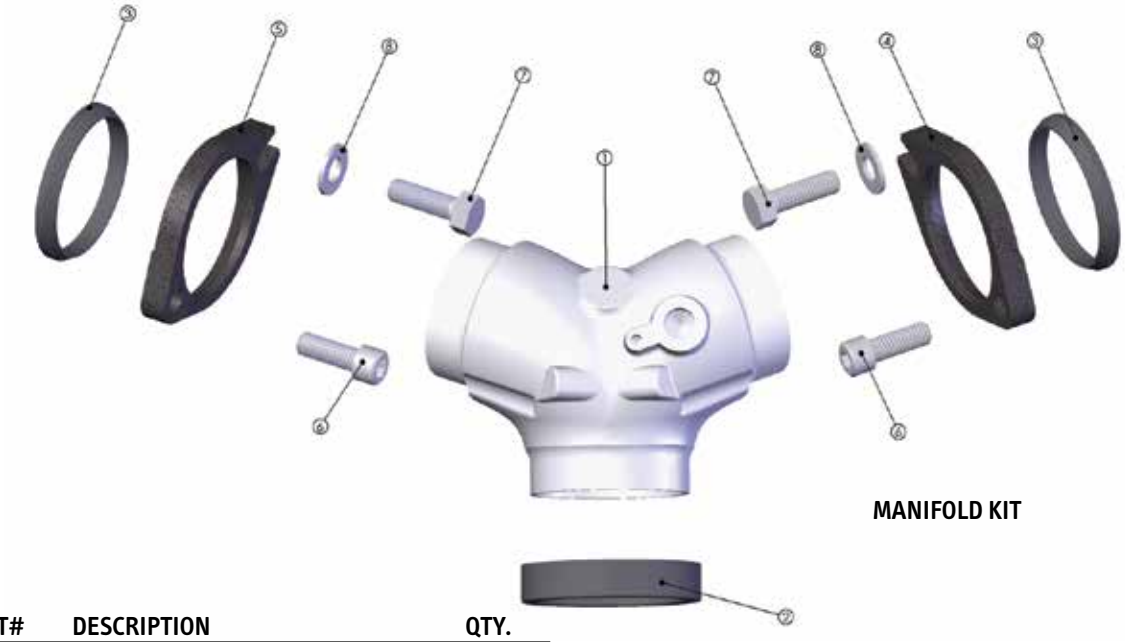
To take the guess work out of intake manifold selection, Ultima® has devised a way to measure an intake manifold that doesn't require added specialty tools, and best of all, its easy. To determine which intake manifold you need, set the manifold on a flat surface on either of the intake ports, then measure from the flat surface up to the shortest point on the other intake port as shown in the following figure. Multiply this measurement by 100 to get the intake manifold number. For instance, if the intake manifold is set on the flat surface, and the measurement to the shortest point on the opposite port is 2.47, then the intake manifold number you will need is a number 247. Measurement to part# cross reference chart can be found on the following page. It is that easy!

PLEASE NOTE:
This system was devised for intake manifold with port O.D.'s of 1.88". Please check the diameter of the intake ports on the manifold you are measuring. If the manifold has a stock O.D. of 1.81", subtract .030" from the measurement taken to get the number for the Ultima® manifold. For instance, if a manifold with a port O.D. of 1.81" is measured using the Ulitma system, and the measurement comes to 2.59", then the Ultima® manifold needed will be 2.56", or a number 256.





MANIFOLD KIT



MANIFOLD KIT

PART#	DESCRIPTION	QTY.
1. —	Intake Manifold	1
2. **42-302**	Intake Rubber Ring, 42mm spigot seal	1
42-303	Intake Rubber Ring, 45mm spigot seal	1
42-305	Intake Rubber Ring, 48mm spigot seal	1
3. **95-758**	Intake to Head Seal, OEM 26995-86A	2
95-133	Intake to Head Seal, for 1.800 ID ports all Ultima® cylinder heads, except 140ci	2
4. **69-90**	Intake Flange - Front	1
5. **69-91**	Intake Flange - Rear	1
6. —	HX-SHCS 0.3125 - 18x0.875x0.875-S	2
7. —	HBOLT 0.3125-18x1x0.875-S	2
8. —	FW 0.3125	2

ULTIMA® SPIGOT MOUNT MANIFOLDS SELECTION GUIDE



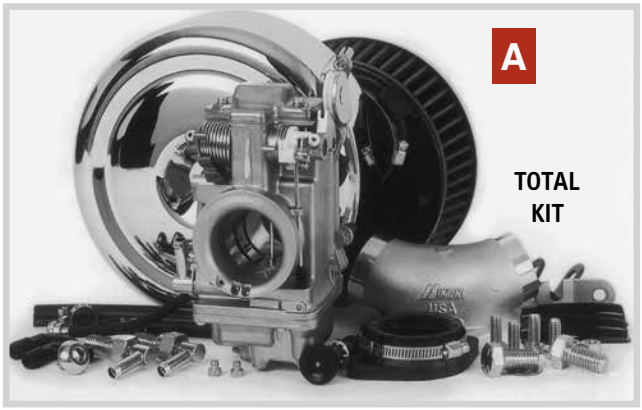
PROGRESSIVE LISTING OF MIKUNI MANIFOLD KITS BY LENGTH

Ultima® Measured Length	Approx S&S® Equivalent	Applications	Description	Manifold Kit Part #	Manifold Only Part #
42MM MANIFOLDS					
275	405	S&S® 93 & 113 EVO, S&S® 100 Twin Cam®	Manifold Kit 42 Mik #275 1.800 Port	—	**69-184A**
45MM MANIFOLDS					
247	373	Ultima® 100, 107 and 113 CI EVO--S&S® 89 XL	Manifold Kit 45 Mik #247 1.800 Port	—	**69-190A**
259	386	Ultima® 120, 127 EVO--S&S® 100 " EVO	Manifold Kit 45 Mik #259 1.800 Port	**69-194**	**69-194A**
266	394	S&S® 107 EVO	Manifold Kit 45 Mik #266 1.800 Port	—	**69-196A**
275	405	S&S® 93 & 113 EVO, S&S® 100" Twin Cam®	Manifold Kit 45 Mik #275 1.800 Port	—	**69-198A**
284	415	S&S® SSW+ 124 EVO & Twin Cam®	Manifold Kit 45 Mik #284 1.800 Port	—	**69-204A**
48MM MANIFOLDS					
256	383	Ultima® 113 TC	Manifold Kit 48 Mik #256 1.800 Port	—	**69-203A**
259	386	Ultima® 120, 127 EVO--S&S® 100 " EVO	Manifold Kit 48 Mik #259 1.800 Port	—	**69-205A**
275	405	S&S® 93 & 113 EVO, S&S® 100" Twin Cam®	Manifold Kit 48 Mik #275 1.800 Port	**69-210**	**69-210A**
278*	408	S&S® 117 EVO &TC,-- HD Stock and SE 88,95,103,113 S&S® 88,95,106 Twin Cams®-- Ultima® & S&S® 80,89,96 EVO	Manifold Kit 48 Mik #278 1.800 Port	**69-212**	**69-212A**
284	415	S&S® SSW+ 124 EVO & Twin Cam®	Manifold Kit 48 Mik #284 1.800 Port	—	**69-216A**
48MM OVAL PORT MANIFOLDS					
294	426	Ultima® 130 and 140 CI Engines	Manifold Kit 48 Mik #294 Oval Port	—	**69-217A**

NOTE: *STOCK TC & EVO LENGTH

ORIGINAL MIKUNI HSR SERIES CARBURETOR KITS

HSR Carbs use stock H-D® throttle cables. The latest 42/45/48mm smoothbore carbs install quickly using the original stock throttle cables. The HSR flatslide carb delivers excellent throttle response and improved rider control. The smoothbore allows the engine to reach its full power potential, so you accelerate and pass with confidence. You'll get good gas mileage and many years of dependable, carefree performance. These kits cover more models with fewer part numbers. Kits include instructions and hardware for each application.



A. *TOTAL KITS*

These Kits are complete with everything needed for a total installation. Kits include an HSR 42mm or 45mm carburetor, new performance manifold, rubber flange, high flow K&N filter, chrome cover, breather kit, and mounting hardware. Stock throttle cables from 1990 & later models can be used. **NOTE:** 1984 thru 1989 Evolution® models will need new cables from a similar 1990 thru 1995 model.

HSR42 KITS

42-153 Fits 1340cc Big Twin Evolution® models 1984 thru 1999. Includes breather kit for 1993 & later models. SOLD AS KIT
NOTE: 1984 thru 1989 models require cables from 1990 thru 1995 models.

42-252 Fits Twin Cam® 88/95 1999 & later. Includes new breather kit for Twin Cams®. **NOTE:** Use your stock throttle cables. SOLD AS KIT



B. *EASY KITS*

These kits are designed to work with your original H-D® intake manifold, choke cable, air cleaner and throttle cables. You can run other high performance air filters designed for the CV type carb by using the special adapter included in the kit. SOLD AS KIT

42-152 Fits Big Twin 1340cc Evolution® models 1990 thru 1999 with stock CV type manifold. Includes 42mm carb, airbox adapter, and chrome cover.

42-156 Fits Big Twin 1990 thru 1999 and Twin Cam® 1999 & later. Includes 42mm carb, airbox adapter and instructions. Evolution® uses Screamin' Eagle® air cleaner, Twin Cam® uses the stock oval cover.



HSR42/45

C. *INDIVIDUAL HSR42/45 CARBURETORS*

For the performance engine builder needing the carburetor only for specific custom applications. Available in standard aluminum finish or the polished version. (Note: Choke cable is included, ecept TM42-6 which will use stock choke cable from CV type carb).

42-422	HSR 42mm Carburetor, standard finish	SOLD EACH
42-423	HSR 42mm Carburetor, polished finish	
42-424	HSR 45mm Carburetor, standard finish	
42-425	HSR 45mm Carburetor, polished finish	
42-527	HSR 48mm Carburetor, standard finish	
42-528	HSR 48mm Carburetor, polished finish	



D. *CRANKCASE HEAD-BREATHER KITS*

For the installation of HSR Carburetor Kits using the Mikuni K&N high flow filter on Big Twins and Twin Cams®.

42-447 To mount HSR42/45 carb and filter to Evo Big Twins, includes the new chrome banjos, vent bolts and brackets. SOLD AS KIT

42-448 To mount HSR42/45 carb and filter to Twin Cam® engine, includes the new chrome banjos, vent bolts and brackets. SOLD AS KIT

A. *CARB REBUILD KITS FOR HSR 42/45/48*

All the necessary parts and gaskets to freshen up an HSR carb. Includes needle valve assembly, O-rings, gaskets and screws.

42-445 Rebuild kit for HSR42/45 carb w/4.2 needle valve & exploded view instructions. SOLD AS KIT

42-446 Rebuild kit for HSR48 carb w/4.5 needle valve & exploded view instructions. SOLD AS KIT

B. *O-RINGS FOR HI-FLO CARB BACKING PLATE ADAPTERS*

REPLACEMENT O-RINGS FOR PLATE ADAPTERS

For Part#69-129

69-003 Carb-side o-ring.

For Part#69-122

69-001 Carb-side o-ring.

C. *MIKUNI THROTTLE CABLES*

HSR42/45 Carb kits sold from 1994 to 1999 required special Mikuni throttle cables. HSR42 carbs manufactured after May 1999, and HSR45 manufactured after March 2000 use stock HD cables. SOLD EACH

42-452 Open throttle cable, 70'-95', 38 inch screw-in type.
42-453 Close idle cable, 70'-95', 38 inch screw-in type.
42-454 Open throttle cable, 70'-95', 47 inch screw-in type.
42-455 Close idle cable, 70'-95', 47 inch screw-in type.
42-457 Close idle cable, 96'-present, 38 inch push-in type.
42-458 Open throttle cable, 96'-present, 47 inch push-in type.
42-459 Close idle cable, 96'-present, 47 inch push-in type.

D. *ORIGINAL MIKUNI OPTIONAL & REPLACEMENT PARTS*

42-426 Short idle screw adjuster (optional). Uses standard spring.
42-427 Long idle cable adjuster (standard). Spring not included.
42-428 Choke cable, enrichener.
42-429 Air box adapter, adapter only for CV carb.
42-430 Adapter screws, use 3 per adapter.
42-431 O-Ring seal for airbox adapter.
42-432 Airbox adapter kit, includes **42-429** (1), **42-430** (3) and **42-431** (1), all in one kit
42-433 Chrome airbox adapter kit, chrome version of **42-432**
42-434 Rubber flange adapter, early 42mm black w/stainless steel clamp.
42-435 Rubber flange adapter, early 45mm black w/stainless steel clamp.
42-436 Rubber flange adapter, 42mm black w/stainless steel clamp.
42-437 Rubber flange adapter, 45mm black w/stainless steel clamp.
42-438 Rubber flange adapter, 48mm black w/stainless steel clamp.
42-439 Intake manifold for HSR42/45 mm, Evo style w/o hole.

A



E



42-442



42-432



CHROME CARB TOP W/O LOGO

42-449

8

E. *MIDWEST BENDIX CARBURETOR PARTS*

ALL PARTS SOLD EACH

39-23 THROTTLE STOP SCREW SPRING FOR 38MM (OEM 27613-71)
21-207 1/8 NPT X 1/4 MALE SPIGOT FOR 38MM (OEM 63578-52)
78-111 CARBURETOR BOWL GASKET FOR 38MM (OEM 27646-71)
95-143 RUBBER O-RING FOR MAIN JET FOR 38MM (OEM 27326-71)

42-440 Intake manifold for HSR42/45 mm, Twim Cam style w/ MAPS hole.
42-441 Air filter, K&N 2.5", standard in kits, washable.
42-442 Air filter, K&N 3.0", high performance, washable.
42-449 Chrome carb top w/o Mikuni logo.

JET NEEDLES (HSR42)

42-475	#95 richest
42-476	#96 richer
42-477	#97 standard
42-478	#98 leaner

JET NEEDLES (HSR45)

42-479	#95 richest
42-480	#96 richer
42-481	#97 standard
42-482	#98 leaner

JET NEEDLES (HSR48)

42-529	#95 richest
42-530	#96 richer
42-531	#97 standard
42-532	#98 leaner

ACCELERATOR PUMP NOZZLES

42-519	#70 std
42-520	#60
42-521	#50

SOLD EACH

MIKUNI JETTING PARTS

High speed (main), low speed (pilot) jets, jet needles and accelerator pum p nozzle for the HSR42/45/48 carburetors.

PILOT JETS

42-484	#15 pilot
42-485	#17.5 pilot
42-486	#20 pilot
42-487	#22.5 pilot
42-488	#25 pilot
42-489	#27.5 pilot
42-490	#30 pilot
42-491	#32.5 pilot
42-492	#35 pilot
42-533	#37.5 pilot
42-534	#40 pilot
42-535	#42.5 pilot
42-536	#45 pilot

JET NEEDLES (723 series)

42-514	#Y-2
42-515	#Y-4
42-516	#Y-6
42-517	#Y-8
42-518	#Z-0

MAIN JETS

42-538	#140 main
42-493	#150 main
42-494	#152.5 main
42-495	#155 main
42-496	#157.5 main
42-497	#160 main
42-498	#162.5 main
42-499	#165 main
42-500	#167.5 main
42-501	#170 main
42-502	#172.5 main
42-503	#175 main
42-504	#177.5 main
42-505	#180 main
42-506	#182.5 main
42-507	#185 main
42-508	#187.5 main
42-509	#190 main
42-510	#192.5 main
42-511	#195 main
42-513	#200 main

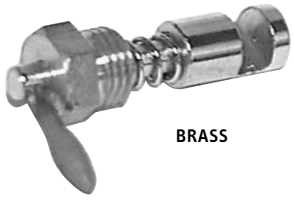
A



B



C



BRASS

D



A. *REBUILD KITS FOR ZENITH (BENDIX) CARB*

39-525 Complete kit for pre-1976 FL, FX & XL. OEM 27132-71. Imported. SOLD AS KIT

B. *ADJUSTABLE MAIN JET FOR S&S® CARBURETORS*

Easy adjustment from outside carb once installed. Must use 100 to 120 main jet in carb body. Gently seat needle then turn out 1-1/2 turns for first start, then adjust according to need.

39-359 Adjustable main jet for S&S® carb. SOLD EACH

C. *ENRICHENER FOR S&S® SUPER "B"*

When used in place of the stock part,starting and warm-up time are faster and more consistent.

39-413 Adjustable enrichener for S&S® Super "B". SOLD EACH

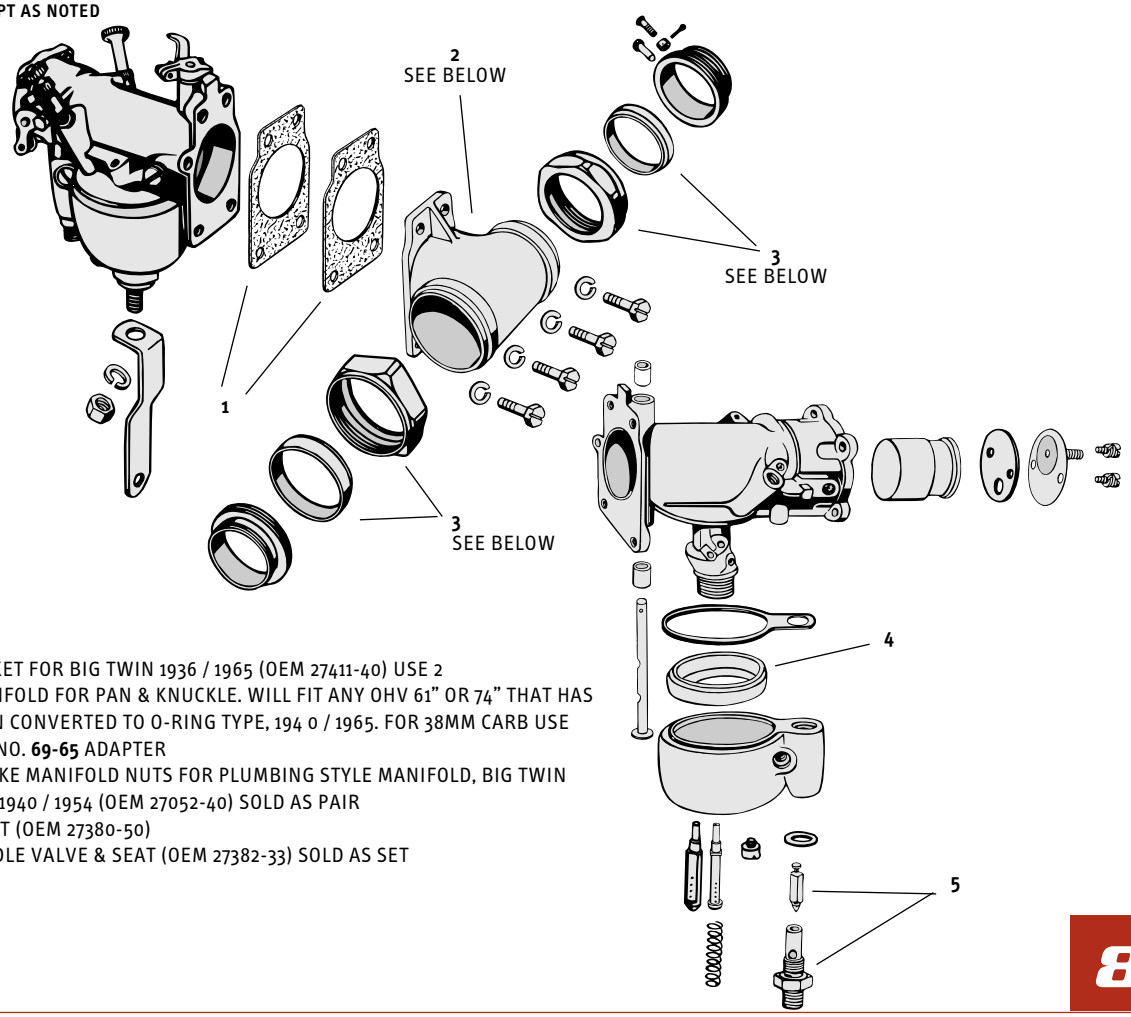
D. *ACCELERATOR PUMP DIAPHRAGM KIT FOR ALL KEIHIN, LATE CV & S&S® SUPER "E" & "G" CARBURETORS*

Diaphragm rebuild kit for "E" and "G" carbs. Includes 2 O-rings, 1 dust boot, 1 diaphragm and 1 spring. Will also replace diaphragm on all Keihin carbs (including late CV carb) 1976 to present on all Big Twin & Sportster® models

39-408 Accelerator pump diaphragm kit. SOLD AS KIT

LINKERT CARBURETOR PARTS for BIG TWINS & 45 C. I. 1933 thru 1965

ALL PARTS SOLD EACH EXCEPT AS NOTED



1	**78-408**	GASKET FOR BIG TWIN 1936 / 1965 (OEM 27411-40) USE 2
2	**69-49**	MANIFOLD FOR PAN & KNUCKLE. WILL FIT ANY OHV 61" OR 74" THAT HAS BEEN CONVERTED TO O-RING TYPE, 194 0 / 1965. FOR 38MM CARB USE ART NO. **69-65** ADAPTER
3	—	INTAKE MANIFOLD NUTS FOR PLUMBING STYLE MANIFOLD, BIG TWIN OHV 1940 / 1954 (OEM 27052-40) SOLD AS PAIR
4	**39-347**	FLOAT (OEM 27380-50)
5	**39-346**	NEEDLE VALVE & SEAT (OEM 27382-33) SOLD AS SET

8

A. *INTAKE MANIFOLD WRENCH FOR EVOLUTION®*

Special design for hard-to-reach Evolution® intake manifold bolts on Big Twin & Sportster®.

97-274 Intake manifold wrench. SOLD EACH

A



B. *CV CARBURETOR TOP COVER*

Die cast top fits Big Twin 1990 & later and XL with CV carb 1988 & later. Simple bolt-on installation. OEM 27040-88.

12-247 Plain top, chrome plated. SOLD EACH

B



12-247

C



41-948

C. *ALLEN SCREWS FOR S&S® CARBURETORS*

Chrome plated. Gardner Wescott.

41-948 For S&S® Super "B" — 7 pieces. SOLD AS KIT
41-950 For S&S® Super "E" & "G" Shorty — 48 pieces.
41-951 Air cleaner cover screws with phillips head. Fits all S&S® models — 3 pieces.
41-952 Air cleaner cover screws with allen head. Fits all S&S® models — 3 pieces.

D



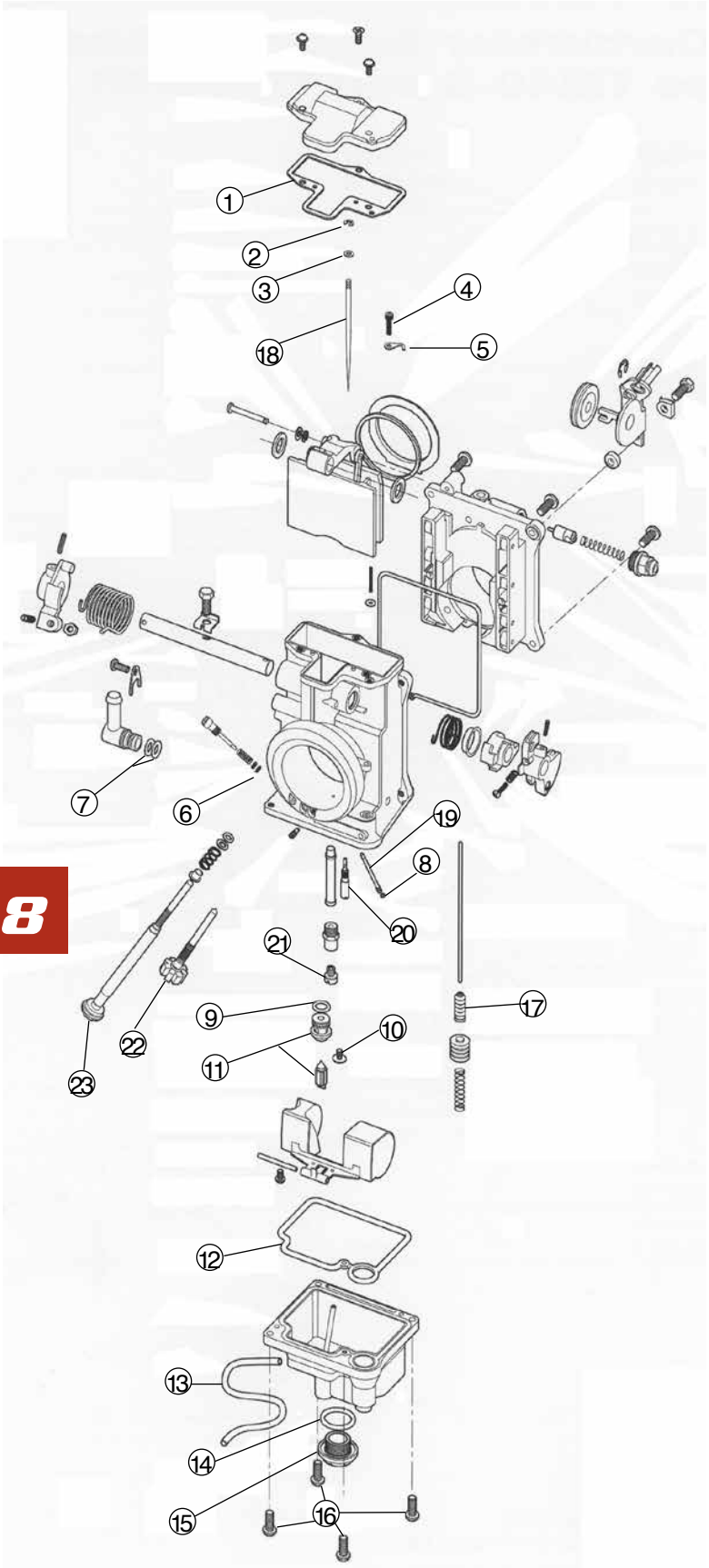


41-950

D. *MANIFOLD FOR PAN & KNUCKLE*

Will fit any OHV 61" or 74" that has been converted to O-ring type, 1940 thru 1965. For 38mm carburetor use part No. **69-65** adapter (page 8-8/25).

69-49 Linkert carb on Knuckle & Pan. SOLD EACH



HSR REPLACEMENT PARTS LIST

1.	**42-471**	Gasket, to cover
2.	**42-464**	E-Ring, jet needle
3.	**42-463**	Washer, jet needle
4.	**42-523**	Screw, needle retainer
5.	**42-524**	Clip, needle retainer
6.	**42-469**	O-Ring, pilot air
7.	**42-466**	O-Ring, fuel air
8.	**42-468**	O-Ring, A/P
9.	**42-460**	O-Ring, N.V.
10.	**42-472**	Screw, N.V. Retainer
11.	**42-474**	Needle valve assy. (42/45)
	42-462	Needle valve assy. (48)
12.	**42-461**	Packing, float bowl
13.	**42-467**	Hose, overflow
14.	**42-473**	O-Ring, drain plug
15.	**42-525**	Drain plug (42/45)
	42-526	Drain plug (48)
16.	**42-465**	Screw, flt bowl, short
17.	**42-470**	Boot, A/P rod
18.	Jet Needle	
	(723 series)	
	42-514	#Y-2
	42-515	#Y-4
	42-516	#Y-6
	42-517	#Y-8
	42-518	#Z-0
	(HSR42)	
	42-475	#95 richest
	42-476	#96 richer
	42-477	#97 standard
	42-478	#98 leaner
	(HSR45)	
	42-479	#95 richest
	42-480	#96 richer
	42-481	#97 standard
	42-482	#98 leaner
	(HSR48)	
	42-529	#95 richest
	42-530	#96 richer
	42-531	#97 standard
	42-532	#98 leaner
19.	Accelerator Pump Nozzle	
	42-519	#70 std
	42-520	#60
	42-521	#50
20.	Pilot Jet	

42-484	#15 pilot	**42-491**	#32.5 pilot
42-485	#17.5 pilot	**42-492**	#35 pilot
42-486	#20 pilot	**42-533**	#37.5 pilot
42-487	#22.5 pilot	**42-534**	#40 pilot
42-488	#25 pilot	**42-535**	#42.5 pilot
42-489	#27.5 pilot	**42-536**	#45 pilot
42-490	#30 pilot		

21. Main Jet

42-493	#150 main	**42-504**	#177.5 main
42-494	#152.5 main	**42-505**	#180 main
42-495	#155 main	**42-506**	#182.5 main
42-496	#157.5 main	**42-507**	#185 main
42-497	#160 main	**42-508**	#187.5 main
42-498	#162.5 main	**42-509**	#190 main
42-499	#165 main	**42-510**	#192.5 main
42-500	#167.5 main	**42-511**	#195 main
42-501	#170 main	**42-513**	#200 main
42-502	#172.5 main	**42-503**	#175 main

22.	**42-426**	Short idle screw adjuster (optional)
23.	**42-427**	Long idle cable adjuster (standard)

A. *ANDREWS HIGH FLOW ACCELERATOR PUMP KIT*

This kit is an easy & inexpensive way to upgrade engine performance. Removing the float bowl & drilling one hole is all that's required; the carburetor body doesn't have to be removed from the engine for pump installation. On all 1980 & later carburetors the stock accelerator pump fuel output has been reduced by eliminating all check valves in the pump housing. A high flow accelerator pump kit will increase fuel flow through the pump & therefore greatly improve low end & mid range throttle response. Complete as pictured.

42-111 For any H-D® with stock Keihin carburetor, 1980 & later. SOLD AS KIT

B. *CHOKE CABLE WITH KNOB*

This is an over stock choke wire for custom carb installations where the factory wire isn't quite long enough, or it can be cut to fit stock application. Choke wire will fit FL, FX, FXWG, FXR & Sportster® where solid choke wire is used. Thin wire, 20" long shoulder is 2-1/4" long.

39-364 Choke cable wire with knob. Replaces OEM 29216-67/72, 29219-78 & 29219-82. SOLD EACH

39-414 Chrome choke tube. fits FX & XL with motor mount mounted choke control. 6-1/2" long, "S" curved. OEM 29215-78.

C. *THROTTLE CABLE SUPPORT BRACKET*

39-344 Throttle cable support bracket for Bendix carburetor. OEM 27459-74. SOLD EACH

IMPORTANT NOTE: CARBURETORS, INTAKE MANIFOLD AND THROTTLE CABLES MUST BE USED TOGETHER.

D. *ULTIMA® CARBURETOR JETS (FOR ULTIMA® & S&S® CARBS)*

Ultima® carburetor jets are meant for use with Ultima® R1/R2 carburetors & S&S® carburetors when adjusting fuel delivery. SOLD EACH

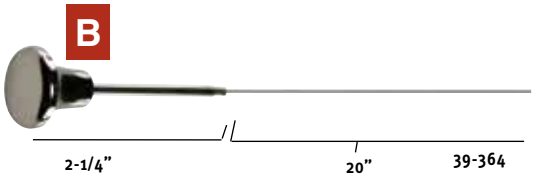
MAIN JETS

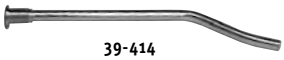
39-15	.048	jet	**39-10**	.070	jet
39-13	.050	jet	**39-11**	.072	jet
39-14	.052	jet	**39-12**	.074	jet
39-16	.054	jet	**39-376**	.076	jet
39-371	.056	jet	**39-377**	.078	jet
39-372	.058	jet	**39-378**	.080	jet
39-373	.060	jet	**39-379**	.082	jet
39-374	.063	jet	**39-380**	.084	jet
39-8	.064	jet	**39-381**	.086	jet
39-9	.066	jet	**39-382**	.088	jet
39-375	.068	jet	**39-383**	.090	jet

INTERMEDIATE JETS

39-362	.025	jet
39-401	.0265	jet
39-363	.028	jet
39-370	.0295	jet
39-6	.031	jet
39-402	.032	jet
39-7	.033	jet
39-403	.036	jet
39-404	.040	jet



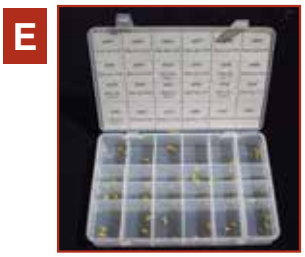
















E. *JET ASSORTMENTS*

S&S® style main & intermediate jet assortment (2 of each jet) 42 sizes in 2 plastic cases. SOLD EACH

39-535 S&S® Style main & intermediate jet assortment.

Mikuni type main jet assortment (2 of each jet) 24 sizes in plastic case.

39-536 Mikuni type main jet assortment. SOLD EACH

HD type main & slow jet assortment (2 of each) 20 sizes in plastic case.

39-537 HD type main & slow jet assortment. SOLD EACH

HD CV carb jet assortments.

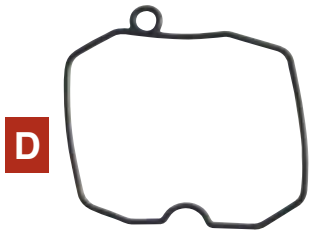
39-538 HD CV main jet assortment. 14 sizes (5 of each). SOLD EACH

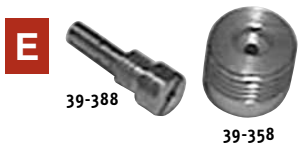
39-539 HD CV slow jet assortment. 9 sizes (5 of each).

39-540 HD CV main & slow jet assortment in plastic case. 14 main/9 slow sizes (2 of each).











8

A. *THUNDERJET*

The ThunderJet is a jetable, externally mounted third fuel circuit that improves the performance of 2 circuit carbs such as the Ultima®, S&S®, Keihin and Bendix. In a performance application, the tuner generally encounters problems jetting the carb to give good, crisp mid-range response and still have strong top-end power. The answer? The ThunderJet, a high speed circuit, delivering needed fuel to the engine at higher rpms (4500 & up).
Engine pulses control ThunderJet's fuel delivery so that the correct amount of fuel goes to the engine under all types of conditions.
ThunderJet kits come with complete installation & tuning instructions and extra jets. Fits butterfly-type, Ultima®, CV, Keihin and Bendix carbs, and all models of S&S® carburetors. Some machining to the carb bowl and body is required. This is the cheapest horsepower your dollar can buy!

For Ultima® R-1 and S & S "G" carburetors.

39-424	Red Thunderjet.	SOLD AS KIT
39-425	Blue Thunderjet.	
39-426	Black Thunderjet.	
39-428	Polished Alum. Thunderjet.	

For Ultima® R-2, Bendix, and S & S "B" and "E" carburetors.

39-409	Red Thunderjet.	SOLD AS KIT
39-410	Blue Thunderjet.	
39-411	Black Thunderjet.	
39-418	Satin Alum. Thunderjet.	

For Keihin carburetors. SOLD AS KIT

39-421	Black Thunderjet.
39-422	Polished Alum. Thunderjet.

B. *KEIHIN ALLEN SCREW KITS*

Replaces all float bowl screws. Wrench included.

41-419	Keihin carb on Big Twin 1976 thru 1989 and XL 1976 thru 1987. Gardner Wescott.	SOLD AS KIT
41-946	Keihin CV carb on Big Twin 1990 & later and XL 1988 & later. Gardner Wescott.	

C. *JETS FOR KEIHIN CV CARBURETORS*

MAIN JETS (SOLD AS PKG OF 5)

39-162	#140	**39-172**	#190
39-163	#145	**39-173**	#195
39-164	#150	**39-174**	#200
39-165	#155	**39-175**	#205
39-166	#160	**39-176**	#210
39-167	#165	**39-177**	#220
39-168	#170	**39-178**	#230
39-169	#175	**39-179**	#240
39-170	#180	**39-180**	#250
39-171	#185		

PILOT JETS (SOLD AS PKG OF 5)

39-181	#40	**39-186**	#48
39-182	#42	**39-187**	#50
39-183	#44	**39-188**	#52
39-184	#45	**39-189**	#54
39-185	#46	**39-190**	#55

D. *KEIHIN FLOAT BOWL O-RING*

95-410	Fits constant velocity "CV" carburetor 1992 & later. OEM 27577-92.	SOLD EACH

E. *JETS FOR KEIHIN CARBURETORS*

Jets for Keihin carbs used as original equipment on Big Twin 1976 thru 1989 and Sportster® 1976 thru 1987. These jets are a must when installing a new exhaust system, new stock-style air cleaner or tuning the bike. Machined from brass. Stamped for clear identification.

MAIN JETS

39-355	# 1.65mm. OEM 27419-76.	SOLD AS PKG OF 5
39-356	# 1.70mm. OEM 27418-76.	
39-357	# 1.75mm. OEM 27417-76.	
39-358	# 1.80mm. OEM 27416-76.	

PILOT JETS

39-195	.50mm.	**39-202**	.70mm.
39-196	.52mm.	**39-387**	.72mm. OEM 27897-78.
39-197	.54mm.	**39-203**	.74mm.
39-198	.56mm.	**39-388**	.75mm. OEM 27382-77.
39-199	.58mm.	**39-204**	.80mm.
39-200	.60mm.	**39-205**	.88mm.
39-201	.62mm.	**39-206**	1.00mm.
39-385	.65mm. OEM 27896-79.		SOLD AS PKG OF 5
39-386	.68mm. OEM 27894-78.		

F. *PILOT JET REMOVAL/INSTALLATION TOOL FOR CV CARBS*

97-273	Pilot jet removal / installation tool.	SOLD EACH

A. *REBUILD KIT FOR KEIHIN*

39-389	Fits 40mm constant velocity "CV" carb on Big Twin 1990 & later, and Sportster® 1988 & later.	SOLD AS KIT
39-369	Fits all Keihin carbs 1976 thru 1986 (import).	SOLD AS KIT
39-160	CV carb accelerator pump upgrade kit.	SOLD AS KIT

39-161	CV carb emulsion tube.	SOLD EACH
39-191	Keihin/CV diaphragms, OEM#27361-76.	PKG. OF 10
39-192	Keihin/CV float valve, OEM#27337-76.	PKG. OF 10
39-193	Keihin/CV float valve, OEM#27886-78.	PKG. OF 10
39-194	Keihin/CV rubber boot, OEM#27311-76.	PKG. OF 10

A



39-369



39-389

B. *KEIHIN CV PRO TUNER KIT*

More HP, better throttle response, fixes the hesitation off idle. Includes drills, spring, jets and instructions.

39-384 CV Keihin, on Big Twin and XL's 1989-up. SOLD AS KIT

TUNER KIT JETS

39-207	#1.40	**39-214**	#1.75
39-208	#1.45	**39-215**	#1.80
39-209	#1.50	**39-216**	#1.85
39-210	#1.55	**39-217**	#1.90
39-211	#1.60	**39-218**	#1.95
39-212	#1.65	**39-219**	#2.00
39-213	#1.70	**39-220**	#2.05

B



C. *FLANGE STYLE MANIFOLD ADAPTER*

69-65 To adapt 40/44mm manifold to 38mm Mikuni. SOLD EACH

D. *INTAKE RING FOR S&S® HEADS*

Special intake O-ring for use with S&S® heads & intake manifold. Smaller cross section than OEM for better fit. A must-use item.

95-133 Intake O-ring. Fits 1984 Evolution® S&S® heads. SOLD EACH

C



D



E. *ARLEN NESS STYLE INTAKE MANIFOLD CLAMP*

These clamps add the finishing custom touch while insuring unmatched super-sealing intake port connections. Chromed allen head bolts feed into barrel-type pre-threaded nuts which are heliarc welded to clamps. 1/8" Cold rolled steel. A must for those extra show points.

66-47 Clamp for 74" 1955 thru 1978-1/2 and Sportster® 1957 & later. SOLD AS PAIR

95-760 O-ring seals (not shown). SOLD AS PKG

E



CHROME PLATED

8

A



66-84

B



66-99



66-45

8

C



COLONY

D



COLONY

BRASS

E



12-212

CHROME TOP



12-108

K&N THE WORLD'S BEST AIR FILTER

A. *STAINLESS STEEL AIRCRAFT STYLE INTAKE CLAMPS*

Our stainless steel, improved design aircraft style intake clamps are available with early or late style manifold seals. Self-locking nuts also included. Fits Pan, Shovel & Sportster®.

66-98 Fits O-ring type, 1955 thru early 1978. SOLD AS PAIR
66-84 Fits rubber band type, late 1978 thru 1985. OEM 27066-85T.

Intake manifold seals fit Pan, Shovel & Sportster® intake manifolds.

95-760 O-ring seal. OEM 27060-55. SOLD AS PKG.
95-321 Rubber band seal. OEM 27062-78. SOLD EACH

B. *AIRCRAFT QUALITY T-BOLT BAND CLAMPS*

For 74", 80" and Sportster®, these band clamps employ heat treated 1/4"-28 plated steel T-bolts with plated steel locknuts for excellent strength, weatherability and ease of assembly. A crimped-in-place, flanged, floating bridge remains centered over the hose in the opening between clamp ends during tightening. A smooth inner band prevents cutting or bulging and allows greater torquing capability than conventional worm gear clamps. The band also assures an equalized 360° clamping force around the hose for tight connections.

O-ring type clamps for 1955 thru early 1978.

66-45 Clamps only. SOLD AS PAIR
95-760 O-ring seal. OEM 27060-55. SOLD AS PKG

Rubber band type clamps for late 1978 thru 1984.

66-99 Clamps only. SOLD AS PAIR
95-321 Rubber band seal. OEM 27062-78. SOLD EACH

C. *INTAKE MANIFOLD O-RING FOR CONVERSION NIPPLES*

95-760 O-ring only. SOLD AS PKG

D. *INTAKE MANIFOLD SEALS*

For plumbing type manifold. Duplicate of OEM.

69-46 For Big Twin OHV 1940 thru 1954. OEM 27059-40. SOLD AS PAIR
69-66 For Big Twin side valves 1934 thru 1948. OEM 27057-30.

E. *CRANKCASE VENT FILTERS*

Quiets breather system and filters impurities from entering the lower end of the motor. Helpful on models 1975 & later without stock air cleaner. 2-1/2" Dia. x 1-1/2" high with steel baseplate and 3/8" O.D. hose fitting.

12-212 Vent filter with rubber top.K&N. SOLD EACH
12-213 Vent filter with chrome top & mounting stud. K&N.
12-108 Vent filter with chrome top & mounting bolt. Imported (not shown).

A. *MANIFOLD FLANGE MOUNTING HARDWARE & SEALS FOR EVOLUTION®*

69-90 Front mounting flange. OEM 27009-86B. SOLD EACH
69-91 Rear mounting flange. OEM 27010-86B. SOLD EACH

Manifold mounting seal ring kit for Evolution® Big Twin & Sportster® with metal manifolds, 1989 & later.

95-403 Manifold seal kit. Replaces OEM 26995-86A (includes 2), and OEM 27002-89 (includes 1). SOLD AS KIT
78-210 Intake manifold seals. OEM 26995-86A. SOLD AS PKG. OF 10.

If you have ever removed the manifold on 1986 & later Sportster® or 1990 & later Big Twin you will instantly understand why you need this kit. The use of 12-point heads allows much easier access to the bolt in this confined area. Our bolt kit will work on all years Evolution®'s but is especially helpful on the years mentioned above. Any time you change or work on carbs, use this kit to replace the stock allen bolts.

41-945 Chrome plated, 12-point head flange bolts, four per kit. Replaces OEM 3201W. SOLD AS KIT

Knurled allen screws and washers mount intake manifold to cylinder head

41-148 Chrome manifold hardware for Big Twin & XL 1995 & later. Colony. SOLD AS KIT
97-274 Special designed wrench for intake manifold bolts on Evolution® Big Twin & Sportster®. SOLD EACH

B. *CRANKCASE BREATHER ASSEMBLIES*

Chrome plated die cast zinc base with 5/16" inlet. The included hose clamp holds the filter with attached lightweight chrome top in place. Easily installed.

12-241 Complete crankcase breather assembly. SOLD EACH
12-266 Replacement filter only for part No. **12-241** above. With chrome die cast top.

12-242 Economy crankcase breather with black rubber top. Mount bracket **NOT** included. SOLD EACH

C. *CRANKCASE VENT*

Increase horsepower with our new chrome crankcase vent.

12-240 Crankcase vent. SOLD EACH

D. *THRU-THE-HEAD CRANKCASE BREATHERS*

This kit is used when installing custom air cleaners that don't have provisions for thru-the-head crankcase venting. Can be routed to back side of new filter or used with crankcase vent filters.

12-281 Fits Big Twin 1993 thru 1999. Replaces OEM 29308-93 & 29310-93. SOLD AS KIT
12-282 Fits Sportster® 1991 & later. Replaces OEM 29281-91.

E. *CHROME BILLET GEAR BOX BREATHER*

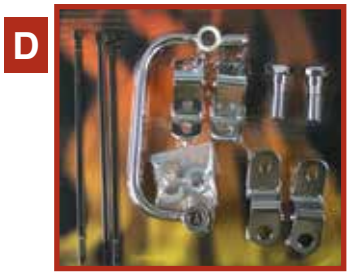
Our new gearbox breather is fully machined from billet aluminum and then show chrome plated. Simple — just install to your existing gearbox overflow vent hose. Sponge inside holds excess oil and keeps it away from the rear wheel & tire.

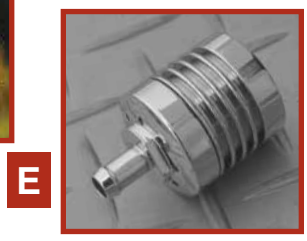
25-107 Golan Products billet gearbox breather. SOLD EACH











8

A



A. *CRANKCASE BREATHER KIT*

Crankcase breather kit with braided hose.

12-109 Fits 1993 thru 2001 Big Twin. SOLD AS KIT

B. *HAYDEN KRANK VENT PLUS*

More than simply venting your crankcase fumes, the Krank Vent Plus, when installed on your engine breather hose, controls the air under the pistons by maintaining the proper amount of vacuum in the crankcase at any RPM. This prevents the engine from working against itself and prevents blown or weeping gaskets. You'll gain an added benefit of 2 to 7% increase in usable rear wheel horsepower. A better seal is achieved due to an increased pressure differential across the compression rings. The engine sounds deeper and is more powerful with a quicker throttle response. The unit also snaps open for easy cleaning.

21-307 Krank Vent Plus. SOLD EACH

B



CHROME PLATED

C



PATENT NO. US 6167849B1

C. *ENGINE BREATHER OIL COLLECTOR "E B O C"*

Most experienced builders know the problem of oil mist being expelled from the crankcase (especially true of modified or big inch stroker motors). This oil finds its way everywhere — pipes, rear wheel, frame, etc. No matter where you put the vent hose, it will eventually make a mess. The EBOC solves the problem by collecting the oil and allowing you to drain it when necessary. Made from billet aluminum. Internally baffled with breather filter included. Can be used in conjunction with Spyke or Hayden PCV valves. Overall height 5", canister size 2-3/4" high with 1-1/2" diameter. Drain plug is on bottom. US PATENT NO. 6167849B1.

21-359 Polished billet EBOC. SOLD EACH
21-360 Chrome billet EBOC.
12-307 Replacement filter for EBOC.

8

D



D. *CHROME BILLET TC CYLINDER MOUNT BREATHERS*

Chrome billet cylinder mount breathers for use with Twin Cam® engines.

12-101 Billet Cylinder Mount Breathers SOLD AS KIT

E



E. *ACCELERATOR PUMP DIAPHRAGM KIT FOR KEIHIN*

Diaphragm rebuild kit for all Keihin carbs (including late CV carb) 1976 to present on all Big Twin & Sportster® models. Will also replace diaphragm on S&S® "E" and "G" carbs. Kit includes the following items:

QTY.	OEM NO.	DESCRIPTION
2	27360-76	O-ring.
1	27311-76	Dust boot.
1	27361-76	Diaphragm.
1	27362-76	Spring.

39-408 Accelerator pump diaphragm kit. SOLD AS KIT

F



F. *YOST POWER TUBE FOR S&S® CARBURETOR*

The Power Tube is a fuel atomizing device designed to work in the carb jetting system. It will provide a noticeable amount of power and a smoother running engine. Installation should take less than ten minutes to complete. Instructions included.

39-417 Power Tube for S&S® "B", "E", & "G" models. SOLD AS KIT
Patent No. 5,223,180.

A. *YOST POWER TUBE KITS*

Each kit comes complete with the emulsion tube, Yost power tube (press fitted into the emulsion tube), Blue and Red needles, spring, 1/8 drill bit, 7/64 drill bit, 165, 175, 185 & 195 main jets, and washers.

WHAT WILL THE POWER TUBE DO?

- Gives the customer the best bang for his dollar
- Machined from solid brass and completely **U.S.A. MADE**.
- Atomizes the fuel, creating a much more efficient and cleaner burning fuel mixture
- Specifically designed to synchronize the engine demand with the air and fuel requirements.
- Provides an almost unbelievably smooth transition and throttle response (almost eliminates any flat spot).
- Very easy to install (approximately 1 hour). Complete instructions included.

39-416 CV40 Master kit. Patent No. 5,223,180. Fits all Keihin Carburetors 1988-Later Sportsters® & Buell, 1990-later Big Twins, 1999-later Twin Cams®. SOLD AS KIT

B. *AIR MIXTURE SCREW PACKING KIT*

Fits al Harley, Keihin & CV style carburetors. Contains poly-acrylic o-ring, packing washer & stainless steel spring. MADE IN USA.

39-310 Air mixture packing kit. SOLD AS KIT

C. *NO-HASSLE JET KITS FOR CV CARBS*

No kidding — your Granny could tune your stock Keihin CV carb with this kit. No drilling of the slide. Just wind-in the new tapered needle and choose from the slow and main jets provided. You won't think it's the same carb. Includes complete instructions to fine-tune for air cleaner, exhaust, or cam change.

39-450 Kit for 1989 thru 1999 Big Twin except Twin Cam 88™. SOLD AS KIT
39-446 Kit for 1988 thru 1999 XL 1200 except 1997 thru 1999 1200S.
39-447 Kit for 1988 thru 1999 Xl 883.
39-448 Kit for 1994 thru 1998 Buell S1, S2/T, S3/T, M2, and 1997 thru 1999 XL1200S.
39-449 Kit for 1999 & 2000 Big Twin and Twin Cam 88™, with CV carb.

97-273 Pilot jet removal/installation tool for above No-Hassle jet kits. SOLD EACH

D. *MANIFOLD INSULATING SPACER*

This spacer fits between intake manifold and carb keeping unwanted heat, which can cause vapor lock, away from the carb. Also helps performance by keeping gas cooler for better atomization. The spacer is 7/16" thick. Includes a gasket for both sides. Large center hole is 1-11/16" I.D. Mounting holes are 2-3/4" center to center.

78-151 Fits Bendix and Keihin flange mount carburetors. OEM 29250-78A. SOLD EACH
78-403 Gasket only. OEM 27077-78. SOLD AS PKG. OF 10

A





B



C





97-273

8

1-11/16" I.D.

D



A



B



CHROME PLATED 12-122

C



CHROME PLATED

D



E



CHROME PLATED

F



G



CHROME PLATED

39-440



39-444



39-441

A. *VELOCITY STACK AIR CLEANER KITS*

These kits offer great looks and increased performance.
Made from billet aluminum.

12-296 Replacement filter, chrome. SOLD EACH

ADAPTER KITS

Complete the installation with any of our following adapter kits for each specific model.

12-230 08'-present Dresser A/C 1/2" alum adapter/spacer kit.
12-232 Bracket A/C with breather 08'-later FL support kit.

B. *EARLY H-D® STYLE AIR FILTERS*

7" Diameter x 2-1/2" thick. Same size & shape as the old round H-D® air filter. Fits Bendix, Tillotson and Keihin.

12-122 With engraved motorcycle logo. SOLD EACH
12-178 Unifilter element only for above air cleaners.
12-131 K&N element only for above air cleaners.

C. *ROUND AIR FILTER*

The high performance round-style air filter adds class. Fits H-D® Bendix, Tillotson, Keihin and S&S® carbs. The dimensions are 5-1/2" diameter x 1-3/4" thick.

12-117 Plain round air filter. SOLD EACH

D. *ROUND RAM-FLO AIR FILTER*

Improve the performance of your motorcycle with the Ram-Flo Air Filter that remains efficient where air demands are high. Flame retardant, washable in soap & water & designed to run dry.

12-113 For H-D® with Tillotson, Bendix, & Keihin carbs. SOLD EACH
12-114 For H-D® with Keihin CV carbs.
12-116 For H-D® with S&S® E and G carbs.

E. *DRILLED DISC AIR CLEANER*

For Bendix, Tillotson, Keihin (except "CV") and S&S® (except Super "E" & Super "G") carburetors. Complete with washable foam element & mounting hardware.

12-251 Air cleaner. Replaces OEM 80040-81. SOLD EACH
12-190 Replacement element for above part No. **12-251**. OEM 29085-81.

F. *AIR CLEANER SCREWS*

5/16 - 24 Oval head slotted screws. Replaces OEM 2402-W.

12-177 Fits many applications, including H-D® air cleaners. SOLD AS KIT OF 3

G. *AIR CLEANER SUPPORT BRACKETS*

CV Carb support bracket & crankcase breather kit for use with any CV air cleaner and thru-head crankcase breather. Does **NOT** include air cleaner.

39-441 For Evolution® Big Twin 1993 & later. SOLD AS KIT
39-440 For Evolution® Sportster® 1991 & later.

Teardrop air cleaner support bracket. Easily installed. Includes hardware.

39-444 For Shovel 1966 thru 1985. Replaces OEM 29206-87T. SOLD EACH

A. *MIDWEST AIR FILTERS*

These hand poured air filters are **MADE IN THE U.S.A.** and are available for multiple applications. Made from a high-flow four layer construction of surgical cotton, epoxy coated wire mesh, zinc coated components & urethane seals. 100% washable & reusable.

MODEL/YEAR	PART NO.	OEM NO.
S&S® Super E/G	**12-370**	
99'-04' TC88	**12-371**	29461-99
90'-99' EVO BT	**12-372**	29259-91A
88'-03' XL	**12-373**	29036-88B
99'-01' FLT F.I.	**12-374**	29462-99
S&S® 2-3/16" X 6"	**12-375**	
95'-99' EVO F.I.	**12-376**	29291-95
EVO HIGH FLOW 7"ROUND	**12-377**	29055-89
S&S® D-TEARDROP	**12-378**	
86'-89' EVO BT	**12-380**	29259-86T
TC HIGH FLOW-TAPERED	**12-381**	29442-99a,b,c,d
SPORTSTER®	**12-385**	29044-04
V-ROD	**12-386**	29437-01
04'-UP XL	**12-387**	29331-04
HIGH FLOW TOURING 08'-10'	**12-388**	29633-08
08' DRESSERS	**12-389**	29244-08

A



B. *HIGH PERFORMANCE AIR CLEANER KITS*

These round 5-7/8" dia. custom high performance air cleaners are made from billet aluminum and are designed for high end air flow along with easy fitment & service. Available in chrome or black anodized finish, they add a great look to compliment any bike theme or style. Each kit comes complete with a high performance filter, backing plate & mounting hardware.

12-205 Chrome HP classic smoothie A/C kit. SOLD AS KIT
12-206 Black HP classic smoothie A/C kit.
12-207 Chrome HP smooth cross A/C kit.
12-208 Black HP smooth cross A/C kit.
12-209 Chrome HP 5-Splade A/C kit.
12-214 Black HP Lone-Star A/C kit.
12-233 Chrome 3D A/C kit.
12-235 Black 3D A/C kit.

B



8

ADAPTER KITS
Complete the installation with any of our following adapter kits for each specific model.

12-230 08'-present Dresser A/C 1/2" alum adapter/spacer kit.
12-232 Bracket A/C with breather 08'-later FL support kit.

C. *K&N AIR FILTER OIL*

103-12 SOLD EACH

12 BOTTLES TO A CASE

C



D. *RECHARGER FILTER CARE SERVICE KIT*

A six step maintenance system designed to recharge any K&N Filtercharger® air filter. Completely restores air flow efficiency so your Filtercharger® performs like new!

103-201 Service kit. Includes 6.5 oz. air filter spray oil, 12 oz. filter cleaner and service decal. SOLD AS KIT

D



ULTIMA® AIR FILTERS

- Hand poured to eliminate wicking
- Zinc coated components to prevent rusting
- Urethane seals better to mating surfaces because it is more flexible
- 100% washable and reusable
- High-Flo four layer construction of surgical cotton
- Epoxy coated wire mesh


12-579


12-581


12-577


12-575


12-576


12-578


12-580

MODEL/YEAR	PART NO.	OEM NO.
S&S® Super E/G	**12-579**	
TC88 99'-07', Softails® 08'-14' except EFI	**12-581**	29461-99
90'-99' EVO BT	**12-576**	29259-89, 29259-91A, 29330-96, 29259-93
88'-03' XL	**12-578**	29036-88B, 29331-96
Screaming Eagle TC Touring models 08'-14'	**12-575**	29244-08
04'-14' XL	**12-577**	29331-04
Screaming Eagle TC 99'-later	**12-580**	29442-99A,B,C,D
Dyna 2008-later	★ **12-582**	29191-08
Touring models, TC 96, 2008-later	★ **12-583**	29633-08

NEW!





UNIFILTER AIR FILTER ELEMENTS FOR H-D®& CUSTOM FILTERS

The Uni Filters use a unique open cell polyurethane foam designed especially for filtration. Virtually no dirt or dust particles escape capture and extremely high air flow & filtering efficiencies are achieved. When cleaning is required just wash the filter in grease cutting dish washing detergent and re-oil the clean filter as many times as you want. Washing and handling can't harm the Uni Filter, it's polyurethane — plastic — so it's tough. **NOTE:** Be sure to use air filter oil (found in Section 13), before using these filters.

MIDWEST PART NO.	OEM NO	FILTER HEIGHT*	SHAPE	YEAR	APPLICATION
12-50	29036-41	1-3/4"	Round	1941 thru 1966	H-D® Twin. Also fits 7" custom housing.
12-107	29036-72	2"	Oval	1966 thru early 1973 1967 thru early 1975	XL. FL and FX.
12-107	29036-72	2"	Oval	1983 thru 1985	XL.
12-178	N/A	2"	Round		Fits S&S® type housing. Super "B". Also fits some 7" custom housings.
12-243	N/A	2-1/2"	Round		Fits S&S® #379 housing. Super "E" and"G".
12-190	N/A	1/2"	Round		Fits 6" H-D® baby moon drilled type housing.

UNI THE BEST AIR FILTERS ON EARTH

***NOTE:** Filter height measurement is taken when element is compressed in housing. For comparison, measure inner reinforcement screen.

SOLD EACH

ACCEL POWERFILTERS™ FOR H-D®

ACCEL

The Accel Performance Air Filters feature a unique dual stage polyurethane foam construction that increases air flow and filtration. Increased filtration means longer engine life, increased air flow means quicker acceleration. Each Powerfilter™ is pre-oiled and sealed in a polybag for easy, ready to install, bolt-on performance. Accel Powerfilters™ are high quality and carry a lifetime replacement warranty. **U.S.A. MADE**.

SOLD EACH

PART NO.	OUTSIDE DIA.	INSIDE DIA.	HEIGHT	COMPRESSED HEIGHT	OEM NO.	YEAR	APPLICATION
12-264					29001-85T		Dragtron type housing.

A. *K&N CUSTOM AIR FILTERS FOR H-D®*



These K&N custom air cleaners were designed to fit H-D® motorcycles equipped with various carburetors. The K&N air cleaners are not street legal nor recommended by the Harley-Davidson® Motor Co., Inc. The K&N custom air cleaners can increase horsepower with proper carburetor calibration. **PROUDLY MADE IN THE U.S.A.**

TO ORDER: Locate the MIDWEST part number to the left of the K&N number, after finding the desired style & application. **YOU MUST ORDER BY THE MIDWEST PART NUMBER.**

APPLICATION	5" DIA. OPEN ROUND PART NO.	K&N NO.	6" DIA. CHROME BONNET PART NO.	K&N NO.
Keihin and S&S® carburetors, 1976 & later. Designed to bolt up directly to the Keihin or S&S® carbs.	**12-191**	RK-3201		
Bendix-Tillotson carburetors, 1975 & earlier.			**12-59**	RT-320B
Linkert carburetors (early 4-bolt models)			**12-115**	RL-320B
Mikuni carburetors, 36 - 38mm. Designed to clamp directly to the carburetor flange. 2-7/16" Mounting flange.	**12-105**	RC-0850	**12-75**	ML-0850B
Mikuni carburetors, 40 - 44mm. Designed to clamp directly to the carburetor flange. 2-3/4" Mounting flange.	**12-201**	RC-0920	**12-76**	ML-0920B
Keihin Flowmaster carburetors, 36 - 38mm. Designed to clamp directly to the carburetor flange. 2-5/8" Mounting flange.	**12-253**	RK3800	**12-254**	RK-380B

SOLD EACH

REPLACEMENT ELEMENTS FOR AFTERMARKET CUSTOM AIR CLEANERS

APPLICATION	MIDWEST PART NO.	K&N NO.
Fits S&S® Teardrop shaped housing.	**12-131**	E-3225
Fits S&S® "E" & "G" Teardrop shaped housing.	**12-256**	E-3226

SOLD EACH



MODEL / YEAR	PART NO.	OEM NO.	K&N NO.
45" Models, 1941 thru 1955. 74" OHV, 1955 & 1956.	**12-126**	29036-41TA	E-2470
FL 1967 thru early 1975. FX 1971 thru early 1974. XL 1966 thru early 1973. XL 1983 thru 1985.	**12-127**	29036-72T	HD-0200
FL & FX, late 1975 & 1976. XL 1973 thru early 1975.	**12-128**	29086-73T	HD-2075
FL & FX, 1977 & early 1978 XL late 1975 thru 1978.	**12-129**	29086-75T	HD-2076
FL & FX (except FXST), late 1978 thru 1984. FLT 1980 thru 1982. FXR 1982 & 1983. XL 1979 thru 1982.	**12-130**	29255-78TA	HD-2078
FXR & FXST, 1983 thru 1985.	**12-181**	29259-83TA	HD-2084
FLT, FXR & Softail®, 1986 thru 1989.	**12-231**	29259-86T	HD-2086
XL 1988 thru 2003.	**12-260**	29036-88B	HD-1388
XL 2004 thru 2005.	**12-383**	29331-96	HD-8834

SOLD EACH

B. *K&N STOCK REPLACEMENT AIR FILTER ELEMENTS*

FOR ALL STREET LEGAL MOTORCYCLES:
K&N Replacement Air Filters are designed to fit right in the standard OEM airbox. No modifications are required by the owner, no jet changes or adjustment to the carburetors is anticipated or suggested. Customer modification of the standard airbox — removing the cover, drilling holes in side or top — will have a drastic effect on smooth carburetion. Modifications will cause the system to run lean and reduce horsepower. **KEEP IT STOCK** and the new K&N Replacement Element will be good for the life of the engine. Service every 50,000 miles. **YOU MUST ORDER BY THE MIDWEST PART NUMBER ONLY!**

MODEL / YEAR	PART NO.	OEM NO.	K&N NO.
FLHR 1994 thru 1998. FLHT 1995 thru 1998. FLHTC 1996 thru 1998. FLSTC 1991 thru 1999. FLSTF 1990 thru 1999. FLSTN 1996 thru 1998. FLSTS 1997 thru 1999. FXDL 1993 thru 1998. FLTR 1998. FXDS-CONV 1996 thru 1998. FXDWG 1993 thru 1999. FXSTC 1990 thru 1999. FXSTS 1990 thru 1999.	**12-261**	29259-91A	HD-1390
FLHRI 1996 thru 1998. FLHTI 1996 thru 1998. FLHTCUI 1995 thru 1998. FLTCUI 1996. FLTRI 1998.	**12-316**	29291-95	HD-1395
Twin Cam 88™ models (carbureted) 1999/2001 All Big Twin (carbureted & injected) 2002/2005.	**12-305**	29461-99	HD-1499
All Big Twin (fuel injected) 1999/2001.	**12-306**	29462-99	HD-8899
Teardrop air cleaners.	**12-131**	29282-89T	E-3225
Twin Cam® Screamin' Eagle replacement filter	**12-384**		HD-0800

SOLD EACH


26-205


26-206

26-200




26-210


26-201


26-208

5-290



5-286




5-288


5-289


5-287


5-308

CUSTOM ROUND OIL TANKS

These custom steel oil tanks can be used on Softail® or rigid applications. They are 6-1/2" diameter and 11-3/4" long. Battery box is built in on all tanks except the universal applications. Available in center fill or side fill, chrome or raw metal. Tanks for wide Softails® have shorter "wings" for swing arm clearance. Use stock Softail® style rear mount. Front mount, filler cap and fittings are included (except Twin Cam® and universal applications).

3.5 QUART OIL TANKS FOR 1984 THRU 1999 SOFTAIL® OR RIGID FRAMES

6-1/2" Diameter, 11-3/4" long.

FLAT	DESCRIPTION
26-204	Side fill, chrome plated.
26-205	Side fill, raw metal.
26-206	Center fill, chrome plated.
26-207	Center fill, raw metal.

SOLD EACH

3.5 QUART OIL TANKS FOR TWIN CAM® SOFTAIL®

6-1/2" Diameter, 11-3/4" long. **NOTE:** Twin Cam® tanks require removal of coil bracket and relocation of coil. Also requires custom oil lines.

26-210 Side fill, chrome plated. SOLD EACH
26-211 Side fill, raw metal.

3.5 QUART OIL TANKS FOR WIDE SOFTAIL® FRAMES

6-1/2" Diameter, 11-3/4" long.

FLAT	DESCRIPTION
26-200	Side fill, chrome plated.
26-201	Side fill, raw metal.
26-202	Center fill, chrome plated.
26-203	Center fill, raw metal.

SOLD EACH

4 QUART OIL TANKS FOR CUSTOM UNIVERSAL USE

5-1/2" Diameter, 11-3/4" long. NO BATTERY TRAY.

26-208 Side fill, chrome plated. SOLD EACH
26-209 Side fill, raw metal.

UNIVERSAL OIL TANK ACCESSORIES

5-286 Drain plug, magnetic.
5-287 Oil tank front rubber mount 5/16-18 stud & 5/16-24 stud.
5-288 Front oil tank mount.
5-289 Front oil tank mount.
5-290 Oil tank mounting kit.
5-308 Front oil tank mount for Ultima® frames & custom mounting applications.

A. *ULTIMA® OIL TANKS FOR SOFTAIL®*

This late style, smooth top (no weld seam), 4 spigot oil tank fits all Softail® models 1984 thru 1999. Replaces stock FXST oil tank. Order mounting bracket separately. Replaces OEM 62498-89A & 62498-91.

26-112	Chrome oil tank, side fill.	SOLD EACH
26-114	Bare metal oil tank, side fill.	
26-127	Chrome oil tank with extended sides, side fill.	
26-220	Chrome oil tank, center fill.	
26-221	Bare metal oil tank, center fill.	



B. *OIL TANK FOR SPORTSTER®*

Chrome plated oil tanks for Sportster® models.

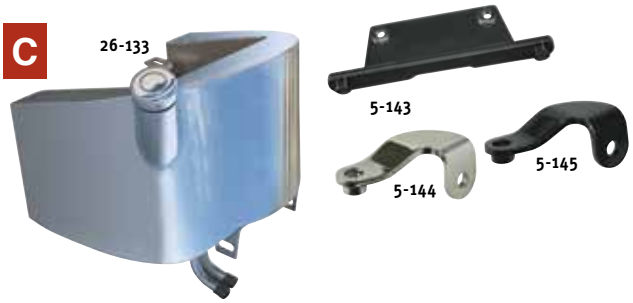
26-128	Fits 1983 thru 1993. OEM 62475-83.	SOLD EACH
26-129	Fits 1994 thru 1996. OEM 62475-94.	
26-170	Fits 1997 thru 2003. OEM 62475-97.	



C. *OIL TANK FOR SOFTAIL®*

This late style 4 spigot oil tank fits all Softail® models 1984 thru 1999. Replaces stock FXST oil tank. Order mounting bracket separately.

26-133	Oil tank with Smooth top (no weld seam). Replaces OEM 62498-89A. & 62498-91. Chrome plated.	SOLD EACH
5-142	Rear mount bracket, chrome plated.	
5-143	Rear mount bracket, black. Replaces OEM 62704-84.	
5-144	Front mount bracket, chrome plated.	
5-145	Front mount bracket, black. Replaces OEM 62707-84.	



D. *CUSTOM WRAP-AROUND & HORSESHOE OIL TANKS FOR 74" SUPER GLIDE®*

Oil tank accepts stock FXE battery. Fits FL, FX, & FXE 1965 thru 1983, but will not fit FXR 1982 & 1983.

26-113	Flat side, 4 qt. wrap-around oil tank. Chrome.	SOLD EACH
26-241	Flat side, 4 qt. wrap-around oil tank. Raw metal.	SOLD EACH
26-119	3.5 qt. horseshoe oil tank.	SOLD EACH



E. *ORIGINAL STYLE OIL TANK FOR SPORTSTER®*

Fits all electric start Sportster® 1958 thru early 1978. Available black or chrome. OEM 62507-67A. Top cap must be ordered separately.

26-95	Chrome plated oil tank.	SOLD EACH
26-98	Black oil tank. **NOTE:** Not intended for chrome plating.	
21-189	Top cap only. Fits 1954 thru 1978. OEM 62610-52A.	



F. *CUSTOM OIL TANKS*

These chrome plated/raw metal oil tanks are made to fit 1984-1999 Softail® type frames. A front "horseshoe" weld-on mount is included for O.E. frames.

26-225	Domed round oil tank. Center fill, 3.5 quart.
26-229	Domed round oil tank. Center fill, 3.5 qt, raw metal.
26-226	Domed round oil tank. Side fill, 3.5 quart.
26-230	Domed round oil tank. Side fill, 3.5 qt., raw metal

FOR SOFTAIL® WIDE FRAMES

26-233	Domed round oil tank. Center fill, 3.5 qt., chrome.
26-237	Domed round oil tank. Center fill, 3.5 qt, raw metal.
26-234	Domed round oil tank. Side fill, 3.5 qt., chrome.
26-238	Domed round oil tank. Side fill, 3.5 qt., raw metal



Domed: 12-1/2" x 6-1/2"

8

A



B



26-110
CHROME
PLATED

C





89-252
CHROME
PLATED



21-189
CHROME
PLATED

D

26-109



21-188



5-122



8

E



COLONY

CADMIUM
PLATED

F



21-123



21-164

G

21-466





21-467

G. *OIL LINE FITTINGS*

Chromed oil line fittings. Brass construction.

21-466 1/4" x 90˚ chromed brass fitting. SOLD EACH
21-467 1/4" x 3/8 barb chromed brass fitting. SOLD EACH

A. *OIL TANK FOR TWIN CAM®*

Side fill chrome horseshoe oil tank for 2000-2007 Softail®. OEM#62498-00.

26-100 Horseshoe side fill oil tank. SOLD EACH

B. *CUSTOM HORSESHOE OIL TANK FOR ELECTRIC START BIG TWIN*

Horseshoe, side fill, 4qt oil tank. Accepts the FXE battery, fits 1958-1964 Rigid & early swingarm frames w/an electric start & steel primary covers, & clears 1979-later 4spd transmissions.

26-118 Horseshoe oil tank. SOLD EACH

C. *OIL TANK, CAP & TRIM FOR FL & FX*

A great reproduction of OEM style FX & FL oil tank.

26-110 Chrome plated oil tank. Fits FL 1965 thru early 1982 and FX 1971 thru early 1982. Internal filter. OEM 62504-65A. SOLD EACH
26-116 Same application as above part No. **26-110** except Black.
21-189 Oil tank cap. Fits FL 1965 thru early 1982, FX 1971 thru early 1982 and Sportster® 1954 thru 1978. OEM 62610-52A.
89-252 H-D® Style chrome trim for oil tank. Fits 1965 & later. OEM 62534-65.

D. *ORIGINAL H-D® STYLE OIL TANK*

These tanks are original OEM reproductions except for 2 important modifications. The first & probably most important was to find a grade of steel much stronger than the original for all brackets. The two places where the holes are mounted have a pressed-in support washer for added strength to prevent splitting, thus eliminating fatigue. The second was to chrome plate these tanks except for part No. **26-109** which is unchromed for painting. Each tank comes with a filler cap & necessary mounting hardware. SOLD EACH

26-107 Fits 1936 thru 1957 rigid frame Big Twin. Side fill.
26-108 Fits 1936 thru 1964 rigid frame Big Twin. Center fill.
26-109 Same as above part No. **26-108** except bare metal (not chrome) for painting.
21-188 Filler cap with dip stick only. For center fill tank. OEM 62625-36.

5-122 Tank support bracket & hardware for FL & FLH, 1958 thru 1964. OEM 62584-58. Chrome plated. SOLD AS KIT

E. *OIL TANK MOUNTING KIT FOR BIG TWIN*

Reproduction fasteners: 4 bolts, 2 nuts, 4 lockwashers and 2-7/16" spacers.

21-161 To mount oil tank on Big Twin 1936 thru 1964. SOLD AS KIT

F. *OIL LINE FITTINGS*

Use to hook up our vinyl oil line to stock or custom oil tanks.

MALE SPIGOT

21-32 1/4" NPT with 5/16" spigot. SOLD EACH
21-123 1/8" NPT with 3/8" spigot.
21-207 1/8" NPT with 1/4" spigot.

MALE PIPE ELBOW

21-304 1/8" NPT with 1/4" spigot. SOLD EACH
21-163 1/8" NPT with 5/16" spigot.
21-164 1/4" NPT with 5/16" spigot.

A. *REINFORCED BLACK RUBBER FUEL & OIL LINE*

79-12 1/4" I.D., sold by the 25' roll. SOLD EACH
79-13 5/16" I.D., sold by the 25' roll.
79-14 3/8" I.D., sold by the 25' roll.

B. *REINFORCED OIL LINE*

Nylon reinforced clear vinyl oil line will withstand high temperatures and pressures up to 750 psi. Will not shrink or harden.

79-11 5/16" I.D. vinyl oil line. SOLD BY 25 FOOT ROLL

C. *VARIOUS RUBBER MOUNTS*

MOUNT & STUD

Rubber mount and stud, with steel side plates, for battery box and oil tank. Can be used for many custom applications.

5-80 1/4 - 20 Threaded studs. OEM 62563-65. SOLD EACH
5-133 5/16 - 18 Female one side with 5/16 - 18 stud on opposite side. OEM 50235-63.
5-287 5/16 - 18 stud on one side with 5/16 - 24 stud on opposite side.

HEAVY DUTY

Heavy duty rubber mounts for oil tanks, battery trays and other applications. The rubber body conceals an internal wound spring that's welded to the end plates.

5-132 1/4 - 20 Threaded stud on both sides. SOLD EACH
Replaces OEM 62563-65.
5-134 5/16 - 18 Female on one side, 5/16 - 18 male on opposite side. Replaces OEM 50235-63.

FRAME CUSHION

5-197 1/4 - 20 Threaded stud for 1984 & later Softail® swing arm. OEM 11451. See chrome billet grommet covers in this section. SOLD EACH

D. *STAINLESS STEEL CLAMP*

This is a screw type clamp.

21-1 For use with all sizes of our fuel and oil line. Fits 7/32" thru 5/8". SOLD EACH

E. *HOSE CRIMP TOOL & CLAMPS*

97-104 Hose band clamp crimp tool. SOLD EACH
66-204 11/32" I.D. For chain oiler. OEM 9992. SOLD EACH
66-205 7/16" I.D. For chain oiler. OEM 9996.
66-206 17/32" I.D. For 1/4" fuel line. OEM 10014.
66-207 19/32" I.D. For oil line. OEM 10084.
66-208 11/16" I.D. For oil line. OEM 10020A.
66-209 13/16" I.D. For oil line. OEM 10086.

BUY CLAMPS AT QTY. 25 OR 50 FOR BEST PRICE

F. *OIL LINE FITTING*

21-170 Adapts 1/8" NPT female to H-D® oil lines. SOLD EACH

G. *STOCK STYLE CHROME OIL TANK PLUGS*

Provides a beautifully die cast cap without all the factory writing on it!

21-62 Plug only. Fits all models with a push in type fill plug. SOLD EACH
21-63 Plug with 2-1/2" dipstick. Fits all Softail® models 1984 & later, and Sportster® 1982 & later.













H. *OIL TANK CAP & DIPSTICK*

Chrome plated oil tank filler plug with dipstick.

21-530 Fits FLT, FLHT, FLHS & Road King®, 1993 thru 2003. Replaces OEM 62640-93 & 62607-93 SOLD EACH
21-531 Fits Dyna® 1991 thru 2003. Replaces OEM 62681-92A & 62685-95A.

A



CHROME PLATED

A. *COMBINATION OIL TANK CAP & DIPSTICK*

Here are two functional decorative items for H-D® oil tanks. These combination filler cap & dipsticks will fit stock H-D® tanks 1936 thru 1964 and all accessory tanks with 1-1/4 - 20 thread.

21-72 Colony. Hex size & shallow crown are similar to a Knucklehead Knuckle Nut. Packaged complete with O-ring. SOLD AS KIT

21-188 Duplicate of OEM 62625-36 with dipstick. Chrome. SOLD EACH

B



DETAIL OF GAUGE FACE

21-90

B. *OIL TEMPERATURE DIP STICKS*

These highly accurate gauges with black face / white numerals quickly respond to oil temperatures up to 350°F and give a continually accurate reading of the motor oil temperature, enabling the rider to tell at a glance if the oil is overheating, and by how much. Made to fit into oil tank in place of present cap. SOLD EACH

21-90 Fits 1965-1991 OEM and custom side fill tanks. Except Dyna®, XL & Softail®. Dipstick length is 5-1/8". OEM 62635-79T & 62666-87T.

21-91 Fits 1982-2003 XL and 1984-1999 Softail®. Dipstick length is 2-5/8". Replaces OEM 62667-87T & 62668-87T.

21-92 Fits Softail® 2000-2012. Replaces OEM 62845-00A.

C



CHROME PLATED

C. *OIL TEMPERATURE DIP STICKS*

Temperature gauge surrounded by very good chrome; quality Japanese manufacture. Fits into oil tank in place of stock cap.

21-305 Fits Big Twin 1970 thru 1984 with square type oil tank, FXR 1984 thru 1994, FLT 1987 thru 1992, Sportster® 1970 thru 1978, and many custom oil tanks. Probe length is 4". Replaces OEM 62635-79T. SOLD EACH

21-306 Fits Softails® 1984 thru 1999 and Sportster® 1982 & later. Probe length is 2-5/8". Replaces OEM 62668-87T.

21-361 Fits Softail® 2000 & later. Replaces OEM 62896-00.

D



25-116

D. *OLD STYLE OIL FILTER ASSEMBLY*

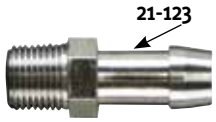
Fits Big Twins 1940 thru 1964. Will also work on any H-D® V-Twins.

25-116 Paper style oil filter element. SOLD EACH

8

E







21-181

E. *"CLOSE CLEARANCE" OIL PUMP FITTING*

For use in close clearance applications where standard 90° elbows won't work. 5/16" Allen on top lets you get good tight fit. Male thread is 1/8" NPT, female 1/8" NPT.

21-440 Fitting 1/8 NPT for close clearance 90°.

21-123 Vent line fitting 1/8 NPT, OEM 63578-52-straight.

21-181 Oil tank fitting 1/8 NPT, for use with 3/8" oil & fuel lines - straight. SOLD EACH

F



F. *MAGNETIC DRAIN PLUG*

Magnetic drain plugs have be proven to add to the life of your engine and transmission by removing metal particles from the oil. Cheap insurance! Cad plated.

41-163 Replaces OEM 734. 1/8 - 27 NPT hex head. Used for various aftermarket oil tank drain plugs and 1987 thru 1989 Big Twin inner primary. SOLD EACH

CUSTOM STAINLESS STEEL BRAIDED OIL LINES

Midwest offers these custom oil lines. **Midwest oil line meets D.O.T. specification FMVSS-106 — approved for street use — 50 state legal.** High performance #6 stainless braided hose gives you the custom look you want with the performance feel you demand. Lines incorporate an inner liner and chrome plated fittings. Top quality hose and fittings are attractively packaged to make these parts fly off the shelf. And a budget price tops off the complete program!



MIDWEST Motorcycle Supply

ALL PARTS SOLD AS KIT

PRE-ASSEMBLED OIL LINES

71-181	8" length.	**71-189**	16" length.
71-182	9" length.	**71-190**	17" length.
71-183	10" length.	**71-191**	18" length.
71-184	11" length.	**71-192**	20" length.
71-185	12" length.	**71-193**	22" length.
71-186	13" length.	**71-194**	24" length.
71-187	14" length.	**71-195**	26" length.
71-188	15" length.		

SOLD EACH

OIL LINE KITS

71-202 All Sportster XL ® 1991 thru 1993. Kit contains 4 lines.
SOLD AS KIT

O-RINGS

95-866 Replacement O-ring for Midwest custom oil lines & oil line kits — SOLD EACH

A. *BRAIDED STAINLESS STEEL OIL LINES*

Flexible, heat resistant & trouble free. These sturdy aircraft quality braided steel oil lines are good looking and practical. The rust-proof, high luster finish blends right in with the chrome while the braided surface adds a distinctive look of its own. They are long lasting and solve the problem of cracked oil lines due to road vibration.

74" TANK TO ENGINE

71-126	For 1936 thru 1967. **NOTE 1.**	SOLD AS SET
71-128	For 1968 & later. **NOTE 2 & 3.**	
71-129	For 1968 & later. **NOTE 2.**	
71-131	For 1968 & later. **NOTE 1.**	

ROCKER OILERS

71-124	For 74" 1966 thru 1999.	SOLD AS SET
71-125	For Sportster®, all years.	

NOTE 1: Stock replacement. Stock oil tank or custom oil tank with all fittings in stock location, stock engine fittings.
NOTE 2: Modified tank. Original 74" wrap-around tank or custom wrap-around with protruding nipples.
NOTE 3: Modified inner primary. No primary vent (open primary; belt drive); steel inner.

B. *ROCKER COVER OIL LINES FOR SPORTSTER® & SHOVEL*

Perfect replacement rocker box oil lines for Sportster® & Shovels. Includes complete fittings and seals.

71-138	For Sportster® 1957 & later. OEM 17324-57.	SOLD AS SET
71-137	For Shovel 1966 & later. OEM 62783-66A and 62785-66A.	SOLD AS SET
95-127	Oil line sleeve for Shovel &Sportster® rocker oiler. OEM 63529-57.	SOLD EACH

A



71-128



71-126



71-129

8



71-124



71-125

B



71-137



71-138

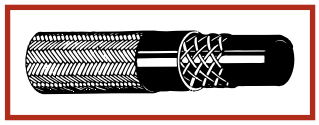
CHROME PLATED



95-127













A. *UNIVERSAL PRO SYSTEM OIL LINES*

These pre-assembled oil lines are sold individually, perfect for custom bike applications. Constructed with stainless braided hose and crimped-on chrome ends. The unique feature of these hose ends is the Compression Fit™ sealing system which ensures a positive seal. These lines are compatible with standard 3/8" oil pump and oil tank fittings.

		SOLD EACH	
71-165	12" Length.	**71-175**	26" Length.
71-166	13" Length.	**71-206**	30" Length.
71-167	14" Length.		
71-170	17" Length.		

B. *OIL PRESSURE GAUGE LINE KITS*

Designed to replace the plastic hose from the oil pressure gauge to the motor. SOLD EACH

71-215 1993-up Sportster®.
71-216 1999-up Dyna®, 2000-up Softail®, 1999-up FLHT/FLHR.

C. *TWIN CAM® VENT HOSES*

Designed to replace that unsightly stock rubber hose from the motor to the transmission. This kit includes all necessary fittings. SOLD EACH

71-211 2002-2006 FLHR/FLT/FLH.

D. *STAINLESS STEEL BRAIDED HOSE*

This stainless steel braided hose is of the same premium quality hose used by many top racing teams. Quality hose is demanded because of its unique combination of professional appearance, extreme flexibility and unexcelled reliability under the most stringent racing conditions.

71-139 7/32" I.D. x 7/16" O.D. #4 gas line. SOLD PER FT
71-140 11/32" I.D. x 17/32" O.D. #6 gas or oil line.

E. *STAINLESS STEEL BRAIDED HOSE*

Economical alternative stainless steel braided hose.

GAS LINE — 1/4" I.D. X 1/2" O.D.

71-141 6' Roll. SOLD AS ROLL
71-142 10' Roll.
71-143 20' Roll.

GAS/OIL LINE — 3/8" I.D. X 5/8" O.D.

71-144 6' Roll. SOLD AS ROLL
71-145 10' Roll.
71-146 20' Roll.

F. *OIL DRAIN VALVE*

Oil drain valve designed to eliminate spillage when changing oil. Installed in oil tank in place of drain plug with 5/8 - 18 threads, a rubber hose is pushed over the spigot to route waste oil to a container, avoiding the usual mess. Retighten spigot, pull off hose, refill with oil and you're ready to go. No clean-up or fishing for the drain plug in the bottom of the drain pan. Made of machined aluminum.

21-239 Oil drain valve, 5/8 - 18. SOLD EACH

G. *OIL LINE FITTINGS*

Duplicate of original oil pump fittings on 74" 1936 thru 1964. Can be used with many custom oil tanks (with 1/8" N.P.T. female threads) to convert to male nipples so stainless braided lines can be used.

21-111 Fits Pan & Knuckle 1936 thru 1964. SOLD AS SET

H. *FUEL/OIL LINE SEPARATOR*

Chrome plated die cast separator for routing gas lines, oil lines and 3/8" or 5/16" I.D. stainless steel braided lines.

21-265 Separator. SOLD EACH

A. *HOSE ENDS FOR STAINLESS STEEL BRAIDED HOSE*

Chrome plated custom hose ends. Can be used on all types of gas and oil lines including stainless steel braided hose.

GROOVED PART NO.	HEX PART NO.	TO FIT I.D. HOSE SIZE
21-315	**21-263**	1/4"
21-316	**21-264**	3/8" & 5/16"

SOLD AS PACKAGE OF SIX

A



GROOVED



HEX

B. *HOSE ENDS & NIPPLES FOR STAINLESS STEEL BRAIDED HOSE*

This is an economical, functional & durable hose end system for use with our part No. **71-140** stainless steel braided hose. Easily assembled, these ends & nipples have many applications where safe, reliable, professional appearing plumbing is needed for street & show.

21-147 Straight end. 9/16 - 18 Female thread. **SOLD EACH**
21-148 90 ° Elbow. 9/16 - 18 Female thread
21-149 180° Elbow. 9/16 - 18 Female thread.

B



21-147
BLUE



21-148
BLUE



21-149
BLUE

C. *SPECIAL ADAPTER FITTINGS FOR STAINLESS STEEL BRAIDED HOSE ENDS*

Nipple — pipe thread.
21-150 1/4" NPT — to 9/16 - 18 fittings. **SOLD EACH**

Elbow tube - pipe thread.
21-152 1/4" NPT — to 9/16 - 18 fittings. **SOLD EACH**

Elbow 45° tube - pipe thread.
21-154 1/4" NPT — to 9/16 - 18 fittings. **SOLD EACH**

C



21-150
BLUE



21-152
BLUE



21-154
BLUE

8

D. *HOSE ENDS FOR STAINLESS STEEL BRAIDED HOSE*

Hose ends dress up a stainless steel braided hose installation and cover a greater length of hose than standard clamps, providing greater support. If the hose end is used with an uncovered rubber hose, the support provided tends to reduce the amount of vibration wear usually found at the edges of the worm gear clamp, resulting in a longer lasting connection. The interior grooving of the hose end prevents the hose from "hanging up" on the clamp and assures proper placement of the worm gear type clamp in the hose end. Available in red or chrome.

RED PART NO.	CHROME PART NO.	TO FIT ABOVE HOSE PART NO.
21-145	**21-173**	**71-139** Gas line.
21-146	**21-174**	**71-140** Gas/oil line.

SOLD EACH

D





A. *RENEGADE -BLACK- STAINLESS STEEL OIL LINE FITTINGS FOR H-D®*

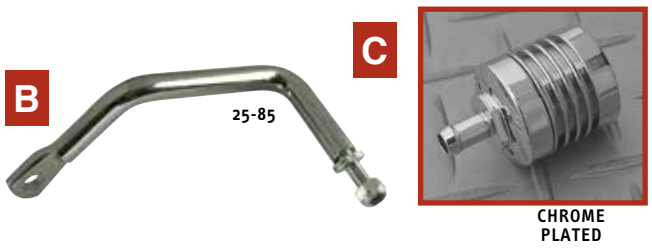
The all-new Renegade oil line components offer a classic look combined with the latest technology. Working on a retro build or a late model custom? If so, the Russell Renegade line has you covered. Utilizing their exclusive Twilight Black finish, Renegade offers that traditional black hose appearance coupled with the technology of their Powerflex hose for superior performance.

ADAPTER FITTINGS

21-533	#6 45˚ swivel hose ends.
21-534	#6 90˚ swivel hose ends.
21-535	#6 Male flare to 1/8" male NPT 45˚.
21-538	#6 Male flare to 1/4" male NPT 90˚.
21-540	#6 Male flare to 1/4" male NPT 45˚.
21-542	1/8" Male NPT to 3/8" straight barb.
21-544	Pro system oil line to -6 hose fitting.

BULK BLACK CLOTH HOSE

49-127 20 feet, -6 Pro System black cloth hose.



B. *OIL FILTER MOUNTING BRACKETS*

SOLD EACH

25-85 For FL & FX swingarm, 1965 thru 1985.

C. *CHROME BILLET GEAR BOX BREATHER*

Our new gearbox breather is fully machined from billet aluminum and then show chrome plated. Simple — just install to your existing gear-box overflow vent hose. Sponge inside holds excess oil and keeps it away from the rear wheel & tire.

25-107 Golan Products billet gearbox breather. SOLD EACH



D. *MICROGLASS OIL FILTERS* NEW!

These microglass spin-on oil filters are a breakthrough in technology. The new synthethic media stops particles dead in their tracks! Fits all 99'-present Twin Cam® and EVO 1340 models as an upgrade for any motorcycle that requires OEM# 69796-77A, 63805-80A, 63812-90 & 63813-90

★25-68	Microglass, spin-on oil filter. Chrome, w/nut. SOLD EACH
★25-69	Microglass, spin-on oil filter. Chrome, plain. SOLD EACH



E. *FRAM EXTRA GUARD OIL FILTERS*

Cellulose and Synthetic glass media provides 3X MORE engine protection than the average of leading economy oil filters.

25-128	Fits all 1994-2010 XL models. Black. SOLD EACH
25-129	Fits all 1994-2010 XL models. Chrome. SOLD EACH

F. *FRAM OIL FILTER ELEMENT FOR YAMAHA*

FRAM Motorcycle filter media helps keep the engine running clean while maintaining optimal flow levels. High-quality materials and construction help keep your bike running optimally.

25-162 Oil filter element. Fram# CH6004. SOLD EACH

A. *ULTIMA® SPIN-ON FILTERS*

DESCRIPTION / APPLICATION	MAGNETIC CHROME PART NO.	CHROME STANDARD PART NO.	BLACK STANDARD PART NO.
Standard oil filters are available in Chrome or Black finish. The high performance Magnetic filters have a magnetic ring tower that removes smaller metal particles that otherwise might travel through the filter and back into your engine. Chrome plated finish.			
5/8-16 UNF. Replaces OEM 63782-80 & 63810-80. Sportster® 1980 thru early 1984. FL & FX 4 speed late 1982 thru 1986 (except Softail®).	**25-142**	**25-60**	**25-122**
3/4-16 UNF. Replaces OEM 63796-77 & 63805-80. Sportster® late 1984 & later. Softail® 1984 & later.	**25-143**	**25-78**	**25-123**
Extra long 5.5" filter. 3/4-16 UNF. Replaces OEM 63813-90 & 63812-90. Sportster® late 1984 & later. All Big Twin models 1982 thru 1998. Dyna Glide® 1991 thru 1998.	**25-144**	**25-79**	**25-132**
Fits V-Rod 2002 & later. Replaces OEM 63793-01K.	—	—	**25-90**

—MICROGLASS—

Our new style filters utilize a micro-pore type media that removes 99% of contaminates over 10 micron in size. These filters can also be used on earlier V2 models or Shovels using OEM 63796-77A or 63805-80A already. 3-3/8" Long. — **25-66** SOLD EACH

A



25-60



25-122



25-123



25-78



25-132

B. *ULTIMA® REPLACEMENT OIL FILTER ELEMENTS* *BIG TWIN, K MODEL & SPORTSTER®*

NOTE: Filter OEM 63840-48 was installed as original equipment by the H-D® factory on all models listed from 1948 thru 1953. It was offered in retrofit kit form for the earlier applications listed. SOLD EACH

25-77 Paper type K Model/Sportster® 1952 thru 1979. Big Twin 1953 thru 1983.

B



C. *ULTIMA® REUSABLE BILLET LIFETIME OIL FILTERS* NEW!

Reuable billet lifetime oil filters. THE LAST OIL FILTER YOU WILL EVER BUY FOR YOUR BIKE!!! High Performance Stainless Steel Micron Oil Filter with Billet Housing.
The cleanable unit will filter smaller particles than paper filters.
This filter also pre-cleans the oil by grabbing metal particles with 3 high powerful magnets, and then it filters the oil by utilizing a fine stainless steel woven mesh element to catch particles as small as 25 microns.
Using this filter increases engine horsepower by 2% to 3% by allowing oil to flow more freely which reduces oil levels in the engines sump thereby reducing oil/flywheel obstruction.
The filter also has a pressure by-pass valve to prevent high oil pressure conditions caused by extremely cold weather and really dirty oil.
This Filter lasts a life time, and cools the motor oil as it works by the outside air flowing passed the finned filter. Fitment is as follows;
ALL HD BIG TWIN EVO's
ALL TWIN CAM's 1999 TO PRESENT
ALL SPORTSTER MODELS LATE 84' AND LATER

C



★25-80 Reusable, lifetime oil filter, black. SOLD EACH
★25-81 Reusable, lifetime oil filter, chrome. SOLD EACH

D. *OIL FILTER FOR SUZUKI & ARCTIC CAT MODELS*

Chrome filters constructed with high quality paper, metal and rubber. Top-grade filters are bonded with heavy duty epoxy glue so they will not come apart like other brands

25-159 Chrome oil filter, Emgo# 10-556770. SOLD EACH
25-160 Oil filter element, Emgo# 10-79100. SOLD EACH

D



8

A



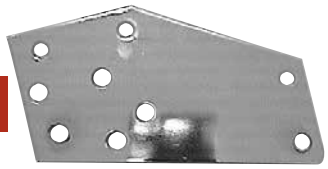
A. STOCK REPLACEMENT DISPOSABLE OIL FILTER

Fast & easy replacement. Even easier than a spin-on filter. Simply remove old filter, drop in the new filter, replace the cap and the job is done. no messy canisters to wash or parts to assemble.
These oil filters contain their own built-in relief valve system.

25-86 Fits all 74" & 80" models 1965 & later, except FLT & FXR. Also fits XL models 1954-1978. SOLD EACH

NOTE: The use of canister cap dip sticks used on 1970 & earlier FLH and XL models is not possible with this filter. We recommend removing the dip stick and checking the oil level visually with the filter removed.

B



25-121
CHROME PLATED

B. MOUNTING BRACKET FOR PERF-FORM FILTER CANISTER & OIL COOLER

Mounting bracket for part No. **25-120**. Chrome plated steel. Mounts filter canister horizontally over the regulator in front of the engine. Bolts to the left front kickstand footpeg frame bracket.

25-121 Mount bracket. Fits H-D® 4 speed models 1970 & later. SOLD EACH

C



Superior oil filtration. Hex nut for easy installation. Ready drilled for safety wiring. Extra engine protection. Meets or exceeds OE flow rates. Designed for today's synthetic oils.
SOLD EACH

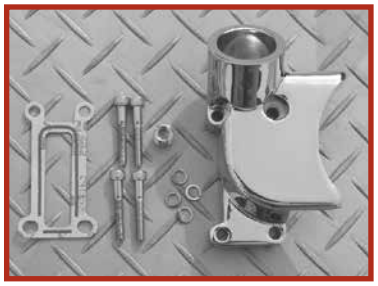


C. K&N OIL FILTERS

MODEL / YEAR	PART NO.	OEM NO.	K&N NO.
Short filter. Sportster® 1980 thru early 1984. FL 1982 thru 1984. FXE 1982 thru 1984. FXEF 1985. FXWG 1983 thru 1986.	**25-145**	63782-80 & 63810-80A	KN-172C
Long filter. **TWIN CAM®** Softail® 1999-later. Dyna® 1999-later. FLT 1999-later. FLH 1999-later.	**25-146**	63731-99 63798-99	KN-171C
Short filter. **EVO** Sportster® Late 1984 thru 2001. FXR 1982 thru 1994. Softail® 1984-1999. FLT 1980 thru 1999. FLH 1980 thru 1999.	**25-151**	63805-80A 63805-80T 63806-83 63796-77	KN-170C
Extra long filter. Dyna® 1991 thru 1998.	**25-147**	63813-90	KN-173C
V-Rod.	**25-152**	63793-01K	KN-174C

8

D



CHROME PLATED

D. OIL TANK FILLER SPOUT FOR ROAD KING® & FLH

89-11 Fits 1993 & later Road King®, FLHT & FLTR. Replaces OEM 62470-02.
NOTE: Can not be used with digital oil temp dipstick on 1993 thru 1998 models. SOLD EACH

89-14 15/16" spacer for FLT oil spout/filler. Spaces filler spout out farther to clear a larger starter. Gaskets and hardware not included. SOLD EACH

E



E. OIL FILTER MOUNTING KIT FOR USE WITH RUBBER HOSE

Oil filter kit with OEM type filter mount. Designed for use with rubber hose in place of metal tube and fittings. Push-on fittings and filter included.

25-2 Oil filter kit with fittings for push-on rubber hose. SOLD AS KIT

A. *REMOTE OIL FILTER MOUNT*

25-110 Remote oil filter mount; 3/4"-16 filter threads, 1/2" NPT ports. Filter landing fits o-ring sizes between 2-1/2" and 2-1/4". Recommended filters: MW#25-78 (chrome), 25-123 (black) or 25-146 (K&N). Fram#PH8A also works. SOLD AS KIT



B. *OIL FILTER MOUNT*

Oil filter mount, includes fittings. Fits 92'-99' Big Twins, OE#26381-92A.

25-4 Oil Filter mount. SOLD EACH



C *OIL FILTER / REGULATOR MOUNT KIT*

Chrome plated billet aluminum mount designed to locate both the oil filter and regulator off the front lower motor mount. Includes oil filter, fittings, and mounting hardware. Use replacement filter part No. **25-60**.

25-150 For Big Twin 1975 & later. SOLD AS KIT



D. *ULTIMA® MINI OIL COOLER KITS*

Ultima® mini oil cooler kits come with the cooler, two 16" hoses, four clamps & four zip ties. Mini coolers measure 5" tall X 2" wide X 1" thick. Offered in black or chrome w/a heavy duty mounting tab for easy universal installation. MADE IN THE U.S.A.

73-33 Mini oil cooler kit, black. SOLD AS KIT
73-34 Mini oil cooler kit, chrome.



E. *CNC BILLET OIL COOLER KIT*

Oil cooler w/oil pressure guage. Made from billet aluminum and fits the following frame sizes: 1" dia., 1-1/8" dia., 1-1/4" dia., 1-1/2" dia.

73-59 Oil cooler kit w/oil pressure guage. SOLD AS KIT



F. *HEAVY DUTY OIL COOLER*

Universal frame follower oil cooler for Big Twins, heavy duty.

73-52 Heavy duty oil cooler. SOLD AS KIT
73-51 Heavy duty oil cooler, slim design.





G. *FLT OIL SPOUT SPACER*

89-14 15/16" spacer for FLT oil spout/filler. Spaces filler spout out farther to clear a larger starter. Gaskets and hardware not included. SOLD EACH
77-884 93'-99 FLT Oil Filler Spout Gasket, OEM 62432-93. SOLD EACH


89-14


77-884

TOP 4-1/8" WIDE



COOLING TUBE
1-1/8" WIDE
10-1/2" LONG

SHOWN WITH OPTIONAL
STANDOFF CLAMPS

FINNED CHROME PLATED BILLET OIL COOLERS

A

TOP 3-3/4" WIDE



COOLING TUBE
1-1/8" WIDE
9" LONG



73-50 MOUNT BRACKET
FLIPS FOR TWO WAY
MOUNTING

8

A. *"DUAL COOL" & "DUAL COOL II"*

Same high quality as original Dual Cool only this one follows the front legs on most Big Twins. Mounts on highway bar cross bracket with vibration-resistant spacer. The Dual Cool II is longer, 24.5% more cooling fins than the original without sacrificing style. Available separately are two different sizes (for frames with 1-1/8" or 1-1/4" tubing) chrome plated aluminum standoff clamps for the bottom of the cooler tubes. **NOTE:** As with any oil cooler installation, you must check front fender clearance.

73-55 "Dual Cool II" chrome billet oil cooler. SOLD EACH
73-56 1-1/8" x 1-1/8" Chrome plated aluminum standoff clamp. SOLD AS PAIR
73-57 1-1/4" x 1-1/8" Chrome plated aluminum standoff clamp.
73-58 1-3/8" x 1-1/8" Chrome plated aluminum standoff clamp. SOLD AS PAIR

Slim design for a custom look. Fits on most H-D® models. Mounts with single bolt on highway bar cross bracket between down tubes. Oil cooler mount bracket detaches and flips up for two way mounting. Mounting hole: 3/8". **NOTE:** As with any oil cooler installation, you must check front fender clearance.

73-50 "Dual Cool" chrome billet oil cooler. SOLD EACH

B. *VDO OIL PRESSURE GAUGES*

VDO High quality mechanical oil pressure gauges are the best. 60 PSI face with a choice of white or black background.

57-210 White face with chrome bezel. SOLD EACH

C. *ACCEL LIQUID FILLED PRESSURE GAUGES*

Accel's 1/8 NPT rear mount liquid filled oil pressure gauges are premium quality all the way. Available in 0 - 100 or 0 - 60 PSI. Proudly displaying the Thunder Twin graphics in four color reproduction, the 1-1/2" dial face is also filed with a vibration-dampening glycerin. The housing is stainless steel, and the internals are solid brass. The pure glass lens will not melt, distort or fade. All this plus traditional Accel quality team up to provide you with high performance gauges.

57-2 60 PSI oil gauge. SOLD EACH
57-3 100 PSI oil gauge.

D. *OIL PRESSURE GAUGES*

Oil pressure gauges, "engine turned" faces, available in 60PSI & 100PSI. Liquid filled.

57-4 60PSI oil pressure gauge. SOLD EACH
57-11 100PSI oil pressure gauge.

B



C



STAINLESS
STEEL
HOUSING

D



57-4 57-11

A. *CHROME OIL PRESSURE GAUGE BRACKET*

Oil pressure gauge bracket fits Big Twin Evolution® 1984 & later.

21-321 Chrome plated mount. SOLD EACH

B. *OIL GAUGE MOUNTING KIT FOR EVOLUTION® BIG TWIN*

This kit brings the oil gauge into view by mounting a line to the rocker box. Complete with chrome plated adapters. Use with gauge part No. **57-87** or **57-102**.

21-211 Fits all Big Twin 1984 & later. SOLD AS KIT

C. *OIL PRESSURE GAUGES & FITTINGS*

High quality liquid filled oil pressure gauges with 1/8" NPT male fitting on back. Can be used on any motorcycle when proper fittings are used. See below for fittings offered.

57-87 60 PSI oil pressure gauge. SOLD EACH
57-102 100 PSI oil pressure gauge.

Oil gauge fitting to fit H-D® 74" & 80" motors 1970 & later except motors with crossover pipes. Additional are fittings required. Kit comes with motor base fitting, O-ring and 45° fitting with 1/8 pipe female end.

21-180 Complete kit. SOLD AS KIT
21-182 Base only. SOLD EACH
21-183 45° Fitting only. SOLD EACH

Straight 1/8 pipe. Male x female adapter. Chrome plated brass.

21-184 SOLD EACH

1/8 Pipe, 90° street elbow. Male x female. Chrome plated brass.

21-185 SOLD EACH

1/8 Pipe, 90° female elbow. Brass.

21-186 SOLD EACH

Pipe 1/8" x 1-1/2" long, 1/8 pipe threads on both ends.

21-190 Chrome pipe. SOLD EACH

Pipe 1/8" x 3" long, 1/8 pipe threads on both ends.

21-191 Chrome pipe. SOLD EACH

NOTE: For Sportster® oil gauge mounting use part No. **21-185** and **21-186** fittings and part No. **21-190** or **21-191** pipe depending on length needed to extend gauge.

D. *OIL GAUGE ADAPTER PLUG*

Replace the oil screen plug with this adapter and you now have an alternate location to mount an oil pressure gauge. Especially useful on alternator case shovelheads.

21-108 Oil gauge fitting SOLD EACH

E. *OIL GAUGE & SWITCH FITTINGS FOR EVOLUTION®*

One fitting lets you mount an oil gauge with the proper viewing angle in place of the stock electric switch. The other fitting is the same except you can run the gauge and retain the electric switch. (This way you can monitor oil pressure and still keep the warning light.) Use our part No. **57-87** 60 PSI or **57-102** 100 PSI oil gauges found on page 8-8/51.

21-237 Fitting for oil gauge only. SOLD EACH
21-238 Fitting for oil gauge when used with the electric switch (not shown).



8

IGNITION



IGNITION PARTS & ACCESSORIES INCLUDING MAGNETOS, COILS, CONTACT POINTS, CONDENSERS, TUNE UP KITS, DISTRIBUTORS, & SPARK PLUGS.

ULTIMA® SINGLE FIRE PROGRAMMABLE IGNITION KIT



53-660



53-646

PROGRAMMABLE FEATURES (PC)

- 8 Point fully definable wide open throttle curve.
- 8 Point fully definable part throttle curve.
- Rev limit programmable in 50 rpm steps.
- Programmable dead cranking revs 0 - 10.
- Programmable rear cylinder offset, total of +/- 10°.
- Programmable rev limiter.
- Separate programmable break-in rev limiter.

DATA RECORDING FEATURES

- Total engine hours.
- Time at wide open throttle.
- Number of engine starts (two minutes running time counts as one start).
- Longest time operating at wide open throttle.
- Maximum rpm.
- Seconds near rev limit.
- Statistical analysis of time at rpm.

Ultima® products offers the finest USA made electronic ignition system, packaged with the finest coil, at a very competitive price. These systems feature an industry standard electronic module with programmed curves suitable for all engines up to our monster 140 C.I. Other features: Intelligent overvoltage / overcurrent protection. Adjustable retard timing. Short circuit protection. Ignition kit includes single fire coil that puts out over 45,000 volts with fast rise times and high energy.

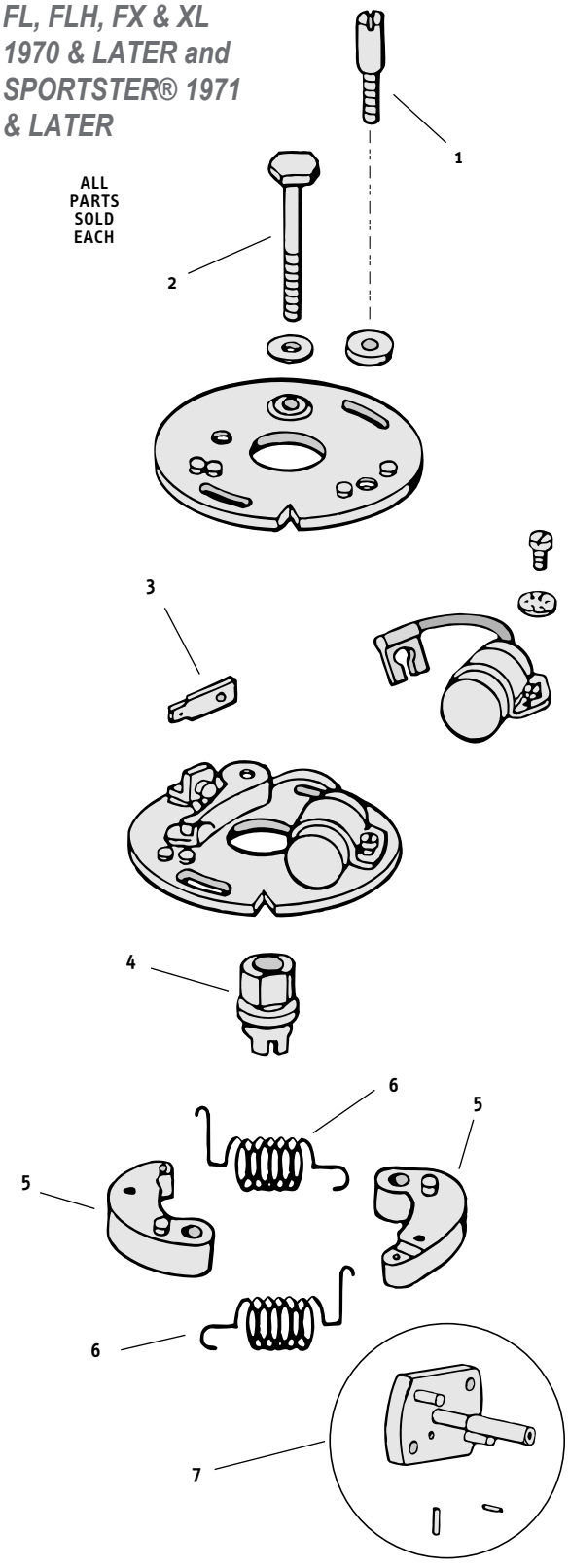
NOTE: Programmable features and data recovery features require programming software kit sold below.

*Instructions included and available online @ www.ultimaproducts.com.

53-660	Complete Ultima® programmable ignition kit	SOLD AS KIT
53-644	Ultima® programmable ignition module only.	SOLD EACH
53-646	Programming software and PC link (serial port) for above ignitions. Ignition module adapter included	SOLD EACH
53-642	Programming Kit (USB port) for DFA & 2000i Apps for above ignitions. Programming link for ignition module sold seperately.	SOLD EACH
53-662	Programming link for ignition module.	SOLD EACH

ADVANCE UNIT ASSEMBLY & PARTS

FL, FLH, FX & XL 1970 & LATER and SPORTSTER® 1971 & LATER



1	**91-352**	TIMER PLATE SCREW (OEM 32601-78) USE TWO
2	**53-211**	TIMER SCREW (OEM 3570)
3	**53-207**	CIRCUIT BREAKER TERMINAL ADAPTER (OEM 32670-70)
4	**53-246**	POINT CAM (OEM 32542-70A)
5	**53-209**	BREAKER ASSEMBLY WEIGHT (OEM 32522-70) USE TWO
6	**53-208**	BREAKER WEIGHT SPRING (OEM 32605-70) USE TWO
7	**53-210**	SHAFT & PLATE WITH PINS (OEM 32629-70)

A



53-49



53-50

A. *ELECTRONIC IGNITIONS*

Fits Big Twin 1970 thru 1999 Evolution® and Sportster® 1971 thru 1995, when using mechanical advance unit part No. **53-245** or **53-244.** **SOLD EACH** **Instructions available at www.ultimaproducts.com**

53-49 Dual fire ignition: same as stock,fires both plugs simultaneously. Use our part No. **53-452** coil or equivalent.

53-50 Single fire ignition: fires each cylinder individually — no power waste.

B



53-638



53-640

B. *BLUE STREAK IGNITION SENSOR PICKUP ASSEMBLIES*

PART NO.	OEM NO.	YEAR	MODEL
53-638	32400-80A	1980/1983	FLT.
(Shown)		1980/1994	FXR.
		1984/1995	FXST.
		1980/1994	XL.
53-639	32404-90	1991/1995	Dyna®.
53-640	32400-94	1994 & 1995	FLT.
		1995/1997	XL.
		1998/2001	XL 1200S.

SOLD AS KIT

A



53-389



53-390



53-404

A. *DYNA S ELECTRONIC IGNITIONS*

These ignitions improve overall performance and provide perfect ignition timing once and for all. You only have to set it once, when it is installed. Dyna ignitions have been used by top drag and road racers to set new records and win numerous championships over the past decade. The Dyna S is a complete self-contained electronic ignition system built with the latest engineering design. This unit is completely housed behind the ignition cover and uses a magnetic rotor with the original spark advancer, so the factory advance curve is maintained. The Dyna S, available in single or dual fire versions, is factory warranted for three years.

Fits Big Twin 1970 and later and Sportster® 1971 & later with mechanical advance unit.

NOTE: Please purchase part No. **53-404** tach adapter to retain tachometer when using single fire ignition system.

53-389	Dual fire ignition system.	**SOLD EACH**
53-390	Single fire ignition system	
53-404	Tach adapter.	

B. *DYNA 2000 DIGITAL IGNITION SYSTEM*

The Dyna 2000 digital ignition system for H-D®, which has become the standard for performance and versatility in the H-D® aftermarket, has been enhanced to include even more features. there are two new modules available, the DD2000-HD1E, which operates in single fire or dual fire modes and the DD2000-HD2E, which operates in dual fire only. these new modules include expanded advance curve functionality with the option to use vacuum advance compensation via a VOES switch. The new modules also include a special Retard Mode for use with turbocharged and nitrous bikes. **NOTE:** Programmable features and data recovery features require programming kit sold below

The Dyna 2000 allows selection between four different advance curves. The new modules offer a quick curve which simulates a mechanical advancer for hot rod motors. There are also four independent rev limiter settings from 6000 to 7500 rpm. The new retard mode allows selection of ignition retard of 5, 7, or 10 degrees upon activation of retard input.

Dyna 2000 ignition modules use the stock factory pick-up and simply plug into the existing factory wiring harness on 1991 & later bikes. An extension harness is available for installing the Dyna 2000 on 1990 & earlier bikes. The modules should be used with coils in the range of 2.5 to 3 ohms primary resistance and should run with carbon core type supression spark plug wires. The Dynatek DD2000 digital systems can be used with your stock coil, but Dynatek recommends Dyna® ignition coils with matching ignition wires for better results and maximum performance.

53-399	Ignition system, single / dual fire, 7 pin.	**SOLD EACH**
53-419	Ignition system, single / dual fire, 8 pin.	
53-400	Ignition system, dual fire, 7 pin.	
53-420	Ignition system, dual fire, 8 pin.	
53-402	7-To-8 pin adapter.	
53-401	Extension harness.	

These Dyna® Programming kits must be used to access programmable features and data recovery on the above ignition systems.

53-658 Programming kit for above part No. **53-399, 53-400.**

SOLD EACH

53-659 Programming kit for above part No. **53-419, 53-520.**

9

B



53-399



53-401

A. *DYNA 3000 DIGITAL IGNITION FOR VT1100C SPIRIT '97-UP*



FEATURES

- Eight selectable advance curves
- Selectable rev limits (increase rev limits over stock)
  Status LED: indicates power-up, pickups, TPS (throttle position sensor) operation and MAP sensor operation (applicable models only)
- Easier starting
- Plug-and-ride, 5-minute installation (on most models)
- Uses all factory sensors
- Mounts directly to factory location
- Uses factory coils or Dyna coils
- Reverse battery protection
- Retard mode for nitrous or blower applications

53-701 Ignition system for VT1100C Spirit **SOLD EACH**

B. *DYNA 2KiP IGNITION FOR H-D®*



53-520



53-598

The dual featured D2KiP has all the selectable features of its predecessor, the D2Ki. Other features: Intelligent overvoltage / overcurrent protection. Adjustable retard timing. Short circuit protection. **NOTE:** Programmable features and data recovery features require programming kit sold below.





53-521

PROGRAMMABLE FEATURES (PC)

- 8 Point fully definable wide open throttle curve.
- 8 Point fully definable part throttle curve.
- Rev limit programmable in 50 rpm steps.
- Programmable dead cranking revs 0 - 10.
- Programmable rear cylinder offset, total of +/- 10°.
- Programmable rev limiter.
- Separate programmable break-in rev limiter.

DATA RECORDING FEATURES

- Total engine hours.
- Time at wide open throttle.
- Number of engine starts (two minutes running time counts as one start).
- Longest time operating at wide open throttle.
- Maximum rpm.
- Seconds near rev limit.
- Statistical analysis of time at rpm.



53-597



53-691

53-520 1970 Thru 1998 carbureted models, module only. **SOLD EACH**
53-521 1970 Thru 1998 carbureted models, single plug, single fire kit of module and pair of part No. **53-394** coils. **SOLD AS KIT**
53-522 1970 Thru 1998 carbureted models, dual plug, single fire kit of module and pair of part No. **53-392** coils. **SOLD AS KIT**
53-598 1970 Thru 1998 carbureted models, single plug, single fire kit of module and part No. **53-591** (miniature) coil. **SOLD AS KIT**
53-646 PC Link for above 2KiP ignitions. **SOLD EACH**
53-642 USB Programming Kit DFA & 2000i Apps for above ignitions.

C. *DYNA PROGRAMMABLE DIGITAL IGNITION SYSTEM FOR TWIN CAM 88™*

These Dyna ignitions are Single Fire, fully programmed performance ignitions with 16 programmable advance curves and 8 Rev. Limiter settings. All functions feature full digital accuracy and full J1850 compatibility with all stock devices. Coil compatibility from stock to performance (less than 1 ohm resistance). Coil current constantly monitored to provide constant full spark energy. Utilizes all stock sensors, stock OE connectors and the stock OE mounting. Reverse battery and spike protection are also built in and these ignitions feature a 1 year warranty.

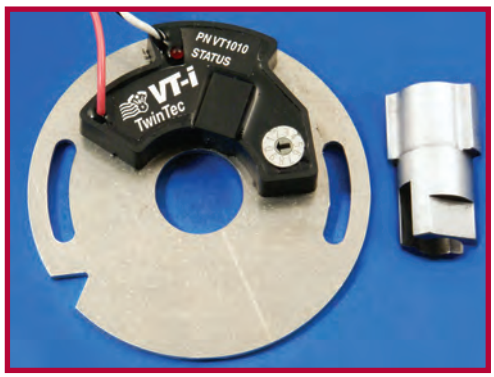
53-597 For 1999-2003 Twin Cam 88™ carb models. **SOLD EACH**
53-690 Fits 2004-2006 Twin Cam® carb models.
53-691 Fits 2004-2005 XL carb models.

A

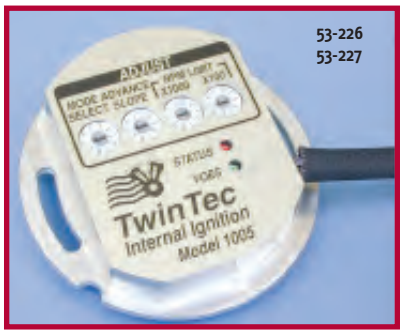




B



C





A. *DAYTONA TWIN TEC IGNITION FOR 1999-LATER CARRBURETED TWIN CAMS®*

Features
- Two 12 pin connector
- Five rotary switches to set operating modes, timing, advance and RPM limit
- Communicates basic diagnostic information by blinking codes on the check engine LED

NOT LEGAL FOR SALE OR USE in the State of California

53-234 Plug-in ignition for 99'-03' carbureted Twin Cam®. SOLD EACH

53-233 Twin Cam® ignition kit, includes TC88 ignition (**53-234**), Twin Cam® coil and universal wire set SOLD AS KIT

B. *DAYTONA TWIN TEC VT-I ELECTRONIC IGNITION SYSTEM*

Features:
- Ultra reliable dual fire electronic ignition system For all Harley Davidson® V-twin engines except early magneto type and 1999 & later Twin-Cam®.
- Includes special trigger rotor for use with traditional mechanical advance mechanism (supplied by customer)
- Precise digitally set RPM limiter (200 RPM steps from 5,200 to 7,000 RPM)
- Operates down to below 6 volts for reliable starting under all conditions, including kick start.

NOT LEGAL FOR SALE OR USE in the State of California

53-239 VT-i Electronic Ignition System for Harley-Davidson® V-Twin engines. Not legal for use or sale on pollution controlled vehicles. SOLD EACH

C. *DAYTONA TWIN TEC INTERNAL IGNITIONS*

Features
- Two advance curve families with adjustable advance slope accomodate stock to highly modified engines.
- Digitally set RPM limit
- Selectable single or dual fire mode

NOT LEGAL FOR SALE OR USE in the State of California

53-226 Twin Tec Internal Ignition Model 1005. For 84'-99' Evo, 71'-97' Sportster® and 70'-84' Shovelhead. SOLD EACH

53-227 Twin Tec Internal Ignition Model 1005S. For 98'-02' Sportster® except 1200S - includes harness for single fire conversion. SOLD EACH

53-231 Internal Ignition Kit, includes 1005 ignition, single fire coil and universal wire set. SOLD AS KIT

53-232 Internal Ignition Kit, includes 1005S ignition, single fire coil and universal wire set. **Fits XL's.** SOLD AS KIT

A. *DAYTONA TWIN TEC EXTERNAL IGNITIONS*

Features

- Two advance curve families with adjustable advance slope accomodate stock to highly modified engines.
- Digitally set RPM limit
- Selectable single or dual fire mode

53-228 Twin Tec External Ignition Model 1006. For 90'-94' Evo and 90'-93' Sportster® with 7 pin Cannon plug. SOLD EACH

53-229 Twin Tec External Ignition Model 1007. For 95'-98' Evo and 94'-97' Sportster® with 8 pin Deutsch plug. SOLD EACH

53-259 External Ignition Kit, includes 1006 ignition, single fire coil and universal wire set. SOLD AS KIT

53-260 External Ignition Kit, includes 1007 ignition, single fire coil and universal wire set. SOLD AS KIT

A



53-229



53-259



53-260

B. *DYNA "S" ELECTRONIC IGNITION & COILS KITS*

The Dyna "S" Ignition & Coil is now available as a kit. Kit features the Dyna "S" electronic ignition for dual or single fire ignitions and a Dyna coil. This is the same ignition used by top drag racers and road racers to win numerous victories and set records over the past decade. The Dyna "S" is completely housed behind the ignition cover and uses a magnetic rotor with the spark advancer, so the factory advance curve is maintained. Dyna coils produce high voltage (30,000 plus) with fast rise times and high energy.

53-500 Dyna "S" Ignition & Coil kit Fits all models 1970 & later with dual fire ignitions. Stock type 5 ohm coil. SOLD AS KIT

53-501 Dyna "S" Ignition & Coil kit. Fits all models 1970 & later with single fire ignitions. Single tower 5 ohm coil (pair).

B



53-500



53-501

C. *INDUCTIVE IGNITION SYSTEM*

The Dual Fire Inductive Ignition System is a single module, single coil **DUAL FIRE** system. The Single Fire Inductive Ignition System is a dual module, dual coil system. Both of these systems can be used with any high quality coil with 2-3 ohms primary resistance.

53-244 Midwest automatic advance unit for use on pointless ignition. Includes shaft and plate with pins, weights and springs. SOLD EACH

YEAR	MODEL	DESCRIPTION
1971/1979	Big Twin	Converts from point-triggered to
1970/1979	Sportster®	electronic ignition.
1980/1991	Big Twin	Replaces stock electronic ignition
1980/1991	Sportster®	and eliminates external module and rev limiter. Requires the installation of mechanical advance assembly (not included).

DYNA

C



A



A. *TWIN SCAN II*

53-236 Twin Scan II for 01'-07' fuel injected models with Delphi System, including V-Rod and 03'-06' carbureted models with 12 pin ignition module. SOLD EACH

Features
- Compatible with 01'-07' HD fuel injected models with Delphi System (including V-Rod) and 03'-06' carbureted models with 12 pin ignition module.
- Uses laptop PC for display, includes Windows software
- Real time display of engine data on instrument panel type display.
- Built-in data logging.

B

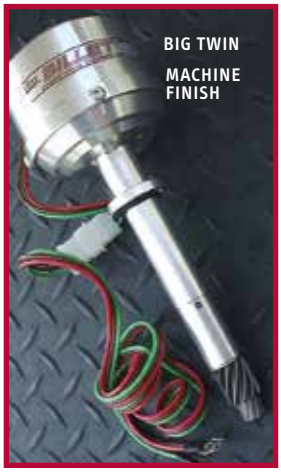


B. *TWIN SCAN III*

53-427 Twin Scan III for 2011-2012 Softails® and 2012 Dyna® models with CAN bus. Includes USB cable and software. SOLD EACH

Features
- Compatible with 2011-2012 Softails® and 2012 Dyna® with CAN data bus.
- Uses laptop PC for display.
- Real time display of engine data on instrument panel type display.
- Built-in data logging.

C



C. *MALLORY UNILITE® DISTRIBUTOR FOR EARLY SHOVEL & SPORTSTER® BY ACCEL*

For faster, easier starting, Mallory's new 12V electronic ignition system delivers performance & reliability at an affordable price. This unit is a drop-in for 1936 thru 1969 Big Twin (when using stock heads, no head removal is required). This billet distributor utilizes the Unilite® Ignition Module, and a bullet proof, fully adjustable mechanical advance unit (actually out of Accel's YH automotive distributor). Complete with detailed instructions and wiring harness.

53-589 For Big Twin 12V 1936 thru 1969. SOLD EACH

9

D



70-120

CHROME PLATED



70-156



70-123

D. *DISTRIBUTORS*

A complete plated distributor. This top quality distributor features automatic advance, late style points and condenser for performance & reliability. Complete with drive gear, points, condenser, breaker-to-coil wire, terminal adapter and chrome plated cap.

BIG TWIN

70-120 Use as a direct replacement for 1936 thru 1969 Big Twin by using hold down clamp part No. **53-151** included in kit. SOLD EACH

70-123 Complete distributor with 2 hole mount just as original.

SPORTSTER®

70-156 Complete distributor for Sportster® 1956 thru 1970 with auto advance. OEM 32506-70. Chrome plated. SOLD EACH

53-151 Hold down clamp for Sportster® 1971 & earlier and Big Twin 1965 thru 1969. SOLD EACH

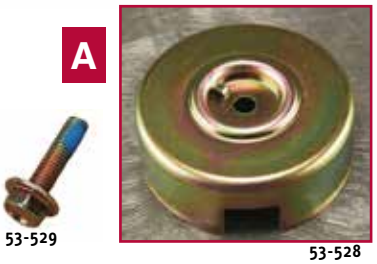
A. *IGNITION ROTOR*

53-528 Electronic ignition rotor. Fits Big Twin & XL models, except fuel injection equipped, 1983 & later. OEM 32402-83. SOLD EACH

53-529 Ignition rotor screw. OEM 2611B/C. SOLD EACH

91-352 Timer plate screw (OEM 32601-78) SOLD EACH

A



53-529

53-528



91-352

B. *IGNITION POINTS FOR H-D®*

53-16 For all Big Twins 1930 thru 1947. OEM 32658-30. SOLD AS SINGLE SET

53-13 For all Big Twins 1948 thru 1969, Sportster® & K Model 1954 thru 1970 and all 45" 1948 & later. OEM 30605-48A.

53-12 For all Big Twins & Sportster® 1970 & later. OEM 32661-70.

53-20 For XLCH with magneto 1958 thru 1969. OEM 29533-55A.

B



53-20

53-12



C. *H-P BLUE STREAK IGNITION POINTS & CONDENSER KIT*

High performance point set & condenser kit Includes part No .**53-387** & **53-388** below. These high performance, heavy duty components which are famous in the auto racing industry are now available for Harley-Davidson® motorcycles.

53-418 Blister packed points and condensor kit. SOLD AS KIT

53-387 Point set. Fits Big Twin 1970 thru early 1978 and Sportster® 1971 thru early 1978. Replaces OEM 32661-70. SOLD AS SET

53-388 Condenser. Fits Big Twin 1930 thru early 1978 and Sportster® (except with magneto) 1954 thru early 1978. Replaces OEM 32726-30A and 30802-47. SOLD EACH

C



53-387



53-388



53-418

D. *COMPLETE ADVANCE UNIT*
BIG TWIN AND SPORTSTER® 1971 & LATER

Complete advance unit including points, condenser, wire & clips.

53-242 For FL, FLH, FX, 1970 & later and Sportster® 1971 & later. May be used on late 1978 & later H-D® twins with electronic ignition for conversion to points. SOLD AS KIT

53-244 For use on pointless ignition. Includes shaft and plate with pins, weights & springs.

D



53-242

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E. *ADVANCE UNIT WITH BEARING*

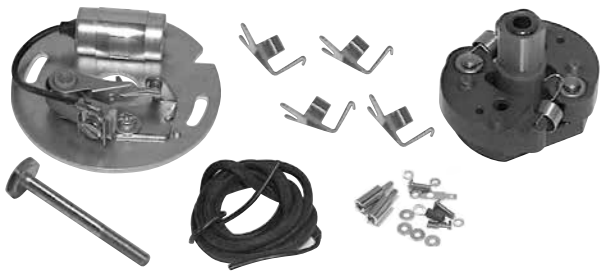
New design for auto advance unit incorporates roller bearing at pivot points for smooth and positive advance everytime, all the time. Also includes 3 sets of different tension springs for variable advance rate. Fits Big Twin 1970 & later and Sportster® 1971 & later, when point type ignitions are used.

53-384 Advance unit; complete kit. SOLD AS KIT

53-385 Weights with bearing. Can only be used on part **53-384** above. SOLD AS PAIR

53-245 Advance unit for use on pointless ignition. Includes shaft and plate with needle bearing weights and three sets of springs. SOLD AS KIT

E

















53-471

- Input for optional customre supplied flex fuel sensor. A switch under the sensor 2 LED allows selection of normal AFR display or 0-100% ethanol display.

NOT LEGAL FOR SALE OR USE in the State of California

★53-471 WEGO 3 System with AFR display
★53-472 WEGO 3 System with Lambda display

A. *MAGNETO CLAMP*

Another item that is a must for H-D® magneto conversions is this magneto hold down clamp. Made of high grade steel, this clamp provides trouble free installation.

53-151 For Sportster® 1971 & earlier and Big Twin 1969 & earlier. **SOLD EACH**

B. *MAGNETO CAP COVER GASKET*

U.S.A. MADE magneto caps and gasket.

78-412 Cap cover gasket. OEM 29550-55. **SOLD AS PKG OF 10**

C. *CONDENSER & POINTS FOR MAGNETOS*

53-21 Condenser for all magnetos. **SOLD EACH**
53-20 Point set for magnetos part No. **70-115**, **70-116** & **70-119**. **SOLD AS SET**

D. *BLUE STREAK VOES*

VACUUM OPERATED ELECTRICAL SWITCHES

DIRECT OEM REPLACEMENTS

PART NO.	OEM NO.	YEAR	MODEL
53-650	26558-84	1986/1993	All Sportsters®.
		1984/1990	FXST.
		1986/1989	FLT.
53-651	26557-83	1983/1985	XL, XLS & XLX.
		1984/1990	All FXR.
53-652	26566-91	1991/1995	All FXST & FLST.

SOLD EACH

SELF ASSEMBLY KITS

53-653 Set at 3" of mercury. **SOLD EACH**
53-654 Set at 4" of mercury.
53-655 Set at 5" of mercury.
53-656 Set at 6" of mercury.

High quality **U.S.A. MADE** vacuum operated electrical switches for use as direct replacements or custom bike building.

E. *DAYTONA TWIN TEC TWIN TUNER FUEL INJECTION CONTROLLER*

Features

- Allows easy fuel trim adjustments to increase horsepower and throttle response.
- Makes adjustments to match the requirements of performance camshafts, free flowing exhaust, low restriction air filters, etc.
- Easy plug-in installation and setup.

NOT LEGAL FOR SALE OR USE in the State of California

53-238 Twin Tuner fuel injection controller, for 2001-2007 Twin Cam® 88 with Delphi system.

F. *WEGO 3 DUAL DISPLAY WIDE BAND AIR/FUEL RATIO SYSTEM* NEW!

Features

- Displays Lambda or correct AFR values for any hydrocarbon fuel with a known stoichiometric ratio.
- Versatile tuning aid for all carbureted and fuel injected motors. Displays AFR and logs over 2 hours of data. Including two channels of AFR, engine RPM, and a spare 0-5V analog input for sensors such as throttle position or manifold pressure.

A. *DAYTONA TWIN TEC TWIN TUNER 2 FUEL INJECTION CONTROLLER*

A



- Has all the features of the original Twin Tuner and includes ignition timing control capability.
- Can use your Dynojet Power Commander maps.

NOT LEGAL FOR SALE OR USE in the State of California

53-270 Twin Tuner 2 fuel injection & ignition controller, for 2001-2011 Twin Cam® 88 with 36 pin Delphi system.

53-271 Twin Tuner 2 fuel injection & ignition controller, for 2008-2012 Twin Cam® touring models with 73 pin Delphi system.

53-428 Oxygen sensor eliminator kit. Pair of plug-in oxygen sensor eliminators. Fits 2006-later models with two wire sensors. Allows air/fuel ratio changes at idle and part throttle for race applications. **SOLD AS KIT**



53-428

53-429 Oxygen sensor eliminator kit. Pair of plug-in oxygen sensor eliminators. Fits 2010-later models with four wire sensors. Allows air/fuel ratio changes at idle and part throttle for race applications. **SOLD AS KIT**



53-429

B. *TCFI 4 FUEL INJECTION CONTROLLER*

B



Features

- Simultaneously auto-tune fuel curves for front and rear cylinders under actual riding conditions with new WEGO IIID dual channel wide-band oxygen sensor interface
- Fully programmable plug-in replacement for 36 pin Delphi® controller. Not compatible with 2008-2012 touring models with electronic throttle control, or 2011-2012 Softail® and 2012 Dyna® models with CAN data bus.
- Robust alpha-N fuel control eliminates problems with long duration/high overlap camshafts
- Powerful Windows software for custom programming and data analysis
- Full support for J1850 data bus used for communications with turn signal security module (TSM/TSSM) and instrument cluster on 2004-2012 models.
- Supports for new 6th gear indicator on 2007-2012 models.
- Supports all sensors including theft/security module.

NOT LEGAL FOR SALE OR USE in the State of California

53-426 Fits 2001-2011 Twin Cam® using 36 pin Delphi System with J1850 data bus. Not compatible with 2008-2012 touring models or 2011-2012 Softails®.

C. *DAYTONA TWIN TEC FUEL INJECTION CONTROLLER*

C



Features

- Simultaneously auto-tune fuel curves for front and rear cylinders under actual riding conditions with new WEGO IIID dual channel wide-band oxygen sensor interface
- Fully programmable plug-in replacement for Delphi® controller
- Robust alpha-N (throttle position and RPM based) fuel control eliminates problems with long duration/high overlap camshafts
- Full support for SAE J1850 data bus used on 2004-2008 models
- Powerful Windows software for custom programming and data analysis
- Data logging and diagnostics

NOT LEGAL FOR SALE OR USE in the State of California

53-425 TCFI III Fuel Injection Kit, fits 2001-2008 Twin Cam® 88 with Delphi system. Kit includes TCFI III Plug-in fuel injection controller, USB interface for PC link, WEGO IIID Dual Channel wide-band exhaust gas oxygen sensor interface, two Bosch LSU 4.2 wide-band exhaust gas oxygen sensors, and two 18 x 1 .5mm weld nuts for exhaust pipe.

A



A. *DAYTONA TWIN TEC FUEL INJECTION CONTROLLER*

Features
- Simultaneously auto-tune fuel curves for front and rear cylinders under actual riding conditions with new WEGO IIID dual channel wide-band oxygen sensor interface
- Fully programmable plug-in replacement for Delphi® controller
- Robust alpha-N (throttle position and RPM based) fuel control eliminates problems with long duration/high overlap camshafts
- Full support for SAE J1850 data bus used on 2004-2008 models
- Powerful Windows software for custom programming and data analysis
- Data logging and diagnostics

NOT LEGAL FOR SALE OR USE in the State of California

53-425 TCFI III Fuel Injection Kit, fits 2001-2008 Twin Cam® 88 with Delphi system. Kit includes TCFI III Plug-in fuel injection controller, USB interface for PC link, WEGO IIID Dual Channel wide-band exhaust gas oxygen sensor interface, two Bosch LSU 4.2 wide-band exhaust gas oxygen sensors, and two 18 x 1 .5mm weld nuts for exhaust pipe.

B



B. *USB INTERFACE FOR ALL DAYTONA TWIN TEC ENGINE CONTROLS*

Features
- Includes all required adapters for Daytona Twin Tec systems 53-226, 53-229, 53-234, 53-235 and 53-425
- Compatible with all Daytona Twin Tec software and Windows 98/ME/XP. Software drivers included on CD ROM.

53-237 USB interface. **SOLD EACH**

C



SOLD AS KIT

53-172

C. *ACCEL PERFORMANCE TUNE UP KITS WITH U-GROOVE SPARK PLUGS*

These high performance tune-up kits provide all the features and benefits of the kits described to the left except with one big difference: the Accel U-Groove spark plug. Their patented design allows you to get the most out of your tune-up.

PART NO.	YEAR	MODEL
53-172	1948/1969	FL, FLH (Pan/Shovel).
53-174	1975/Early 1978	FL, FLH, FX, FXE (3/4" reach plug).
53-176	1958/1969	XLCH with magneto.
53-177	1971/Early 1978	XL, XLH, XLCH, XLCR, XLT.

D



53-5

D. *ACCEL PERFORMANCE TUNE-UP KITS*

Accel's famous high performance 32 oz. points are combined with their premium condensers to provide you with the ultimate tune-up kits for your H-D®. Premium materials, stringent quality control and tough testing assure that you get peak ignition performance and reliable service. **U.S.A MADE**.

SOLD AS KIT

PART NO.	YEAR	MODEL
53-4	1970/Early 1978	FLH & FX.
	1971/Early 1978	XL & XLCH.
53-5	1948/1969	1200cc (74 C.I.).
53-6	1958/1969	900cc (55 C.I.).

A. *ACCEL HI-PERFORMANCE POINTS & CONDENSERS*

Accel's 23 oz. heavy duty points set part No. **53-8** are built with high quality materials to ensure long life. The 32 oz. Hi- Rev Points part No. **53-9** eliminates points bounce and float for crisp, accurate spark at extremely high engine speeds. The Accel Condenser part No. **53-10** cushions primary current to provide extended points life. Its high capacitance mylar/foil construction eliminates internals shorting. **U.S.A MADE**.

Points for FL, FLH & FX 1970 thru early 1978 and XL & XLCH 1971 thru early 1978.

53-8	Standard points; 23 oz. OEM 32661-70.	SOLD EACH
53-9	Hi-Performance points; 32 oz.	SOLD EACH
53-10	Condensor for FL, FLH & FX 1941 thru early 1978 and XL 1954 thru early 1978. OEM 32726-30A.	SOLD EACH

B. *CONDENSERS FOR H-D®*

All Midwest condensers meet or exceed original equipment manufacturer's specifications.

53-15	For all Big Twins 1930 thru 1948. OEM 32726-30.	SOLD EACH
53-14	For all Big Twins 1949 & later, Sportster®, K Model, with battery ignition, all years. OEM 32726-30A.	
53-21	For Sportster® 1958 thru 1969, with magneto ignition. OEM 29534-55A.	

C. *ULTIMA® COILS*

DUAL FIRE STOCK STYLE REPLACEMENT COILS — SOLD EACH

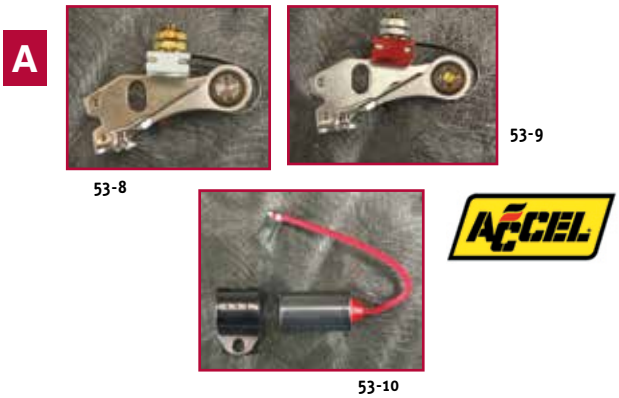
53-315	Black coil. Fits Big Twin 1965-1979. OEM 31609-65A.
53-430	Chrome coil. Fits Big Twin 1965-1979. OEM 31609-65A.
53-316	Black coil. Fits Big Twin 1980-1984 Electronic ignition. OEM 31609-80.
53-431	Chrome coil. Fits Big Twin 1980-1984 Electronic ignition. OEM 31609-80.
53-317	Black coil. Fits Big Twin late 1983-later. OEM 31614-83.
53-432	Chrome coil. Fits Big Twin late 1983-later. OEM 31614-83.

HIGH PERFORMANCE STOCK REPLACEMENT COILS

30,000 volt coil adds 20% peak spark voltage. Mounts in stock location.

SOLD EACH

53-29	Fits Big Twin 1965-1979. OEM 31609-65A.
53-438	Same as **#53-29**, except in a compact square configuration.
53-230	Fits Big Twin 1980-1984 Electronic ignition. OEM 31609-80.
53-439	Same as **#53-230**, except in a compact square configuration.
53-297	Fits Big Twin late 1983-later. OEM 31614-83.
53-440	Same as **#53-297**, except in a compact square configuration.
53-434	Single fire high performance 12V coil. 40,000V, 3 OHM primary resistance. Mounts to stock bracket and fits under most coil covers.
53-433	Fits Twin Cam®(carburetor only) models 1999-up. OEM 31655-99 OE style, .6 OHM. Greater than 50mJ and 40,000V for high performance.
53-435	Fits Twin Cam® EFI models 2001-2006. OEM 31743-01.
53-436	Fits Twin Cam® models 2007-2013. OEM 31696-07A.
53-437	Fits Sportster® models 2007-2013. OEM 31656-07.







A



B



C



D



53-450

BLACK OR CHROME



53-51

E





F



CHROME PLATED COIL & BRACKET

53-42

A. *ACCEL SUPER COILS*

Accel's Super Coils are designed to produce the maximum amount spark energy, fast coil rise time, and voltage output that is 45% higher than the OEM coil. This is Accel's highest output motorcycle coil. Easily installed in the OEM location using stock (later year model) coil covers on either electronically or point type ignition. This is one of the best performance values that you can bolt on your motorcycle to achieve smoother idling, crisper throttle response and quick acceleration. **U.S.A. MADE** Lifetime replacement warranty.

53-313 Super Coil for 1965 thru 1979 Big Twin. Primary resistance 4.7Ω. **SOLD EACH**

53-314 Super Coil for 1980 & later Big Twin (except FLHTCU-I, all Twin Cam 88™ & XL1200S). Primary resistance 2.3Ω.

B. *HIGH PERFORMANCE 45,000 VOLT SINGLE FIRE COIL*

Single fire coil mounts in the stock location and will fit under most coil covers. Use with ignitions that require a 2-3 ohm primary resistance. More horsepower, no high rpm break-up. 45,000 Volts.

53-632 12 Volt single fire coil. **SOLD EACH**

C. *ACCEL "POWER PULSE" COIL*

Molded in bright yellow, impact resistant thermoplastic compound, Accel's Power Pulse coil features greater available spark voltage, faster rise time and longer spark duration than stock coils. When teamed up with Accel's 8.8 ignition wire, U-Groove spark plugs and Accel's premium quality point triggered ignition (not included), the Power Pulse coil will provide you with improved starting, better midrange throttle response and top end performance. **U.S.A. MADE.**

53-224 For all 12V point triggered ignition XL, FL & FX 1965 thru 1977. Primary resistance 4.2Ω. **SOLD EACH**

D. *REPLACEMENT COILS*

Except for part No. **53-51**, these coils have the same electrical specifications as OEM, but the physical appearance of these coils is the same as OEM 31614-83.

APPLICATION	OEM NO.	BLACK	CHROME
All Big Twin 1965/1979	31609-65A	**53-450**	**53-453**
All Big Twin 1980/E. 1983	31609-80	**53-451**	**53-454**
All Big Twin L. 1983/1998 and FXST 1999 & earlier.	31614-83	**53-452**	**53-455**
All Big Twin 1999 & later, Sportster® 2004 & up and FXST 2000 & later, carburetor only.	31655-99	**53-51**	N/A

SOLD EACH

E. *DAYTONA TWIN TEC COILS*

53-258 High-output Twim Cam coil

Features
- Fits most 99' and later carbureted models
- Same size as OEM P/N 31655-99 and 31704-99
- Greater than 50 mJ and 40,000V output

53-257 3 ohm single fire coil

Features
- Fits stock bracket and covers
- Great value!

F. *HIGH PERFORMANCE COIL*

These coils have 10% greater output capacity than stock. Can be used on any bike where one coil supplies 2 spark plugs. Will mount in stock position on 74" frame.

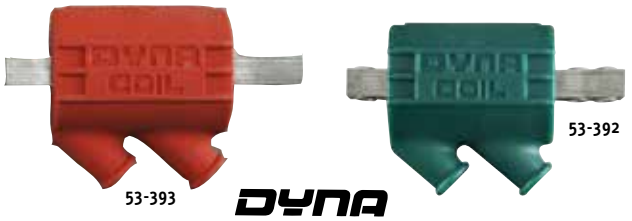
53-42 6V coil. **SOLD EACH**

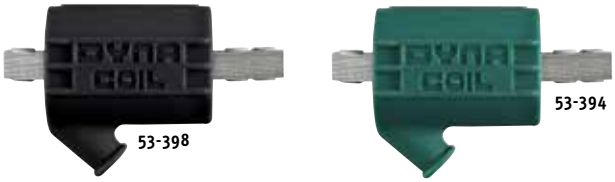
53-43 12V coil.

A. *DYNA® IGNITION COILS*

These high tech, top quality coils are designed for maximum performance. They produce spark voltages in excess of 30,000 volts and spark energies second to none. Dyna® coils are made to replace stock coils. Choose from three configurations and three variations of resistance for different applications. Dyna® coils work with point ignitions, aftermarket electronic ignitions and factory electronic ignitions.







FOR DUAL FIRE IGNITION

Dual plug heads — race or street.

53-393 Dual tower, 1.5 ohm, Brown. Mfg. # DC2-1. SOLD AS PAIR

Single plug heads — street.

53-397 Dual tower, 5.0 ohm, Black. Mfg. # DC8-1. SOLD AS PAIR
53-396 Stock style, 5.0 ohm, Black. Mfg. # DC7-1. SOLD EACH

Single plug heads — race.

53-392 Dual tower, 3.0 ohm, Green. Mfg. # DC1-1. SOLD AS PAIR
53-395 Stock style, 3.0 ohm, Green. Mfg. # DC6-1. SOLD EACH

FOR SINGLE FIRE IGNITION

Dual plug heads — race

53-392 Dual tower, 3.0 ohm, Green. Mfg. # DC1-1. SOLD AS PAIR
53-395 Stock style, 3.0 ohm, Green. (Two coils required). Mfg. # DC6-1. SOLD EACH

Dual plug heads — street.

53-397 Dual tower, 5.0 ohm, Black. Mfg. # DC8-1. SOLD AS PAIR
53-396 Stock style, 5.0 ohm, Black. (Two coils required.) Mfg. # DC7-1. SOLD EACH

Single plug heads — race.

53-394 Single tower, 3.0 ohm, Green. Mfg. # DC3-1. SOLD AS PAIR

Single plug heads — street.

53-398 Single tower, 5.0 ohm, Black. Mfg. # DC10-1. SOLD AS PAIR

FOR ELECTRONIC DYNA® 2000 IGNITION SYSTEM

Dual fire with single plug heads.

53-392 Dual tower, 3.0 ohm, Green. Mfg. # DC1-1. SOLD AS PAIR
53-395 Stock style, 3.0 ohm, Green. Mfg. # DC6-1. SOLD EACH

Dual fire with dual plug heads.

53-393 Dual tower, 1.5 ohm, Brown. Mfg. # DC2-1. SOLD AS PAIR

Single fire with single plug heads.

53-394 Single tower, 3.0 ohm, Green. Mfg. # DC3-1. SOLD AS PAIR

Single fire with dual plug heads.

53-392 Dual tower, 3.0 ohm, Green. SOLD AS PAIR
53-395 Stock style, 3.0 ohm, Green. (Two coils required). Mfg. # DC6-1. SOLD EACH

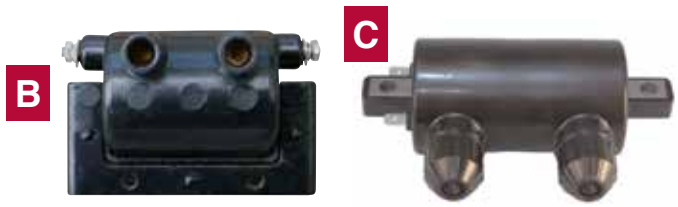
B. *12 VOLT COIL*

53-40 12V Coil for Big Twin 1948 & later and Sportster® 1971 & later. Replaces OEM 31609-65A. Imported. SOLD EACH

C. *UNIVERSAL MOUNT COIL*

Universal mount coil. 12V 2.45OHMS, Dual fire. 1/4" mounting holes, 4" center to center.

53-44 Universal mount, dual fire coil. SOLD EACH





D. *DAYTONA TWIN TEC MINI IGNITION COIL*

FOR EVO SINGLE FIRE APPLICATIONS

Features

- Miniature coil intended for custom motorcycles where space is at a premium and single fire is required for maximum performance
- 3 ohm primary is compatible with Twin Tec Models 1005-1007 and most aftermarket single fire ignitions including Compufire, Crane HI-4, and Dyna® 2000. Not compatible with older Dyna® S series
- Kit includes universal spark plug wireset with choice of 90 and 135 degree spark plug boots and all required electrical terminals
- Overall dimensions: 2.4" x 2.3" x 1.6" (not including terminals and tower).

53-312 Daytona Twin Tec 3 OHM Mini Coil it. Includes two coils, universal wire sets and parts bag with terminals.

A



53-417



53-591

DYNA

B





C

89-608



ULTIMA



89-609



89-620

D



CHROME PLATED

9

A. *DYNA® TWIN FIRE COILS*

COIL FOR DUAL PLUG HEADS

This coil will enhance the benefits of, and is the perfect compliment to the Dyna Digital Ignition System (part No. **53-399**) for which it was designed. The Twin Fire coil has all of the features people have come to expect from a Dyna® coil; high voltage (greater than 30,000 volts) with fast rise times, and high energy.

The Dyna Twin Fire coil can be used with any electronic advance ignition system that incorporates dwell control, but can not be used with the DS6-2 Dyna® S or similar ignitions.

53-417 Coil with four output towers. For use on all dual spark plug head applications. **SOLD EACH**

TWIN FIRE II PERFORMANCE COIL

This coil is designed to give optimum performance when used with the Dyna® 2000 series of ignitions. Over 40,000 volts per/output. Accepts 7 to 8.5mm wires. **CAUTION:** Do not use this coil with the Dyna®-S ignition, breaker points, or similar non dwell-controlled ignitions. The coil may overheat and become damaged. Ignitions designed for the Twin Cam® motor are not compatible with this coil.

53-591 Twin Fire II performance coil. Fits all H-D® equipped with Dyna® 2000 & 2000i series of ignitions. **SOLD EACH**

B. *DYNA® MINIATURE COILS*

Advanced magnetic core technology delivers high output in one of the smallest packages available. Great for customs where coils need to be hidden. These coils are designed for use with the Dyna® 2000 and 3000 series ignitions, factory installed electronics, or other aftermarket ignitions that employ dwell control. Primary resistance: 3 ohms, secondary resistance: 11.5 ohms. Overall dimensions 4.2" x 2.3" x 1.6", mounting centers 2.9" minimum to 3.5" maximum, approximate weight 9.8 oz. **NOTE:** These coils should NOT be used with the Dyna® "S," Dyna® III or earlier generation ignitions.

53-647 Quantity of two coils with two outputs, 3.0 ohms, 11.5 ohms **SOLD AS KIT**

53-648 Quantity of one coil with two outputs, 3.0 ohms, 11.5 ohms.

53-649 Quantity of one coil with one output, 3.0 ohms, 11.5 ohms.

Mini Coils for Metric Cruisers

One of the smallest packages that deliver high output with advanced magnetic core technology. Designed for use with Dyna 2000 & 3000 series ignitions, factory installed electronics or with aftermarket ignitions that employ dwell control. Great for customs where coils need to be hidden

53-710 Quantity of two coils with two outputs, 3.0 ohms, 11.5 ohms. **SOLD AS KIT**

53-711 Quantity of two coils with one output, 3.0 ohms, 11.5 ohms. **SOLD AS KIT**

C. *ULTIMA® IGNITION SWITCH / COIL COVER*

Premium quality vented coil cover offered in 3 popular finishes.

89-608 Coil cover with key switch hole. Chrome. **SOLD EACH**

89-609 Coil cover with key switch hole. Black.

89-619 Coil cover with key switch hole. Polished.

89-620 Coil cover w/o key switch hole. Polished.

NOTE: Switch not included.

D. *1960'S STYLE COIL COVER*

89-307 Fits all Big Twin 4 speed 1965 thru 1986 and Softail® 1984 thru 1999. **SOLD EACH**

A. *SKULL COVERS*

SOLD EACH

89-601 Ignition cover with 5 holes, for Twin Cam 88® 1999 & later. Replaces OEM 32679-99.

89-604 Derby cover for Big Twin 1970 thru 1998. Replaces OEM 25414-70. Not shown.

89-605 Derby cover for Twin Cam 88® 1999 & later. Replaces OEM 25415-99. Not shown.



B. *DIE CAST DOMED IGNITION COVER*

Beautifully chromed die cast aluminum covers give that classic chromed look. Use on 1999 & later Twin Cam 88™. Includes five button head chrome allen screws & wrench. No gasket provided.

89-497 Five hole cover. Replaces OEM 32679-99. SOLD EACH

SEE SEC. 7 FOR MATCHING DERBY COVER



C. *POINT COVER*

89-128 Plain chrome cover for Big Twin 1970 thru 1998 and XL 1970 & later. SOLD EACH

78-421 Gasket for above cover. Replaces OEM 32591-70. SOLD AS PKG OF 10

D. *DOMED POINT COVER*

Die-cast domed chrome plated cover replaces OEM 32584-88T.

89-304 Fits Big Twin 1970 thru 1998 and XL 1970 & later. SOLD EACH



E. *ULTIMA® ENGRAVED POINT COVER*

Dress up your engine with an Ultima® etched point cover. This point cover is light weight, laser etched & chrome plated.

89-114 Ultima® point cover. SOLD EACH



F. *CHROME COIL COVERS*

Fits Big Twin 1965 thru 1984 and Softail® 1984 thru 1999.

89-70 Plain cover. OEM 31800-78. SOLD EACH

89-71 Louvered cover. OEM 31610-83T.

Fits all Softail® models 2000 & later.

89-528 Plain cover. OEM 31606-00. SOLD EACH

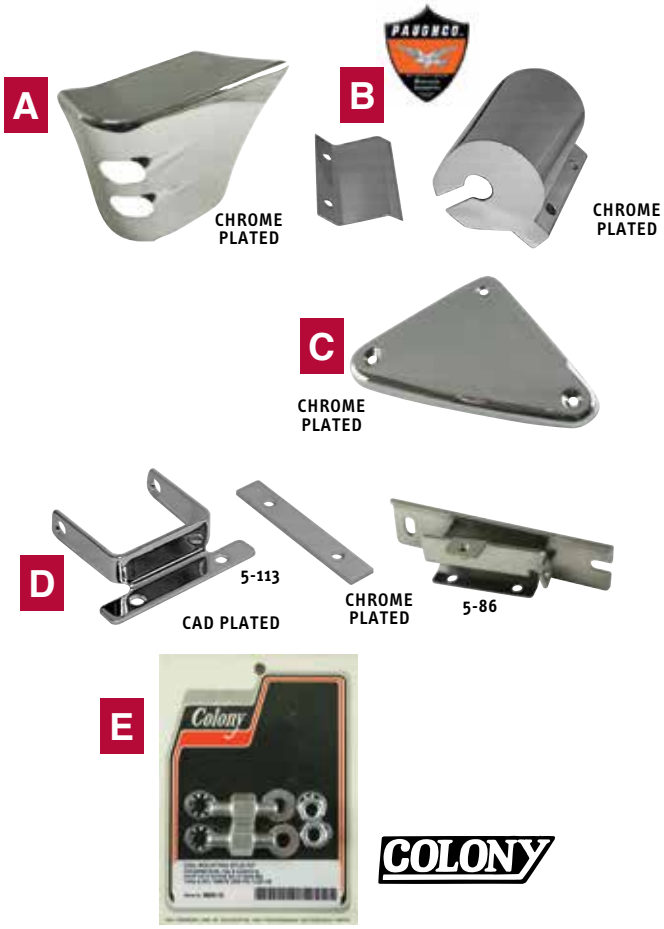
Fits all Dyna Glide® models 1991 thru 1998.

89-399 Plain cover. OEM 31640-91. SOLD EACH

Fits all Dyna Glide® models 1999 & later.

89-492 Plain cover. OEM 31644-99. SOLD EACH





A. *WING STYLE COIL COVER*

Wing style coil covers reminiscent of the covers of the 1940's with two holes in the front for plug wires.

89-301 For FL & FX 4-speeds, 1965 thru 1986. SOLD EACH
89-302 For all Softail® 1984 & later.

B. *CHROME COIL COVER*

Chrome plated teardrop coil cover.

89-47 Fits Sportster® 1971 & later and Big Twin 1965 & later. SOLD EACH

C. *IGNITION MODULE COVER FOR SPORTSTER®*

Add a little chrome to an otherwise dark area.

89-320 For Sportsters® 1982 & later. Replaces OEM 66328-82T. SOLD EACH

D. *COIL BRACKETS*

5-86 Fits Big Twin 1948 & later. OEM 31728-78. SOLD EACH
5-113 Fits Sportster® 1971 & later except 1982 XLS. OEM 31723-71A & OEM 31727-72. SOLD AS KIT

E. *COIL MOUNTING STUD KITS*

Cad plated studs, nuts, and washers to mount coil and terminal box to the frame. SOLD AS KIT

53-406 Fits Big Twin 1956 thru 1982. Replaces OEM 72341-56A.

COLONY

9



ULTIMA® SPARK PLUG WIRES

Ultima® universal plug wires for use with our Ultima® coil cover & other OEM/custom applications. 300 ohms. SOLD AS SET

18-584 Ultima® plug wires, red.
18-585 Ultima® plug wires, blue.
18-586 Ultima® plug wires, gray.
18-587 Ultima® plug wires, black.
18-589 Ultima® plug wires, yellow.
18-590 Ultima® plug wires, orange.
18-591 Ultima® plug wires, white.

ULTIMA



A. *ULTIMA® HIGH PERFORMANCE SPARK PLUG WIRES*



- High performance 8mm wire-wound supression core producing **300 ohms** of resistance per foot.
- Up to 15 times more efficient than factory OEM wires to promote faster and more complete fuel burn in the cylinder head.
- Resists temperatures up to 600°F.
- Competition Sleeving (used by most WInston Cup teams), covers the entire length of wire, boot to boot, is silicone over fiberglass braid, provides 8000 volts of additional insulation to the wire and eliminates spark plug misfire and spark jump.
- Dyno tested, resulting in 2 - 6 hp increase over factory OEM wires.
- Highest quality silicone spark plug boots and coil boots.
- Posi-snap lock stainless steel spring clip terminals.
- Suppresses radio frequency interference that electronic ignition systems demand.
- Double insulated at spark plug and coil ends.
- Available in 8 custom colors: Red, Blue , Gray, Purple, Orange, Yellow, White and Black.
- Available for H-D® and most aftermarket V-Twin applications (i.e. Fat Bastard®, Big Dog™, Bourget™, etc.)
- Wire sets come complete and ready for installation.

APPLICATION	RED	BLUE	GRAY	BLACK*	PURPLE	YELLOW	ORANGE	WHITE
Twin Cam® Softail®, FXD 99'-up, & FXDWG, side mount coil behind engine.	**18-427**	**18-428**	**18-429**	**18-430**	—	**18-432**	**18-433**	**18-578**
Twin Cam® FLT 1999-2008.	—	—	—	—	**18-438**	—	—	**18-579**
FLH, FLT 2009-2010.	—	—	—	**18-773**	**18-774**	—	—	—
Softail® Evolution® 1999 & earlier, Big Twin FX & FL 1965 1984, side mount coil behind engine. Also Sportster® 1971 thru 1976 front mount coil.	**18-441**	**18-442**	**18-443**	**18-444**	**18-445**	**18-446**	**18-447**	**18-580**
Sportster® Evolution® 1985 & later (except XLS), and FLT 1985 thru 1998, coil mount up front under gas tank.	**18-448**	—	—	**18-451**	—	—	**18-454**	—
FXR models, custom bikes with coil mount between cylinders on motor mount (i.e. Fat Bastard®, Big Dog™, Iron Horse™, Bourget™, etc.).	**18-455**	**18-456**	—	**18-458**	**18-459**	**18-460**	**18-461**	—
Sportster® Evolution® 2004 & up	—	—	—	**18-574**	—	—	—	—
HD® Rocker 2008/2009	**18-761**	—	**18-763**	**18-764**	—	—	—	**18-768**

SOLD AS SET

* All sleeved plug wires have chrome embossment of the Ultima® logo.

B. *ULTIMA® ATOMIC 40 PLUG WIRES*

These wires provide at least 4-10 added horsepower (conservative estimate) for a boost of firepower. Available in black. 40 ohms.

SOLD AS SET

ATOMIC 40 APPLICATIONS.

18-795	FXD/Softail® 1999-up
18-796	FLT - TC 1999-up
18-797	Early Softail® 1985-1998
18-798	Sportster® EVO 1985-2003
18-799	FXR style/Big Dog/Customs
18-800	Sportster® XL 2004-up
18-801	Rocker 2008-2009
18-802	FLH-FLT 2009-2012, 90 degree
18-803	FLT-TC 1999-2008, 90 degree
18-804	EVO 1985-1998, 90 degree
18-805	For Ultima® coil cover #89-608



A



A. *ULTIMA® SPARK PLUG WIRES (NEW LOOK)*

Ultima® plug wires (new look) for Touring models, for all undertank mounted coils. 300 ohms. SOLD AS SET

Twin Cam® - FLH 1999-2008

18-685 Ultima® plug wires, blue.
18-687 Ultima® plug wires, black.
18-688 Ultima® plug wires, purple.
18-691 Ultima® plug wires, white.

Evolution Touring - EARLY FLH 1985-1998

18-693 Ultima® plug wires, blue.
18-695 Ultima® plug wires, black.
18-696 Ultima® plug wires, purple.
18-699 Ultima® plug wires, white.

Twin Cam® - FLH 2009-2011

18-780 Ultima® plug wires, blue.
18-781 Ultima® plug wires, gray.
18-782 Ultima® plug wires, black.
18-783 Ultima® plug wires, purple.
18-784 Ultima® plug wires, yellow.
18-785 Ultima® plug wires, orange.

B



B. *ULTIMA® 40 OHM SPARK PLUG WIRES*

THE ULTIMATE IN SPARK PLUG WIRE TECHNOLOGY, 8MM PLUS



- **40 ohms** of resistance per foot, which gives the highest spark energy transfer and the highest EMI/RFI supression. Kevlar® core center with a nickle copper alloy conductor wire, which is wound 124 times per inch. This type of center conductor is a slightly smaller diameter allowing for an increased amount of premium EPDM insulation material. The use of Kevlar® produces a core that has four times the strength of other aramid fiber cores resulting in a very high tensile strength from a small diameter. the insulated core is braided with high strength fiberglass strand for improved resistance to terminal pull off.
- The jacket is a high quality silicone product resisting temperatures up to 600°F. Highest quality silicone spark plug boots and coil boots. Posi-snap lock stainless steel spring clip terminals. Dyno-tested, resulting in 2 - 8 hp increase of factor OEM wires. Every wire factory tested for quality and reliability. Wire sets come complete and ready for installation. SOLD AS SET

18-481 For Twin Cam 88® Softail® & Dyna® models.
18-483 For Softail® 1984 thru 1999, FX & FL 1965 thru 1984, and Sportster® 1971 thru 1976.
18-484 For Sportster® 1985 thru 2003 (except XLS) and FLT 1985 thru 1998.
18-485 For FXR models & custom applications with the coil located between the cylinders.
18-769 For HD® Rocker 2008/2009.

C





C. *UNIVERSAL SPARK PLUG WIRE KIT*

Hi-performance grade **U.S.A. MADE** wire set at an economical price. 28" Long wires with 90° heavy duty red oxide boots. FL, FX, & XL 1979 & earlier use solid core wires. All H-D® models 1980 thru 1987 use suppression core wires.

18-103 Yellow solid core wire set. SOLD AS SET
18-110 Black solid core wire set.
18-181 Black suppression core wire set.

A. *DYNA® PLUG WIRES*

These 8mm grey silicone wires are recommended for late model bikes with electronic advance ignitions or other sensitive electronic equipment. Dyna® suppression core plug wires use the highest grade graphite suppression core for best electrical noise reduction and engine performance. Wires are two foot in length.

18-274 Dyna® plug wires. SOLD AS SET OF FOUR



B. *8.8 UNIVERSAL FIT IGNITION WIRE SETS*

Use for dual plug heads. Wire color is Accel Yellow.
Whether you have points or electronically triggered ignition, one or two plugs per cylinder head — Accel has an 8.8 Universal Fit Wire set for you. **U.S.A. MADE.** Available in stainless steel/copper or graphic RFI supression core, Accel 8.8 yellow spark plug wires provide the ultimate in performance for street or racing applications. One 42" wire in the set. Each wire end is terminated with a 90° or bendable "Variangle" spark plug boot. The hardware kit includes locking spark plug terminals, boots for male coil towers, brass distributor type terminals and boots for female coil towers, and instructions for easy installation. **NOTE:** Use for dual plug heads.
Universal Fit wire set terminated with a 90° or bendable "Variangle" spark plug boot. SOLD AS SET

18-237 Graphite suppression wire set for 2 cylinders. Variangle boot.



C. *CUSTOM SPARK PLUG COVERS*

Custom spark plug covers allow you to see the spark through your choice of blue or red tinted lenses.

18-276 Spark plug covers with red lenses. SOLD AS PAIR



D *SPARK PLUG HOLDER*

1" Clamp fits to rear frame tube. Will accept H-D® Long reach plugs. OEM 91775-51.

5-96 For Big Twin 1940 thru 1958. Also any motorcycle accepting 1" clamp. SOLD EACH



E. *CHROME SPARK PLUG COVERS*

They say details make the difference — and these chrome spark plug covers are as easy to install as they are good lookin'. With black silicone seals.

18-234 Spark plug covers for 13/16" plugs (fits Big Twin models). SOLD AS PAIR



F. *HEAD BOLT COVERS FOR EVOLUTION®*

Chrome die cast covers for the head bolt and spark plugs which are held in place by a hi-temp rubber grommet.

89-402 For Evolution® Big Twin 1986 & later. SOLD AS SET



G. *U-GROOVE SPARK PLUGS SHOP PACKS*

3-269 Shop pack 2410A Standard U-Groove plugs. SOLD AS PKG. OF 24
3-266 Shop pack 2410P Platinum U-Groove plugs.
3-267 Shop pack 2418 Standard U-Groove plugs.
3-268 Shop pack 2418P Platinum U-Groove plugs.



ACCEL IGNITION WIRES



300+ RACE WIRES delivers peak performance even at high temperatures over 550º F. 300+ Wire is available in custom fit sets that are ready for easy installation as well as universal fit sets for dual plug heads and other special applications. Recommended for use on points style and electronic ignition motorcycles. **U.S.A. MADE.**

8.8 CUSTOM FIT ready-to-install wire sets provide improved performance, both electrically and mechanically .For street or race track use. The custom fit 8.8 wire sets are available in either yellow or black and are **U.S.A. MADE.**





YEAR	MODEL	BLACK 300+	8.8 YELLOW	8.8 BLACK
Late 1978/1984	FLH, FX & FXE-80.	—	18-101	18-214
1983 & 1984	FXWG.	—	18-101	18-214
1971/Early 1978	FX & FXE.	—	18-100	18-216
1965/Early 1978	FL & FLH.	—	18-100	18-216
1979/1985	XL, XLCH & XLX.	18-298	18-98	18-215
1979/1982	XLS.	18-298	18-98	18-215
1984/1990	Softail® models.	18-298	18-98	18-215
1985 & 1986	FXWG.	18-298	18-98	18-215
1985	FXEF & FXSB.	18-298	18-98	18-215
1991/ 1998	Dyna® models.	18-298	18-98	18-215
1971/Early 1978	XLH & XLCH.	18-298	18-99*	18-217*
1958/1969	XL & XLCH, with magneto.	18-299	—	18-266*
1982/1994	FXR, FXRS & FXRT.	18-300	—	18-218
1986 & Later	XL models.	—	18-184	18-221
1991 & Later	Softail® models.	—	18-238	18-240
1985/1990	FLT & FLHT models.	18-304	—	—
1991 & Later	FLT & FLHT models.	18-304	18-194	18-241
1999 / 2004	FXD & Buell.	18-345	—	—
1999 & 2000	Sportster® Sport - 4 plug.	18-343	—	—
2000	Softail®	18-342	—	—

SOLD AS SET

UNIVERSAL 300+ RACE WIRE KITS have the extra thick 8.8mm silicone jacket and silicone insulation to deliver peak performance even at peak racing temperatures over 550°F. Low 150 Ohms/ft resistance Ferro-Spiral core. **U.S.A. MADE.**

18-306 Universal fit, 90° boot, 2 cyl.
SOLD AS SET

18-307 Universal fit, Variangle boot, 2 cyl.

9

ULTIMA® MOTORCYCLE SPARK PLUGS NEW!





★3-50 For Big Twin EVO Motors. OEM 32311-83.
SOLD EACH

★3-51 For Twin Cam® Motors 1999-later & XL 1986-later. OEM 32317-86. SOLD EACH

AUTOLITE MOTORCYCLE SPARK PLUGS

Carry Autolite motorcycle spark plugs and power your sales! Aluminum oxide insulator for high thermal conductivity, high dielectric strength and precise heat range control. Terminal post bonded to center electrode for gas tightness and full voltage. Gasket seals insulator from shell. Tapered chrome-nickel alloy tip produces a leaner, sharper spark, precise heat range control and improved acceleration. Nickel plated steel shell resists rust and has precision threads. Motor seat gasket guarantees gas-tight seal between shell & insulator. Copper core center electrode for better fouling resistance. A lower sparking voltage requirement means easier starting & less misfiring. 98% Coverage on all popular motorcycles with just 12 model numbers. Easy-to-use all numeric numbering system. Autolite brand name packaging with powerful Autolite advertising & merchandising support with seasonal promotions for added sales. Autolite motorcycle spark plugs are the preferred choice of many top racing teams. Each time they win, you win.

YEAR	MODEL	AUTOLITE PLUG NO.	PLATINUM PLUG NO.	GAP
1450cc				
1999 & Later	TC88™ A/B, Carb or Fuel Inj.	4164	MP4164	.040
1340cc				
1984 & Later	V-2 Evolution®.	4265	MP4265	.040
1984	Shovel.	4345		.040
1982 & 1983	All models.	4345		.040
1978/1981	All models.	4265	MP4265	.040
1200cc				
1975/1980	FLH, FX, FXE, FXEF, FXS.	4265	MP4265	.040
1948/1974	All models.	4275	MP4275	.025
1986 & Later	Evolution® Sportster®, 883cc, 1100cc, & 1200cc.	4164	MP4164	.040
1000cc				
1979/1985	XL models.	4123		.040
1983 thru 1985	XR models.	4252		.035
1972 thru 1978	Sportster® XL, XLCH, XLCR, XLH, XLS.	4316	MP4316	.035
900cc				
1971 & Earlier	XL, all models.	4316	MP4316	.030

NOTE: The spark plugs listed are based on new engine requirements. They may not be applicable for operating conditions requiring hotter, colder or resistor spark plugs.



AUTOLITE FINE WIRE PLATINUMS

Autolite Fine Wire Platinums (numbers with "MP" prefix) fire quick and clean with virtually no gap erosion, and platinum's low firing voltage protects ignition systems and improves fuel efficiency.



MIDWEST PART NO.	AUTOLITE PART NO.	SOLD AS
3-210	4316	Each
3-211	4345	Each
3-212	4123	Each
3-214	4275	Each
3-209	MP4275	Each
3-226	4265	Card of 2
3-206	MP4265	Each
3-227	4164	Each
3-207	MP4164	Each

9

ACCEL CYCLELITE PLATINUM SPARK PLUGS

These Accel Platinum tipped performance spark plugs are **U.S.A. MADE** with state-of-the-art components. The platinum tip provides for longer life and durability. For performance at its best, CycleLite your bike.

CycleLite™

YOU MUST ORDER BY THE MIDWEST PART NUMBER.



MODEL	ENGINE	YEAR	M.W. PART NO.	ACCEL NO.	H-D® SPARK PLUG NO.	H-D® OEM NO.
FL and FX.	1200 Shovel	1975/1979	**3-259**	Y2403P	5A6A	32310-78
Liteweights.	125 - 350cc	1961/1978	**3-260**	Y2407P	8	—
FL and FX.	1340 Evolution®	1984 & Later	**3-261**	Y2410P	5R6A	32311-83
FL and FX.	1340 Shovel	1980/1981	**3-261**	Y2410P	5R6A	32311-83
FL and FX (without electric ignition).	1200 Shovel	1979/1984	**3-261**	Y2410P	5R6A	32311-83
XR.	1000 Ironhead	1983/1985	**3-262**	Y2412P	—	—
XL.	1000 Ironhead	1979/1985	**3-263**	Y2413P	4R5	32301-80
XLH.	883, 1100, 1200 Evolution®	1986 & Later	**3-265**	Y2418P	6R12	32317-86
Twin Cam 88®.	1450cc	1999 & Later	**3-265**	Y2418P	6R12	32317-86

SOLD EACH

CHAMPION SPARK PLUGS

Champion's motorcycle plug with twice the carbon fighting power & about half the plug types; only 6 plug types will cover 90% of the bike market for you. Anti-fouling performance. This spark plug is a real "carbon fighter." Engineering tests show the design offers twice the anti-fouling resistance of Champion's previous design. With improvements like this, no wonder more & more Harley® motorcycle owners are installing Champion Plugs.

CHAMPION POWERSPORT SPARK PLUG: PowerSport plugs were developed through the use of Champion exclusive thermocouple test plugs. These plugs provide the data necessary to specially engineer the design and heat range to the application. The exclusive shape of the thermal contour firing tip modifies heat transfer for more rapid burnback of carbon deposits caused by prolonged idling and low speed operation. Increased bore clearance between the shell and the core nose promotes better scavenging of deposits that cause fouling. The stronger terminal end is strengthened for extreme use.

Champion plug number listed numerically first, then alphabetically. To insure accuracy in your order, find the plugs you need & **ORDER BY THE MIDWEST PART NUMBER ONLY**.

MAKE/YEAR & MODEL	NEW POWERSPORT	COPPER PLUS PLUG TYPE	GAP
1450 1999 & later Twin Cam® 88B All Models	**8812**	RA8HC	.040
1340 (V-2 EVOLUTION)			
1995-99 FL (F.I.) - All Models OHV	**8405**	RN12YC/N12YC	.040
1984-99 FL - All Models OHV	**8405**	RN12YC/N12YC	.040
1985-00 FL - All Models OHV	**8405**	RN12YC/N12YC	.040
1340 (SHOVEL HEAD)			
1982-83 FL - All Models	**8405**	RN13LYC	.040
1980-81 FL - All Models	**8405**	RN12YC/N12YC	.040
1978-79 FL - All Models	**8405**	RN12YC/N12YC	.040
1982-83 FX - All Models	**8405**	RN13LYC	.040
1980-81 FX - All Models	**8405**	RN12YC/N12YC	.040
1978-79 FX - All Models	**8405**	RN12YC/N12YC	.040
1984 FXE	**8405**	RN13LYC	.040
1984 FXSB	**8405**	RN13LYC	.040
1984 FXWG	**8405**	RN13LYC	.040
1200 (V-2 EVOLUTION)			
1988 & later XL- All Models	**8810**	RA8HC	.040
1200 (SHOVEL HEAD)			
1975-80 FL, FX - All Models	**8405**	RN12YC/N12YC	.040
1948-74 FL, FX - All Models	–	RJ12YC/J12YC	.025
1130 2002 & later VRSCA V-ROD (Liquid Cooled)	–	RA4HC	.035
1100 (V-2 EVOLUTION)			
1986-87 - All Models	**8810**	RA8HC	.040
1000 1979-85 XL - All models	**8814**	RL82YC/L82YC	.040
1972-78 XL - All models	–	RH8C/H8C	.030
1983-85 XR - All models	–	RN7YC/N7YC	.040
900 1957-71 XL - All models	–	RH8C/H8C	.030
883 (V-2 EVOLUTION)			
1985 & later XL - All Models	**8812**	RA8HC	.040
350 1973-74 - All Models (3/4" Rch. Hd.)	–	RN3C/N3C	.025



POWER SPORT	MIDWEST PART NO.
8810	**3-38**

SOLD AS CARD (2)

– ULTIMA® MOTORS –

3-41 127ci, RN9YC
3-43 113ci, RN11YC4
3-46 140ci, RA6HC

SOLD EACH



COPPER PLUS CHAMPION	MIDWEST PART NO.
N3C	**3-167**
RA4HC	**3-45**
RN7YC	**3-170**
H8C	**3-32**
RA8HC	**3-164**
H10C	**3-30**
J12YC	**3-193**
N12YC	**3-188**
H8C	**3-189**
RN12YC	**3-228**
D14	**3-36** Knuckle Head
RL82YC	**3-162**

SOLD EACH

SHOP PACK OF CHAMPION SPARK PLUGS

Contains 24 each of Champion Copper Plus plugs. See chart for applications.

3-44 RN11YC4
3-256 RN12YC

SOLD AS PKG. OF 24

U-GROOVE SPARK PLUGS



Accel U-Groove Performance Spark Plugs have a patented U-shaped ground electrode that produces a double wide, hotter spark to ignite standard or even the highest compression engines. The sintered alumina heavy duty five rib insulator eliminates "flashover" and overheating that occurs with high performance and long range applications. Accel U-Groove spark plugs use the purest copper/nickle alloy electrode to produce a broad heat range that is highly foul resistant and dissipates heat better than any other material. Years of racing and street performance research has proven than Accel U-Groove spark plugs deliver the hottest spark and the highest performance of any spark plug available.

MODEL	YEAR	TYPE (HEAT RANGE)	ORDER BY THIS MIDWEST NO. FOR CARD	ACCEL KIT NO.	PLUGS PER CARD	ACCEL SPARK PLUG NO.	H-D® SPARK PLUG NO.	H-D® OEM NO.
FL & FLH.	1948/1974	COLD	**3-174**	2401	2	137	3	
FL & FLH.	1975/1982		**3-191**	2403A	2	116	5A6A	32310-78
		HOT	**3-192***	2410A	2	496	5R6A	32311-83
FL & FLH.	1983 & 1984	COLD	**3-192***	2410A	2	496	5R6A	32311-83
FX, FXE, FXEF, FXWG & FXS.	1971/1974	COLD	**3-174**	2401	2	137	3	
FX, FXE, FXEF, FXWG & FXS.	1975/1982		**3-191**	2403A	2	116	5A6A	32310-78
			3-192*	2410A	2	496	5R6A	32311-83
FX, FXE, FXEF, FXWG & FXS.	1983 & 1984	COLD	**3-192***	2410A	2	496	5R6A	32311-83
FX, FXE, FXEF, FXWG & FXS.	1985 & 1986		**3-192***	2410A	2	496	5R6A	32311-83
FLT & FLHT.		COLD	**3-192***	2410A	2	496	5R6A	32311-83
FLT & FLHT.	1984 thru 1998		**3-192***	2410A	2	496	5R6A	32311-83
FXR, FXRS, FXRT FXRD & FXLR.	1982 & 1983	COLD	**3-192***	2410A	2	496	5R6A	32311-83
FXR, FXRS, FXRT FXRD & FXLR.	1984 thru 1998		**3-192***	2410A	2	496	5R6A	32311-83
FXST, FXSTS, FLST & FLSTC.	1984 thru 1999		**3-192***	2410A	2	496	5R6A	32311-83

*Denotes resistor plug kit.

NOTE: Different driving conditions may exist, or fuel settings may have changed. Please consult Accel spark plug cross reference to find plug desired. Some models under OEM applications have different heat range spark plugs available.

EXHAUST



EXHAUST SYSTEM PARTS FROM THE ENGINE OUT







BIG GROWL® EXHAUSTS FOR SOFTAIL® 1986 THRU 2005

The 2-1/4" Big Growl® pipes feature thick wall tubing, reinforced mounting brackets, one piece step ups, no welds! Available in beautiful show quality chrome

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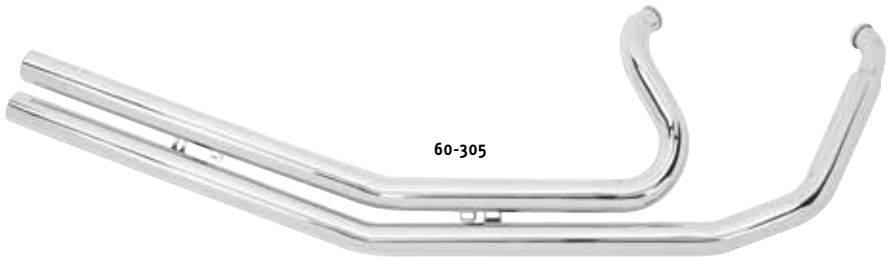
60-300	Big Growl® Down 'n Outs, chrome.	SOLD AS PAIR
60-301	Big Growl® Snub Nose, chrome.	SOLD AS PAIR
60-302	Big Growl® Down 'n Dirty, chrome.	SOLD AS PAIR
60-303	Big Growl® Sharp Shooters, chrome.	SOLD AS PAIR
60-304	Big Growl® Straight Shooters, chrome.	SOLD AS PAIR
60-305	Big Growl® Long Barrels, chrome.	SOLD AS PR
60-311	3 Piece heat shield set. Fits all Big Growl® exhaust.	SOLD AS SET
60-312	2 Piece extended coverage heat shield set. Fits all Big Growl® exhaust.	SOLD AS SET











BIG GROWL® EXHAUSTS FOR SOFTAIL® 1986 THRU 2005

The 2-1/4" Big Growl® pipes feature thick wall tubing, reinforced mounting brackets, one piece step ups, no welds! Available in beautiful show quality chrome.

60-306	Big Growl® Upswept Up 'n Outs, chrome.	SOLD AS PR
60-307	Big Growl® Long Rifles, chrome.	SOLD AS PR
60-308	Big Growl® Short Shooters, chrome.	SOLD AS PR
60-309	Big Growl® Upswept Double Barrels. Straight Shooters, chrome.	SOLD AS PR
60-310	Big Growl® Long Guns, chrome.	SOLD AS PR
60-311	3 Piece heat shield set. Fits all Big Growl® exhaust.	SOLD AS SET
60-312	2 Piece extended coverage heat shield set. Fits all Big Growl® exhaust.	SOLD AS SET


60-306


60-307


60-309


60-308


60-310

2" BIG GROWL® EXHAUSTS WITH O2 SENSORS

FOR SOFTAIL® 84'-14'
DYNA FXD/FXDWG W/FWD CNTRLS ONLY 91'-14'
ALL TOURING MODELS 86'-14'

NEW!

These 2" Big Growl® pipes feature thick wall tubing, O2 sensor bungs with plugs, reinforced mounting brackets available in beautiful show quality chrome or black powder coat.

★**60-360**	Big Growl® Short Shots, chrome.	SOLD AS PR
★**60-361**	Big Growl® Short Shots, black.	SOLD AS PR













BIG GROWL® EXHAUSTS FOR SPORTSTER® 1986 THRU 2003

The 2.25" Big Growl® pipes for Sportsters® feature thick wall tubing, reinforced mounting brackets, one piece step ups, no welds! This means extra strength as the seamless pipes step up from 1.75" to 2.25" in beautiful show quality chrome.

60-330 Big Growl® Down 'n Outs, chrome. SOLD AS PR
60-331 Big Growl® Snub Nose, chrome. SOLD AS PR
60-332 Big Growl® Sharp Shooters, chrome. SOLD AS PR
60-333 Big Growl® Straight Shooters, chrome. SOLD AS PR
60-334 Big Growl® Short Shooters, chrome. SOLD AS PR

60-313 2 piece heat shield set, chrome. SOLD AS SET



2" BIG GROWL® EXHAUSTS WITH O2 SENSORS

FOR SPORTSTER® 86'-14' NEW!

These 2" Big Growl® pipes feature thick wall tubing, O2 sensor bungs with plugs, reinforced mounting brackets available in beautiful show quality chrome or black powder coat.

★**60-360** Big Growl® Short Shots, chrome. SOLD AS PR
★**60-361** Big Growl® Short Shots, black. SOLD AS PR



BIG GROWL® EXHAUSTS

FOR YAMAHA ROADSTAR 99'-06'

The 2-1/4" Big Growl® pipes feature thick wall tubing, reinforced mounting brackets and beautiful show quality chrome.

60-343 Big Growl® Snub Nose

ULTIMA® DRAG PIPES

NOTE: Drag pipes are not legal for street use anywhere. Intended for competition use only.

PANHEAD

60-200 1-3/4" O.D., 34" long. SOLD AS SET

SHOVELHEAD 1970 & LATER

Will clear FL big battery with relay cover off. Rear pipe routes over the transmission

60-203 1-3/4" O.D. 40" long. SOLD AS SET
60-204 2" O.D., 40" long.

FXST 1984 THRU 1999 AND FX 1984 & 1985

Mounts to OEM mounting bar.

60-205 1-3/4" O.D., 40" long. SOLD AS SET
60-206 2" O.D., 40" long.

DYNA® 1991 & LATER

Mounts to OEM mounting bar.

60-207 1-3/4" O.D., 40" long. SOLD AS SET
60-208 2" O.D., 40" long.

FXR 1984 THRU 1999

Mounts to OEM mounting bar.

60-209 1-3/4" O.D., 40" long. SOLD AS SET
60-210 2" O.D., 40" long.

IRONHEAD XL 1957 THRU 1985 (EXCEPT 1979)

Requires brake pedal stop part No. **66-73** on 1980 thru 1985. Also uses channel mount bracket.

60-211 1-3/4" O.D., 40" long. SOLD AS SET
60-212 2" O.D., 40" long.

V2 XL 1986 THRU 2003

Mounts to OEM mounting bracket.

60-213 1-3/4" O.D., 40" long. SOLD AS SET
60-214 2" O.D., 40" long.

V2 XL 2004 THRU 2006

Mounts to OEM mounting bracket.

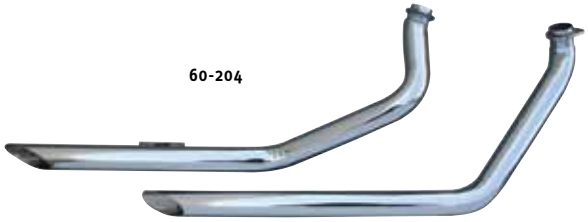
60-217 1-3/4" O.D., 40" long.
60-218 2" O.D., 40" long. SOLD AS SET

SPORTSTER® 2007 & LATER

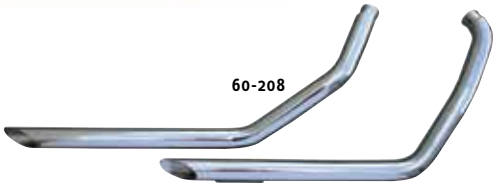
Features exhaust crossover bung, O2 sensor bungs, reinforced mounting brackets & includes mounting hardware.

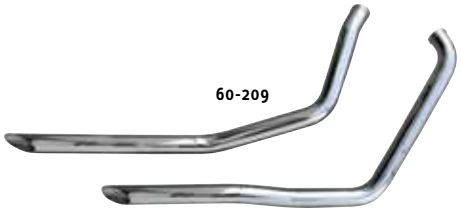
60-219 1-3/4" O.D., 40" long.
SOLD AS SET

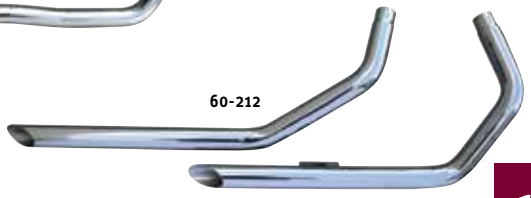


















A



A. *ULTIMA® 1-3/4" UPSWEPT HEADER EXHAUST*

For Softail® Evolution® 1986-1999. 1-3/4" upswept header exhaust with mounting bracket.

62-626 1-3/4" Upswept header exhaust. SOLD AS SET

B



B. *ULTIMA® 1-3/4" DUAL CROSSOVER HEADERS FOR FLH SHOVEL 1970 THRU 1984*

1-3/4" Dia. independent dual crossover header exhaust will fit FLH Shovel 1970 thru 1984, kick or electric start. Includes mounting bracket.

62-632 Crossover header exhaust. SOLD AS SET

C. *ULTIMA® 1-3/4" DRAG PIPES FOR FLH SHOVEL 1970 THRU 1984*

34" Long, 1-3/4" dia. drag pipes will fit FLH Shovel swingarm 1970 thru 1984, kick or electric start. Floorboard must be moved for pipe clearance.

62-616 Goose style drag pipes. SOLD AS SET

C



D. *ULTIMA® 1-3/4" UPSWEEP HEADERS FOR SHOVEL 1970 THRU 1984*

1-3/4" Dia. upsweep header exhaust set will fit Shovel swingarm 1970 thru 1984. Will fit FXE type battery boxes. Includes mounting bracket.

62-623 Upsweep header exhaust. SOLD AS SET

D



CYCLE SHACK EXHAUST

E. *2-1/2" O.D. SLIP FIT REPLACEMENT MUFFLER FOR 2007 SOFTAIL® & FATBOY*

64-504	Tapered muffler for FLSTF models.
64-507	Tapered muffler for FLSTN/I Deluxe/Nostalgia models.
64-505	Slash Cut muffler for FLSTF models.
64-501	Slash Down muffler for FXST-FLST models.
64-503	Slash Down muffler for FLSTF models.
64-506	Slash Down muffler for FLSTN/I Deluxe/Nostalgia models.

E



TAPERED



SLASH CUT



SLASH DOWN

CYCLE SHACK EXHAUST

A. 1-3/4" & 2" EXHAUST SYSTEM FOR SOFTAIL® 2008

Pipes with Oxygen Sensor Bungs for FXST 2007-2008 models.

62-800 Tapered 1-3/4" 1 pc. muffler pipes.
62-804 Tapered 2" 1 pc. muffler pipes.
62-802 Slash Down 1-3/4" 1 pc. muffler pipes.
62-803 Slash Cut 1-3/4" drag pipes.



TAPERED

B. 1-3/4" & 2" EXHAUST SYSTEM FOR FATBOY 2008

Pipes with Oxygen Sensor Bungs for FLSTF & FLSTN 2007-2008 models.

62-810 Tapered 1-3/4" muffler pipes for FLSTF FatBoy.
62-813 Tapered 1-3/4" muffler pipes for FLSTN/I Deluxe/Nostalgia.
62-808 Slash Out 1-3/4" muffler pipes for FLSTF FatBoy.
62-809 Slash Down 1-3/4" muffler pipes for FLSTF FatBoy.
62-812 Slash Down 2" muffler pipes for FLSTN/I Deluxe/Nostalgia.
62-807 Slash Cut 1-3/4" drag pipes for FLSTF FatBoy.
62-811 Slash Cut 1-3/4" muffler pipes for FLSTN/I Deluxe/Nostalgia.



SLASH OUT

C. 1-3/4" & 2" EXHAUST SYSTEM FOR TOURING MODELS 2008

Muffler pipes (1 pc.) w/Oxygen Sensor Bungs for FLHR & FLT 07'-08' models.

62-817 Slash Out staggered 1-3/4" dual muffler pipes.



SLASH DOWN

D. 1-3/4" & 2" EXHAUST SYSTEM FOR XL SPORTSTER® 2004-2008

Muffler pipes (1 pc.) w/Oxygen Sensor Bungs for Sportster® 2007 models.

62-824 Tapered 1-3/4" muffler pipes.
62-828 Tapered 2" muffler pipes.
62-825 Slash Out 1-3/4" muffler pipes.
62-826 Slash Down 1-3/4" muffler pipes.
62-830 Slash Down 2" muffler pipes.



1-3/4" O.D. DRAG PIPES

10

E. OVAL SLIP FIT MUFFLERS

64-538 1984-1999 FXST
64-540 1997-later FLSTS/FLSTSC Heritage Springer
64-541 2000-2006 Softail®
64-542 2007 FLSTF FatBoy®
64-543 2007-later FLSTN/I Deluxe/Nostalgia
64-544 2000-2006 FLSTF FatBoy®
64-545 1995-later FLT/FLHR/FLHT

E



64-536

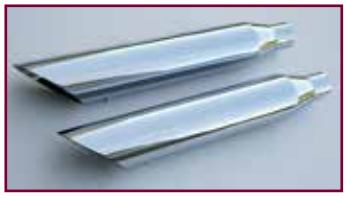
CYCLE SHACK EXHAUST

A. 3" SLIP FIT REPLACEMENT MUFFLER

A



3" SLASH OUT



3" SLASH DOWN

SLASH OUT

64-528	2007-later FLSTN/I Deluxe
64-529	2005-2006 FLSTN/I Deluxe
64-533	2007 FLSTF FatBoy
64-524	2007-later FXST

SLASH DOWN

64-522	1984-1999 FXST
64-530	2000-2006 FXST
64-531	2007-later FLSTN/I Deluxe
64-521	2005-2006 FLSTN/I Deluxe
64-534	2007 FLSTF FatBoy®

B. 1-3/4" HEAT SHIELDS FOR EVOLUTION® FLSTF 1990 THRU 2000 & FLSTN

B



65-194



65-195

Drag pipes. Use factory heat shield. Bolts directly to factory muffler support bars. **NOTE**: These drag pipes are unmuffled and are illegal for use on any public roads or public lands. They are intended for use only in sanctioned off-road competition events on tracks designed exclusively for that purpose. **CHROME**

65-194	Front heat shield.	SOLD EACH
65-195	Rear heat shield.	

C

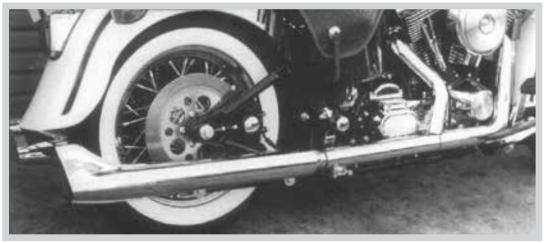


Designed as direct bolt-on replacements for the factory's original exhaust system on the FLSTF & FLSTN Fat Boy®. They accept factory heat shields and feature 1-3/4" head pipes, one-piece construction, show chrome, and improved looks and performance. These pipes eliminate the crossover tube used on OEM factory pipes and bolt directly to the factory muffler support bars, using stock flange rings & mounting hardware. Includes front bracket. **CHROME**

62-357	With tapered style mufflers.	SOLD AS SET
62-358	With slash cut, "SS" style mufflers.	

C. SLIP FIT MUFFLERS FOR 2008 DYNA FAT BOB FXDF

D



SOLD AS SET

64-549	2-1/2" Tapered slip fit muffler.

D. REPLACEMENT MUFFLER TIP FOR FLSTS HERITAGE SPRINGER®

Replacement muffler tip fits FLSTS Heritage Springer®.

REPLACEMENT TIPS ONLY SOLD EACH

64-326	Rocket tip only.

CYCLE SHACK EXHAUST

A. 2" DRAG PIPES FOR EVOLUTION® SPORTSTER® 2004 & LATER

Fits 2004 & later Sportster® 883cc, & 1200cc models. Features Cycle Shack's unique one-piece construction, high flow rate baffles for outstanding performance, and they mount to the OEM muffler support tube for good fit. **NOTE:** These pipes are unmuffled and are illegal for use on any public roads or public lands. They are intended for use only in sanctioned off-road competition events on tracks designed exclusively for that purpose.

2" O.D. Drag pipes. Includes heat shields. Use stock support tube.

62-76 2" O.D. Slash-cut drag pipes. SOLD AS SET
62-77 2" O.D. Straight cut drag pipes.

A



62-76

B. 1-3/4" EXHAUST SYSTEMS FOR TWIN CAM 88™ 2000

Fits 2000 Softail®. These are the same great Cycle Shack exhaust systems updated to fit the Twin Cam88™ Softail® models. Includes mounting bracket.

1-3/4" CHROME

62-404 With tapered style mufflers . SOLD AS SET

B



62-404

Shotgun style exhaust system fits 2000 Softail®. Features include true one-piece construction of 16 gauge tubing and show chrome. Includes mounting bracket.

1-3/4" CHROME

62-417 1-3/4" Dia. shotgun exhaust system with tapered mufflers. SOLD AS SET



62-417

Drag pipes fit 2000 Softail®. Includes mounting bracket.

NOTE: These pipes are unmuffled and are illegal for use on any public roads or public lands. They are intended for use only in sanctioned off-road competition events on tracks designed exclusively for that purpose.

1-3/4" CHROME

62-413 1-3/4" Dia. straight cut drag pipes. SOLD AS SET

10

C. 2" EXHAUST SYSTEMS FOR SPORTSTER® 1957 THRU 1985 (EXCEPT 1979)

40" Long drag style pipes help the 1000cc Sportster® engine run strong. Order channel mount bracket. When used on 1980 thru 1985 models, order brake pedal stop part No. **66-73**.

Gooseneck style drag pipes feature turn-out bend at the end of the pipes.

NOTE: These pipes are unmuffled and are illegal for use on any public roads or public lands. They are intended for use only in sanctioned off-road competition events on tracks designed exclusively for that purpose.

CHROME

SOLD AS SET

62-73 2" Dia. drag pipes.

C



A







B



BALONEY CUT



TURNOUT

10

C



CHROME PLATED



D

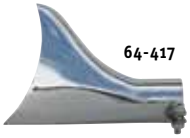


CHROME PLATED

E



64-418



64-417

CYCLE SHACK EXHAUST

A. REPLACEMENT MUFFLERS FOR FLT, FLH, FLHTC & FLR

REPLACEMENT MUFFLERS

Regular diameter replacement mufflers, 29" long. Fits FLT, FLHS, FLHTC, & FLR.

64-351 Tapered style for 1995 & later. SOLD EACH

B. SLIP FIT REPLACEMENT MUFFLERS

Replacement mufflers for models supplied with slip-fit staggered duals from the factory. Three styles of these low restriction, show-chrome beauties give your bike a new look and improved performance. Features include lighter weight, 2-1/2" O.D. with a high performance all-steel baffle, improved performance and sound. Mount tabs bolt directly to the factory muffler support bracket.

For 1984 thru 1999 FXST, FLST Softail® models (except FLSTS Heritage Springer®), FLSTF, FLSTN Fat Boy® / Nostalgia® models as well as 1980 thru 1985 FX, FXE, FXWG models.

1995 THRU 1999 FLSTF & FLSTN

64-436 Turn out. SOLD AS PAIR

C. REPLACEMENT MUFFLERS FOR H-D®

These replacement mufflers fit 1-3/4" pipes. SOLD EACH

64-367 Fishtail muffler, 32" long.

64-368 Standard muffler, 25" long.

D. FISHTAIL EXTENSION FOR UNIVERSAL USE ON 1-3/4" HEADERS

This fishtail extension fits right or left side & can easily be added to existing head pipes. Use part No. **66-48** clamps.

64-369 29" Long. No baffle. SOLD EACH

64-370 27" Long. No baffle.

E. UNIVERSAL FISHTAIL EXTENSIONS

Fishtail extensions for 1-3/4" diameter headers.

64-418 18" Long fishtail extension. SOLD EACH

64-417 Clamp-on mini fishtail.

F. FISHTAIL MUFFLERS

64-339 2-7/8" Dia. with 1-3/4" I.D. inlet. 30" Long. SOLD EACH
Includes inner steel-cut baffle & clamp.

64-373 Same as above part No. **64-339** except 36" long.

F



CHROME PLATED

A. *FISHTAIL EXTENSION FOR UNIVERSAL USE ON 1-3/4" HEADERS*

This fishtail extension fits right or left side & can easily be added to existing head pipes. Use part No. **66-48** clamps.

64-369 29" Long. No baffle. SOLD EACH
64-370 27" Long. No baffle.

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Fishtail extensions for 1-3/4" diameter headers.

64-418 18" Long fishtail extension. SOLD EACH
64-417 Clamp-on mini fishtail.

C. *FISHTAIL MUFFLERS*

64-339 2-7/8" Dia. with 1-3/4" I.D. inlet. 30" Long. Includes inner steel-cut baffle & clamp. SOLD EACH
64-373 Same as above part No. **64-339** except 36" long.

D. *CUSTOM MUFFLERS FOR UNIVERSAL USE*

FIts 1-3/4" and 1-1/2" head pipes with use of sizing sleeve included. These custom slip-on mufflers, available in 3 styles, feature heavy gauge outer shell, glass-pak baffle, hidden mounting studs and show chrome finish.

64-300 Slash-cut muffler; 15" long. SOLD EACH
64-319 Tapered muffler; 15" long.

E. *SHORTY MUFFLER FOR UNIVERSAL USE*

12" Long. 1-1/2" x 1-3/4" Inlet, fits either size. Comes with replaceable fiberglass packed diffuser.

64-3 SOLD EACH

F. *CUSTOM EXHAUST END CAPS*

Fits Screaming Eagle performance & touring model 4" & 3" dia. muffler pipes. OEM #65985-07, 65259-00, 65980-97, 65255-96.

These two end caps are made from CNC billet 6061-T6 alumimum. Slash cut end can be turned up, down or on side for different look.

64-328 Chrome 4" I.D. exhaust cap, slashed cut style. SOLD EACH

These end caps are made from steel and add a great custom look to any exhaust.

64-330 Black & chrome 4" I.D. exhaust end cap, straight cut style. SOLD EACH

A

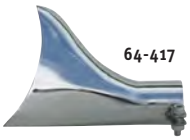


CHROME PLATED

B



64-418



64-417

C



CHROME PLATED

D



CHROME PLATED



64-319

E



CHROME PLATED

F



64-328





64-330

10

A



64-45 64-48

A. *4" LONG BAFFLES FOR UNIVERSAL USE*

These 4" long baffles fit in the end of exhaust pipes and some mufflers to reduce noise level and offer a minimum performance restriction.

64-45 For 1-1/2" pipes. SOLD EACH
64-47 For 1-3/4" pipes.
64-48 For 2" pipes.

B

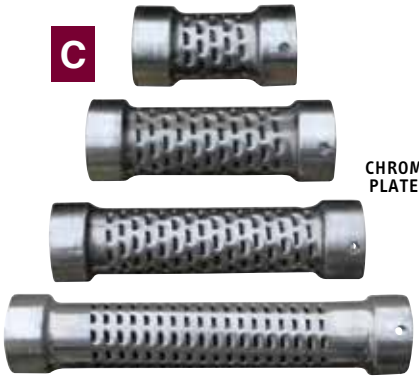


B. *8" LONG BAFFLES FOR DRAG PIPES*

These 8" long inserts slide straight through drag, TT, and side pipes and fasten in place with a single nut & bolt (included).

64-100 For 1-1/2" pipes. SOLD EACH
64-105 For 1-3/4" pipes.
64-190 For 2" pipes.

C



CHROME PLATED

C. *ULTIMA® BAFFLES*

Made to fit 2-1/4" exhaust to help reduce noise and provide better low end torque. Offered in 4", 6", 8" & 10" lengths. Installs in minutes.

64-103 Baffle, 2-1/4", 4" long.
64-101 Baffle, 2-1/4", 6" long. SOLD EACH
64-104 Baffle, 2-1/4", 8" long.
64-102 Baffle, 2-1/4", 10" long.

D



66-14

POLISHED & CHROME PLATED

E



D. *END CLAMPS FOR UNIVERSAL USE*

For use on muffler ends or pipes.

66-14 1-1/2" Inside diameter. SOLD EACH
66-15 1-5/8" Inside diameter.
66-16 1-3/4" Inside diameter.
66-17 1-7/8" Inside diameter.
66-18 2" Inside diameter.

E. *EXHAUST HEAD CLAMPS FOR PAN & SPORTSTER®*

Designed to tighten pipes securely to head. These are barrel type exhaust port clamps made of quality steel.

66-42 For Sportster® SOLD EACH
66-43 For 61" & 74" Pan, 1948 thru 1965.

F



CLAMP & ALLEN HEAD BOLT CHROME PLATED

F. *EXHAUST CLAMPS FOR PAN AND SPORTSTER®*

Exhaust clamps add the finishing custom touch while insuring unmatched, super-sealing exhaust port connections. Made from heavy-wall cold-rolled steel (1/8" wall). Allen head bolts feed into barrel-type pre-threaded nuts which are heli-arc welded to clamps. A must for those extra show points.

66-49 For H-D® Pan 1948 thru 1965. Set of two for 1-3/4" & 2" pipes. OEM#65274-88T SOLD AS SET
66-48 For Sportster® 1957-1985. Set of two for 1-3/4" pipes. OEM#65273-88T

G



G. *PIPE CLAMPS FOR UNIVERSAL USE*

A long exhaust pipe clamp.

66-10 1-3/4" Inside diameter. SOLD EACH
66-61 2" Inside diameter.

A. *STAINLESS STEEL SAFETY WIRE*

Wire comes in a handy 1 pound dispensing canister. Meets ASTM A580 chemistry. SOLD AS ROLL

18-790 22 gage safety wire, .025" dia.; aprox 595 ft. per roll.
18-791 20 gage safety wire, .032" dia.; aprox 362 ft. per roll.
18-792 18 gage safety wire, .041" dia.; aprox 221 ft per roll.



B. *ACORN NUT & GASKET KIT FOR SHOVELHEAD*

Our kit includes 2 studs, 2 exhaust gaskets, chrome plated acorn nuts and lockwashers.

66-100 For Shovel 1966 thru 1984. SOLD AS KIT
78-143 Gasket only.



ACORN NUTS
CHROME PLATED

C. *ULTIMA® EXHAUST FLANGES, FOR SHOVELHEAD / PANHEAD*

These Ultima® 3-bolt exhaust flanges are ideal when building your own custom exhaust for Ultima® Shovelheads, or S.T.D.® & other custom Shovelhead & Panhead motors. Will work with single bolt style exhaust gaskets. MADE IN USA.

66-102 Ultima® 3-bolt exhaust flanges. SOLD AS PAIR



D. *EXHAUST PORT ITEMS FOR 84'-LATER BIG TWIN*

Exhaust port related items for Evolution® Big Twin 1984 & later, and Evolution® Sportster® 1986 & later.

66-96 Retaining ring. OEM 65325-83. **U.S.A. MADE.** SOLD EACH
66-203 Exhaust flange. Chrome. OEM 65328-83. SOLD AS PAIR
78-445 Exhaust gasket; Cometic. Woven wire with graphite, tapered. Replaces OEM 65324-83A. SOLD AS PKG. of 10
78-538 Exhaust gasket; Cometic. EVO race style. SOLD AS PKG. of 10
78-206 Exhaust Gasket, Stainless Spiral, 99'-later. SOLD AS PKG. of 10
66-242 Exhaust stud SOLD EACH







E. *EXHAUST PORT FOR PAN*

This individual casting with the correct fO.D. and tapered I.D. in extra length for the replacement of worn, cracked, or missing exhaust ports. It is cast from the same high temperature alloy as used in the head. This alloy is not available in standard stube form nor is there a standard tube, which has the correct O.D. or I.D.

66-101 Pan exhaust ports. SOLD AS PAIR



F. *EXHAUST POWER CONES*

Steel cones are CNC machined and require no special tool or alteration to install between the head and head pipe. Can be welded in place to help stop any rattles or leaks. Should be used on straight pipes to increase low end torque. Helps eliminate flat spots and increase back pressure.

64-477 Fits Evolution® and Twin Cam®. SOLD AS PAIR

EXHAUST TORQUE CONES
64-478 Stainless steel torque cones. SOLD AS PAIR
64-479 Chrome plated torque cones.



G. *FIRE RING FOR SHOVEL*

This fire ring is a one piece copper & fiber exhaust port gasket shaped like the exhaust port flange. Copper fire ring helps prevent burn out.

78-143 SOLD EACH

A



A. *EXHAUST INSULATING WRAP*

Increases horsepower and fuel efficiency by maintaining hotter exhaust gases that exit faster through decreased density. Wraps withstand continuous heat up to 2000° F.

64-110	Brown, 2" x 50' Exhaust Wrap	SOLD EACH
64-111	Black, 2" x 50' Exhaust Wrap	
64-112	Copper, 2" x 50' Exhaust Wrap	

B



B. *EXHAUST WRAP KITS*

Everything you need for a professional installation in one kit. Includes 2 rolls of 2" x 15' exhaust wrap, 1 can of HT silicone coating and locking ties (eight 8" & four 14").

64-113	Black wrap & black HT silicone coating.	SOLD AS KIT
64-114	Tan wrap & aluminum HT silicone coating.	
64-115	Tan wrap & white HT silicone coating.	

C



C. *SNAP STRAP KIT*

Stainless steel straps offer quick and clean looking installation. Just insert end and pull to tighten.

66-110	Snap strap kit, 12 pack of 9" straps.	SOLD EACH

D



D. *BLUE SHIELD*

Kreem Blue Shield is a protectant to be used on new exhaust systems before installation.

103-189 Kreem Blue Shield. KREEM SOLD EACH

Best buy — case quantity of 6 bottles.

SEAT/ SISSY BAR

11

SEATS, SISSY BAR & RELATED ITEMS

ULTIMA® SADDLES
SOLO SEATS


SOLO SHOOTOUT™ STRUTLESS FENDER


SOLO SHOOTOUT™ SPORTSTER®


SOLO SHOOTOUT™ RIGID


SOLO SHOOTOUT™ SOFTAIL®

Shootout® Solo Dropstitch Design

COVER TYPE	Black Vinyl		Black Leather	
PADDING TYPE	STD	GEL	STD	GEL
APPLICATION				
FXST 1984 / 1999	76-702	76-703	76-763	76-765
FXST 2000 & later	76-734	76-735	76-753	76-755
Big Twin 1958 / 1984	76-815	76-816	76-817	76-818
Sportster® thru 1978	76-823	76-824	76-825	76-826
Sportster® 1982/ 2003	76-706	76-707	76-779	76-780
FXR 1982 / 1994	76-831	76-832	76-833	76-834
Roadking 1997 /2001	76-839	76-840	76-841	76-842
Roadking 2002 & later	76-852	76-853	76-854	76-855
Rigid	76-722	76-723	76-771	76-773
Strutless Fender	76-732	76-733		

Shootout® Solo w/ flared back for Softail®

COVER TYPE	Black Vinyl		Black Leather	
PADDING TYPE	STD	GEL	STD	GEL
APPLICATION				
FXST 1984 / 1999	76-700	76-701	76-761	76-739
FXST 2000 & later	76-747	76-748	76-749	76-751


Black Vinyl


Black Leather

ULTIMA® SADDLES

SOLO SEATS



SOLO
SHOWDOWN™
SOFTAIL®





Showdown® Solo Topstitch Design

COVER TYPE	Black Vinyl		Black Leather	
PADDING TYPE	STD	GEL	STD	GEL
APPLICATION				
FXST 1984 / 1999	76-704	76-705	76-767	76-769
FXST 2000 & later	76-736	76-737	76-757	76-759
Big Twin 1958 / 1984	76-819	76-820	76-821	76-822
Sportster® thru 1978	76-827	76-828	76-829	76-830
Sportster® 1982/ 2003	76-708	76-709	76-781	76-782
FXR 1982 / 1994	76-835	76-836	76-837	76-838
Roadking 1997 / 2001	76-843	76-844	76-845	76-846
Roadking 2002 & later	76-856	76-857	76-858	76-859
Rigid	76-724	76-725	76-775	76-777
Strutless Fender	76-726	76-727		

ULTIMA® SADDLES

"DUSK TO DAWN"

PILLOW STYLE SEATS



76-880



76-884

SOLO, VINYL , PILLOW SEATS

76-876 FXST 84' thru 99'
76-877 FXST 00' thru 05'
76-878 BT 58' thru 84'
76-879 Sportster® thru 78'
76-880 Sportster® 82' thru 03'
76-881 Rigid

FULL, VINYL , PILLOW SEATS

76-884 FXST 84' thru 99'
76-885 FXST 00' thru 05'
76-886 BT 58' thru 84'
76-887 Sportster® thru 78'
76-888 Sportster® 82' thru 03'
76-889 Rigid

SPRING MOUNTED, VINYL , PILLOW SEATS

76-882 9" Solo, black
76-883 13" Solo, black



76-888



76-882

11

ULTIMA® SADDLES

FULL SADDLES


FULL SHOOTOUT ROADKING


FULL SHOOTOUT FXR


FULL SHOOTOUT™ SOFTAIL®

FULL SHOOTOUT® with dropstitch design

COVER TYPE	BLACK VINYL		BLACK LEATHER	
PADDING TYPE	STD	GEL	STD	GEL
APPLICATION				
FXST 1984 / 1999	76-712	76-713	76-787	76-788
FXST 2000 & later	76-714	76-715	76-783	76-784
Big Twin 1958 / 1984	76-728	76-729	76-795	76-796
FXR 1982 / 1994	76-799	76-800	76-803	76-804
Sportster® thru 1978	76-860	76-861	76-862	76-863
Sportster® 1982/ 2003	76-788	76-719	76-791	76-792
Roadking 1997 / 2001	76-868	76-869	76-870	76-871
Roadking 2002 & later	76-809	76-810	76-813	76-814
Rigid	76-900	76-901	76-902	76-903


FULL SHOOTOUT™ SOFTAIL®


FULL SHOOTOUT™ RIGID


FULL SHOWDOWN™ SOFTAIL®

FULL SHOWDOWN® with topstitch design

COVER TYPE	BLACK VINYL		BLACK LEATHER	
PADDING TYPE	STD	GEL	STD	GEL
APPLICATION				
FXST 1984 / 1999	76-710	76-711	76-789	76-790
FXST 2000 & later	76-716	76-717	76-785	76-786
Big Twin 1958 / 1984	76-730	76-731	76-797	76-798
Sportster® thru 1978	76-864	76-865	76-866	76-867
Sportster® 1982/ 2003	76-720	76-721	76-793	76-794
FXR 1982 / 1994	76-801	76-802	76-805	76-806
Roadking 1997 / 2001	76-872	76-873	76-874	76-875
Roadking 2002 & later	76-807	76-808	76-811	76-812
Rigid	76-904	76-905	76-906	76-907


FULL SHOWDOWN™SOFTAIL®



ULTIMA® SADDLES

"HIGH NOON"

SPRING MOUNTED SOLO SEATS

METAL SEAT PAN

76-928 9" Solo, black
76-929 13" Solo, black

SMOOTH DESIGN

76-740 Brown Leather 13" wide
76-741 Black Leather 13" wide
76-742 Black Vinyl 13" wide
76-743 Black Vinyl 9" wide
76-745 Black Leather 9" wide
76-746 Brown Leather 9" wide

DIAMOND STITCH DESIGN

76-895 Black Vinyl 9" wide
76-896 Black Leather 9" wide
76-897 Black Vinyl 13" wide
76-898 Black Leather 13" wide

VINYL , PILLOW SEATS

76-882 9" Solo, black
76-883 13" Solo, black

CROSS WEAVE DESIGN

76-930 9" Solo, black
76-931 13" Solo, black
76-932 9" Solo, brown
76-933 13" Solo, brown


76-741


76-740


76-743


76-742


76-746


76-895


76-882


76-897


76-931


76-933



A. *PHANTOM PILLION PADS*

Designed for use when you don't want a permanently mounted pillion pad. Bonds to the rear fender using six paint-saving suction mounts. High density comfortable foam, covered with durable SaddleHyde™.

76-624 Spectre pad for 7" wide fender. Dimensions: 1-3/4" high, 6" wide, 10" long. SOLD EACH

76-625 Phantom pad for custom fenders 8" and wider. Dimensions: 1-3/4" high, 7" wide, 10" long.



B. *SEAT BRACKET MOUNTING BRACKET*

This bracket allows you to mount your seat to most frames — no more welding.

82-74 For use with part No. **82-12** seat bracket. SOLD EACH



C. *SOLO SEAT SPRINGS*

Chrome plated solo seat springs. Available in two heights.

82-16 3" Seat spring. SOLD EACH

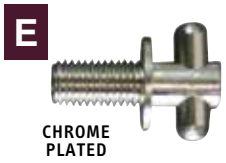
82-76 5" Seat spring. Works well with later seats for FXST.



D. *NYLON SEAT BRACKET WASHER*

This **U.S.A. MADE** 1/4" nylon washer keeps the seat bracket from scratching the paint on the rear fender.

24-1 Fits 1982 & later FXE, FXSB, FXWG, FXST, XLH, XLS, XLX & XR-1000. OEM 6410. SOLD EACH



E. *QUICK RELEASE SEAT PINS*

Threads into existing seat mounting hole in rear fender. Spring loaded pin can be quickly removed for an easy on/off seat.

82-1 Quick release seat pin, 1/4 - 28. SOLD AS SET

82-7 Quick release seat pin, 1/4 - 20. Used on 1996 & later models. SOLD AS SET

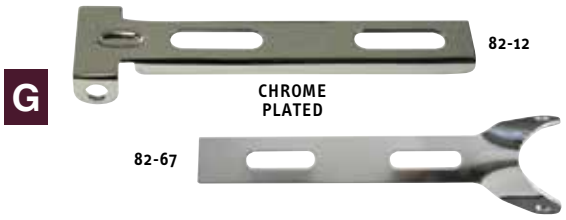
82-2 Replacement pin only. SOLD EACH



F. *SEAT CLEVIS PIN & SPRING*

Nice reproduction of seat pin and spring retainer used on all H-D® models with seat post, 1929 & later.

82-78 Seat clevis pin & spring. SOLD AS KIT



G. *UNIVERSAL SEAT BRACKETS*

Designed to fit most custom made seats. Made of heavy gauge steel.

82-12 A 1" x B 4-3/4" x C 1-3/4" x D 1-1/2". SOLD EACH

82-67 A 1-1/2" x B 4-1/4" x C 2" x D 1-1/2".



H. *SEAT POST ROD LOCK NUT & LOCKWASHER*

Cad plated nut and lockwasher fits all H-D® models, 1925 thru 1981, except FX & FL.

82-80 Kit. Replaces OEM 51674-25 nut. SOLD AS KIT

A. *SOLO SEAT MOUNTING BRACKETS*

These solo seat mounting brackets eliminate having to weld your own mounts.

82-71	For 74" H-D® swingarm.	SOLD AS KIT
82-75	For all custom FXST & FLST models.	SOLD AS SET
82-72	For 74" H-D® rigid.	SOLD EACH
82-73	For Sportster® H-D® swingarm.	SOLD EACH

B. *SEAT BOLTS*

Trash that ugly phillips screw on the back seat bracket and check out these **U.S.A. MADE** hold-down kits. A trick little add-on that looks sharp. Fits Big Twin & Sportsters®, all models thru 1995. Kits includes flat nylon washer & chrome washer.

41-22	1/4 - 28 Acorn seat bolt kit.	SOLD AS KIT
41-23	1/4 - 28 Allen seat bolt kit.	

C. *BOLT-ON SISSY BARS FOR H-D®*

These bolt-on sissy bars are available in 20" Lowboy style, come **complete with chrome side mount bracket**s and all mounting hardware.

68-100	20" Lowboy for Sportster® 1957-1978 with or without turn signals.

D. *PACK-RACK*

Chrome plated mini luggage rack is easily removed when not needed. Perfect for keeping pack from scratching up rear fender paint. Sturdy — made from square stock.

106-1	Fits all sissybars with holes in cross bar for inserts — center to center on rack mounting holes is 2-3/4". Hole size is 5/16".	SOLD EACH

E. *LUGGAGE RACK*

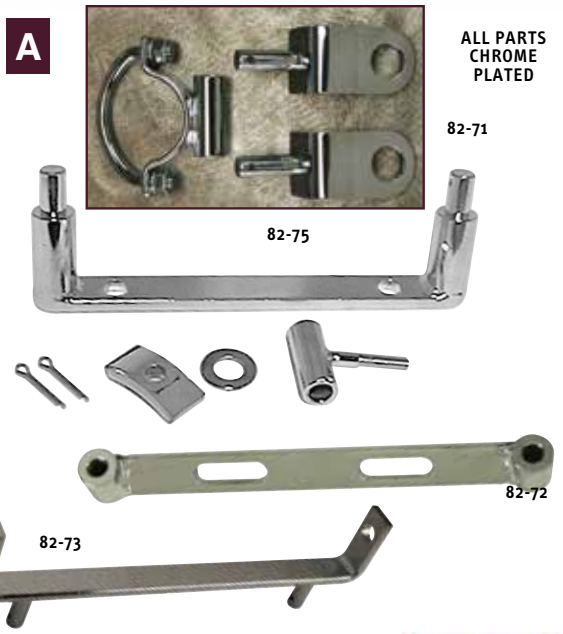
Chrome steel fender rack fits 2000 & later FXST, FXSTS & FXSTB.

121-7	Rack. Replaces OEM 56481-03	SOLD EACH

F. *FENDER RACK FOR HERITAGE® & FAT BOY®*

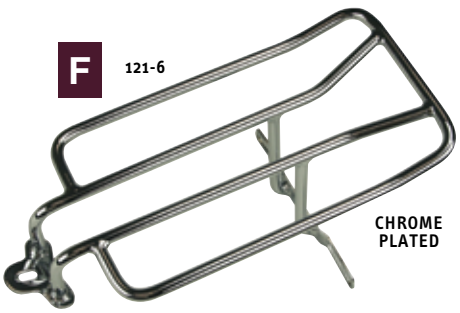
Chrome plated fender rack made from 3/8" steel tubing is perfect for tying up items and protecting paint. Easily installs to stock seat bolt and license plate bracket for quick mounting and removal.

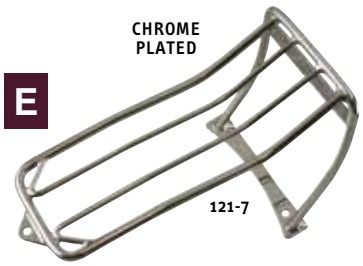
121-6	Fits Big Twin Heritage® & Fat Boy® models, 1986-2005.	SOLD EACH

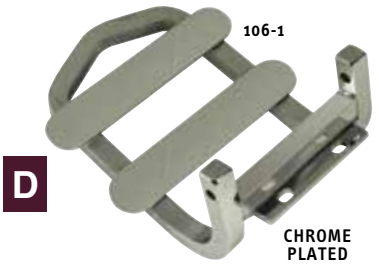












A. *LUGGAGE RACKS FOR SOLO BIKES*

Chrome plated steel racks for solo bikes.

1218 Fits 1995 thru 2003 XL.
121-10 Fits 1993 thru 2003 FXDWG.
121-11 Fits 1984 thru 1996 Softail®.
121-12 Fits 1997 thru 1999 Softail®.
121-13 Fits 2000 thru 2003 Softail®.

B. *FENDER RACK FOR FAT BOB®*

Chrome steel tubing contoured to match Fat Bob® fender. This rack keeps any pack you might tie up to the sissy bar from scratching up the rear fender paint. A good looking and functional accessory.

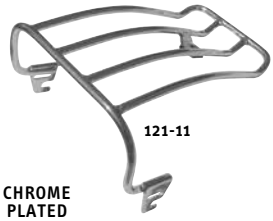
121-1 Fits all H-D® with Fat Bob® fender FXST, FXSTC, FXSTS and FX WG.

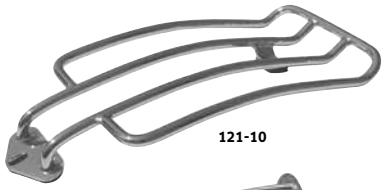
C. *LUGGAGE RACKS*

Chrome plated steel racks. **SOLD EACH**

12-19 Fits 94'-09' XL (8-1/2" L x 6"W)
121-20 Fits91'-05'DynaGlide(exceptFXDWG)(10"Lx6"W)
121-21 Fits 02'-05' FXDWG #56495-02
121-22 Fits 97'-05' FLHT, FLTR, FLHR, for solo rider
121-23 Fits 06'-UP FXST, FXSTB, FXSTS #60161-06
121-24 Fits 06'-UP FXDWG #56802-06
121-25 Fits 04'-UP XL stock
121-26 Fits 04'-UP XL custom
5'-UP FLSTF (Fat Boy)

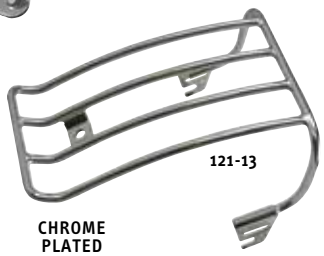




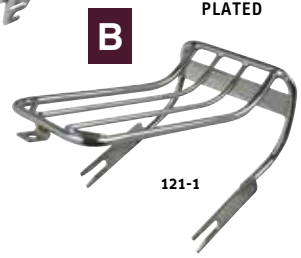


CHROME PLATED





CHROME PLATED





















TOURING



WINDSHIELDS, SADDLEBAGS, HELMETS & APPAREL

A. *DEFLECTOR SCREEN™ AND DEFLECTOR SCREEN DX™*

A



The Deflector Screen™ offers fatigue-reducing wind & bug protection, sharp styling and premium quality craftsmanship. The Deflector Screen features National Cycle's innovative Rake Adjust™ hardware, enabling you to change the angle of the screen without tools and without moving the mounting hardware. For 1" & 7/8" handlebars. 15" High, 15" wide. SOLD EACH

13-63 Medium tint Deflector Screen™.

NOTE: These parts will also fit Indian Scout 2002.

The Deflector Screen DX™ features rake adjustment and Quickset hardware, and is made from super tough hardcoated acrylic. The patented Quickset and No Hole Ballsocket hardware is designed for durability, ease of installation and hassle-free removal. The Quickset pivot handlebar mount features easy, no-tool removal or reinstallation, without adjustment, in seconds. The rotating Ballsocket mount allows for 360° rotation, and used in combination with the telescoping rake adjustment, allows for infinite fitment adjustment. 15-1/4" High, 15" wide.

13-95 Clear Deflector Screen DX™. SOLD EACH

NOTE: These parts will also fit Indian Scout 2002.

national cycle®

APPLICATION	YEAR	DEFLECTOR SCREEN™ MEDIUM TINT	DEFLECTOR DX™ CLEAR
XL MODELS			
XL1200C, XL883 Custom.	1996 & Later	**13-63**	**13-95**
XL1200S Sport	1996 & Later	**13-63**	**13-95**
XL 1100 Sportster®	1986 thru 1988	**13-63**	**13-95**
XLH-883, XLH1200 Sportster®	1994 & Later	**13-63**	**13-95**
XLH-883, XLH1200 Sportster®	1987 thru 1993	**13-63**	**13-95**
XLX 61"	1983 thru 1985	**13-63**	**13-95**
XR1000	1983 & 1984	**13-63**	**13-95**
XLS Roadster®	1979 thru 1985	**13-63**	**13-95**
FX MODELS Dyna Glide® Low Rider®			
FXDWG Dyna Wide Glide®	1993 & Later	**13-63**	**13-95**
FXD, FXDL, FXDX (Dyna®)	1993 & Later	**13-63**	**13-95**
FXDS Convertible	1994 thru 2000	**13-63**	**13-95**
Dyna Low Rider®	1994 thru 2000	**13-63**	**13-95**
FXLR Low Rider® Custom	1987 thru 1994	**13-63**	**13-95**
FXR, FXRS Super Glide®, Low Rider®	1982 thru 1994	**13-63**	**13-95**
FXWG Wide Glide®	1980 thru 1985	**13-63**	**13-95**
FXDG Disc Glide®	1983	**13-63**	**13-95**
FXS, FXSB Low Rider®	1977 thru 1985	**13-63**	**13-95**
FX, FXE, FXEF Super Glide®, Fat Bob®	1970 thru 1985	**13-63**	**13-95**
FX MODELS Softail®			
FXSTD, FXSTDI Softail Duece®	2000 & Later	**13-63**	**13-95**
FXSTB, FXSTBI Night Train®	1999 & Later	**13-63**	**13-95**
FXSTC Softail® Custom	1987 thru 1999	**13-63**	**13-95**
FXSTS Springer®	1989 & Later	**13-63**	**13-95**
FXSTSB Bad Boy®	1989 & Later	**13-63**	**13-95**
FL MODELS Softail®			
FLSTF Fat Boy®	1990 & Later	**13-63**	**13-95**
FLSTC Heritage Softail® Classic	1987 & Later	**13-63**	**13-95**
FLST Heritage Softail®	1986 thru 1990	**13-63**	**13-95**
FLSTN Nostalgia®	1993	**13-63**	**13-95**
FLSTH(N) Heritage Softail® Special	1994 thru 1996	**13-63**	**13-95**
FL MODELS			
FLHR Road King®	1994 & Later	**13-63**	**13-95**
FLHRI Road King®	1996 & Later	**13-63**	**13-95**
FLHRIC Road King® Classic	1996 & Later	**13-63**	**13-95**
FL MODELS Duo Glide®			
FLHS Electra Glide® Sport	1977 thru 1993	**13-63**	**13-95**
FL Hydra/ Duo Glide®	1949 thru 1959	**13-63**	**13-95**
FL Duo Glide®, Electric Glide®	1960 thru 1984	**13-63**	**13-95**

HEAVY DUTY WINDSHIELDS

National Cycle's classic windshield, made from the finest materials available. Featuring 3-piece construction — a crystal clear upper and a colored lower section with an adjustable center window. Made entirely of Lexan® polycarbonate. The top portion has been hard coated for superior scratch resistance & shine. Continue in this section for info about window styles.



13-71
RANGER

The **Ranger Heavy Duty** is a low profile windshield cut with narrow proportions. Made of very light grey, super tough GE Lexan® polycarbonate, hard-coated for superior scratch resistance. High-luster chrome straps and an adjustable center window add to its rugged good looks. 13-1/2" - 15-1/2" High, 16-1/2" wide. Order proper mounting kits separately.

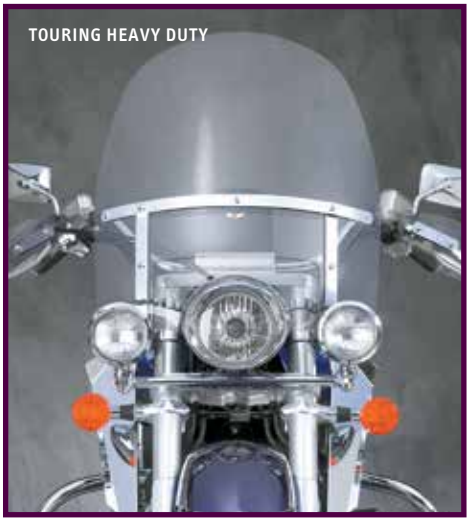
13-71 Ranger Heavy Duty. SOLD EACH

13-70
CUSTOM



The **Custom Heavy Duty** is identical to the Ranger — made of very light grey, super tough, hard-coated, GE Lexan® polycarbonate, with high-luster chrome straps and an adjustable center window — only larger. 18-1/2" - 20-1/2" High, 19-1/2" wide. Order proper mounting kits separately.

13-70 Custom Heavy Duty. SOLD EACH



The **Touring Heavy Duty** offers maximum protection on the road. Features hard-coated Lexan® polycarbonate for superior scratch resistance, an adjustable center window, and high-luster chrome strapping. 20-1/2" - 23-1/2" High, 21-1/2" wide. For FLHS, you must order the proper fitting replacement window additionally. Mounting kits are also sold separately. Be sure to order the kit you need.

13-66 Light tint windshield, window style A. SOLD EACH

HEAVY DUTY WINDSHIELD HARDWARE KITS

APPLICATION	YEAR	HARDWARE KIT
FX MODELS — Softail®		
FXSTS Springer Softail®	1989 & Later	None required
FXSTSB Bad Boy®	1995 thru 1997	None required
FL MODELS Hydra / Duo / Electra		
FL Hydra/ Duo Glide®	1949 thru 1959	**13-79**
FL Duo Glide Electric Glide®	1960 thru 1984	**13-79**
FLHS Electra Glide® Sport	1977 thru 1993	**13-79** (NOTE 15)
FL MODELS Softail®		
FLSTF Fat Boy®	1990 & Later	**13-77**
FLSTC Heritage Softail® Classic	1987 & Later	**13-77**
FLSTH(N) Heritage Softail® Special	1994 thru 1996	**13-77**
FLSTN Nostalgia®	1993	**13-77**
FLST Heritage Softail®	1986 thru 1990	**13-77**

NOTE 15: Requires original equipment windshield frame brackets or equivalent and FLHS window.

HEAVY DUTY WINDSHIELDS, WIDE FRAME

APPLICATION	YEAR	TOURING HDW. KIT	TOURING SHIELD PART NO.	CHOPPED HDW. KIT
FX MODELS — Softail®				
FXSTD/FXSTDI Softail® Duece®	2000 & Later	—	**13-66**	—
FXST/FXSTI Softail® Standard	1984 thru 90 and 1999 & Later	—	**13-66**	—
FXSTB/FXSTBI Night Train®	1999 & Later	—	**13-66**	—
FXSTC Softail® Custom	1987 thru 1999	—	**13-66**	—
FX MODELS Dyna Glide®				
FXDWG Dyna Wide Glide®	1993& Later	—	**13-66**	—
FXWG Wide Glide®	1980 thru 1985	—	**13-66**	—
FXDG Disc Glide	1983	—	**13-66**	—
FL MODELS Hydra / Duo / Electra				
FL Hydra/ Duo Glide®	1949 thru 1959	**13-79**	**13-66**	**13-79**
FL Duo Glide Electric Glide®	1960 thru 1984	**13-79**	—	**13-79**
FLHS Electra Glide® Sport	1977 thru 1993	—	**13-66** (NOTE 15)	—
FL MODELS Softail®				
FLSTF Fat Boy®	1990 & Later	**13-77**	**13-66**	**13-77**
FLSTC Heritage Softail® Classic	1987 & Later	**13-77**	**13-66**	**13-77**
FLSTH(N) Heritage Softail® Special	1994 thru 1996	**13-77**	**13-66**	**13-77**
FLSTN Nostalgia®	1993	**13-77**	**13-66**	**13-77**
FLST Heritage Softail®	1986 thru 1990	**13-77**	**13-66**	**13-77**

NOTE 10: Requires original equipment windshield frame brackets or equivalent.
NOTE 15: Requires original equipment windshield frame brackets or equivalent and FLHS window.

HEAVY DUTY WINDSHIELDS, NARROW FRAME

national cycle®

APPLICATION	YEAR	RANGER™ HDW. KIT	RANGER™ SHIELD PART NO.	CUSTOM™ HDW. KIT	CUSTOM™ SHIELD PART NO.
XL MODELS Sportster®, XR					
XLH Sportster®	1957 thru 1998	**13-75**	**13-71**	**13-75**	**13-70**
XL1200C, XL883C Sportster®	1996 & Later	**13-75**	**13-71**	**13-75**	**13-70**
XL1200S Sport	1996 & Later	**13-75**	**13-71**	**13-75**	**13-70**
XL 1100 Sportster®	1986 thru 1988	**13-75**	**13-71**	**13-75**	**13-70**
XLH-883, XLH1200 Sportster®	1994 & Later	**13-75**	**13-71**	**13-75**	**13-70**
XLH-883, XLH1200 Sportster®	1987 thru 1993	**13-75**	**13-71**	**13-75**	**13-70**
XLX 61"	1983 thru 1985	**13-75**	**13-71**	**13-75**	**13-70**
XR1000	1983 thru 1984	**13-75**	**13-71**	**13-75**	**13-70**
XLS Roadster®	1979 thru 1985	**13-75**	**13-71**	**13-75**	**13-70**
FX MODELS Dyna Glide® Low Rider®					
FXDWG Dyna Wide Glide®	1993 & Later	—	**13-71**	—	**13-70**
FXD, FXDL, FXDX (Dyna®)	1993 & Later	**13-75**	**13-71**	**13-75**	**13-70**
FXWG Wide Glide®	1980 thru 1985	—	**13-71**	—	**13-70**
FXDG Disc Glide®	1983	—	**13-71**	—	**13-70**
FX, FXE, FXEF Super Glide®	1970 thru 1985	**13-75**	**13-71**	**13-75**	**13-70**
FXS, FXSB Low Rider®	1977 thru 1985	**13-75**	**13-71**	**13-75**	**13-70**
FXLR Low Rider® Custom	1987 thru 1994	**13-75**	**13-71**	**13-75**	**13-70**
FXR, FXRS Low Rider®	1982 thru 1994	**13-75**	**13-71**	**13-75**	**13-70**
FXDS Convertible Dyna Low Rider®	1994 thru 1999	**13-75**	**13-71**	**13-75**	**13-70**
FX MODELS Softail®					
FXSTD, FXSTDI Softail Duece®	2000 & Later	—	**13-71**	—	**13-70**
FXSTB, FXSTBI Night Train®	1999 & Later	—	**13-71**	—	**13-70**
FXST, FXSTI Softail® Standard	1984 thru 1990 and 1999& Later	—	**13-71**	—	**13-70**
FXSTC Softail® Custom	1987 thru 1999	—	**13-71**	—	**13-70**
For mounting to 37.1mm to 41mm forks		—	**13-71**	—	**13-70**
For mounting to 37.mm and under forks		**13-74**	**13-71**	**13-74**	**13-70**

VSTREAM® WINDSHIELDS

National Cycle's NEW VStream® Windshields have turned the motorcycle windshield world upside down — literally! The unique inverted "V" profile creates a quiet and comfortable riding experience unequalled by any windshield on the market. If you're looking for a sport-touring windshield that WORKS... look no further than National Cycle's VStream! All measurements are from center bolt to the top of the shield. SOLD EACH

13-46 Vstream®, 10.75" dark tint, FLH bat wing fairing.
13-47 Vstream®, 7.25" dark tint, FLH bat wing fairing.
13-53 Vstream®, 21.75" clear, FLT fairing, early models.
13-56 Vstream®, 15.75" dark tint, FLT fairing, early models.

national cycle®



13-47



13-50

12

A



STOCK STYLE

A. *REPLACEMENT WINDSHIELDS FOR FLH & FLHT/C FAIRINGS*

National Cycle's popular replacement screens are known for their superior optics and precision drill holes. Made of hard coated Lexan® polycarbonate for lasting shine and durability. National Cycle was the first to offer the chopped version of these screens — today they are the favorite among many riders. **NOTE:** Height is measured from center of mount hole to top of screen.

FLHT, FLHTC, FLHTCU Electra Glide® 1986 thru 1995 fairing.

13-18 17.25" (30 cm) Standard height clear screen. SOLD EACH

B



B. *AIR DEFLECTORS FOR TOURING MODELS*

These mid-frame air deflectors are tested for severe duty & extreme temperature applications. They attach to the frame below the seat and direct heat away from the rider to improve comfort on hot summer rides. Easy to install w/all hardware included. For 01'-later touring models, does not fit models equipped w/adjustable rider backrests.

13-110 Black mid-frame air deflector kit. SOLD AS KIT

C



C. *RADIO FAIRING KIT* NEW!

Light weight & durable fiberglass fairing for Road King 1994-present, Softail®, Heritage & Fatboy 1986-2010 & custom applications. Smooth finish is ready for paint. Comes undrilled. Brackets included.

SOLD AS KIT

★13-90 Radio fairing with windshield & mounting brackets





D. *FAIRING SHELL*

Light weight & durable fiberglass fairing for 1997-2011 touring models & custom applications when superior wind protection is needed. Smooth finish is ready for paint. Comes undrilled. Brackets not included.

13-99 Fairing . Uncut, shell only. SOLD EACH
13-111 Fairing . Cut, shell only. SOLD EACH

D



13-99



13-111

E. *HEADLIGHT FAIRING W/WINDSHIELD* NEW!

Gloss black headlight fairing with tinted windshield. Mounts to 7" headlight (windshield screws included).

★13-20 Headlight fairing w/windshield. SOLD EACH
★13-21 Replacement windshield only. SOLD EACH

E



13-20



13-21

A. *COMPLETE 250 WATT AUDIO SYSTEM*

These complete motorcycle audio systems include a 250 watt amplifier w/FM radio built in, 2 water-proof speakers & 2 full feature remote controls (one hard wired, one infra-red remote).
The amp/receiver also has an SD card input, a USB slot & an aux. input for various media players.
All necessary wires & easy install instructions are included.

89-705 Complete audio system. Chrome. SOLD EACH
89-706 Complete audio system. Black. SOLD EACH
89-707 Heavy duty speaker mount handlebar clamps (7/8"- 1-1/4" hdlbrs). Chrome. SOLD AS PAIR
89-708 Heavy duty speaker mount handlebar clamps (7/8"- 1-1/4" hdlbrs). Black. SOLD AS PAIR

89-709 3" audio speakers. Chrome. SOLD AS PAIR
89-710 3" audio speakers. Black. SOLD AS PAIR

A





B. *UNIVERSAL HANDLEBAR CLAMP*

Universal mount for use with 3/4", 7/8" & 1" bars.

66-72 Chrome clamp. SOLD AS SET

C. *UNIVERSAL HANDLEBAR CLAMP*

Universal mount for use with 1" bars.

66-94 Chrome clamp. SOLD EACH





D. *BLACK TIE DOWN/BUNGEE CORDS*

Highest quality material. Black color. Superior tension, full 3/8" diameter, steel capped ends and extra strong plastic covered hooks.
NOTE: All measurements shown are end to end.

55-7 Single strap, 24" long. SOLD EACH

E. *MAXIMUM SECURITY BOLTDOWN*

Boltdown is a maximum security ground anchor turned from a solid steel bar, case-hardened and then show chromed. Will last a lifetime no matter how many times you move it to a new location. Bolt it to your trailer to secure bikes and bolt it back in the garage when home. Guaranteed for life. Patent & patent infringement insured.

102-21 Adapter ring. Sits on top of the cap to make the padlock hole smaller to prevent access to the anchoring bolts. Use two if possible. For example, eyelet hole dia. with 1 adapter ring installed 25.4mm, or with 2 adapter rings installed 13.5mm. SOLD EACH



B



CHROME PLATED

C



E



D



BLACK

ANCRA INTERNATIONAL

A



55-23 WITH SOFT HOOK



B

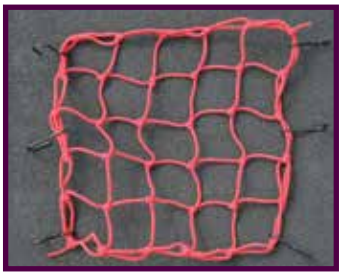
C



D



E





12

TIE DOWNS AND ACCESSORIES

The place to look for quality is in the details. Ancra hooks are electro-statically applied with vinyl for long lasting, hard work without slipping or twisting. The breaking strength figure is for the whole assembly, not just the webbing. The working load capacity lets you know the appropriate day-to-day load limits to get the maximum safety and longevity from a tiedown system. **U.S.A. MADE**

A. THE ORIGINALS

Here are the original tow-quality tiedowns. Both feature one-inch, 4500 lb. tensile-strength nylon webbing with sewn hand loops to aid in cinching. Vinyl-coated S-hooks protect paint and chrome and Ancra's patented cam buckle locks webbing securely to avoid slippage. Minimum breaking strength is 1200 lbs., with a working load capacity

SOLD AS PAIR

55-23 Black with built-in soft hook.

B. BIG BIKE STRAPS

Big Bike Straps offer extra strength to handle large loads with the piece of mind they will stay secure. Straps are 1.5" wide with a 5-1/2 foot overall length and a working load capacity of 600 lbs. The gradual release ratchet offers a patented ratchet bucket that allows a controlled gradual release. SOLD AS PAIR

55-25 Cam buckle straps, black.

C. RAT PAK

By popular request, a twin-pack of tiedowns featuring Ancra's famous Mini-Ratchet I buckle on 4500 lb. wear resistant nylon webbing. Each strap features one vinyl-coated and one zinc-coated S-hook. Each strap is rated at 1200 lbs. with a working load capacity of 400 lbs. 66 Inches long.

55-19 Black Rat Pak. SOLD AS PAIR

55-24 Black with built-in soft hook.

D. SOFT HOOK EXTENSIONS

The best protection for paint and chrome known. Loop this one-inch nylon webbing around handle bars, fork braces or rear seat rails and insert a tiedown hook – metal-to-metal contact is completely eliminated. Also acts as a tiedown extension. Rated at 1200 lbs. breaking strength with a 400 lb. working load capacity per strap.

55-16 Black 18" extension. SOLD AS PAIR

55-17 Black 12" extension.

E. CARGO NETS

Cargo nets are the hot step up for things that are hard to strap on with conventional bungee cords. Perfect for helmets and larger, awkward items. 15" x 15" With six hooks which are coated to help prevent scratches.

55-8 Black cargo net. OEM 98170-88T. SOLD EACH

55-9 Red cargo net.

WILD RIDER EXPRESS

A. SISSYBAR CASE W/ROAD TRAVEL BAG

Universal design for various back rest sizes

74-114 Studded style w/travel case, buckles & chonchos. 22" x 12" x 12.5". SOLD AS SET



B. STUDDED SADDLEBAGS

These bags are perfect for daily use and come in 3 different sizes to choose from! Conveniently mounts to almost any motorcycle. Weather resistant, composite construction. SOLD AS SET

74-348 X-Large Saddlebag. 18" x 11-1/2" x 6-1/4". Composite construction, lockable roller buckles, chrome studs.



C. QUICK RELEASE SADDLEBAGS

Quick release saddle bag with studs and concho. SOLD AS SET

74-401 10" x 18" x 6"



Durable Quick Release Buckles



74-401



Zipper system on both styles of saddlebags.

D. X-LARGE SADDLEBAGS
SMOOTH MATTE/DULL FINISH

74-411 X-Large studded style. 19" x 6" x 15". SOLD AS SET

E. X-LARGE SADDLEBAGS
GRAIN FINISH

74-412 X-Large plain style. 19" x 6" x 15". SOLD AS SET

F. SISSYBAR BAG

Simple & stylish, plus a great size for anytime use. 11" x 9-1/2" x 4-1/2" (470 cubic inch) capacity. Rigid construction maintains bag shape when empty. SOLD EACH

74-323 Sissybar bag. Secure lid closure by hook & loop.







12

A



BLACK COWHIDE, RIGHT SHOWN



MAHOGANY BROWN COMPOSITE, LEFT



BLACK COMPOSITE, RIGHT SHOWN



BROWN COWHIDE, LEFT SHOWN

A. *SINGLE SIDE SADDLEBAGS*

Single side saddlebags for Softail® or Rigid applications. Adjustable buckes attached from back.

THICK: 9-1/2" X 14" X 4".

74-49	Right side, Brown Cowhide.	SOLD EACH
74-55	Right side, Black Cowhide.	
74-57	Right side, Black composite construction.	
74-59	Right side, Mahogany Brown, composite construction.	
74-48	Left side, Brown Cowhide.	
74-54	Left side, Black Cowhide.	
74-56	Left side, Black composite construction.	
74-58	Left side, Mahogany Brown, composite construction.	

THIN: 9-1/2" X 14" X 3".

74-50	Left side, Black Cowhide.	SOLD EACH
74-51	Right side, Black Cowhide.	
74-52	Left side, Black composite construction.	
74-53	Right side, Black, composite construction.	

ACE LEATHER

B. *"CRUISER LINE" SADDLEBAGS*

NON TEAR DURA-HIDE A SYNTHETIC MATERIAL

Cruiser saddlebags are made from Dura-Hide for an extremely solid bag. Each bag features chrome accent spots, heavy star concho, thick closure straps with roller buckles, chrome accent spots and black welt trim. **U.S.A. MADE.** SOLD AS SET

74-235 Cruiser saddlebags with concho and chrome accent spots: 14" x 6" x 11".

C. *SADDLEBAG GUARD RAIL KITS*

These saddle bag guard rail kits are custom made from heavy duty steel tubing & are beautifully chrome plated. They are a great dress kit which adds protection against unwanted damage to your saddle bags. Each kit comes with rear saddle bag guards, side rails, mounting hardware & instructions for easy installation. Fits 97' & later FLHT, FLHR, FLHTCUSE 1/2/3 & 98'-03' FLTR models.

74-425 Chrome saddle bag guard rail dress kit. SOLD AS KIT
RPLS 91216-97.

B



C



A. *SADDLEBAG SUPPORTS*

Supports help prevent interference with the brake caliper and swing arm.

74-61 Fits FL & FX, 1958 thru 1986 (except FXST). OEM 90584-85. SOLD AS KIT
74-62 Fits FXR 1982 thru 1994 (except FXRT). OEM 90587-85A.
74-60 Fits FXST 1984 & later. OEM 91790-84.
74-63 Fits Sportster® 1982 thru 1993. OEM 90799-86.
NOTE: 1982 Thru 1989 requires use of a directional signal relocation kit.
74-65 Fits XL models 1994-2003. OEM 90799-94.

B. *SADDLEBAG SUPPORTS FOR DYNA®*

Chrome plated saddlebag support kit.

74-352 Fits Dyna® models 1991 thru 2005. SOLD AS KIT

C. *SADDLEBAG SUPPORT KITS*

Chrome saddlebag support kits. SOLD AS KIT

74-300 Fits 91'-08' FXD/FXDWG (except 08' FXDF).
74-301 Fits 58'-86' FL.
74-302 Fits 00'-07' FXST/FLST (except FXSTD, 07' FXSTC) (Single bolt mount).
74-303 Fits 00'-05' FXst & 00'-07' FLST (except FXSTD, 07' FLSTF) (Two bolt mount).
74-304 Fits 06'-07' FXST, 07' FLSTF.

D. *SPORTSTER SADDLEBAG SUPPORTS*

74-160 Chrome saddlebag support bracket kit, fits 04'-05' XL. SOLD AS KIT

E. *SIDE COVER TRIM RAILS*

These custom side cover trim rail sets are made from quality welded steel rod, hand polished & beautifully chrome plated. This kit includes left & right chrome side cover trim rails and all necessary mounting hardware. Fits 93'-later Touring models.

74-426 Chrome side cover trim rail set. SOLD AS KIT

A



74-61



74-62



74-63

ALL PARTS CHROME PLATED



74-60

B



C



74-300

E

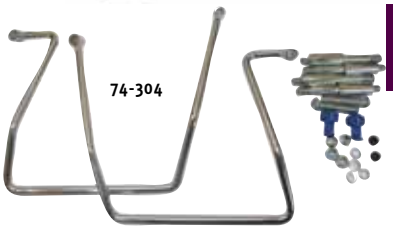


D





74-301



74-304

12

A



A. *QUICK RELEASE HELMET BUCKLE*

This is a fast & convenient way to buckle/unbuckle your helmet chin strap. Exceeds safety & durability standards in both DOT 218 and *Z90.1 1992 (*same testing requirements as Snell). Patented (Patent No. 4,559,679) laboratory tested design features construction of tempered steel & high impact nylon. Metal-to-metal locking feature. Easy assembly with included instructions.

61-1 Black Quick Release Helmet Buckle. SOLD EACH

FOR BEST PRICE BUY BOX OF TWELVE

B



B. *FULL FACE HELMETS*

Meets or exceeds Snell & DOT. Lightweight fiberglass composite shell. Adjustable scalp & chin vents. Adjustable rear exhaust with aerodynamic spoiler. Plush removable / washable interior with excellent fit. Clear toolless ratcheting shield.

SIZE	BLACK	FLAT BLACK	
X-Small	**61-101**	**61-107**	SOLD EACH

C



C. *OPEN FACE HELMETS*

DOT Approved. Lightweight fiberglass shell shaped for stability. Adjustable scalp ventilation. Plush removable / washable snap-in, moisture absorbent interior. Aerodynamic visor with 3 snaps. D-ring fastener with padded strap.

61-60 Small, flat black. SOLD EACH

Visor for above open face helmets.

61-117 Black visor only. SOLD EACH

D



D. *GORILLA CYCLE ALARM*

Designed just for motorcycles, with the protection to keep your bike safe from theft 24 hours a day. Press the transmitter button and guard against hot wiring, lifting, or rolling your bike away.

- Current drain sensor stops hot wiring by activating the alarm when there is a current drop in the electrical system.
- Motion tilt sensor activates the alarm when motorcycle is moved off of its side stand.
- Shock sensor; any impact to the motorcycle will activate the alarm. Set the sensitivity to any of the 7 different levels depending on your surroundings.

More features than any other cycle alarm out there! Limited 2 year warranty. Do-it-yourself friendly! Installs in minutes with no special tools. Simple Direct-to-Battery™ wiring takes less than 20 minutes. Ultra compact size fits virtually all makes and models. The alarm unit measures a mere 3" x 3.5" x 1.75" and is perfect for both stock and custom bikes where space is limited. Compatible with all motorcycle electrical systems and will not drain the battery even over long periods of storage.

The new model #7007 includes all the same features as #6007 model (now discontinued) plus the ability to expand into a 2-way system for added security. The new model #7017 comes complete with 2-way system. The #1017 is 2-way system sold separately to expand the #7007.

102-27 Cycle alarm with remote transmitter Model #7007 SOLD EACH

A. *SCOOTER JACKET*

Men's sizes below, see Woman's Jackets for Women's sizes.

59-485 38 Small, men's.
59-486 40 Medium, men's.
59-493 54 XX-L, men's.



B. *REBEL RACER JACKET*

Cowhide Jacket features snap collar, orange racing stripe and quilted lining.

59-601 42 Medium, men's.
59-604 48 X-Large, men's.
59-605 50 X-Large, men's.





C. *DRIFTER JACKET*

Police style jacket with adjustable laced sides. Features high quality black genuine cowhide with belted front, YKK zippered front flap, zippered sleeves & pockets, zip-out removable quilted lining, inside pocket, locker loop, snap epaulets, bi-swing back, rear lower panel, and leather bottom facings.

59-326 38 Small.



D. *BLACK LEATHER JACKET WITH RED, WHITE AND SILVER PANELS*

Kevlar inserts on upper chest and upper back. Mandarin style collar, with zip out liner.

107-206 38 Small, men's.
107-207 40 Medium, men's.
107-208 42 Medium, men's.
107-209 44 Large, men's.
107-210 46 Large, men's.
107-211 48 X-Large, men's.
107-213 52 XX-Large, men's.
107-214 54 XX-Large, men's.



E. *LEATHER HOODY JACKET*

Cowhide jacket with hood . One inside pocket, fully lined, two side pockets and front zipper

59-610 42 Medium, men's.
59-611 44 Large, men's.
59-617 56 XXX-L, men's.



F. *ENFORCER JACKET W/SPANDEX, VENTS & KIDNEY BELT*

Wild Rider® Leathers has side Spandex, kidney belt, two front and back vents and full lining.

59-459 36 Small, men's.
59-460 38 Small, men's.
59-461 40 Medium, men's.
59-462 42 Medium, men's.





A. *CHILD'S JACKET*

Wild Rider® Leathers new Children's police style jackets features the same high quality black finished split leather, belted front, YKK zippered front flap, sleeves & pockets, and leather bottom facings.

SOLD EACH

59-181 Child's size Small.



B. *RENEGADE JACKET*

Black genuine cowhide has a band collar that closes with a Wild Rider® brass snap, adjustable side lacing, and YKK zippers with leather pull tabs on the vented upper chest, zippered sleeves & pockets. Details include shoulder patches, bi-swing back, reinforced kidney area, leather bottom facing, rear belt-securing strap, and snap-out removable 3M Thinsulate™ lining.

59-165 38 Small, men's.
59-167 44 Large, men's.
59-168 46 Large, men's.
59-169 48 X-Large, men's.
59-172 54 XX-L, men's.
59-173 56 XXX-L, men's.



C. *POLICE MOTORCYCLE JACKET*

Wild Rider® Leathers police style jackets in high quality black finished split leather feature belted front, YKK zippered front flap, zippered sleeves & pockets, bi-swing back, reinforced rear lower back support panel, inside pocket, and quilted lining with leather bottom facings.

59-101 38 Small, men's.



D. *PHANTOM*

This highly sleek and stylish mens racing jacket is perfect for any occasion and just right for the man that wants to make a style statement! This high quality leather jacket is very durabale and also soft to allow for maximum comfort when worn. The jacket features a zip-up front, a stylish and trendy Mandarin style snap collar and a silver perforated stripe to allow for proper ventilation. There are also two front zippered pockets, zipper detailing on the sleeve cuffs, a liner and protective padding.

59-722 54 XX-Large, men's.



E. *CANYON*

This stylish and trendy mens racing jacket is the right choice for anyone serious about racing or riding. The jacket features a sleek color combination of black with orange and white racing stipes, a strip of perforation to allow for ventilation, a zip-up front and a stylish and modern Mandarin snap collar. The jacket also has two side zippered pockets, zipper detailing at the sleeve cuffs, adjustable side belts and a zip-out liner.

59-712 54 XX-Large, men's.

A. *AVENGER*

Our sleek and stylish Avenger jacket is definitely the height of style! The Avenger is made from top quality Cowhide leather and comes in a sporty black leather with white racing detail. The jacket itself features two front zippered pockets, zippered vents on the front and back to allow for proper ventilation and comfort, spandex on the sides, adjustable side buckles for comfort and proper fit, a zip-up front and a trendy and modern Mandarin style collar. The jacket also features padding in the shoulders. This jacket is perfect for any occasion and can be worn day or night. If you want to look good while riding or racing, this is the jacket for you!

59-730 Small.
59-731 Medium.



B. *FIRE JACKET*

A true bikers jacket, our Fire Jacket is perfect for those serious about riding and hitting the road in style! This racing jacket is made from the highest quality Cowhide leather and features a sleek flame design on the sides and sleeves of the jacket. Other features of the jacket are a full lining, inside pocket, two zippered pockets, a zip-up front, zipper detailing on the sleeve cuffs and a trendy and modern Mandarin style snap collar. This jacket will definitely get you noticed!

59-695 38 Small, men's.
59-696 40 Medium, men's.
59-697 42 Medium, men's.
59-698 44 Large, men's.
59-703 54 XX-Large, men's.



C. *DAYTONA KNIGHT JACKET*

The Daytona Knight jacket is made of a waterproof nylon material with leather pads on shoulder and elbow areas for proper protection and comfort. The jacket also features two front zippered pockets, a zip-out liner, EC approved body armor, a zip-up front, adjustable side snaps and a trendy Mandarin style velcro collar.

59-743 Small.
59-744 Medium.
59-745 Large.
59-746 X-Large.



D. *BLUE THUNDER RACING JACKET*

This high quality Blue thunder leather racing jacket features a snap collar, blue piping with black and blue leather and inside lining. The jacket also features two front and side zippered pockets and it has zippers on the sleeve ends. This jacket is perfect for any biking enthusiast!

107-319 38 Small, men's.
107-323 46 Large, men's.
107-328 56 XXX-Large, men's.



E. *STORM RACING JACKET*

This highly sleek and stylish mens racing jacket is perfect for any occasion and just right for the man that wants to make a style statement! This high quality leather jacket is very durabale and also soft to allow for maximum comfort when worn. The jacket features a zip-up front, a stylish and trendy Mandarin style snap collar and a white perforated leather to allow for proper ventilation. There are also two front zippered pockets, zipper detailing on the sleeve cuffs, a liner and protective padding.

59-750 Small.
59-751 Medium.
59-753 X-Large.
59-754 XX-Large.
59-755 XXX-Large.








GRAN-PRIX RACING JACKETS

Our sleek and stylish racing jacket is definitely the height of style! The racer is made from top quality Cowhide leather and comes in a sporty black leather with racing detail - pick which color fits you best! The jacket itself features two front zippered pockets, an adjustable velcro tab at the waist to allow for the perfect fit, zipper detailing on the sleeves, a zip-up front and a trendy and modern Mandarin style collar. The jacket also features padding in the shoulders. This jacket is perfect for any occasion and can be worn day or night. If you want to look good while riding or racing, this is the jacket for you.

YELLOW STRIPE

107-215	Small.
107-216	Medium.
107-217	Large.
107-218	X-Large.
107-219	XX-Large.
107-220	XXX-Large.

SILVER STRIPE

107-221	Small.
107-222	Medium.
107-224	X-Large.
107-225	XX-Large.
107-226	XXX-Large.

RED STRIPE

107-227	Small.
107-228	Medium.
107-229	Large.
107-230	X-Large.
107-231	XX-Large.
107-232	XXX-Large.

ORANGE STRIPE

107-233	Small.
107-234	Medium.



WIND RIDER - NYLON JACKETS

Our Wind Rider jackets are lightweight, perforated nylon jackets are perfect for any climate and feature a zip-up front, a stylish Mandarin style snap collar, nylon mesh in a sporty black and your choice of color combination, a zip-out liner and two front zippered pockets.

The jacket also has adjustable buckles on the sleeves, adjustable Velcro buckles at the waist for the perfect fit and zippers on the sleeve cuffs. Our jackets also allow for maximum protection with Kevlar padding in the elbows, shoulders and back and Scotchlite reflective material for added safety. The Wind Rider is stylish, trendy and perfect for the rider who wants to set themselves apart from the rest of the pack!

SIZE	ALL BLACK	BLACK W/ BLUE	BLACK W/ ORANGE	BLACK W/ RED	BLACK W/ YELLOW	BLACK W/ WHITE
Small	—	—	107-291	107-277	107-284	107-312
Medium	—	107-299	107-292	107-278	107-285	107-313
Large	—	—	—	107-279	107-286	107-314
X-Large	—	107-301	—	107-280	107-287	107-315
XX-Large	—	—	107-295	107-281	107-288	107-316
XXX-Large	—	107-303	107-296	—	107-289	107-317
XXXX-Large	107-311	—	107-297	—	107-290	107-318

A. *STINGER RACING JACKET*

Our Stinger Racing Jacket is made from top quality Cowhide and features a sporty black, yellow are white color combination. The jacket also has two front zippered breast pockets, kidney belt, zip-up front with a snap closure flap cover and a zip-out liner. The jacket also has a trendy and modern Mandarin style snap collar, snap detailing on the sleeve cuffs, padding and a zippered vent in the back. This jacket is hot and perfect for any racing fan.

107-329	40 small, men's.	**107-334**	50 XX-Large, men's.
107-330	42 Medium, men's.	**107-335**	52 XX-Large, men's.
107-332	46 X-Large, men's.	**107-336**	54 XXX-Large, men's.
107-333	48 X-Large, men's.	**107-337**	56 XXX-Large, men's.



B. *BANDIT JACKET*

This racing jacket is sleek and stylish and the perfect addition to any biking enthusiasts wardrobe. Our racing jacket is made from the highest quality leather that is durable and can weather all elements. It has a sporty and sleek black, grey and white color combination and also features a zip-up front, a zip-out liner, zippered pockets, adjustable velcro side buckles, zippered sleeve accents, a velcro tab at the neck and a trendy, stylish Mandarin collar.

59-756	40 Medium, men's.	**59-761**	50 X-Large, men's.
59-757	42 Medium, men's.		
59-759	46 Large, men's.		



C. *BOMBER STYLE JACKET*

This jacket is made from high quality Cowhide and features a zippered chest pocket, side/front pockets, & a zip up front. Sizes S-2XL.

BLACK LEATHER
59-10 Small, 36-38



D. *FORCE JACKET*

For the racing fan that wants to be sleek and stylish, our Men's Force Jacket is perfect! This jacket is made from high quality Cowhide and features a zip-up front, protective padding throughout the jacket to ensure safety, a trendy Mandarin style snap collar, two zippered front pockets, zipper detailing at the sleeve cuffs and side straps to allow for the perfect fit. With this jacket, you'll be able to ride in style and be safe.

107-386 Small.



E. *RAINSUITS*

This high quality two piece rainsuit features a sporty and sleek black and your choice of color combination. Allows for maximum protection in any wet element. Features a zip-up front with a cover flap, a trendy Mandarin style collar, adjustable side straps at the waist to allow for the perfect fit and elastic gathered sleeve cuffs. The pants to the suit are a sleek solid black with a large pocket in the front and elastic gathered hems. This rainsuit will definitely protect against any bad weather.

SIZE	BLACK W/ GRAY	BLACK W/ RED
Small	**59-530**	––
XXX-Large	––	**107-245**







COBRA RACING JACKETS

One of our new items, our Racer is sure to be a huge hit! Our sleek and stylish racer features top quality black Cowhide leather, two front zippered pockets, a zip-up front and a trendy and modern Mandarin style snap collar. The jacket also has zipper details on the sleeves, black perforated nylon padding to allow for proper ventilation and Kevlar padding in the front and back of the jacket as well as the shoulders and elbows. This jacket is not only fashionable, but offers protection and safety as well when worn.

SIZE	BLACK W/ BLACK	BLACK W/ RED	BLACK W/ YELLOW	BLACK W/ GRAY
38 Small	107-344	—	—	—
40 Medium	—	107-363	107-354	107-372
42 Medium	107-346	107-364	107-355	107-373
44 Large	—	—	107-356	107-374
46 Large	—	107-366	107-357	107-375
48 X-Large	107-349	—	107-358	—
50 X-Large	—	107-368	107-359	—
52 XX-Large	107-351	107-369	107-360	107-378
54 XX-Large	107-352	107-370	107-361	107-379
56 XXX-Large	107-353	107-371	107-362	—



COLORADO - CORDURA JACKETS

Our Colorado Cordura jackets are made from top quality and highly durable Cordura. This jacket features a zip-up front, trendy and modern Mandarin style Velcro closure collar, two front zippered pockets, zipper detailing on the sleeves, an adjustable front waist belt and Kevlar padding in the chest, shoulders, elbows and back for added protection and safety. This jacket comes in several colors along with a black and gray color combination and will definitely set you apart from the other riders.

SIZE	BLACK W/ BLUE	BLACK W/ ORANGE	BLACK W/ RED	BLACK W/ YELLOW
Small	107-271	107-259	107-265	107-253
Medium	—	—	107-266	107-254
Large	—	107-261	107-267	—
X-Large	107-274	—	107-268	—
XX-Large	—	107-263	107-269	107-257
XXX-Large	107-276	—	107-270	107-258



CARGO DELUXE VEST

Our top quality Cowhide Cargo Deluxe Vest features a 4 button snap-up front, two zippered front pockets, as well as two front flap pockets and side laces for the proper fit. The vest also comes with a hidden inside pocket. SOLD EACH

59-688 Men's vest, size X-Small.

A. *VESTS WITH UNIQUE EMBOSSED DESIGNS*

Wild Rider® Leathers black leather vest with our own Embossed FREEDOM Designs on the back! Features include adjustable laced sides, four Wild Rider® snaps, full lining, inside pocket and two outside pockets. Unisex sizes.

EMBOSSED "U.S.A. FREEDOM STALLION"
59-618 U.S.A. Stallion vest, size Small.

EMBOSSED "U,S,A, FREEDOM FLAG"
59-350 U.S.A. Flag vest, size Small.

B. *ROADHOUSE VEST*

Wild Rider® Classic Roadhouse Four snap, available with or without laced sides. These vests are fully lined, with inside pocket and two outside pockets. Unisex sizes.

STANDARD	
PART NO.	SIZE
59-161	X-Small

C. *MEN'S & WOMEN'S WESTERN STYLE SHIRTS*

Wild Rider® Leathers presents Western Styled Shirts of black leather for men & women. These shirts are fully lined (sleeves too), with shirt tail hem, fitted seaming front & back, and gusseted underarms for mobility. Wild Rider® antiqued brasstone snap closures on vented cuffs & chest pockets. Locker loop inside collar.

MEN'S		WOMEN'S
PART NO.	SIZE	PART NO.
59-239	Small	**59-235**
—	X-Large	**59-238**

D. *MEN'S LIGHT WESTERN STYLE SHIRT*

These shirts are lighter without lining.
59-453 Small.
59-454 Medium.

E. *MEN'S MALTESE SHIRT*

For the hardcore biker, this leather shirt is for you! Our Maltese shirt is the perfect addition to your summer riding wardrobe. The shirt is made from high quality, Grade "A" Cowhide leather and features short sleeves, a button up front, two front snap closure pockets and the word "Chopper" emblazoned on the front and a Maltese Cross embossed on the back of the shirt.
59-724 Small.
59-725 Medium.

A





"U,S,A, FREEDOM FLAG"



"U.S.A. FREEDOM STALLION"

B



C & D



E



A



A. *BLACK HILLS SHIRT*

Adjustable Laced Sides and Zip out sleeves.

59-470 Small.
59-471 Medium.

B



B. *FRINGED & PLAIN LEATHER CHAPS*

Wild Rider® Leathers black leather chaps have an adjustable front belt buckle, and on the outside of the legs, 2/3 length zippers with snaps below. Legs are unhemmed which makes it easy to cut to the length needed.

PLAIN PART NO.	SIZE	FRINGED PART NO.
59-90	Small	**59-94**
—	Medium	**59-95**

C. *BLACK LEATHER PANTS*

Wild Rider® Leathers black leather pants have traditional 5 pocket styling with dual snap, extended tab fly, riveting at stress points and lining to the knees. Legs are unhemmed which makes it easy to cut to the length needed. Unisex sized by waist measurement.

59-251 42 Regular.
59-252 44 Regular.

C



D



D. *CHAP STYLE JEANS*

Available in Men's sizes only.

59-424 48 Regular.
59-422 44 Regular.
59-423 46 Regular.

E. *FRINGED LIGHT CHAPS FOR LADIES*

59-484 X-Large.

E



A. *LADIES LEATHER PANTS*

Wild Rider® Leathers Ladies' Pants feature high quality black finished split leather, lined to the knees and the bottom hem can be trimmed to custom length. Traditional five pocket styling.

59-346 Size 16 women's.
59-343 Size 10 women's.
59-348 Size 20 women's.



B. *FIRE CHAPS*

A perfect match to our Fire Jacket! These stylish chaps will get anyone noticed! THey are made fom the highest quality Cowhide leather and are soft and durable to allow for the perfect level of comfort.

SOLD EACH

59-736 Size X-Small.
59-737 Size Small.
59-738 Size Medium.
59-741 Size XX-Large.
59-742 Size XXX-Large.



C. *DIXIE FRINGED CROPPED JACKET*

Wild Rider® Leathers Ladies' Fringed Cropped Jacket features Braided trim front and back and side lacing.

59-504 Size X-Large women's.



D. *OLIVIA JACKET*

Wild Rider® Leathers new Women's Fitted black leather jacket has stand up collar with western yokes & princess seaming front & back. The elastic side waists give a feminine peplum look. Antiqued brass tone zippers close the sleeves, front & pockets. The jacket has removable quilted lining and one inside pocket.

SOLD EACH

59-211 Size X-Small women's fitted jacket.
59-212 Size Small women's fitted jacket.
59-215 Size X-Large women's fitted jacket.



E. *ALEXIS BIKER JACKET*

Wild Rider® Leathers Braided Ladies' jacket shares styling cues with their police style jacket, such as high quality black finished split leather, removable quilted Thinsulate™ lining, leather bottom facing, and traditional Ladies' left side front flap. Additional feminine details include front & rear braid trimmed princess seams, braid trimmed leather epaulets with snaps, zippers with leather pull tabs on front flap, sleeves & pockets, flattering elastic side waist inserts, and riveted back patch.

59-174 Size X-Small women's.
59-177 Size Large women's.
59-179 Size XX-Large women's.

SOLD EACH



A



B



C



D



E



A. *SHIVA FIRE JACKET*

For those women who are true riding enthusiats or for those just wanting to make a statement, this scooter style jacket is definitely for you! Our Ladies Fire jacket is made from the highest quality Cowhide leather and is durable and soft for a comfortable fit. The jacket features a zip-up front, two front welt pockets, a zippered breast pocket, zipper detailing on the sleeve cuffs and a trendy and stylish Mandarin style snap collar. The jacket also features an inside pocket, full lining, a racy flame design on the sleeves and sides of the jacket and the jacket has a tailored fit. This is the perfect get noticed jacket!

59-653 X-Small women's.
59-654 Small women's.
59-655 Medium women's.
59-656 Large women's.
59-659 XXX-Large women's.

B. *GEMINI RACING JACKET W/WHITE NYLON*

Our Racer jacket is for those women who love the thrill of racing! This racing jacket is sporty and sleek and is made from high quality and durable Cowhide leather. It features green colored leather w/white perforated nylon for proper ventilation and comfort, a zip-up front, a stylish and trendy Mandarin style collar with a Velcro tab closure, two front zippered pockets outlined in white and Kevlar padding in the front. This style is sure to be a hit!

107-201 Size Medium women's. **107-205** Size XXX-Large women's.

C. *VIXEN RIDER*

Wild Rider® Jacket has orange Spandex stripes on sides and two front zippered pockets, one inside pocket and quilted liner.

59-624 Size X-Small women's. **SOLD EACH**
59-625 Size Small women's.
59-626 Size Medium women's.
59-627 Size Large women's.
59-628 Size X-Large women's.
59-629 Size XX-Large women's.

D. *MONACO RACING JACKET*

For the sporty woman, our White Racer is the one for you! Our motorcycle jacket is made from the highest quality Cowhide and is soft and durable for the ultimate fit! The jacket itself features a zip-up front, stylish and trendy Mandarin style snap collar, two front zippered pockets and orange spandex on the sides for the proper fit. The jacket also has orange and black sporty stripes, for a racing jacket look.

107-338 Size X-Small women's.

E. *SASHA SCOOTER JACKET*

Wild Rider® Leathers Scooter Jacket features snap collar and zippered front pockets.

59-495 Size X-Small women's.
59-496 Size Small women's.
59-497 Size Medium women's.
59-499 Size X-Large women's.
59-500 Size XX-Large women's.

A. *TRINITY RACING JACKET W/PINK NYLON*

Our Racer jacket is for those women who love the thrill of racing! This racing jacket is sporty and sleek and is made from high quality and durable Cowhide leather. It features pink perforated nylon for proper ventilation and comfort, a zip-up front, a stylish and trendy Mandarin style collar with a Velcro tab closure, two front zippered pockets outlined in white and Kevlar padding in the front. This style is sure to be a hit!

59-665 Size XXX-Large women's.

A



B. *RAVEN JACKET*

Our Scooter jacket is where style and practicality meet! This ladies scooter is sporty and sleek and is made from high quality and durable Cowhide leather. It features pink racing stripes and pink pocket accents, a zip-up front, a stylish and trendy Mandarin style collar, two front zippered pockets outlined in pink. This style is sure to turn heads!

59-671 Size XXX-Large women's.

B



C. *BARBIE JACKET W/ZIPPER*

Made from top quality cow hide leather, our Ladies Pink zip up scooter jacket is soft and durable for the ultimate in fit and comfort. The jacket is light, casual, and versatile for all your needs. It features long sleeves, two slash front pockets and one hidden breast pocket, a zip-up front, hemmed cuffs and a full silk lining. This shirt is definitely the perfect addition to your night on the town!

59-677 Size Small women's.
59-680 Size X-Large women's.
59-681 Size XX-Large women's.

C



D. *ANGEL RACING JACKET*

This ladies racing jacket is sleek and stylish and perfect for the woman who loves to ride. The jacket is made from top quality leather that is soft and durable and allows maximum comfort and fit. With the white and black combination and the black striping, this jacket is trendy and hot! The jacket features two front zippered pockets, a zip-up front and a trendy, modern Mandarin style snap collar. Also, there are zippers at the sleeve cuffs to ensure a proper fit. This jacket is perfect for any occasion and can be worn anytime.

107-385 Size XX-Large women's.

D



E. *LADIES BRAIDED VEST*

Wild Rider® Buffalo Leather side lacing and braided front with three snap buttons.

59-640 Size X-Large women's.

E



A



A. *PINK 3-BUTTON BLAZER*

Made from top quality cow hide leather, our Ladies Pink 3 Button Blazer is soft and durable for the ultimate in fit and comfort. The blazer is of a highly polished design, with a casual flair for any occasion. It features long sleeves, two slash front pockets, a button-up front, hemmed cuffs and a full silk lining. This shirt is definitely the perfect addition to any womans wardrobe!

59-672 Size Small women's.
59-674 Size Large women's.

B



B. *PINK WESTERN SHIRT*

Made from top quality cow hide leather, our Ladies Pink Western Shirt is soft and durable for the ultimate in fit and comfort. The shirt is highly stylish and sleek, with a western flair and good for any occasion. It features long sleeves, two front pockets, a snap-up front, snap sleeve cuffs and a full silk lining. This shirt is definitely the perfect addition to any womans wardrobe!

SOLD EACH

59-648 Pink western shirt, size Small.
59-649 Pink western shirt, size Medium.
59-650 Pink western shirt, size Large.
59-651 Pink western shirt, size X-Large.
59-652 Pink western shirt, size XX-Large.

C



C. *LAMBSKIN SHIRT*

Wild Rider® Western Style Soft Lambskin Shirt has snap front & cuffs, with full silk lining.

SOLD EACH

59-630 Size X-Small

D. *FRINGED LADIES VEST WITH CONCHOS*

Wild Rider® Leathers Ladies' Vest has long fringe and front braiding with Conchos on sides.

59-476 X-Small.
59-477 Small.
59-478 Medium.
59-479 Large.
59-480 X-Large.

E. *LADIES SIDE LACE VEST*

Wild Rider® Buffalo Leather side lacing and three snap buttons.

59-642 Size X-Small women's.

F. *LADIES' SHORTS*

Wild Rider® Leathers Ladies' Shorts are fully lined and hemmed. 4.5" Long. Traditional five pocket styling.

59-431 Size 6 women's.
59-432 Size 8 women's.
59-433 Size 10 women's.
59-434 Size 12 women's.
59-435 Size 14 women's.

D



E



F



A. *VEST HALTER*

Vest Halter with collar and lined, zippered front flatters with princess seaming to the weskit styled bottom. Spandex X-back design gives this garment a custom, snug fit. SOLD EACH

59-265 Vest Halter, size Small.



B. *FRINGED BIKINI*

Black leather Bikini top with Fringed neckline ties at neck and back. Triangle cups slide to adjust coverage. Fully lined.

59-260 Bikini top, size X-Small. SOLD EACH



C. *FRINGED & PLAIN CAMISOLE*

Fitted black leather Camisole with sweetheart neckline is fully lined and has princess seaming front & back. Zippered back. Fringed version has silver toned strap adjusting buckle slides on the back; Plain version has black adjusting buckle slides on the front. SOLD EACH

SIZE	FRINGED PART NO.
X-Small	**59-276**
Medium	**59-278**



SIZE CHART FOR LEATHERS & APPAREL

SIZE CHART							
Body Measurements for Men's Jackets and Vests (If your height measures: 5'6" to 6'2")							
Order This Size:	**S**	**M**	**L**	**XL**	**XXL**	**XXXL**	
Order This Size:	**36 - 38**	**40 - 42**	**44 - 46**	**48 - 50**	**52 - 54**	**56 - 58**	
Chest Measures:	36" - 38"	40" - 42"	44" - 46"	48" - 50"	52" - 54"	56" - 58"	
Waist Measures:	28" - 30"	32" - 34"	36" - 38"	40" - 42"	44" - 46"	48" - 50"	
Sleeve Measures:	32.5" - 33"	33.5" - 34"	34.5" - 35"	35.5" - 36"	36.5" - 37"	37.5" - 38"	
Body Measurements for Ladies Jackets and Vests (If your Height measures: 5'3" to 5'8")							
Order This Size:	**XS**	**S**	**M**	**L**	**XL**	**XXL**	
Order This Size:	6	8 - 10	12 - 14	16 - 18	20 - 22	24	
Bust Measures:	32"	34" - 36"	38" - 39"	41" - 43"	44" - 45"	46"	
Waist Measures:	26.5"	27.5" - 28.5"	30" - 31.5"	33" - 35"	37" - 39"	41"	
Sleeve Measures:	30"	31"	32"	33"	33"	33"	
Hip Measures:	36"	37" - 38"	40" - 41"	43" - 45"	47" - 49"	50"	
Body Measurements for Kids							
Order This Size:	**XS**	**S**	**M**	**L**	**XL**		
Order This Size:	3/4	6/8	10/12	14/16	18/20		
Chest Measures:	23"	26"	29"	32"	35"		
Body Measurements for Men's and Ladies Chaps							
The waist on your chaps is adjustable with facing at the back and belt in the front. Chances are that the waist can be adjusted to fit. The most important measurement is the thigh.							
Thigh Measurements for Ladies Chaps							
Order This Size:	**XS**	**S**	**M**	**L**	**XL**		
Thigh Measures:	20.5"	21.5"	22.5"	23.5"	24.5"		
Thigh Measurements for Men's Chaps							
Order This Size:	**XS**	**S**	**M**	**L**	**XL**	**XXL**	**XXXL**
Thigh Measures:	20.5"	21.5"	22.5"	23.5"	25"	26.5"	28"
Our chaps come extra long. This way they can be hemmed to the ideal length. Make sure to sit down before you hem to get the desired length while on the motorcycle.							

A



A. *FRINGED GAUNTLET*

A strong slab of leather between the rider and the road, this burly glove is cut from 1.2mm thick, genuine cowhide leather. Unlined for use in all but very cold weather. Black, of course!

100-50 Small.
100-51 Medium.
100-62 XX Large.

SOLD AS PAIR

B



B. *DUSTER GLOVES*

A lightweight wide gauntlet style glove with flannel lining. Black only.

100-70 Small.

SOLD AS PAIR

C. DEERSKIN GLOVES, LADIES

100-117 Medium.

SOLD AS PAIR

C



D. *DEERSKIN MOTORCYCLE GLOVE*

WITH REMOVEABLE GAUNTLET

Wild Rider® full grain deerskin, 4 inch removeable cuff, reinforced palm, articulated knuckles, double layer inside thumb. SOLD AS PAIR

100-130 Small.
100-131 Medium.

E. *LADIES FRINGE GLOVES*

100-104 Large
100-105 Extra large.

SOLD AS PAIR

F. *FEATHERLITE VENTED*

100-43 Medium.
100-61 XX-Large.

D



E



F



A. *LADIES PADDED PALM VELCRO RIDER*

Wild Rider® full grain deerskin, Velcro wrist, wing thumb, padded palm.

100-138 Extra Large

B. *FINGERLESS DEERSKIN MOTORCYCLE GLOVE*

Wild Rider® full grain deerskin, Velcro wrist, vented knuckles, and padded palm.

100-150 Small.



C. *RETRO GAUNTLET*

Fringed retro style gauntlet glove with tasseled concho and studs. Flannel lined. Black only. SOLD AS PAIR

100-65 Small. **100-68** Extra large.
100-69 XX-Large.



D. *FULL GAUNTLET RACING GLOVES*

Full gauntlet racing glove, superior durability, adjustable velcro wrist straps for quick release, kevlar plates for added protection on knuckles and wrists, full lining for comfort, double stitch palm.

SIZE	GREEN	YELLOW	RED
Small	**100-300**	**100-305**	**100-310**
Medium	**100-301**	—	—
Large	—	**100-307**	—
X-Large	**100-303**	**100-308**	—
XX-Large	—	**100-309**	—



E. *NYLON GLOVES*

Our nylon glove collection feature a padded leather palm, elastic strip on knuckles for comfort, velcro strap for perfect fit, nylon top for ventilation and are available in a variety of sizes and colors.

SIZE	BLACK	BLUE	YELLOW	LIME GREEN
Small	**100-260**	**100-265**	—	—
Large	—	**100-267**	—	—
X-Large	—	**100-268**	**100-278**	—
XX-Large	—	**100-269**	**100-279**	**100-284**



F. *MOTLEY TUBE*

The Motley Tube is wind-resistant, breathable and wicks away moisture to keep you comfortable in both warm and cold climates! Wear it as a bandana, scarf, beanie, balaclava, headband, wristband, helmet-liner, muffler or dust screen and more! Lightweight, machine washable and dries in minutes, one size fits most adults, 100% polyester. SOLD EACH

107-50 SOLID BLACK
107-52 SOLID PINK



G. *3-IN-1 WRAP*

22" x 22" 100% Cotton, pre-washed headband, with adjustable velcro closure. Ideal for use under helmets. Great for military personnel, snowboarders, motorcycle enthusiasts, and construction workers, just to name a few groups that can benefit from this product. Can be worn as a headband, a neckerchief or a skullcap, to help protect against bugs, dirt, dust, wind, sun damage and frostbite.

107-71 Black Paisley SOLD EACH



A. *NYLON BALACLAVA*

Made from durable nylon fabric that is non-bulky and easy to store. It's thin enough to fit snugly under helmets yet thick enough to withstand bugs, wind and other extreme weather conditions while protecting the head, ears and mouth. One size fits most.

107-53 Black nylon balaclava — SOLD EACH



B. *NEOPRENE FACE MASKS*

Neoprene face mask features full coverage of the face and ears. Stretchy neoprene material is warm and water resistant. Patterns are reversible to solid black material. Velcro closure ensures great fit with goggles, with a helmet or without. One size fits most.

SOLD EACH

FULL FACE MASKS

107-30 SKULL FACE
107-37 SOLID BLACK

HALF FACE MASKS

107-45 B&W SKULL FACE
107-77 BLACK



SKULL FACE



SOLID BLACK



B&W SKULL FACE



BLACK

C. *FLYDANNAS®*

The Flydanna® is a bandanna, cut into 6 panels and sewn into a headwrap, with a tail and ties at the nape of the neck. It is designed to sit securely on the head using the attached ties, allowing one size to fit all. Flydannas® are great under a helmet as a moisture barrier: they help to isolate grease and sweat from helmet liners and sweat from falling into a rider's eyes. The Flydanna® protects hair from getting snagged on earrings and from becoming tangled in the wind.

107-1 Black Skull print.
107-3 Solid Black. — SOLD EACH
107-2 Black Paisley-style print.
107-4 Red Paisley-style print.
107-5 Navy Paisley-style print.
107-7 Sky Blue Paisley-style print.
107-62 Henry Every Skull, White
107-67 Wooland Camo
107-68 Skull Paisley, Black



BLACK SKULL



SOLID BLACK



BLACK PAISLEY



RED PAISLEY



NAVY PAISLEY



SKY BLUE PAISLEY



SKULL PAISLEY, BLK



HENRY SKULL WHITE



WOODLAND CAMO

ZAN HEADGEAR

A. SPANDEX CROWN BALACLAVA

This Fleece & Spandex Balaclava w/ dickie is excellent for shielding your face & neck from the elements during cold weather and. The spandex crown with smooth seams makes for an especially comfortable fit under helmets. The dickie tucks under a jacket in both the front and back, staying put. Construction minimizes pulling or binding. Black Polyester Micro fleece keeps skin protected from wind and repels water. One size fits most. SOLD EACH

107-40 Fleece Fabric Body. Minimal Bulk.



B. NECK WARMER

Made with thick warm Microfleece, our Neckwarmer is perfect for all kinds of winter activities. Just pull it on for motorcycling, skiing, snowboarding, or any activity during the cold winter months. Can also be worn as a facemask. Black, 100% polyester Microfleece. One size fits most.

107-54 Neck warmer SOLD EACH



C. FLEECE FACE MASK W/ MESH MOUTH

This black microfleece facemask is warm, thick and soft. Minimum profile ensures ease of wearing and storage in cold weather environment. Designed to cover ears, nose and cheeks, & allows for an unobstructed view. The poly-mesh mouth helps to keep out snow, bugs and stones, while providing for maximum moisture transfer and breathing ease. The Velcro closure allows for ease of wearing/ removal and promotes a custom tailored fit for comfort. One size fits most.

107-27 Black face mask w/mesh mouth. SOLD EACH



D. MICROFLEECE & NEOPRENE HELMET LINER

This helmet liner is ideal for wear during the coldest weather. Microfleece is densely constructed to keep out wind and wet. The low profile design fits most head shapes comfortably, while providing some degree of "give" when worn under today's full face helmet styles. The neoprene ear region keeps the helmet liner in place and will not shift around under helmet. The nylon binding around ear area provides a clean, tailored look, and prevents fraying of fabric. Black, one size fits most.

107-56 Black helmet liner SOLD EACH



E. MICROFLEECE BALACLAVA W/ZIPPER

Designed for easy on/easy off, during cold weather activities. Zipper allows control over how much of the head and face area are covered. Wind & water resistant. Elasticized binding around face keeps balaclava close to skin, minimizing windburn and frostbite. Windflap behind zipper lessens draft, and possibility of skin or hair snags in zipper. One size fits most.

107-26 Black balaclava w/zipper. SOLD EACH



A



B





C

D



ULTIMA



E



F



245-35

G









H



TRIBAL



FLAME



MALTESE CROSS

A. *RED BARON GOGGLES*

Super popular goggles with air vents, smoke-tint acrylic non scratch lens, adjustable band and 6 position lens adjuster for custom fit. Metal frames.

115-9 Simulated leather. SOLD EACH
115-12 Genuine leather.

B. *"FLYING TIGER" GOGGLES*

Features air vents, acrylic non-scratch one-piece lens, and cushioned head strap.

115-10 SOLD EACH

C. *PADDED-FREEDOM SUNGLASSES*

Comfort and function are key with our special padded glasses. Styled as a sunglass, padded glasses offer protection from wind and dust much like a goggle. Soft and durable foam line the inner portion of the sunglass frame. As an added feature these padded frames float, also making them excellent for use on watercraft.

- Includes detachable strap for versatility and convenience
- Lightweight
- 100% UV protection SOLD EACH

115-80 Freedom sunglasses; black frame, clear lens.

D. *ULTIMA® CHAIN BRACELETS*

Ultima® top quality surgical stainless steel bracelets. Dual clasp offers length adjustability to help fit most everyone. 9" long when both clasps are used. Available in gold chrome & premium polished finish.

245-10 9" bracelet, premium polished finish SOLD EACH
245-11 9" bracelet, gold chrome finish

E. *SPEAKER GRILLES FOR FLH*

These 4.5" dia custom design speaker grilles are made from light wieght aluminum & add a great look to the factory consul speakers on touring models. They are adhesive backed and easy to fit. Available in chrome or black finish.

89-377 Custom FLH speaker grille, chrome. SOLD AS PAIR
89-382 Custom FLH speaker grille, black.

CYCLE SOUNDS ACCESSORIES

F. *ADAPTERS*

245-34 Satellite 12-5 volt. SOLD EACH
245-35 USB charger. SOLD EACH

G. *MP3 / SATELLITE MOUNTS*

Full size mount for 94'-06' FLHR (except FLHRS)
245-41 Tank mount. SOLD EACH
245-42 Large MP3 mount.
245-43 Satellite mount.
Full size mount for 06'-08' FLSTS DELUXE
245-44 Large MP3 mount. SOLD EACH

H. *SPEAKER GRILLS / TURN SIGNALS*

245-49 Tribal - turn signals. SOLD AS PAIR
245-51 Flame - turn signals.
245-55 Maltese Cross - turn signals.

TURN SIGNALS COME WITH RED & AMBER LENS.

CHEMICAL/ SHOP/TOOL



CLEANERS, POLISHES, LUBRICANTS, PAINTS, SEALANTS, SHOP MANUALS & TOOLS, ENGINE SIMULATION SOFTWARE

A



A. *VHT ENGINE ASSEMBLY LUBE*

VHT Engine Assembly Lube adds the high performance edge to professional engine building and restoring. It drastically reduces friction on all moving metal parts with precision tolerances, including wrist pins, cams, lifters, gears, bearing and timing chains. VHT Engine Assembly Lube can prevent permanent damage caused by seizing and galling, because it will cling tenaciously to all metal surfaces and it will provide essential lubricity before the engine's oiling system can establish a permanent oil film.

103-175 7 oz. Aerosol. SOLD EACH

PJ1 CHEMICALS

B



103-25



103-26

B. *PJ1 FAST BLACK™*

PJ1 Gloss Black 500° Engine & Case Paint. High gloss finish. Restores case & engine components. Prevents rust & corrosion. Resists chipping/rubbing off.

103-24 11 oz can. SOLD EACH

PJ1 Gloss Black Epoxy Paint. High gloss durable finish. Prevents rust & corrosion. Resists chipping/rubbing off.

103-25 11 oz can. SOLD EACH

PJ1 Flat Black 1500° Exhaust Paint. For all 4 stroke & 2 stroke exhaust systems. Factory-like smooth finish. Prevents rust & corrosion. Resists chipping/rubbing off.

103-26 11 oz can. SOLD EACH

PJ1 Satin Black 500° Engine & Case Paint. Semi gloss finish. Restores case & engine components. Prevents rust & corrosion. Resists chipping/rubbing off.

103-27 11 oz can. SOLD EACH

PJ1 Wrinkle Black 500° Texture Paint. Provides durable textured finish. Dissipates heat quicker. Prevents rust & corrosion. Resists chipping/rubbing off.

103-28 11 oz can. SOLD EACHD

C



103-19

C. *PJ1 PENETRATING CABLE LUBE*

Cleans and lubricates in one application. Makes cables operate smoother. Extends cable life. Easy-to-use formula.

103-19 16 Ounce can. SOLD EACH

D



103-15

D. *PJ1 HEAVY DUTY CHAIN LUBE*

Super tacky formula won't fly off. Extends chain and sprocket life. Prevents rust and corrosion. Ideal for on/off road applications.

103-15 5 Ounce can. SOLD EACH
103-16 20 Ounce can.

E



103-17

E. *PJ1 BLUE LABEI™ CHAIN LUBE*

Super tacky formula won't fly off. Extends chain and sprocket life. Prevents rust and corrosion. Ideal for on/off road applications.

103-17 8 Ounce can. SOLD EACH
103-18 20 Ounce can.

PJ1 CHEMICALS

A. PJ1 FORK TUNER™ OIL

Three different multi-viscosity weights for precise tuning. Consistent smooth damping action for more predictable ride in summer or winter temperatures. Fine tune your ride to your personal preference. Contains preservative to prevent messy seal leaks. Non-fading, non-foaming formula. 16 Ounce bottle.

103-54	Light; SAE 15W.	SOLD EACH
103-55	Medium; SAE 20W.	
103-56	Heavy; SAE 30W.	

B. PJ1 SUPER CLEANER™

Great for all preassembly of motor, surface preparation for paint, decals and grip installation. Cleans carburetors, injector systems, disc brake rotors, pads, brake shoes, spark plugs, electrical switches... Everything! Removes moisture from ignition systems. Harmless to most plastics and paint.

103-29	13 oz can.	SOLD EACH

C. PJ1 SPRAY WASH™ & DEGREASER

Deep penetrating formula dissolves grease, dirt and oil in one step. Easy to use — spray on and hose off. Leaves a pleasant smelling sparkling clean surface. No annoying vapors.

103-30	15 oz can.	SOLD EACH

D. PJ1 SPRAY FOAM FILTER TREATMENT

Easy, no-waste application. Super tacky to filter out dirt and sand. Water repelling. Makes engine breathe more efficiently.

103-13	13 oz can.	SOLD EACH

E. PJ1 SPRAY FABRIC FILTER OIL

For gauze type air filters. Filters out dirt and sand. Water repelling. Makes engine breathe more efficiently.

103-14	15 oz can.	SOLD EACH

F. CHAMPION CONTACT AND BRAKE CLEANER

Features include:

- Will thoroughly clean electrical and brake components
- Evaporates quickly
- Leaves no oily residue
- 15 oz.

103-9	Champion Brake Cleaner	SOLD EACH

G. SIMICHROME POLISH

All purpose polishing paste for chrome, aluminum, stainless, plexiglass, plastics, magnesium, cadmium or any other metal. Used sparingly it leaves a brilliant shine. The fastest and most effective polishing agent of its kind. Made in Germany. Non-toxic. Also great for removing small scratches from plexiglass (goggles & face shields).

103-7	1.76 oz. (50 Gram tube).	SOLD EACH

H. WHEEL BEARING GREASE

Lithium complex high temperature grease. Meets the requirements for disc and drum brakes. Good temperature stability. Protects against rust and oxidation. May also be used in general purpose applications.

103-300	1 lb. Container grease.	SOLD EACH

A



103-54

B



103-29

C



103-30

D



103-13

E



103-14

F



G

24 TUBES TO A CASE



H



A



PERMATEX

A. FAST BREAK® SUPER PENETRANT

Heavy duty penetrant for rusted and frozen assemblies. Works quickly to penetrate and loosen rust, tar, grease, dirt, carbon deposits, and corrosion from metal parts. Frees frozen nuts, bolts, and fittings in all types of assemblies. Suggested application: lubricates to free any corroded or seized part. Penetrates rust, scale, paint varnish carbon, or gum. OEM 98958-97.

103-703 Fast Break® Super Penetrant. 16 oz. aerosol can, 12 oz. net wt. **SOLD EACH**

THREEBOND PRODUCTS

B



ThreeBond

B. THREEBOND GRIPLOCK

A high strength adhesive specially formulated to keep grips in place without damaging the rubber. Griplock puts an end to grips twisting or sliding off.

103-86 ThreeBond Griplock. **SOLD EACH**

C







ORDER
CASE QTY.
FOR BEST PRICE!

C. THREEBOND THREAD LOCK PRODUCTS

No matter what locking properties are required, one of ThreeBond's thread locking products will get the job done right the first time. ThreeBond's Thread Lock line-up includes high strength retaining properties for various threads, screws, bolts, bearings, piping joints, gears, pulleys, fans, and studs which are not frequently removed, and must remain secure for safety and/or structural integrity reasons.

ThreeBond Hi Temperature Thread Lock is a new sealing and locking agent made to withstand extreme temperatures without weakening. It incorporates the various strengths of anaerobic locking agents, plus a heat-resistant element capable of withstanding 200°C, which makes it ideal for sealing engine and exhaust components.

At the bottom end of the range, ThreeBond's Low Strength/Frequent Repair product is perfect for small screws and bolts which are frequently removed, and require a force of only 10 - 20% greater than that used for tightening.

All ThreeBond Thread Lock products inhibit the development of leaks and rust, and are not affected by oils, chemicals, various gasses, salt water or organic solvents. All four products widen the range of tolerance limits, thus streamlining assembly operations and eliminating the need for lock washers. All four products are available in 10 ml and 50 ml containers.

Low strength (Blue) Frequent Repair.
103-85 10 ml Bottle. **SOLD EACH**
103-87 50 ml Bottle.

Medium strength (Red) Bearing & Stud.
103-82 10 ml Bottle. **SOLD EACH**
103-88 50 ml Bottle.

Medium strength (Red) High Temperature.
103-83 10 ml Bottle. **SOLD EACH**
103-89 50 ml Bottle.

High strength (Green) Retaining.
103-84 10 ml Bottle. **SOLD EACH**
103-90 50 ml Bottle.

D



D. PARK TOOL NITRILE SHOP GLOVES

Park Tool nitrile gloves keep hands free of dirt, oil and potentially harmful chemicals & solvents. Thin enough to maintain dexterity, tough enough to resist snags. Superior fit, easy on /off. .

97-302 Nitrile shop gloves, size Large. **SOLD AS BOX OF 100**

KREEM PRODUCTS

A. KREEM COMBO-PACK

The Kreem Combo-Pack gives your customers a shrink-wrapped kit for the complete treatment of average size tanks. Just one unit to order, stock and sell and at a special price.

Kreem Combo-Packs can be split, of course, to produce an individual component of Fuel Tank Liner, Tank Prep A and Tank Prep B.

103-188 Kreem Combo Pack (1 pint Fuel Tank Liner, 1 pint Tank Prep A, 1/2 pint Tank Prep B) **SOLD EACH**

A



BEST BUY
CASE QTY. 6

B. KREEM TANK PREP™

Kreem Tank-Prep is a unique two-part system to prepare metal fuel tanks before coating with Kreem Fuel Tank Liner. Used as directed, Tank-Prep will remove rust and etch the metal surface to ensure maximum adhesion of Kreem Tank Liner.

Because permanent adhesion of Kreem Tank Liner is possible only on a clean oil-free surface, Kreem Corp. offers a special two-part tank preparation kit. Tank-Prep A is a concentrated cleaner which dissolves rust and etches the metal surface. The concentrate is diluted 20:1 with water (a pint container makes 2-1/2 gallons of cleaner) and used to treat the tank interior for a minimum of four hours. When treatment is complete, inspection will reveal that loose rust has been removed and that the tank surface has been etched to promote adhesion of the lining.

NOTE FOR NEW TANKS: It is important to remove the oily protective coating **before** using Tank-Prep. An industrial strength detergent or a commercial degreaser/cleaner like acetone, M.E.K. or III-trichlorethane should be used.

Tank-Prep B is a final rinse & conditioner. A brief rinse will remove moisture and prepare and condition the tank interior for the Kreem liner. Note that the Kreem treatment can begin immediately after the final conditioning.

103-187 Kreem Tank-Prep kit (1 pint Prep A, 1/2 pint Prep B). **SOLD AS KIT**

B



BEST BUY
CASE QTY. 6

C. KREEM FUEL TANK LINER

Kreem produces a "tank within a tank." It is supplied as a liquid, but quickly cures to a tough, white elastomer compound. In a new or old fuel tank, a Kreem lining will seal and protect the tank, prevent rust and corrosion, stop leaks from pinholes and hairline cracks, and protect fuel from contamination. The newly-advanced Kreem formula offers better adhesion, faster set-up and a smoother finish. It resists leaded and unleaded gasoline, gasohol, octane boosters and fuel additives at recommended concentrations.

Do-it-yourself application is straightforward:

1. Tank is emptied and cleaned.
2. Valves and petcocks are removed and openings plugged.
3. Kreem liquid is added and the tank is rotated to coat all inner surfaces.

The bright white color of the finished coating facilitates visual inspection and ensures thorough coverage.

The quantity of Kreem required depends on tank size. For motorcycle tanks, approximately one pint (16 oz.) is required per three gallons of tank capacity.

103-186 1 Pint (.473 liters) Fuel Tank Liner. **SOLD EACH**

C



BEST BUY
CASE
QTY. 12

D. KREEM BLUE SHIELD

Kreem Blue Shield is a protectant to be used on new exhaust systems before installation.

103-189 Kreem Blue Shield. **SOLD EACH**

D



BEST BUY
CASE QTY. 6

A



103-252

A. *LIQUID HORSEPOWER OCTANE BOOSTER*

- Boosts octane 5-10 points
- Combustion catalyst improves fuel mileage and performance
- Cleans fuel system
- Upper cylinder lubricant
- Stabilizes fuel

103-250 Liquid Horsepower, 1 oz bottle, treats 5 gallons. **SOLD EACH**
103-252 Liquid Horsepower, 6 oz bottle, treats 30 gallons.
SOLD EACH

B



C



B. *ULTIMA® D.O.T. 5 BRAKE FLUID*

Silicone based DOT 5 brake fluid is specified for use in H-D® brake systems. Ultima® DOT 5 brake fluid is designed for severe service applications and will not boil at temperatures up to 500°F. Will not absorb moisture. Premium quality at at budget price!

103-197 Ultima® DOT 5 brake fluid, 12 ounces. **SOLD EACH**
BEST PRICE BREAK — CASE OF 12 EACH

C. *CHAMPION SYNTHETIC D.O.T. 4 BRAKE FLUID* NEW!

Provides the ultimate in high temperature protection, moisture resistance, and lubricity for ABS, hydraulic drum, disc braking systems, and hydraulic clutches requiring DOT 4 & 3 brake fluid.

★103-704 Champoin synthetic brake fluid, 12 ounces. **SOLD EACH**

D



D. *EZE BLEEDER*

Save time and money using the EZE Bleeder. Bleed air from the brake system by starting at the low points. Inject brake fluid into the caliper in its natural direction up to the the master cylinder. Instructions included.

97-208 EZE Bleeder. **SOLD EACH**

E



E. *ROCKET FUEL*

Increases motor octane. Increases research octane. Increases anti-knock rating. Requires **NO** mixture adjustment. Reduces engine varnish and sludge. Aids valve and seat lubrication. Helps protect pistons and heads. Releases full torque and power. **Warning:** Not for Jap bikes. Formulated for use in Harley® engines only.

103-191 One-ounce pocket-size squeeze packet; treats 2.5 to 5 gallons of gas. Sold as 55 individual packets in point-of-purchase display tin.
NOTE: For best price order quantity of two tins. **SOLD AS BOX**

F



G



F. *ULTIMA® COOL CRUSIN' OIL TREATMENT*

Check out Ultima®'s new Cool Crusin' oil treatment. Recommended for all hi-performance V-twins and Harley-Davidson® motorcycles.

- Cools engine oil and gear lube
- Cool cylinder head temperature
- Dramatically improves engine oiling.
- Doubles life of all lubricated parts.
- Reduces trans noise/clunk

103-1 Ultima® Cool Crusin' oil treatment, 16oz. **SOLD EACH**

G. *ULTIMA® BREAK-IN LUBE*

Ultima®'s break-in lube dramatically reduces initial component wear. Especially effective in cam and valve train area. Virtually eliminates blueing, galling & reduces temperature.

103-2 Ultima® Break-In Lube, 3oz. **SOLD EACH**

PIGSNOT *BUY CASE QUANTITY FOR BEST PRICE*

A. *PIG SNOT™ BIKER WAX*

Pig Snot™ is a blend of the finest non-silicone waxes with teflon hand glaze materials. It contains the same ingredients that professionals use to apply clear coat finishes to new motorcycles. This is the ultimate combination for protection from fine scratches, highway debris, gas spills as well as excessive heat. Pig Snot™ — the ultimate weapon — is like a bulletproof shield for your bike.

103-190 16 oz. Shop size squeeze bottle. SOLD EACH / 6 PER CASE
103-198 24 oz. Shop size squeeze bottle. SOLD EACH / 12 PER CASE

B. *PIG SNOT™ SUPER CLOTHS*

These new & improved buffing cloths are spun from sows' ears — just kidding — but they are non-abrasive and lint-free. Comes w/a sample size of our metal polish! Ten 12" x 26" disposable cloths per package.

103-199 Super Cloths. SOLD AS PKG / 24 PKG. PER CASE

C. *PIG SNOT™ SUPER CLEANER*

Pig Snot Super CLeaner has been formulated to clean your motorcycle completely. Just spray it on and hose it off! Removes tough-to-reach dirt and grime but is totally safe for all painted, chrome, and aluminum surfaces.

103-301 Super Cleaner, 32 oz. spray bottle. SOLD EACH / 12 PER CASE

D. *PIG SNOT™ SPRAY DETAILER*

Pig Snot™ Spray Detailer is the ultimate waterless, fast way to maintain the appearance of your ride. Removes fingerprints, road grime, water spots and flying pig droppings. It's safe for all types of paint, clearcoats, metal and plastic. Chrome, too.

103-200 Spray Detailer, 16 oz. bottle. SOLD EACH / 12. PER CASE

E. *PIG SNOT™ METAL POLISH*

Pig Snot™ Metal Polish is for aluminum, chrome, stainless steel, and copper. It's in paste form — a little goes a long way.

103-302 Metal Polish, 5 oz. SOLD EACH / 12. PER CASE



THE ULTIMATE WEAPON AGAINST GRIME — MADE IN U.S.A.



ULTIMA® OIL

A. *ULTIMA® PREMIUM BLEND STRAIGHT WEIGHT ENGINE OILS*

Ultima® Engine Oils have been specifically engineered to provide protection for all 4 Stroke Engines even in the most extreme temperature environments. Ultima® Oils carry one of the best Anti wear packages available for maximum performance and longer engine life. All of our Premium Blend motor oils are produced using "severe hydro-cracked" low volatility base oils. This process produces base oils that are as clear as water, provide high natural resistance to oxidation and thermal breakdown; resist sludge formation and combat corrosive acids from fuel combustion better than less expensive hydro-treated base oils. Straight weight Motor Oils are recommended for use in Engines where higher ambient temperatures are experienced and in older cast iron cylinder engines requiring high thermal stability. **Exceeds all known motorcycle manufacturers warranty requirements including API SF,SG,SH,SL and JASO MA and does not void new vehicle warranty. Check manufacturer's recommendation for viscosity and change interval.**

BENEFITS INCLUDE

- High Zinc additive resists wear and provides exceptional load carrying characteristics
- Resist high temperature oxidation and deposit formation
- Strong detergents keep engine cleaner

103-110	Ultima® Oil 50W	**SOLD EACH/CASE BOX IS 12PC**
103-111	Ultima® Oil 60W	
103-112	Ultima® Oil 70W	

B. *ULTIMA® PREMIUM BLEND MULTI VISCOSITY 20W50 SYNTHETIC BLEND*

Ultima® 20W50 Premium Blend Oil is a Synthetic Blend specifically engineered to provide outstanding service as a **4 Stroke Engine Oil, Primary and Transmission Oil.** This premium synthetic blend motor oils is produced using "severe hydro-cracked" low volatility base oils mixed with pure synthetic base oils producing a higher resistance to oxidation and thermal breakdown than conventional base oil technology is capable of. Our advanced multi-grade should be used in all Air Cooled engines where high temperature or high stress applications might occur. It will maximize power transfer performance, provide critical protection against ring wear and piston scuffing and offers excellent reserve alkalinity to absorb acids that degrade clutch material and performance.. **Exceeds all known motorcycle manufacturers warranty requirements including API SF,SG,SH,SL and JASO MA and does not void new vehicle warranty. Check manufacturer's recommendation for viscosity and change interval This Oil is recommended by Ultima® for protection during break in periods on all Ultima® Brand Engines.**

BENEFITS INCLUDE

- High Zinc additive resist wear and provides maximum load carrying characteristics
- Higher resistance to oil oxidation and deposit formation than conventional oils
- Strong detergents keep engine cleaner , even at elevated temperatures
- Formulated to resist extreme sheer stress imposed by transmission gears when used as transmission oil and includes proper friction modifiers to provide wet clutch protection and clutch control.

103-114 Ultima® Oil 20W50 Synthetic Blend

SOLD EACH/CASE BOX IS 12PC

ULTIMA® OIL

ULTIMA® RACING 20W50 FULL SYNTHETIC

Ultima® Racing 20W50 motor oil is a full synthetic olefin-ester based oil specifically engineered to provide protection during extreme service conditions where conventional oils fail. This extreme performance multi-grade motor oil should be used in all 4 Stroke engines where maximum service life and top performance are required and expected. This oil will maximize power transfer performance, provide critical protection against ring wear and piston scuffing and improve the wear characteristics in any engine, even under extreme conditions. This oil is not recommended as a "break-in oil" for any Air Cooled V-Twin and should not be mixed with petroleum based oils. When switching to Ultima® Full Synthetic Oil , change oil and filter for a complete fluid change. **Exceeds all known motorcycle manufacturer's warranty requirements including API SF,SG,SH,SL and JASO MA and does not void new vehicle warranty. Check manufacturer's recommendation for viscosity and change interval. This Oil is recommended by Ultima® for protection AFTER break in periods on all Ultima® Brand Engines.**



BENEFITS INCLUDE

- Reduces friction on all contact surfaces
- Lower engine operating temperature
- Maximize horsepower
- Improves fuel economy
- Maximize engine life

103-115 Ultima® Oil 20W50 Full Synthetic

SOLD EACH/CASE BOX IS 12PC

THE PERFECT COMBINATION OF 2 ULTIMA® PRODUCTS!



GREAT PAIR!!

ULTIMA® OIL



A. ULTIMA® RACING 80W140 GEAR OIL

Ultima® Full Synthetic Transmission Oil is designed for use in all manual transmissions where the clutch uses a separate lubricant. This is a highly effective and efficient lubricant designed for extended use and maximum performance. We strongly recommend this oils use after Transmission break in for Maximum component performance and life.

BENEFITS INCLUDE

- Ultimate gear and bearing protection during high temperature operation.
- Excellent chemical stability to prevent oil oxidation and corrosion.
- Unsurpassed shear & load stability preventing metal-to-metal contact while shifting at high speeds & temperatures.
- Quieter operation and smoother shifting
- Helps extend component life & improve power transfer

This Heavy Duty Gear lubricant specially engineered for extended use in manual transmissions where API GL-4, GL-5, MT-1 and MIL-L-2105D are specified. Additional specific applications are Mack GO-J Plus, SAE J 2360, Navistar TMS 6816, Dana Spicer SHAES256, Eaton PS-163, Arvin Meritor TP-9539. **Check manufacturer's recommendation for viscosity and change interval. This Oil is recommended by Ultima® for protection in all Ultima® Brand Transmissions . Not for use in wet clutch applications.**

103-117 Ultima® 80W140 Full Synthetic Gear Lube

SOLD EACH/CASE BOX IS 12PC



B. ULTIMA® PREMIUM 80W90 GEAR OIL

Ultima® 80W90 Gear Oil is our mineral based general purpose gear oil for use in all on and off road gear box applications. We recommend this oil in all Ultima® transmissions for break-in and continued GL-3 service where mineral based lubricants are recommended or preferred.

BENEFITS INCLUDE

- Great oxidation control under high thermal conditions
- Protection against excessive contact wear, pressure and corrosion
- Anti-foaming properties
- Universal compatibility with all mineral based and synthetic fluids

Recommended for use in all major transmission, final drive and gearboxes requiring API GL-3 service classification or US Steel 224, AGMA 9005 EP or Cincinnati Machine approvals. **Check manufacturer recommendations for viscosity and change interval.**
This Oil is recommended by Ultima® for protection in all Ultima® Brand Transmissions during break-in.

103-116 Ultima® 80W90 Gear Lube SOLD EACH/CASE BOX IS 12PC

A. *RECHARGER FILTER CARE SERVICE KIT*

A six step maintenance system designed to recharge any K&N Filtercharger® air filter. Completely restores air flow efficiency so your Filtercharger® performs like new!

103-201 Service kit. Includes 6.5 oz. air filter spray oil, 12 oz. filter cleaner and service decal. — SOLD AS KIT

103-12 K&N air filter oil, only. — SOLD EACH

ORDER CASE QUANTITY (12) FOR BEST PRICE!





BRUSHES

B. *BRUSHES*

97-318 Stainless steel wire brush with wood handle. — SOLD EACH

97-319 Brass wire brush with wood handle.

C. *CAM BEARING PULLER*

Once the camshafts are removed from the support plate, this specialty tool will remove the bearing from the camshaft. Unlike a general purpose puller, this tool was designed to remove the bearing straight with no slipping or binding.

97-244 For use on all Twin Cam 88™. — SOLD EACH



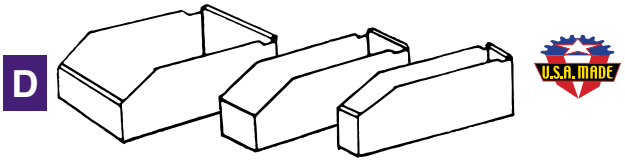
D. *BIN BOXES*

To make the most of your parts storage shelf space, use spacesaving **U.S.A. MADE** parts bins. 200 Lb. Test corrugated fiber board, treated for oil resistance — Mack Oil Shield™, yet some of the lowest priced bins in the world. An unbeatable bin for small parts inventory control, stocking parts at assembly stations, parts display, and the other small parts storage situations you are frequently faced with in your business. They keep things where your know you can find them, see them, and use them.

97-14 Width 2", length 12", height 4". — SOLD EACH

97-15 Width 4", length 12", height 4".

97-16 Width 8", length 12", height 4".



E. *CAM GEAR GAUGE PINS*

Gauge pins are used to determine correct size cam gears to use if a too-tight or too-loose fit is found. Consult a repair manual for instructions on proper use of gauge pins.

97-181 Gauge pins; .105 diameter. — SOLD AS PAIR

97-182 Gauge pins; .108 diameter.





U.S.A. MADE

F. *TAPPET ROLLER TOOL*

Use this **U.S.A. MADE** tool to ease and simplify removing and replacing tappets on all H-D® models.

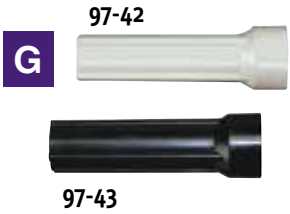
97-57 Tappet roller tool for Big Twin, Sportster® and Evolution®. — SOLD EACH

G. *INSTALLATION TOOL FOR VALVE GUIDE SEAL & SLEEVE*

This tool is used for installing valve guide seal & sleeve.

97-42 Used on XL & 80" Shovel.I.D. .530, O.D. .625. — SOLD EACH

97-43 Used on 74" Shovel & Evolution®. I.D. .411, O.D. .562.



H. *PINION GEAR STARTER HOLDING TOOL*

This custom tool allows you to hold the starter pinion gear in place with ease during service, fits both 9T and 10T gear pinions.

70-193 LS starter pinion gear holding tool. — SOLD EACH



A



B



A. *TWIN CAM@ CHAIN TOOL*

77-909 Cam chain tensioner shoe installation & removal tool — SOLD EACH

B. *OIL PRESSURE SWITCH WRENCH*

Use extension for Big Twin Evolution®, for Sportster® 1983 & 1984, use without extension (short).

97-106 Wrench. OEM 34816. — SOLD EACH

C



C. *ENGINE STANDS*

Black powder coated engine stands. — SOLD EACH

97-173 Engine stand for Big Twins 1999-present & Twin Cam 88.
97-174 Engine stand for Big Twins 1936-1998.

D



D. *PARK TOOL ALUMINUM VISE INSERT*

Provides a safe way to hold small suspension shafts & fittings securely without damage — perfect for suspension overhauls! Magnetic strips attach to vise jaws for easy, trouble free use.

97-301 Heavy duty aluminum jaws have 3 machined openings to hold shafts from 7mm to 15mm. — SOLD AS SET

E



E. *CLUTCH LOCK PLATE*

Used to hold clutch shell from turning when engine sprocket, clutch hub and rear chain front sprocket nuts are removed. **U.S.A. MADE**.

97-128 Fits Sportster® 1970 & earlier. — SOLD EACH

F. *CLUTCH SPRING TOOLS*

Diaphragm clutch spring compression tools. Makes it easy to remove and re-install retainer ring. **U.S.A. MADE**.

97-126 Fits Big Twin 1990 & later and Sportster® 1991 & later.
97-127 Fits Sportster® 1984 thru 1990. — SOLD EACH

F



97-126



97-127

G. *CLUTCH REMOVAL TOOLS*

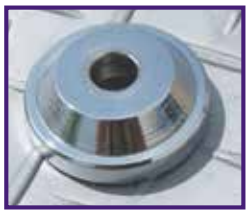
Allows removal of clutch pressure plate, springs and spring retainer as one unit. Unique, self-centering design, polished & chrome plated.

97-31 Clutch removal tool; fits Big Twin 1941 thru 1984. — SOLD EACH

Used to lock outer shell to inner hub for removal and installation.

97-32 Clutch lock plate; fits Big Twin 1941 thru 1984. — SOLD EACH

G



97-31

H



H. *CLUTCH HUB PULLER*

Eliminates the need to remove kickstart cover when removing clutch hub.

97-3 Fits all Big Twins 1941 thru 1983, including hubs with 10 long studs. — SOLD EACH

I. *WHEEL BALANCING WEIGHTS*

Steel weights for press-fit on spoke nipple.

33-202 1/2 Oz. Replaces OEM 95578-61. — SOLD AS PKG. OF 5
33-203 3/4 Oz. Replaces OEM 95581-41.
33-204 1 Oz. Replaces OEM 95582-41.

I



A *STEERING HEAD CUP/RACE PRESS*

The Headcup Press easily and accurately presses steering head races, and select other applications, eliminating damaged or misaligned races/cups; dented and chipped frames. Our unique design permits quick release after races are seated. Multiple bushings provide a precise fit and alignment for most brands and, like all other Park Tools, has a limited lifetime warranty.

97-360 Head cup/race press SOLD EACH



B. *STEERING HEAD CUP REMOVER*

The Park Took head cup remover makes steering head bearing race/cup removal simple. The tool is pulled through the steering tube until the flared ends snap in behind the race/cup. A hammer strike on the tool head removes the race/cup. Now there is no reason to damage another race. Spring blades fit most brands with 35-55 mm races. Made in USA.

97-361 Steering head cup remover SOLD EACH



C. *SHOCK SPANNER*

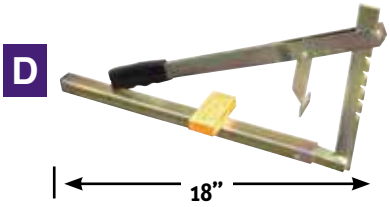
97-2 Works on all H-D® V-Twins 1958 & later, & XL 1958 thru 1974. OEM 94700-65. SOLD EACH



D. *PORTABLE MOTORCYCLE TIRE BEAD BREAKER*

This is a great tool for the home work shop or the touring enthusiast. It will break the bead on any motorcycle wheel that is open in the middle. It can not be used on solid wheels. The tool breaks down for easy storage in saddlebags or bed roll. **USA. MADE**. Includes instructions.

97-207 Motorcycle tire bead breaker. SOLD EACH



E. *INTAKE MANIFOLD WRENCH FOR EVOLUTION®*

Special design for hard-to-reach Evolution® intake manifold bolts on Big Twin & Sportster®.

97-274 Intake manifold wrench. SOLD EACH



F. *STAINLESS STEEL SAFETY WIRE*

Wire comes in a handy 1 pound dispensing canister. Meets ASTM A580 chemistry. SOLD AS ROLL

18-790 22 gage safety wire, .025” dia.; aprox 595 ft. per roll.
18-791 20 gage safety wire, .032” dia.; aprox 362 ft. per roll.
18-792 18 gage safety wire, .041” dia.; aprox 221 ft per roll.



G *SIDE/FRONT JAW PINCERS*

Side/front jaw pincers used to install stepless & standard ear clamps. New side jaw design for use where space is restricted.

97-390 Side/Front jaw pincers. SOLD EACH

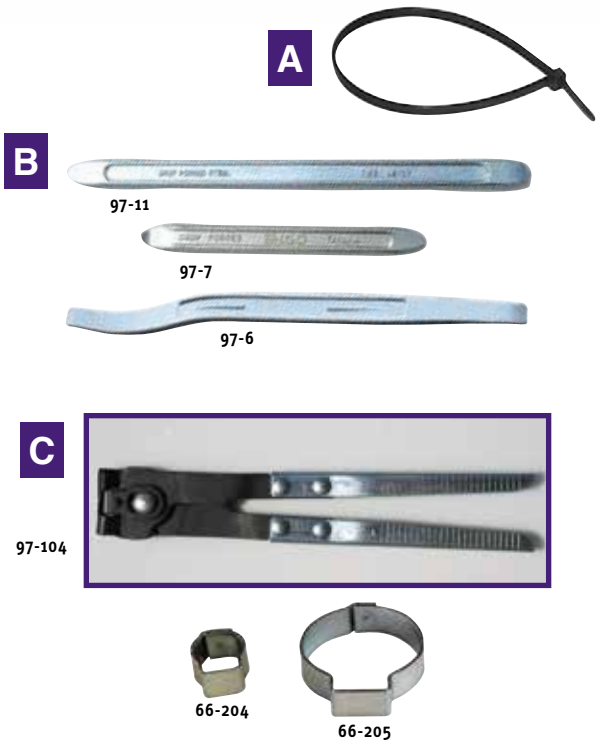


H. *3 PIECE BOX END COMBINATION WRENCH SET*

This 3 piece box end combination wrench set stores neatly in small tool bags and eliminates the need for 6 different tools. Combination wrench sizes are: 7/16” & 1/2”, 9/16” & 5/8” and 11/16” & 3/4”.

97-215 Combination wrench set. SOLD AS SET





A. *CABLE TIES*

Made from weather-resistant UV nylon. Available in different lengths.

18-325	4” Long tie; chrome	SOLD EACH
18-326	8” Long tie; chrome	
18-327	12” Long tie; chrome	
18-12	7” Cable tie; black nylon solid type.	
18-14	11” Cable tie; black nylon solid type.	

B. *TIRE IRONS*

High tension steel.

97-11	Straight tire iron, 9” x 1”.	
97-7	Straight tire iron, 17” x 1”.	SOLD EACH
97-6	Curved tire iron, 17” x 1”.	

C. *HOSE CRIMP TOOL & CLAMPS*

97-104	Hose band clamp crimp tool.	SOLD EACH

66-204	11/32” I.D. For chain oiler. OEM 9992.	SOLD EACH
66-205	7/16” I.D. For chain oiler. OEM 9996.	
66-206	17/32” I.D. For 1/4” fuel line. OEM 10014.	
66-207	19/32” I.D. For oil line. OEM 10084.	
66-208	11/16” I.D. For oil line. OEM 10020A.	
66-209	13/16” I.D. For oil line. OEM 10086.	

BUY CLAMPS AT QTY. 25 OR 50 FOR BEST PRICE

A. *HAYNES REPAIR MANUALS*

80-197 H-D® Twin Cam 88® models: Softail® 2000 thru 2003, Dyna Glide® 1999 thru 2003, Electra Glide®, Road King® & Road Glide®, 1999 thru 2003. "Superbike" format with extra features, including color sections for wiring diagrams, performance data, model history, tools and workshop tips.

80-195 H-D® Big Twin 1970 thru 1999. Covers 1200cc & 1340cc models, including Evolution®.

80-199 H-D® Sportster® 1970 thru 2003. Covers 883cc, 1000cc, 1100cc & 1200cc, including Evolution®, (does not include XR1000). SOLD EACH

B. *CLYMER™ REPAIR MANUALS*

Clymer™ is the most complete source of repair and maintenance information available. Every manual has easy to use information, expert advice and up-to-date instruction that you won't find anywhere else. Clymer™ manuals are written in and easy-to-use format that includes the following features:

- Step-by-step instructions.
- Detailed drawings, exploded views and photos.
- Bold figure numbers to quickly match instructions with illustrations and photos.
- Thumb-tabbed chapters for quick access.
- Two-column layout with large print.
- Numbered table of contents and extensive index.

80-204 Manual for Pan 1948 thru 1965: E, EL, ELF, ELS, ES, F, FL, FLE, FLEF, FLF, FLH, FLHF, FLS, FLSP & FS. SOLD EACH

80-205 Manual for Shovel 1966 thru 1984: FL, FXE, FLH, FXEF, FXB, Super Glide® (FX), FLHS, FXS, FSXB, FX, FXWG & Electra Glide® (FL).

80-206 Manual for Evolution® Big Twin FX/FL Softail® 1984 thru 1999: FXST, FXSTC, FXSTS, FLST, FLSTC & FLSTF/N.

80-207 Manual for Evolution® Big Twin FLH/FLT/FXR/FXSB/FXWG 1984 thru 1998

80-200 Manual for Sportster® 1959 thru 1985: H, CH, XL, XLH, XLCH, XLS, XLCR & XLX.

80-208 Manual for Evolution® Sportster® 1986 thru 2003: XLH 883, XL 883R, XLH 1100 & XL/XLH 1200.

80-209 Manual for Dyna Wide Glide® 1991 thru 1998: FXDB, FXDC, FXDL, FXDWG, FXD, FXDS CONV.

80-244 Manual for Dyna Glide® Twin Cam® 88™ 1999 thru 2005.

80-247 Manual for FLH & FLHR 1999 thru 2005: FLHT, FLHTC, FLHTCI, FLHTCUI, FLHR, FLHRI, FLHRCI, FLTR/FLTRI.

80-210 Manual for Sportster® 2004 thru 2013: XL 883, XL 883C, XL 883L, XL 883R, XL 1200C, XL 1200L & XL 1200R

80-211 Manual for FLS/FXS Twin Cam® 88B, 95B, & 103B 2000-2005: FLSTC/I, FLSTF/I, FSTS/I, FXST/I, FXSTB/I, FXSTS/I, FXSTD/I, FLSTFSE, FLSTN/I, FLSTSC/I, FXSTDES2



HARDWARE /MISCELLANEOUS



NUTS, BOLTS, FASTENERS & MISCELLANEOUS ITEMS

MOTOR SETS — SMOOTH ALLEN HEADS



Knurls have been removed by centerless grinding process. This ensures head purchase contact area is not compromised.

NOTE: If the kits do not contain allen heads or if they are hidden in the application they will not be smooth.

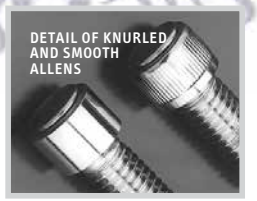
PART NO.	YEAR	MODEL	DESCRIPTION
BIG TWIN			
40-4	1984/1986	5 Speed Evo.® except FXST	Allen head screws for cam, primary, rocker box, lifter base, inner primary, timing plug, motor mount and point cover.
SPORTSTER®			
40-19	1957/1966	XLH	Allen head screws for cam, primary, lifter base, magneto cover, generator, sprocket cover, rocker box and top motor mount.
40-18	1967/1970 1970	XLH XLCH	Allen head screws for cam, primary, magneto cover, top motor mount, lifter base. sprocket cover, rocker box and generator mount.
40-15	Late 1984 & 1985	Iron Head Sportster®	Allen head screws for cam, primary, rocker box, lifter base, top motor mount, oil filter mount and alternator model point/magneto cover.
40-16	1986/1990	XL Evolution®	Allen head screws for cam, primary, rocker box, lifter base, top motor mount, oil filter mount and point cover.

SMOOTH ALLEN KITS FOR SPORTSTER®

Knurls have been removed by centerless grinding process. This ensures head purchase contact area is not compromised. **NOTE:** If the kits do not contain allen heads or if they are hidden in the application they will not be smooth.

PART NO.	YEAR	MODEL	DESCRIPTION
40-102	1957/1969	XLCH	Cam and primary side covers. Allen head screws.
40-104	1986/1990	XL	Cam cover set. Allen head screws.
40-105	1991/1993	XL	Cam cover set. Allen head screws.
40-587	1991 & Later	XL	Cam & sprocket cover set. Allen head screws.
40-109	1957/1985	XL	Cylinder base nut set. Acorn nut style.
40-31	1977/1983	XL	Disc brake caliper mount for front dual disc. Allen head screws.
40-34	1974/1978	XL	Disc brake rotor to hub. Front single. Spoke wheel. Flat head screws.
40-111	1979/1991	XLS	Disc brake rotor to hub. Rear. Spoke or cast wheel. Flat head screws.
40-40	1977/1983	XL	Disc brake to rotor hub. Dual front. Spoke wheel. Flat head screws.
40-593	1986 & Later	XL	Gas tank mount kit. Allen head screws.
40-44	1982/1991	All Models	Handlebar lever mount and master cylinder cover. Button head screws.
40-45	1973/1981	All Models	Handlebar lever mount and master cylinder cover. Allen head screws.
40-46	1974/1980	XL	Handlebar clamp mount. Allen head screws.
40-48	1957/1991		Headlight bracket mount. Allen head screws.
40-51	1976 & Earlier	All Models	Kicker arm set. Upper and lower. Allen head screws.
40-52		All Models	License plate mounting kit. Acorn nut style.
40-53		All Models	License plate bracket to fender. Allen head screws with large washers.
40-54		All Models	License plate mounting kit. Button head screws.
40-114	1991/1993	XL	Motor mount. Lower front. Allen head screws.
40-115	1991/1993	XL	Motor mount. Front upper & top center. Allen head screws.
40-78	1971/1985	Sportster®	Rocker arm shaft end plugs. Allen head screws.
40-79	1957/1970	Sportster®	Rocker arm shaft end plugs. Allen head screws.
40-117	1957/1976	XL	Rocker box bolt set. Acorn nut and stud.
40-119	1971/1976	XL	Rocker box set. Allen head screws.
40-126	1991/1993	XL	Sprocket cover and rear master cylinder mount. Allen head screws.
40-97		All XL except 39mm tubes	Triple tree pinch bolts. Allen head screws.
40-100	1974/1981	All models	Twist grip mount. Allen head screws.

SMOOTH ALLEN KITS FOR BIG TWIN



Knurls have been removed by centerless grinding process. This ensures head purchase contact area is not compromised. **NOTE:** If the kits do not contain allen heads or if they are hidden in the application they will not be smooth.

PART NO.	YEAR	MODEL	DESCRIPTION
40-23	1987/1992	FXR & FLT	Cam, primary and transmission side covers. Allen head screws.
40-24	1936/1969	Big Twin	Cam cover set. Button head screws.
40-586	1999 / 2001	TC 88	Cam cover. Smooth allen head screws.
40-590	1999 / 2001	TC 88	Cam cover sensor kit. Button Torx head screws.
40-26	1989/1993	FXST & FLST	Cam, primary and transmission cover set. Allen head screws.
40-27	1973/1985	Big Twin	Chain sprocket to hub mount with cast rear wheel. Allen head screws
40-28	1973/1985	Big Twin	Chain sprocket to hub mount with spoke rear wheel. Allen head screws.
40-588	1999 / 2001	TC 88	Clutch cover. Button Torx head screws.
40-30	1936/1964	Big Twin	Derby and chain inspection cover. Flat head screws.
40-31	1977/1983	FX	Disc brake caliper mount for front dual disc. Allen head screws.
40-32	1973/1984	FX and FLH with locknuts	Disc brake rotor to hub. Rear. Spoke wheel. Button head screws.
40-34	1974/1978	FX	Disc brake rotor to hub. Front single. Spoke wheel. Flat head screws.
40-35	1978/1992	Big Twin	Disc brake rotor to hub. Rear. Cast wheel. Flat head screws.
40-36	1984/1992	FXST & FXWG	Disc brake rotor to hub. Front single. Spoke wheel. Button head screws.
40-38	1982/1985 1980 & 1981	FLT FLT (Right side front)	Disc brake rotor to hub. Rear. Cast wheel. Flat head screws.
40-40	1977/1983 1982 & 1983	FX FXR	Disc brake rotor to hub. Dual front. Spoke wheel. Flat head screws.
40-591	All models	FXST	Fender rail kit. Allen head screws, flat washers.
40-592	1990 & Later	FXST & FLST	Gas tank mount kit. Allen head screws.
40-43		Pullback and FXWG risers	Handlebar top clamp allen screws. OEM 3488. Screw length: 7/8".
40-44	1982/1992	All Models	Handlebar lever mount and master cylinder cover. Button head screws.
40-45	1973/1981	All Models	Handlebar lever mount and master cylinder cover. Allen head screws.
40-46	1974/1981	Big Twin	Handlebar clamp mount. Allen head screws.
40-47	1948/1977	Big Twin	Head bolt set. Acorn nut and stud.
40-48		All Super Glides®	Head light bracket mount. Allen head screws.
40-49		All Shovels	Header exhaust mount. Allen head screws.
40-50	1970/1985	4 speed Big Twin	Inner primary to motor case. Allen head screws.
40-595	1999 / 2001	TC Softail® & Dyna®	Inspection cover kit. Button Torx head screws.
40-594	1990 & Later	Big Twin	Intake manifold kit. Allen head screws.
40-51	1976 & Earlier	All H-D® models	Kicker arm set. Upper and lower. Allen head screws.
40-52		All models	License plate mounting kit. Acorn nut style.
40-53		All models	License plate bracket to fender mount. Allen head screws and large washers.
40-54		All Models	License plate mounting kit. Button head screws.
40-56	1936/E. 1976	Big Twin	Lifter base bolt set. Oval head screws.
40-57	L.1976/1992	Big Twin	Lifter base set. Acorn nut and stud.
40-596	1999 / 2001	TC 88	Lifter base bolt set. Smooth allen head screws.
40-68		All Pans	Pan cover set for both sides. For use with D-ring. Allen head screws.
40-74	1936/1964	Big Twin	Primary cover set. Allen head screws.
40-77	1984 & Earlier	FX with sissy bar	Rear fender rail set. Allen head screws.
40-78	1971/1985	Shovel	Rocker arm shaft end plugs. Allen head screws.
40-79	1966/1970	Shovel	Rocker arm shaft end plugs. Allen head screws.
40-81	1966/1984	Big Twin	Rocker box nut set. Acorn nut style.
40-598	1999 / 2001	TC 88	Rocker box bolt kit. Smooth allen head.
40-92	1936/1986	Big Twin	Transmission side cover set. Acorn nut style.
40-600	1998	FLHR & FLTR	Transmission side cover set. Allen head screws.
40-599	1998	FLHR & FLTR	Transmission top cover set. Allen head screws.
40-602	1999 / 2001	TC 88 Dyna®	Transmission side cover set. Smooth allen head screws.
40-601	1999 / 2001	TC 88 Dyna®	Transmission top cover set. Smooth allen head screws.
40-97		All FX except 39mm tubes	Triple tree pinch bolt Set. Allen head screws.
40-100	1974/1981	All Models	Twist grip mount set. Allen head screws.



A. *SHOW CHROME ACORN NUTS*

Assortment tray of show chrome acorn nuts. 10 - 24 thru 1/2 - 20. 12 Sizes; 110 pieces.

40-134 Assortment tray. SOLD EACH

REFILL POLYBAGS

Sold as 10 piece bag or 5 piece bag.

40-135	10-24.	BAG OF 10	**40-141**	3/8-16.	BAG OF 10
40-136	10-32.	BAG OF 10	**40-142**	3/8-24.	BAG OF 10
40-137	1/4-20.	BAG OF 10	**40-143**	7/16-14.	BAG OF 10
40-138	1/4-28.	BAG OF 10	**40-144**	7/16-20.	BAG OF 10
40-139	5/16-18.	BAG OF 10	**40-145**	1/2-13.	BAG OF 5
40-140	5/16-24.	BAG OF 10	**40-146**	1/2-20.	BAG OF 5



B. *BUTTON HEAD SCREWS*

Assortment tray of chrome plated button head screws. #8 - 3/8 UNC & UNF. 24 Sizes; 240 pieces. Grade 8.

40-291 Assortment tray. SOLD EACH

REFILL POLYBAGS SOLD AS BAG OF 10

40-292	8 - 32 x 1/2.	**40-304**	1/4 - 28 x 3/4.
40-293	8 - 32 x 5/8.	**40-305**	1/4 - 28 x 1.
40-294	8 - 32 x 3/4.	**40-306**	5/16 - 18 x 1/2.
40-295	10 - 24 x 1/2.	**40-307**	5/16 - 18 x 3/4.
40-296	10 - 32 x 1/2.	**40-308**	5/16 - 18 x 1.
40-297	10 - 32 x 3/4.	**40-309**	5/16 - 24 x 3/8.
40-298	10 - 32 x 1.	**40-310**	5/16 - 24 x 1/2.
40-299	1/4 - 20 x 5/8.	**40-311**	5/16 - 24 x 1.
40-300	1/4 - 20 x 3/4.	**40-312**	3/8 - 16 x 3/4.
40-301	1/4 - 20 x 7/8.	**40-313**	3/8 - 16 x 1.
40-302	1/4 - 20 x 1.	**40-314**	3/8 - 24 x 3/4.
40-303	1/4 - 28 x 1/2.	**40-315**	3/8 - 24 x 1.



C. *SMOOTH ALLEN HEAD SCREWS*

Assortment trays of chrome plated allen head screws. 1/4, 5/16 & 3/8. 24 Sizes; 215 pieces. Grade 8.

40-197 Assortment tray. Coarse thread. SOLD EACH
40-222 Assortment tray. Fine thread.

Assortment trays of chrome plated allen head screws. 8 - 32, 10 - 24, 10 - 32. 18 Sizes; 180 pieces. Grade 8.

40-247 Assortment tray. SOLD EACH

REFILL POLYBAGS

SOLD AS BAG OF 10.

40-248	8 - 32 x 1/2.
40-249	8 - 32 x 7/8.
40-250	10 - 24 x 3/8.
40-251	10 - 24 x 1/2.
40-252	10 - 24 x 5/8.
40-253	10 - 24 x 3/4.
40-254	10 - 24 x 1.
40-255	10 - 24 x 1-1/4.
40-256	10 - 24 x 1-1/2.
40-257	10 - 24 x 1-3/4.
40-258	10 - 24 x 2.
40-259	10 - 32 x 1/2.
40-260	10 - 32 x 5/8.
40-261	10 - 32 x 3/4.
40-262	10 - 32 x 7/8.
40-263	10 - 32 x 1.
40-264	10 - 32 x 1-1/4.
40-265	10 - 32 x 1-1/2.

SOLD AS BAG OF 10.

COARSE PART NO.	SIZE	FINE PART NO.
40-198	1/4 x 5/8	**40-223**
40-199	1/4 x 3/4	**40-224**
40-200	1/4 x 7/8	**40-225**
40-201	1/4 x 1	**40-226**
40-202	1/4 x 1-1/4	**40-227**
40-203	1/4 x 1-1/2	**40-228**
40-204	1/4 x 1-3/4	**40-229**
40-205	1/4 x 2	**40-230**
40-206	1/4 x 2-1/4	**40-231**
40-207	5/16 x 5/8	**40-232**
40-208	5/16 x 3/4	**40-233**
40-209	5/16 x 7/8	**40-234**

SOLD AS BAG OF 10.

COARSE PART NO.	SIZE	FINE PART NO.
40-210	5/16 x 1	**40-235**
40-211	5/16 x 1-1/4	**40-236**
40-212	5/16 x 1-1/2	**40-237**
40-213	5/16 x 1-3/4	**40-238**
40-214	5/16 x 2	**40-239**
40-215	5/16 x 2-1/4	**40-240**
40-216	3/8 x 3/4	**40-241**
40-217	3/8 x 1	**40-242**
40-218	3/8 x 1-1/4	**40-243**
40-219	3/8 x 1-1/2	**40-244**
40-220	3/8 x 1-3/4	**40-245**
40-221	3/8 x 2	**40-246**

A. *GARDNER-WESTCOTT SPECIALITY WASHER KIT FOR H-D®*

This specialty washer kit from Gardner-Westcott has many applications that will save your customers and service department a lot of time searching for that special application washer. Consisting of 24 different parts totaling 590 pieces ranging from copper washers, stainless steel washers with neoprene seal, nylon washers for various drain and filler plug applications and many more.

24-100 Speciality washer kit for H-D® applications. **SOLD EACH**



PART NO	SIZE	DESCRIPTION	OEM NO.
24-101	7/16"	Aluminum banjo bolt washer.	
24-102	1/2"	Brass oil pump plug.	
24-103	1/2"	Nylon drain plug washer.	
24-104	1/2"	Stainless steel oil tank drain plug washer.	
24-105	5/8"	Nylon drain plug washer.	
24-106		Nylon oil filler plug for Big Twin 4 speed.	37091-80
24-107	3/8"	Brass banjo bolt, early.	6377
24-108	3/8"	Nylon washer.	
24-109	3/8"	Neoprene & stainless steel fender washer.	
24-110	3/8"	Aluminum banjo bolt, late.	
24-111	7/16"	Nylon washer.	
24-112	7/16"	Stainless steel rocker shaft washers.	6466
24-113	1/4"	Brass washer for oil screen & pump.	
78-443	1/4"	Copper V2 rocker box cover washer.	6114
24-115	1/4"	Neoprene & stainless steel seat mount washer.	
24-116	8mm	Brass fork drain screw washer.	45406-75
24-117	5/16"	Nylon washer.	
24-119	5/16"	Neoprene & stainless steel fender washer.	6095
24-120	4mm	Brass fork drain screw washer.	45986-73
24-121	#8	Nylon oil pump washer.	
24-122	#10	Nylon washer.	6053
24-123	#10	neoprene & stainless steel washer.	
95-761	1/4"	Nylon side cover washer.	31433-84
24-1	1/4"	Nylon seat mount washer.	6410

SOLD AS BAG OF 10

B. *SHOW CHROME PLUGS FOR ALLENS*



Assortment tray of show chrome plugs for allen head screws. The kit consists of 100 pieces each for 1/4, 5/16 and 3/8. The kit also comes with 3 sample bolts with a hole plug applied for demonstration purposes. 100% metal, made in the **U.S.A. Note:** Plugs also fit corresponding metric bolts.

40-127 Assortment tray. **SOLD EACH**

REFILL POLYBAGS

SOLD AS 50 PIECE BAG OR 10 PIECE BLISTER PACK.

50 PIECE BAG PART NO.	SIZE	**10 PIECE PACK** PART NO.
40-128	1/4	**40-131**
40-129	5/16	**40-132**
40-130	3/8	**40-133**

A



A. *HEX NUTS, LOCK & FLAT WASHERS*

Assortment tray of chrome plated SAE flat and lock washers, and hex nuts in UNC & UNF threads. 1200 Pieces.

40-266 Assortment tray. SOLD EACH

REFILL POLYBAGS

SOLD AS BAG OF 100.

40-267	1/4 - 28	Hex nut.	**40-273**	1/4	Lockwasher.
40-268	5/16 - 24	Hex nut.	**40-274**	5/16	Lockwasher.
40-269	3/8 - 24	Hex nut.	**40-275**	3/8	Lockwasher.
40-270	1/4 - 20	Hex nut.	**40-276**	1/4	Flat washer.
40-271	5/16 - 18	Hex nut.	**40-277**	5/16	Flat washer.
40-272	3/8 - 16	Hex nut.	**40-278**	3/8	Flat washer.

B



B. *NYLON INSERT HEX NUTS*

Assortment tray of chrome plated nylon insert hex nuts. UNC & UNF. 11 Sizes; 105 pieces.

40-279 Assortment tray. SOLD EACH

REFILL POLYBAGS

SOLD AS BAG OF 10 OR BAG OF 5.

40-280	10 - 24.	**BAG OF 10**	**40-286**	3/8 - 16.	**BAG OF 10**
40-281	10 - 32.	**BAG OF 10**	**40-287**	3/8 - 24.	**BAG OF 10**
40-282	1/4 - 20.	**BAG OF 10**	**40-288**	7/16 - 14.	**BAG OF 10**
40-283	1/4 - 28.	**BAG OF 10**	**40-289**	7/16 - 20.	**BAG OF 10**
40-284	5/16 - 18.	**BAG OF 10**	**40-290**	5/8 - 18.	**BAG OF 5**
40-285	5/16 - 24.	**BAG OF 10**			

C



C. *HEX HEAD CAP SCREWS*

Assortment trays of show chrome hex head cap screws. 1/4, 5/16 & 3/8. 24 Sizes; 215 pieces. Grade 5.

40-147 Assortment tray. Coarse thread. SOLD EACH

REFILL POLYBAGS

SOLD AS BAG OF 10.

COARSE PART NO.	SIZE	FINE PART NO.
40-148	1/4 x 5/8	**40-173**
40-149	1/4 x 3/4	**40-174**
40-150	1/4 x 7/8	**40-175**
40-151	1/4 x 1	**40-176**
40-152	1/4 x 1-1/4	**40-177**
40-153	1/4 x 1-1/2	**40-178**
40-154	1/4 x 1-3/4	**40-179**
40-155	1/4 x 2	**40-180**
40-156	1/4 x 2-1/4	**40-181**
40-157	5/16 x 5/8	**40-182**
40-158	5/16 x 3/4	**40-183**
40-159	5/16 x 7/8	**40-184**
40-160	5/16 x 1	**40-185**
40-161	5/16 x 1-1/4	**40-186**
40-162	5/16 x 1-1/2	**40-187**
40-163	5/16 x 1-3/4	**40-188**
40-164	5/16 x 2	**40-189**
40-165	5/16 x 2-1/4	**40-190**
40-166	3/8 x 3/4	**40-191**
40-167	3/8 x 1	**40-192**
40-168	3/8 x 1-1/4	**40-193**
40-169	3/8 x 1-1/2	**40-194**
40-170	3/8 x 1-3/4	**40-195**
40-171	3/8 x 2	**40-196**

CHROME SPACERS

SOLD AS BAG OF 5.

PART NO.	SIZE	PART NO.	SIZE
40-801	1/4" I.D. x 1/8" long	**40-810**	5/16" I.D. x 1/2" long
40-802	1/4" I.D. x 1/4" long	**40-811**	5/16" I.D. x 3/4" long
40-803	1/4" I.D. x 3/8" long	**40-812**	5/16" I.D. x 1" long
40-804	1/4" I.D. x 1/2" long	**40-813**	3/8" I.D. x 1/8" long
40-805	1/4" I.D. x 3/4" long	**40-814**	3/8" I.D. x 1/4" long
40-806	1/4" I.D. x 1" long	**40-815**	3/8" I.D. x 3/8" long
40-807	5/16" I.D. x 1/8" long	**40-816**	3/8" I.D. x 1/2" long
40-808	5/16" I.D. x 1/4" long	**40-817**	3/8" I.D. x 3/4" long
40-809	5/16" I.D. x 3/8" long	**40-818**	3/8" I.D. x 1" long


40-804


40-812


40-815

CHROME HORSE® HARDWARE USA MADE

A. CHROME HORSE® STAINLESS STEEL ALLEN HEAD SCREWS

U.S.A. MADE stainless steel.
SOLD AS BAG OF 10.

SIZE	FINE PART NO.
1/4 x 5/8	**40-401**
1/4 x 7/8	**40-403**
1/4 x 1-1/2	**40-406**
1/4 x 1-3/4	**40-407**
1/4 x 2	**40-408**
1/4 x 2-1/4	**40-409**
5/16 x 1-3/4	**40-416**

B. CHROME HORSE® STAINLESS STEEL HEX HEAD SCREWS

SOLD AS BAG OF 10.

COARSE PART NO.	SIZE	FINE PART NO.	COARSE PART NO.	SIZE	FINE PART NO.
—	1/4 x 5/8	**40-353**	—	5/16 x 5/8	**40-362**
—	1/4 x 3/4	**40-354**	—	5/16 x 3/4	**40-363**
—	1/4 x 7/8	**40-355**	—	5/16 x 7/8	**40-364**
—	1/4 x 1-1/4	**40-357**	—	3/8 x 3/4	**40-371**
—	1/4 x 1-1/2	**40-358**	—	3/8 x 1	**40-372**
40-335	1/4 x 1-3/4	**40-359**	—	3/8 x 1-1/4	**40-373**
—	1/4 x 2	**40-360**	—	3/8 x 1-1/2	**40-374**
40-337	1/4 x 2-1/4	**40-361**	**40-351**	3/8 x 1-3/4	**40-375**
			40-352	3/8 x 2	**40-376**

C. CHROME HORSE® STAINLESS STEEL HEX NUTS

U.S.A. MADE stainless steel hex nuts in UNF threads.

40-429	1/4 - 28	Hex nut, UNF.	**PKG. OF 100**
40-434	7/16 - 20	Hex nut, UNF.	**PKG. OF 5**

A. CHROME PLATED FLATWASHERS

PART NO.	DIA.	QTY. PER PKG.
41-540	1/4"	12
41-541	5/16"	12
41-542	3/8"	6
41-543	7/16"	6

SOLD AS KIT

B. COUNTERSUNK WASHERS

PART NO.	DIA.	QTY/ PER PKG.
41-133	1/4"	8
41-134	5/16"	8
41-135	3/8"	5

SOLD AS KIT

C. COLONY PIKE NUTS

PART NO.	DIA.	QTY. PER PKG.
40-711	1/4"-24 H.D.	5
40-713	1/4"-28 SAE	5
40-714	5/16"-24 SAE	4
40-715	3/8"-24 SAE	3
40-716	7/16"-20 SAE	2
40-717	1/2"-20 SAE	1
40-718	9/16"-18 SAE	1
40-720	5/8"-18 SAE 1-1/4"	1
40-722	1/4"-20 UNC	5
40-723	5/16"-18 UNC	4
40-724	3/8"-16 UNC	3
40-726	1/2"-13 UNC	1
40-728	5/8"-11 UNC 1"	1
40-729	5/8"-11 UNC 1-1/4"	1

SOLD AS KIT

A



B



C





A





A. *CHROME PLATED ACORN NUTS & CAP NUTS*

No mix-ups — display skin packaged with labeling of thread size & stock number.

ACORN	THREAD SIZE	QTY. PER PKG.	CAP
41-500	1/4-24 H-D®	5	—
41-501	1/4-28 SAE	5	**41-521**
41-502	5/16-24 SAE	4	**41-522**
41-503	3/8-24 SAE	3	**41-523**
41-504	7/16-20 SAE	2	**41-524**
41-505	1/2-20 SAE	1	**41-525**
41-506	9/16-18 SAE	1	**41-526**
41-507	5/8-18 SAE	1	**41-527**
41-508	1/4-20 UNC	5	—
41-509	5/16-18 UNC	4	—
41-510	3/8-16 UNC	3	—
41-511	7/16-14 UNC	2	**41-531**
41-512	1/2-13 UNC	1	**41-532**
41-513	9/16-12 UNC	1	**41-533**
41-514	5/8-11 UNC	1	**41-534**

B



41-855



41-979



98-299



98-490

41-859



ALL TIMING PLUGS CHROME PLATED

COLONY

C



41-983

D



41-166



41-162



41-164

41-165





41-167



41-163

B. *TIMING PLUGS*

Acorn style plug fits all models H-D® Big Twin & Sportster® timing plug holes and oil tanks with 5/8 - 18 drain holes.

41-855 Acorn style; chrome plated. SOLD EACH

Acorn style plug with an oversize thread and one tap for rethreading the stripped out timing hole. Fits all H-D® timing holes.

41-859 Oversize chrome plated acorn plug only SOLD EACH

Quality reproduction of stock timing plug for FL & XL 1952 thru 1969. Replaces OEM 704.

98-299 Reproduction style; chrome plated. SOLD EACH

Exact duplicate of OEM 2326-26. Fits timing plug on Big Twin 1936 thru 1939 and Sportster® timing plug holes and oil tanks with 5/8 - 18 drain holes. Oil fill on 45" models 1940 & earlier.

41-979 Functional, custom design style. SOLD EACH

Chrome plated duplicate of allen style plug used on all models H-D® 1970 & later. Replaces OEM 720.

98-490 Allen timing plug; chrome plated. SOLD EACH

C. *DRAIN PLUGS*

Quality reproduction of drain plug and brass gasket used on Sportster® transmission, motor case, oil tank, and Big Twin 1937 thru 1986 transmission. 1/2 - 13 thread. SOLD EACH

41-983 Cad plated plug. OEM 707.

41-25 Washer only. OEM 62702-52.

This plug fits all H-D® oil tank drain holes with 5/8 - 18 hole. Also transmission oil fill on 45" models 1940 & earlier.

41-979 Chrome plated plug. SOLD EACH

D. *MAGNETIC DRAIN PLUGS*

Magnetic drain plugs have been proven to add to the life of your engine and transmission by removing metal particles from the oil. Cheap insurance! Cad plated.

41-162 Replaces OEM 707. 1/2 - 13 Drain plugs are. used on 1941 thru 1986 Big Twin 4 speed and 1954 thru 1976 Sportster® engine case and stock oil tank. SOLD EACH

41-163 Replaces OEM 734. 1/8 - 27 NPT hex head. Used for various aftermarket oil tank drain plugs and 1987 thru 1989 Big Twin inner primary.

41-164 Replaces OEM 722. 3/8 - 18 Plug used on FXR & FLT 5 speed transmission.

41-165 Replaces OEM 60348-65A, B. 1/2 - 20 Plug is used on 1979 & later XL engine, 1991 & later Dyna® & FLT transmission drain plug, 1965 thru 1984 Big Twin inner primary, and 1981 thru 1989 Big Twin OEM oil tank.

41-166 Replaces OEM 718. 1/4 - 18 Plug is used on 1980 thru 1984 FXR & FLT outer primary covers.

41-167 Replaces OEM 739A. 1/8 - 27 NPT internal hex head. Used on 1985 & later Big Twin outer primary and trap door.

CUSTOM CHROME PLATED HEX HEAD OIL PUMP PLUGS FOR BIG TWIN 1936 & LATER

41-885	Oil pump relief valve plug, 1968 thru 1980. OEM 26377-68.	SOLD EACH
41-886	Tappet oil screen plug, 1970 thru 1980. OEM 657.	
41-888	Tappet oil screen, oil pump check valve, relief valve plug 1981 & later. OEM 26263-80.	
41-889	Tappet oil screen, 1952 thru 1965. OEM 24987-52.	CHROME PLATED
41-890	Tappet oil screen plug, 1966 thru 1969. OEM 655.	
41-891	Complete set of 3 plugs: tappet oil screen, oil pump check valve, and relief valve plug, 1970 thru 1980.	SOLD AS SET
41-892	Complete set of 3 plugs: tappet oil screen, oil pump check valve, and relief valve plug, 1981 & later. OEM 26263-80.	



CHROME ALLEN SCREW & NUT KITS FOR SPORTSTER®

COLONY

PART NO.	APPLICATION
41-790	Brake cable adjuster (front) for Sportster® 1952 thru 1972.
41-751	Disc brake rotor bolt & nut kit for Sportster® (front) 1973.
41-752	Disc brake rotor-to-hub screw kit for Sportster® 1974 thru 1977.
41-753	Disc brake rotor-to-hub screw kit for Sportster® 1978 thru 1982.
41-792	Disc rear brake rotor-to-hub screw & nut kit for XL & FX, 1979 & later, and FL (spoke or cast) 1981 thru 1984.
41-754	Disc front brake rotor-to-hub screw kit for Sportster® 1984 & later.
41-757	Fork bracket cover screw kit for Sportster® 1952 & later.
41-760	Handlebar clamp screw kit for Sportster® 1974 thru 1981.
41-796	Oil pump mounting kit for Sportster® 1977 thru 1990.
41-774	Point cover screws for all H-D® 1979 & later.
41-800	Rocker box screw kit for Sportster® 1977 thru 1985.
41-937	Rocker cover screw kit for XL 1986 & later.
41-779	Rocker shaft end plug & cap nut kit for Sportster® 1971 thru 1984.
41-802	Sprocket cover screw kit for Sportster® 1977 thru 1985.

ACORN NUT KITS — CAP NUT KITS FOR H-D® SPORTSTER®

ACORN	APPLICATION	CAP
41-598	Air cleaner screws for Sportster® & 74" pre-1978 with stock air cleaner.	**41-700**
41-545	Axle kit (rear) for Sportster® 1979 & later.	—
—	Cam cover screw kit for Sportster® 1971 thru 1985.	**41-701**
41-921	Cam cover screw kit for XL 883cc & 1100cc, 1986 & later.	—
41-605	Cylinder base nut kit for XLR style Sportster® 1957 thru 1985.	—
41-553	Handlebar clamp & gauge mount kit for Sportster® 1983 & later.	—
41-554	Handlebar clamp mount kit for Sportster® 1974 & later.	—
41-906	Head bolt covers for all Evolution® 1985 thru 1992.	**41-908**
41-609	Head bolt kit for Sportster® 1973 thru 1985.	—
41-402	License plate mounting kit.	**41-706**
41-610	Lifter base screw kit for Sportster® 1957 thru 1985.	—
41-923	Lifter base screw kit for XL 883cc & 1100cc, 1986 thru 1990.	—
41-926	Oil filter adapter screw kit for XL 883cc & 1100cc, 1986 thru 1990.	—
41-615	Primary cover screw kit for XLH 1967 thru 1970 and XLCH 1970.	—
—	Primary cover screw kit for Sportster® 1971 thru 1976.	**41-708**
41-927	Primary cover screw kit for XL 883cc & 1100cc, 1986 thru 1990.	—
41-618	Rocker box screw kit for Sportster® 1957 thru 1976.	—
41-587	Rocker shaft nut & washer kit for Sportster® 1957 thru 1985.	**41-418**
41-620	Sprocket cover screw kit for Sportster® 1957 thru 1970.	—
—	Sprocket cover screw kit for Sportster® 1971 thru 1976.	**41-713**
41-622	Sprocket cover screw & nut kit for Sportster® 1977 thru 1985.	—
41-929	Sprocket cover/master cylinder mounting kit for XL 883cc & 1100cc, 1986 & later.	—
41-588	Switch housing screws for Sportster® 1973 thru 1981.	—
41-623	Tachometer drive block-off plug for Sportster® 1957 thru 1984.	—



















ACORN NUT KITS — CAP NUT KITS FOR KNUCKLE, PAN, SHOVEL, EVOLUTION® & TC88™

ACORN	APPLICATION	CAP
41-545	Axle kit (rear) for Big Twins 1973 & later.	—
41-546	Circuit breaker screw kit for Big Twins 1936 thru 1957.	—
41-547	Cylinder base nut kit for Big Twins 1936 thru 1977.	—
41-548	Cylinder base nut kit for Shovel 1978 thru 1984.	—
41-549	Dash mounting kit for FXS.	—
41-551	Generator screw kit for Big Twins 1936 thru 1957.	—
41-553	Handlebar clamp & gauge mount kit for FX 1983 & later.	—
41-554	Handlebar clamp mount kit for FX 1974 & later.	—
41-906	Head bolt covers for all Evolution® 1985 thru 1992.	**41-908**
41-560	Kickstand mounting kit for Big Twins 1936 & later.	—
41-349	Knuckle nuts for Knucklehead 1936 thru 1947.	—
41-561	Lifter base screw kit for O.H.V. Big Twins 1936 thru 1975.	—
41-562	Lifter base screw kit for Big Twins 1976 & later.	—
41-152	Lifter base hardware for Twin Cam 88™ 1999 & later.	—
41-563	Late lifter bases to early case conversion kit.	—
41-564	Motor case stud & nut kit for Flathead 1936 thru 1939.	—
41-565	Motor case stud & nut kit for Flathead 1940 thru 1948.	—
41-566	Motor case stud & nut kit for Knucklehead 1936 thru 1939.	—
41-570	Motor case stud & nut kit for Shovel 1970 thru 1978.	—
41-571	Motor case stud & nut kit for Shovel & Evolution®, 1979 thru 1995.	—
41-159	Motor case stud & nut kit for Twin Cam 88™ Dyna®, FLT & Softail®	—
41-573	Motor mount kit (upper) for Big Twins 1936 thru 1984.	—
41-575	Oil pump screw kit for Big Twins 1968 thru 1977.	—
41-576	Oil pump screw kit for Big Twins 1978 thru 1991.	—
41-155	Oil hose cover screw kit for Twin Cam 88™ 1999 & later.	—
41-581	Primary cover screw kit for all Big Twin 5 speed 1980 thru 1984.	**41-684**
—	Primary cover screw kit for Big Twin 5 speed 1985 & later (except 1989 FXST.)	**41-915**
41-914	Primary cover screw kit for Softail® 1989 & later, and Dyna Glide® 1991 & later.	—
41-582	Rocker arm cover screw kit for all Pan.	—
—	Rocker box bolt kit for Knucklehead 1936 thru 1947.	**41-686**
41-584	Rocker box nut kit for Shovel 1966 thru 1984.	—
41-587	Rocker shaft nut & washer kit for Shovel 1966 thru 1984.	**41-418**
41-588	Switch housing screw kit for Big Twins 1973 & later.	—
41-592	Transmission filler cap/dipstick for FLT & 5 speed 1985 & 1986.	—
41-594	Transmission screw & nut kit for FLT 1980 thru 1985 and 5 speed.	**41-691**
—	Transmission side cover nut kit for Big Twin 1936 thru 1984 4 speed.	**41-692**
41-596	Transmission side cover nut kit for all Big Twin 4 speed 1936 thru 1984. Shovel & Evolution® 4 speed use on long studs.	—
—	Transmission shifter cover screw kit for FL & FX, Evolution® 1987.	**41-919**
41-913	Transmission shifter cover screw kit for FL & FX, Evolution® 1988 & later.	—
41-156	Transmission shifter cover screws for FLT/ST.	

CHROME ALLEN SCREW & NUT KITS FOR KNUCKLE, PAN, SHOVEL, EVOLUTION® & TC88™

COLONY

PART NO.	APPLICATION
41-751	Disc brake rotor bolt & nut kit for FL (rear) 1973 thru 1980, and FL (front) 1973 & 1974, and FX 1973.
40-320	Thin hex head disc brake rotor bolt & nut kit for FL (rear) 1973 thru 1980,FL (front) 1973 & 1974, and FX 1973.
41-752	Disc brake rotor-to-hub screw kit for FX 1974 thru 1977.
41-753	Disc brake rotor-to-hub screw kit for FX 1978 thru 1982.
41-754	Disc front brake rotor-to-hub screw kit for FX, FXR & FLT, 1984 & later.
41-755	Disc rear brake rotor-to-hub screw & nut kit for FX, FXR & FLT, 1981 & 1982. Will only work with cast wheel.
41-756	Disc front brake rotor-to-hub screw & nut kit for FXST & FXWG, 1984 & later.
41-897	Disc front brake rotor to hub screw & nut kit for FXWG 1978 thru 1983.
41-898	Sprocket bolt & nut kit for FL, FX & XL, with chain drive and spoke rear wheel, 1973 & later
41-899	Sprocket bolt & washer kit for FL & FX, 1973 & later, XL 1973 thru 1991, with cast rear wheel, including belt drive.
41-900	Sprocket bolt & nut kit fits FXWG & FXRS, with belt drive & spoke rear wheel, 1985 & later.
41-901	Disc brake rotor to hub kit for front or rear cast wheel FLT 1982 thru 1985.
41-757	Fork bracket cover screw kit for FX 1971 & later.
41-760	Handlebar clamp screw kit for FX 1974 thru 1981.
41-766	Head bolt & washer 12 point big bore kit for Pan & Shovel, 1948 & later.
41-767	Lifter base screw kit for Big Twin 1936 thru 1976.
41-768	Lifter base screw kit for Big Twin 1976 & later.
41-150	Motor mount (front) hardware for Dyna®, 1991 & later.
41-770	Oil pump mounting kit for OHV Big Twin 1936 thru 1967.
41-772	Oil pump mounting kit for Shovel & Evolution®, 1978 thru 1991.
41-774	Point cover screws for all H-D® 1979 thru 1992.
41-131	Point cover screws for Big Twin, 1993 & later.
41-775	Primary cover screw kit for Big Twin 1936 thru 1964.
41-776	Primary cover screw kit for Shovel & Evolution® 4 speed, 1971 & later.
41-777	Primary cover screw kit for Shovel & Evolution® 5 speed, 1980 thru 1984.
41-935	Primary cover screw kit for FXR & FLT 5 speed, 1985 & later.
41-936	Primary cover screw kit for Softail® 1989 & later and Dyna Glide® 1991 & later.
41-937	Rocker cover screw kit for FX & FL 1985 & later.
41-779	Rocker shaft end plug & cap nut kit for Shovel 1971 & later.
41-780	Timing cover screw kit for Big Twin 1936 thru 1970.
41-781	Timing cover screw kit for Shovel & Evolution®, 1971 thru 1992.
41-131	Timing cover screw kit for Big Twin V2, 1993 & later.
98-490	Timing plug allen. Chrome plated duplicate replaces OEM 720.
41-149	Transmission-to-motor mounting hardware for Twin Cam 88™, 1999 & later.
41-782	Transmission side cover screw kit for Big Twin 4 speed, 1936 thru 1984.
41-939	Transmission side cover screw kit for FX & FL 1987 & later, Softail® and Dyna® 1991 & later.
41-695	Transmission top cover screw kit for Big Twin 1936 thru 1964. Cad plated - stock.
41-784	Transmission top cover screw kit for Big Twin 1965 thru 1979.

CHROME ALLEN SCREW & NUT KITS FOR KNUCKLE, PAN, SHOVEL, EVOLUTION® & TC88™ CONTINUED ON NEXT PAGE

ACORN NUT SETS

Neatly packaged acorn nuts available in many popular American SAE & UNC sizes.

PART NO.	SIZE	QTY. SOLD PER CARD
41-17	10 - 32 SAE	**5 on card.**
41-16	10 - 24 UNC	**5 on card.**
41-5	1/4 - 28 SAE	**5 on card.**
41-8	1/4 - 20 UNC	**5 on card.**
41-2	5/16 - 24 SAE	**4 on card.**
41-1	5/16 - 18 UNC	**4 on card.**
41-4	3/8 - 24 SAE	**3 on card.**
41-3	3/8 - 16 UNC	**3 on card.**
41-9	7/16 - 20 SAE	**2 on card.**
41-12	7/16 - 14 UNC	**2 on card.**
41-6	1/2 - 20 SAE	**1 on card.**
41-13	1/2 - 13 UNC	**1 on card.**
41-11	5/8 - 18 SAE	**1 on card.**

CHROME PLATED



41-5



41-3

41-6

A



40-318

53-195

B



C



CHROME PLATED

D



E



41-217

F



41-415



41-219

A. *ROCKER ARM COVER NUT KITS FOR SHOVEL*

Kit includes 18 hex nuts and 18 flat washers. For 1966 thru 1983. Replaces OEM 7753 and 6016.

40-318 Colony kit. Chrome plated. SOLD AS KIT

B. *INDIVIDUAL CHROME STOCK HARDWARE KITS FOR H-D®*

These kits are manufactured to the consistent high quality standards that everyone has come to expect from Colony. No compromise has been made that would sacrifice their quality or authenticity. These kits are perfect for restorations or for motor rebuilders who prefer the stock H-D® fasteners.

PART NO.	APPLICATION
41-870	Transmission top cover screw kit for Big Twin, 1936 & later.
53-195	Generator screw kit for Big Twin, 1936 thru 1957.
53-194	Generator screw kit for Big Twin, 1958 thru 1970.
33-118	Wheel hub star cover screws, 1965 & earlier.
53-241	Generator screws for H-D® 45", 1958 thru 1973.

C. *REPLACEMENT MOTOR CASE NUT, BOLT & STUD KIT FOR H-D®*

These stock style chrome plated complete motor case kits contain all the necessary hardware to bolt together the Harley® motor cases. Each kit is packaged for the specific application; there are no universal "fits all" kits. Colony knows that a rebuild job can be only as good as the nuts & bolts that hold it together.

PART NO.	APPLICATION
41-875	Flathead 1936 thru 1939.
41-881	Big Twins 1970 thru 1978.
41-882	Big Twins 1979 thru 1995.
41-142	Big Twins Evolution® 1996 & later.

D. *ROCKER BOX ALLEN SCREW KITS*

91-302 For Pan with thick D-ring. For both cylinders; 24 1/4" long bolts
41-412 For Sportster® rocker box cover, 1977 thru 1985. 14 Screws.

E. *HANDLEBAR ALLEN SCREW KITS*

Handlebar bolt kit (4 screws) to fasten riser top on 74" & Sportster®, all models 1974 thru 1981. 5/16 x 18.

41-413 Chrome plated kit. SOLD AS KIT
41-217 1981 & up XL & FX. SOLD AS KIT
41-414 Light control & switch screws for H-D® 74" & Sportster®, 1972 thru 1981. SOLD AS KIT
41-218 Handlebar Switch Boxes 1996 & up. SOLD AS KIT

F. *LIFTER BASE ALLEN SCREW KIT FOR BIG TWIN*

Lifter base screws. Oval head socket.

91-348 Chrome plated, for 1936 thru 1976. SOLD AS KIT 8 PER PKG.
41-415 Chrome plated, for 1976-1/2 thru 1999.
41-219 Chrome polished smooth 1999 & up Dyna and FLT 2000 & up Softail®.
41-220 Stainless Steel Polished 1999 & up Twin Cam®

ALLEN SCREW SETS FOR HARLEY-DAVIDSON® BY GARDNER - WESCOTT

PRIMARY & CAM COVER SCREWS — BOTH SIDES

41-404	Sportster® 1971-1976.	SOLD AS SET
41-405	Sportster® 1977-1985.	
41-200	Sportster® 1986-1990.	
41-201	Sportster® 1991-2003.	
41-202	Sportster® 2004 & up.	
41-406	Big Twin 1970-1986.	
41-203	1987-1999 Softail®.	
41-204	1991-1998 Dyna®.	
41-205	1999 & up FLT.	
41-206	1999-2005 Dyna®.	
41-207	2000 & up Softail®.	
41-208	2006 & up Dyna®.	


41-404

PRIMARY COVER SCREWS

41-334	Sportster® 1971-1976.	SOLD AS SET	CHROME PLATED
41-416	Big Twin 1965-1969.		
41-333	Big Twin 1970-1985. 4 Speed.		
41-212	1989-1998 Softail® & 1999-1998 Dyna®.		
41-213	2000 & up Softail® & 1999-2005 Dyna®.		
41-214	1999 & up FLT.		
41-215	2006 & up Dyna®.		


41-213


41-209


41-335


41-948


41-950

CAM COVER SCREWS

41-332	Big Twin 1970 & later.	SOLD AS SET
41-209	1987-1999 Softail®.	
41-210	1991-1998 FXR & Dyna®.	
41-211	1999 & up FLT, Dyna® & 2000 & up Softail®.	
41-335	Sportster® XLH & XLCH, 1971 & later.	

ULTIMA® MOTOR BOLT KIT

Complete motor bolt kit for all Ultima® engines, except shovel-head.

40-619 Ultima® motor bolt kit.

POINT COVER SCREWS

41-407	Big Twin 1970 thru 1978. Sportster® XLH & XLCH, 1971 thru 1978. Set includes gasket.	SOLD AS SET
41-216	Timing Cover 1999 & up Twin Cams®.	

CARBURETOR ALLEN KITS

41-419	Keihin carb on Big Twin 1976-1988 and XL 1976-1987.	SOLD AS SET
41-946	Keihin carb on Big Twin 1990 & later and XL 1988 & later.	
41-948	For S&S® Super "B".	
41-950	For S&S® Super "E" and "G" Shorty.	

A. *DIE CAST DOMED COVERS*

Beautifully chromed die cast aluminum covers give that classic chromed look. Use on 1999 & later Twin Cam 88™.

89-498	Derby cover. Replaces OEM 25415-99.	SOLD EACH
89-497	Five hole ignition cover. Replaces OEM 32679-99. Includes five button head chrome allen screws & wrench. No gasket provided.	

A


89-498

CHROME PLATED


89-497

B. *TURBO-COVERS*

Our line of custom Turbo-Covers are chrome plated with black button head allen screws. The screws are only functional where stock covers bolt up. SOLD EACH

89-310	Inspection cover without peg & shifter hole. Replaces OEM 60572-78.

B


89-310

CHROME PLATED

C. *SKULL COVERS*

SOLD EACH

89-601	Ignition cover with 5 holes, for Twin Cam 88® 1999 & later. Replaces OEM 32679-99.
89-604	Derby cover for Big Twin 1970 thru 1998. Replaces OEM 25414-70. Not shown.
89-605	Derby cover for Twin Cam 88® 1999 & later. Replaces OEM 25415-99. Not shown.

C


89-605

A



21-321

A. *CHROME OIL PRESSURE GAUGE BRACKET*

Oil pressure gauge bracket fits Big Twin Evolution® 1984 & later.

21-321 Chrome plated mount. SOLD EACH

B



33-179



33-181

B. *TIRE VALVE STEM COVERS*

33-179 Flared. Fits metal or rubber stems. SOLD EACH
33-181 Bullet shaped. Screws on metal stem.

C. *ACORN LICENSE PLATE MOUNTING HARDWARE*

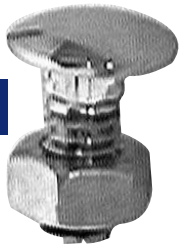
41-402 Hardware and rubber insulators fit all slotted brackets on many makes & models. SOLD AS SET

C



CHROME PLATED

D



CHROME PLATED

D. *CARRIAGE BOLT & NUT*

Bolts and nuts.

24-118 5/16" -18 x 3/4" Long. SOLD AS PKG. OF 10

E. *SIDE COVERS FOR 2004 XL*

89-535 Right side oil tank cover. Chrome. eplaces OEM 66262-04. SOLD EACH
89-536 Left side battery cover. Chrome. Replaces OEM 66261-05.

E



CHROME PLATED

F. *IGNITION MODULE COVER FOR SPORTSTER®*

Add a little chrome to an otherwise dark area.

89-320 For Sportsters® 1982 & later. Replaces OEM 66328-82T. SOLD EACH

G. *SIDE COVERS FOR FXR*

89-242 Fits FXR & FXRS, 1982 & later. OEM 66351-82 & 66356-82. SOLD AS SET

F



CHROME PLATED

G



CHROME PLATED

H. *"BIG DADDY" SKULLS*

Same fine detail and bright plating as our smaller skulls. 1-1/2" High, 1" wide. With 8mm stud & nut.

41-975 Chrome with Black eyes. SOLD EACH

CHECK QUANTITY DISCOUNT FOR BEST PRICE

H



I. *"ELECTRIC" KROMETS*

"Electric" Kromets are great for license hold down bolts — gives extra light to rear of bike. They can be used any place you may normally use the standard kromets. Easy mounting with hollow mount stud for wiring. 12V.

41-971 "Electric" kromet. Red. SOLD EACH
41-972 "Electric" kromet. Amber.
41-973 "Electric" kromet. Blue.

I





CHROME PLATED

A. *SKULL KROMETS*

A decorative fastener that can be used anywhere on the bike but is best suited for license plate mounting. The finish and detail of the skull is top quality. Comes with removable stud, nut, lock and flat washer. 1" High, 5/8" wide. 1/4-20.

A



CHROME SKULLS

41-960 Painted Black eyes. SOLD EACH
41-961 Purple jeweled eyes.
41-962 Indigo Blue jeweled eyes.
41-963 Crimson Red jeweled eyes.
41-964 Emerald Green jeweled eyes.
41-965 Golden jeweled eyes.

GOLD SKULLS

41-966 Painted Black eyes. SOLD EACH

B



CHROME PLATED

CHECK QUANTITY DISCOUNT FOR BEST PRICE

B. *KROMETS*

A decorative fastener which can be used anywhere on the bike.

41-284 Sold as package of twenty. SOLD AS PKG

MIDWEST PART NUMBER / PAGE NUMBER REFERENCE

To find items quickly, click on the magnifying glass icon at the top of the page and type in your search parameters.

X CLOSE

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5-159	7.70
5-160	8.5
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5-201	7.62
5-202	7.62
5-203	7.62
5-208	2.19
5-209	2.19
5-212	2.21
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5-214	2.18
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5-220	1.5
5-225	2.19
5-226	2.19
5-227	2.19
5-230	2.23
5-232	1.36
5-233	1.36
5-234	7.70
5-235	2.4
5-237	8.6
5-238	8.6
5-239	8.6
5-240	2.20
5-243	2.21
5-245	8.5
5-246	8.5
5-251	3.20
5-252	3.20
5-258	2.18
5-261	2.7
5-262	6.82
5-286	8.38
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5-290	8.38
5-301	3.21
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6-3	1.18
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6-7	1.18
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298-258U	6.9
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H-D® / MIDWEST PART NUMBER CROSS REFERENCE

The following is a list of Harley-Davidson® part numbers with the corresponding MIDWEST part numbers. The use of H-D® part numbers is for reference only and are not intended to imply that any parts that we sell are H-D® original equipment. It is our desire to supply our customers with parts equal to or better than original equipment.

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11002	98-329	6.99
11004	53-311	1.40
11005	96-481	7.54
11007	98-266	6.92
11020	96-685	7.16
11027	33-184	5.17
11031	47-102	4.18
11036	47-103	4.16
11039	96-310	1.48
11052	96-480	7.54
11067	96-621	7.3
11096	96-452	7.4
11100	95-700	6.72
11101	95-701	6.66
11105	95-703	6.112
11106	95-704	6.120
11110	95-706	6.117
11115	95-798	6.112
11116	95-707	6.119
11119	95-708	6.120
11124	95-709	6.96
11125	95-190	7.90
11132	95-241	6.66
11133A	95-711	6.114
11139	95-712	6.118
11143	45-34	4.26
11145	95-713	6.68
11147	95-714	6.109
11148	95-715	6.112
11157	95-716	6.68
11158	83-24	2.7
11161	95-433	7.3
11165	95-717	7.3
11166	95-799	6.112
11167	95-718	6.117
11168	95-719	6.117
11171	95-721	6.112
11176	95-722	6.117
11178	95-795	6.112
11179	95-723	6.112
11187	95-724	6.118
11188	95-725	6.118
11190	95-726	6.108
11207	33-184	5.17
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12010	95-779	6.112
12013	95-728	6.112
12013A	95-789	6.112
12014	95-778	6.112
12018	95-784	6.112
12022	95-780	6.112
12023	95-730	6.119
12026B	95-731	6.111
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12035A	95-793	7.3
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12036A	95-734	6.118
12043	95-797	6.112
12044A	95-796	6.112
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12046DL	95-735	7.34
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12051	95-788	6.112
12052	95-737	6.109
12052DL	95-790	6.109
12053	95-738	7.90
12066	95-794	6.109
12067A	95-791	7.3
1211	96-192	7.91
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16212-84A	5-127	2.19
16219-79A	5-193	2.20
16236-89T	5-127	2.19
16464-73B	93-259	6.72
16465-73B	93-260	6.72
16483-48	93-373	6.59
16484-48	93-273	6.64
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16491-41	93-266	6.62
16492-48	93-273	6.64
16492-74A	93-271	6.66
16493-48	93-273	6.64
16602-30	41-401	6.62
16664-86	78-350	6.70
16769-57	78-63	6.72
16770-66B	78-61	6.66
16773-85	78-352	6.68
16774-72	78-41	6.72
16774-86A	78-353	6.70
16776-63	78-33	6.64
16777-63	78-51	6.64
16777-83A	78-355	6.121
16777-84A	78-356	6.110
16779-84A	78-357	6.68
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16814-77	93-421	6.36
16837-85B	93-618	6.68
16853-48	5-76	2.18
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17026-79	77-323	6.118
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17026-86A	77-313	6.116
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17029-80	77-332	6.113
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17030-72A	77-327	6.118
17030-72B	77-328	6.118
17030-86A	77-316	6.116
17030-88A	77-317	6.116
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17030-91	77-319	6.116
17032-91	77-309	6.116
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17034-48	77-335	6.113
17034-66X	77-334	6.113
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17040-92A	77-304	6.110
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17042-92	77-306	6.110
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17356-84A	78-364	6.110
17356-92	78-365	6.110
17358-84A	78-366	6.116
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17375-66	91-314	6.66
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17396-57A	91-530	6.72
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17435-57B	91-288	6.72
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17517-77B	89-344	6.38
17518-80	89-344	6.38
17519-80	89-344	6.38
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17530-84B	89-375	6.38
17536-70	78-48	6.72
17540-69A	78-368	6.113
17541-48B	78-369	6.113
17550-80	89-344	6.38
17552-80	89-344	6.38
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17611-66B	91-287	6.66
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17901-86	91-518	6.50
17904-57	91-268	6.48
17935-66	91-512	6.46
17937-57B	89-133	6.46
17938-40	89-135	6.46
17944-89	95-740	6.117
17947-36	91-321	6.64
17950-66	91-328	6.66
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18001-83A	95-744	6.108
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18031-86	91-606	6.43
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18111-79	91-237	6.45
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18221-36	91-269	6.42
18222-48	91-657	6.42
18222-83	91-659	6.42
18228-30	91-243	6.42
18228-36	91-244	6.42
18229-83	91-536	6.42
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18508-52B	91-284	6.72
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18542-83A	91-614	6.51
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18600-66C	91-361	6.66
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22355-72	93-314	6.52
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22358-57A	93-308	6.52
22359-57A	93-309	6.52
22360-57A	93-310	6.52
22361-57A	93-311	6.52
22362-57A	93-312	6.52
22363-57A	93-313	6.52
22581-32	93-362	6.60
22588-78	93-422	6.60
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2333W	96-201	7.42
23533-55A	53-20	9.10
23557-83	53-651	9.10
23901-81	98-420	6.82
23909-80	98-339	6.25
23960-54	98-345	6.82
23960-54US	98-345	6.82
23960-80A	98-361	6.82
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23961-41S	98-418	6.80
23961-80A	98-354	6.80
23961-80AS	98-419	6.80
23962-40	98-346	6.80
23966-36	98-314	6.80
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23967-41	98-288	6.80
23967-54A	98-333	6.82
23969-83	98-421	6.80
23972-57	98-330	6.82
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24003-55	94-138	7.62
24005-37	98-321	6.84
24005-57	98-319	6.82
24006-37	98-320	6.80
24006-54A	98-289	6.80
24006-55	98-289	6.80
24006-58	98-256	6.80
24006-73	98-291	6.80
24006-80	98-355	6.80
24006-87	98-427	6.80
24007-39	98-286	6.80
24009-29	98-317	6.84
24010-BLU	98-446	6.90
24010-BR	98-449	6.90
24010-GR	98-447	6.90
24010-OR	98-443	6.90
24010-RE	98-445	6.90
24010-WH	98-448	6.90
24010-YE	98-450	6.90
24016-80	98-422	6.25
24017-80	98-423	6.80
2402-W	12-177	8.34
24020-51	98-312	6.80
24022-90	98-458	6.86
24023-36	98-424	6.80
24023-54	98-302	6.90
24032-70	98-366	6.90
24033-70	98-367	6.90
24034-70	98-368	6.90
24035-70	98-369	6.90
24036-70	98-370	6.90
24037-70	98-371	6.90
24040-78	98-451	6.90
24041-78	98-452	6.90
24042-78	98-453	6.90
24043-78	98-454	6.90
24044-78	98-455	6.90
24045-78	98-456	6.90
24046-78	98-457	6.90
24100-17	98-276	6.80
24110-17	98-276	6.80
24275-57	98-265	6.89
24275-80A	98-478	6.89
24275-86A	98-479	6.89
24281-41A	98-262	6.89
24281-74A	98-323	6.89
24281-80	98-413	6.89
24281-83A	98-414	6.89
24331-36	95-114	6.82
24356-36A	95-167	6.80
24362-54A	95-345	6.82
24364-54A	95-345	6.82
24366-71	95-344	6.80
24367-71	95-344	6.80
24370-29	95-198	6.84
24370-52A	95-258	6.82
24385-40B	95-259	6.25
24490-36	5-118	2.6
24599-40	95-76	6.92
24599-58A	95-310	6.92
24599-58B	95-429	6.23
24621-40	95-62	6.92
24692-58	98-365	6.92
24701-52	98-364	6.94
24701-54	98-331	6.94
24702-40	98-267	6.92
24703-54	98-89	6.86
24721-30	95-308	5.18
24729-52	95-447	6.94
24729-74	95-448	6.95
24912-48	98-324	6.92
24921-37	78-375	6.121
24931-39	95-748	6.121
24975-37	96-330	6.94
24978-57	95-749	6.119
24987-52	41-889	14.9
24990-52	95-750	6.121
25225-36C	78-377	6.114

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25256-80A	88-53	6.86
25258-80B	88-53	6.86
25263-81	78-380	6.96
25263-86	78-381	6.105
25263-90	78-382	6.105
25266-80A	88-53	6.86
25266-93A	88-70	6.86
25268-84A	88-53	6.86
25313-50	98-76	6.98
25314-50	98-77	6.98
25315-50	98-78	6.98
25316-52	98-75	6.98
25320-79	98-80	6.98
25321-79	98-81	6.98
25322-79	98-82	6.98
25323-79	98-83	6.98
25325-79	98-84	6.98
25326-79	98-85	6.98
25327-79	98-86	6.98
25328-79	98-87	6.98
25414-70	89-112	7.95
25416-70	78-383	6.105
25416-84	95-751	7.90
25430-86A	88-58	7.94
25430-88	88-58	7.94
25459-86A	88-58	7.94
25550-36	98-374	6.77
25550-57	98-372	6.86
25551-36	98-375	6.77
25552-36	98-376	6.77
25553-36	98-377	6.77
25554-36	98-378	6.77
25555-36	98-379	6.77
25556-36	98-380	6.77
25556-79	98-380	6.77
25557-36	98-381	6.77
25557-79	98-381	6.77
25558-36	98-382	6.77
25558-79	98-382	6.77
25559-36	98-383	6.77
25559-79	98-383	6.77
25581-36	95-108	6.86
25581-70	95-340	6.86
25582-36	95-334	6.86
25582-54	95-342	6.86
25582-73	95-341	6.86
25582-93	95-454	6.86
25586-37	95-416	6.96
25588-57	95-417	6.91
25593-57	95-335	6.96
25593-74	95-336	6.96
25597-36	95-71	6.86
25785-30A	95-343	6.86
25791-36	91-310	6.86
25791-77	91-310	6.86
25810-15	98-332	6.86
25811-11	95-752	6.121
25856-36	95-418	6.86
25882-54	95-342	6.86
26072-90	78-458	6.121
26077-93	78-459	6.121
26227-58	95-753	6.111
26244-37	78-384	6.114
26245-41	78-385	6.99
26246-37	78-386	6.121
26246-68D	78-387	6.114
26256-52	78-388	6.119
26257-50A	78-389	6.99
26258-52	78-390	6.98
26258-62	78-391	6.98
26258-68D	78-392	6.114
26259-52	78-393	6.98
26259-62	78-394	6.98
26263-80	41-888	14.9
26273-80B	78-395	6.35
26273-92	78-396	6.35
26276-80A	78-397	6.35
26276-92	78-398	6.111
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26326-62A	98-65	6.99
26328-74	98-66	6.99
26340-36	98-275	6.98
26346-36	98-309	6.99
26346-69	98-334	6.34
26346-70	98-334	6.34
26348-15	98-272	6.34
26348-36	98-325	6.34
26349-73	98-359	6.11
26377-68	41-885	14.9
26432-76A	95-754	6.108
26433-77	95-755	6.108
26434-76A	95-756	6.120
26434-91	95-757	6.108
26495-75	78-399	6.118
26495-89	78-400	6.118
26551-39C	17-61	1.51
26552-72	17-61	1.51
26554-77	17-64	1.51
26554-77A	17-64	1.51
26554-77B	17-64	1.51
26554-77D	17-64	1.51
26557-83	53-651	9.10
26558-84	53-650	9.10
26561-84	17-65	1.51
26561-99	39-148	1.51
26566-91	53-652	9.10
26856-89	78-401	6.110
2690W	77-113	1.38
26995-86A	95-758	8.20
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27009-86B	69-90	8.20
27010-86B	69-91	8.20
27023-71	78-402	6.113
27027-55A	69-49	8.25
27040-88	12-247	8.25
27057-30	69-66	8.30
27059-40	69-46	8.30
27060-55	95-760	8.29
27062-78	95-321	8.30
27063-78	66-84	8.30
27063-80	66-84	8.30
27066-85T	66-84	8.30
27077-78	78-403	8.33
27135-95	39-130	8.13
27135-97	39-130	8.13
27219-95	39-134	8.13
27270-95	39-132	8.13
27326-71	95-143	8.23
27366-76	41-419	14.13
27367-76	41-419	14.13
27380-33A	39-347	8.25
27380-50	39-347	8.25
27382-33	39-346	8.25
27382-77	39-388	8.28
27410-39	78-406	6.121
27410-57	78-407	6.121
27411-40	78-408	8.25
27416-76	39-358	8.28
27417-76	39-357	8.28
27418-76	39-356	8.28
27419-76	39-355	8.28
27459-74	39-344	8.27
275	98-487	6.86
27577-92	95-410	8.28
27609-01	39-131	8.13
27609-01A	39-128	8.13
27609-01B	39-128	8.13
27609-04	39-128	8.13
27613-71	39-23	8.23
27629-01	39-138	8.13
27646-71	78-111	8.23
27658-06	39-142	8.13
27659-06	39-141	8.13
27894-78	39-386	8.28
27896-79	39-385	8.28
27897-78	39-387	8.28
29001-85T	12-264	8.36
29036-41	12-50	8.36
29036-41TA	12-126	8.37
29036-72	12-107	8.36
29036-72T	12-127	8.37
29055-78TA	12-130	8.37
29058-77	78-409	6.113
29059-83TA	12-181	8.37
29059-88A	78-410	6.113
29085-81	12-190	8.34
29086-73T	12-128	8.37
29086-75T	12-129	8.37
29215-78	39-414	8.27
29216-67/72	39-364	8.27
29219-78	39-364	8.27
29219-82	39-364	8.27
29242-83	78-411	6.111
29250-78	78-151	8.33
29259-86T	12-231	8.37
29259-91A	12-261	8.37
29282-89T	12-131	8.37
29533-55A	53-20	9.10
29534-55A	53-21	9.10
29550-55	78-412	9.10
29954-71	53-296	1.36
29960-85	53-631	1.35
29961-85	53-630	1.35
29965-75	53-340	1.36
29965-81	53-341	1.36
29967-89	53-346	1.36
29970-88	53-319	1.35
29970-88A	53-345	1.36
30011-36	53-195	1.39
30011-58	53-194	14.12
30012-58	53-252	1.40
30095-61	53-253	1.40
30137-58	89-32	1.39
30138-30	78-413	6.121
30143-30	78-414	6.114
30143-58	78-415	6.114
30145-46A	95-102	1.40
30201-65T	53-214	1.39
30228-32	77-113	1.38
30280-58	53-256	1.40
30350-65	53-185	1.40
30350-66	53-185	1.40
30373-51	77-113	1.38
30426-58	53-144	1.40
30605-48	53-13	9.9
30605-48A	53-13	9.9
30801-47	53-388	9.9
30851-65TA	53-152	1.39
31015-30	77-113	1.38
31035-58	53-193	1.40
31067-63	53-298	1.40
31070-30	53-161	1.40
31070-58	53-161	1.40
31073-63A	53-161	1.40
31080-83T	89-10	1.39
31081-83T	89-32	1.39
31320-80	78-450	6.112
31321-80	78-451	6.112
31341-80DL	95-781	6.112
31350-83T	89-1	1.46
31424-67	53-293	1.46
31433-84A	95-761	14.5
31438-65A	53-325	1.47
31441-65A	53-321	1.47
31443-65A	53-157	1.47
31444-65A	53-247	1.47
31445-65A	53-294	1.46
31458-66A	70-130	1.45
31463-88T	70-131	1.45
31471-67A	78-416	6.119
31476-66	14-27	1.45
31488-77	78-417	6.119
31488-81	78-418	6.119
31489-79B	53-286	1.46
31502-65	95-413	1.48
31504-91A	53-695	1.10
31506-79B	53-265	1.47
31507-87T	89-280	1.46
31522-00	39-152	1.9
31522-00B	39-152	1.9
31522-00C	39-152	1.9
31537-66	70-135	1.45
31541-66	70-134	1.45
31542-66	70-133	1.45
31559-89T	70-139	1.45
31565-67	89-34	1.46
31570-73	70-138	1.45
31576-73	70-145	1.45
31581-73	70-143	1.45
31582-73	70-142	1.45
31583-73	70-144	1.45
31601-04	39-153	1.9
31609-65A	53-29	9.13
31609-80	53-230	9.13
31610-83T	89-71	9.17
31614-83	53-297	9.13
31629-78	3-162	9.24
31640-91	89-399	9.17
31644-91	89-492	9.17
31663-90	70-211	1.42
31723-71A	5-113	9.18
31727-72	5-113	9.18
31728-78	5-86	9.18
31800-65	89-70	9.17
31800-78	89-70	9.17
3201-W	41-945	8.31
32301-47A	3-32	9.24
32301-78A	3-162	9.24
32301-80	3-263	9.23
32303-47A	3-30	9.24
32306-61	3-167	9.24
32309-69	3-188	9.24
32310-78	3-259	9.23
32311-83	3-261	9.23
32312-78	3-189	9.24
32316-99	39-137	8.13
32317-86	3-265	9.23
32400-80A	53-638	9.3
32400-94	53-640	9.3
32402-83	53-528	9.9
32404-90	53-639	9.3
32424-95	39-136	8.13
32446-99	39-139	8.13
32466-99	39-139	8.13
32516-66	53-151	9.8
32521-36	78-419	6.114
32522-37	78-420	6.119
32522-70	53-209	9.3
32542-70A	53-246	9.3
32584-88T	89-304	9.17
32588-70A	89-128	9.17
32591-70	78-421	9.17
32591-80	78-422	6.111
32601-78	91-352	9.3
32605-70	53-208	9.3
32629-70	53-210	9.3
32658-30	53-16	9.9
32661-70	53-12	9.9
32670-70	53-207	9.3
32726-30	53-15	9.13
32726-30A	53-14	9.13
32726-47	53-14	9.13
33030-68	96-232	7.47
33031-70	77-349	7.40
33031-76E	96-582	7.32
33031-76L	96-583	7.32
33031-80	77-350	7.40
33031-82	77-351	7.40
33031-85	77-352	7.40
33031-91	77-353	7.40
33031-93	77-354	6.121
33048-57	96-337	7.45
33048-72	22-105	4.41
33055-78A	96-232	7.47
33057-72	47-58	7.45
33057-77	47-93	7.45
33061-89T	47-93	7.45
33076-37	95-762	6.112
33080-36	96-176	5.20
33082-16	96-155	7.32
33084-41	96-168	7.45
33085-36	96-167	7.19
33090-36	96-174	7.47
33094-57A	96-178	7.45
33094-77A	96-179	7.45
33096-54B	96-20	7.47
33099-52A	96-336	7.45
33110-54	96-341	7.45
33119-79B	96-680	7.6
33150-59	89-166	7.47
33151-80	89-166	7.47
33152-59	96-174	7.47
33162-67	96-587	7.54
33163-65B	96-320	7.62
33174-79	96-605	7.43
33175-16	22-100	7.48
33175-16A	22-71	7.19
33182-63A	22-49	7.45
33187-79	96-484	7.43
33189-63	22-110	7.45
33196-79	78-448	6.121
33215-30	22-82	7.47
33295-36	78-462	7.47
33326-79A	96-696	7.6
33332-79A	96-698	7.14
33333-79	94-172	7.64
33334-85	96-825	7.20
33336-83	94-172	7.64
33337-83	94-155	7.64
33338-83	94-154	7.64
33344-94	96-826	7.3
33348-57	96-337	7.45
33350-36	96-124	7.47
33353-36	96-121	7.32
33353-78	96-121	7.32
33362-52	96-332	7.45
33379-57	96-276	7.45
33379-71A	96-287	7.45
33381-39	96-119	7.47
33390-52	96-343	7.45
33391-36	96-123	7.32
33391-52	96-343	7.45
33393-50	96-175	7.47
33396-39	96-156	7.47
33429-80	96-408	7.32
33430-50	96-120	7.47
33438-50	95-171	7.47
33442-57	95-314	7.45
33442-57A	95-314	7.45
33445-89	95-807	7.90
33445-94A	95-806	7.90
33446-89	95-800	7.90
33446-94A	95-808	7.90
33630-52	47-80	4.16
33630-70	47-159	4.18
33640-83	47-182	4.17
33664-81	47-149	4.17
33715-85	96-652	7.6
33870-51	47-64	4.18
33878-51	47-65	4.18
33879-36	47-65	4.18
33895-82	47-183	4.17

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33904-00	17-702	1.51
33904-00B	17-702	1.51
34031-41	96-434	7.42
34035-52	95-763	6.120
34037-52	95-346	7.44
34050-36	96-598	7.42
34082-79	96-702	7.6
34084-86	96-630	7.6
34085-79A	96-695	7.14
34086-79	96-704	7.6
34088-87	96-638	7.6
34091-85	95-451	7.3
34140-36	96-348	7.42
34158-36	96-129	7.42
34159-36	96-130	7.42
34165-36	96-407	7.42
34168-39	96-293	7.42
34168-52	96-294	7.43
34175-36	96-406	7.42
34179-33	96-421	1.40
34180-33	96-413	7.42
34186-76	96-348	7.42
34191-79D	96-699	7.10
34193-79D	96-700	7.10
34195-79D	96-701	7.14
34291-52B	96-283	7.44
34291-52C	96-540	7.44
34381-84	96-522	7.26
34447-52	47-63	7.42
34447-74	47-160	7.42
34468-86A	96-563	7.4
34469-06	89-6	7.27
34476-72	96-533	7.43
34477-53	96-555	7.42
34478-53	96-555	7.42
34498-52	96-792	7.42
34500-52A	96-550	7.42
34551-52	96-268	7.42
34552-52	78-464	6.121
34555-52	96-108	7.42
34555-74	96-539	7.42
34564-74A	47-25	4.17
34565-52	78-465	6.121
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34606-54A	47-24	4.17
34606-54TA	47-24	4.17
34606-71	47-24	4.17
34606-74	47-149	4.17
34606-75	47-89	4.17
34606-86	47-156	4.17
34606-90	47-162	4.17
34609-52	22-45	4.20
34611-65	22-107	4.20
34624-77	78-423	6.118
34628-54A	96-295	7.44
34628-75	96-321	7.44
34666-75	47-110	4.17
34724-36	96-590	7.32
34799-65	96-464	7.42
34816	97-106	13.12
34824-36	78-466	6.121
34824-79	78-463	6.121
34825-41	78-95	7.40
34871-71C	96-351	7.98
34872-77	96-417	7.98
34898-79	95-347	4.32
34901-85	78-425	6.105
34901-94	78-427	6.105
34902-79A	78-428	7.40
34903-79	78-429	7.40
34904-79	78-453	7.30
34904-86	78-461	7.4
34906-79	78-430	6.105
34906-85B	78-431	6.105
34911-91	96-551	7.98
34917-90	78-456	6.121
34949-71	88-77	7.94
34952-52	78-432	6.120
34955-67	78-433	6.120
34955-75	78-434	6.118
34955-89	78-435	6.105
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35029-91	96-568	7.24
35034-89	96-572	7.36
35039-65	96-387	7.38
35039-70A	96-388	7.38
35039-70B	96-153	7.32
35039-80	96-153	7.32
35039-85	96-650	7.38
35040-50	96-386	7.38
35042-79	96-476	7.24
35042-85	96-477	7.24
35042-91	96-556	7.24
35044-56	96-403	7.37
35045-71	96-404	7.37
35046-36	96-416	7.32
35046-71	96-404	7.37
35046-71A	96-315	7.34
35047-53	96-482	7.62
35047-71A	96-338	7.62
35050-40	96-334	7.32
35050-52	94-133	7.62
35050-53	94-133	7.62
35064-79	96-657	7.16
35066-77	96-185	7.32
35067-77A	96-185	7.32
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36916-52	47-59	4.17
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36956-65A	22-97	4.24
36964-67	22-99	4.24
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37052-65	47-56	4.21
37053-68	47-56	4.21
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37096-85	47-157	4.21
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37201-54	96-115	7.53
37222-52	96-235	7.44
37228-75	96-460	7.61
37276-53	96-461	7.53
37279-56	96-461	7.53
37280-67	96-462	7.53
37281-47	96-462	7.53
37282-53	96-462	7.53
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37285-41	96-93	7.61
37285-65	96-94	7.61
37285-70	96-95	7.61
37285-75A	96-96	7.61
37285-84	96-443	7.61
37287-41	96-62	7.55
37305-65	96-94	7.61
37305-70	96-256	7.61
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37313-80	96-451	7.4
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37357-84	96-89	7.49
37361-41	96-86	7.50
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37496-90	96-682	7.52
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37567-41A	96-60	7.50
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37741-67	95-782	6.112
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37754-74	96-375	7.45
37755-73	96-290	7.45
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37902-84A	96-528	7.49
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37911-90	96-561	7.58
37913-90	96-562	7.59
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37975-41	96-329	7.50
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37975-90	96-562	7.59
37977-90	96-618	7.59
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38608-73	47-94	4.15
38609-68	47-20	4.16
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38619-84	48-618	4.72
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39979-58A	5-82	7.62
39985-52	5-62	7.69
39990-65	5-138	7.62
39992-65C	5-139	7.62
39998-65	5-137	7.62
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40023-89	58-274	7.88
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40211-30	94-119	7.66
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40280-70	94-217	7.63
40282-70	94-218	7.63
40284-90	58-285	7.66
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40968-05	90-847	5.23
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45156-84	49-206	4.57
45159-50	90-232	4.20
45297-73	95-206	3.19
45378-87	95-401	3.19
45387-83	95-400	3.19
45387-87	95-401	3.19
45392-83	38-269	3.11
45400-75	95-205	3.19
45404-75	27-61	3.20
45408-75	27-88	3.15
45409-75	27-104	3.13
45411-82	27-121	3.20
45415-82	27-120	3.20
45418-80	27-118	3.13
45420-80	27-48	3.20
45583-83	90-305	4.58
45640-88B	29-68	3.18
45670-80	41-904	3.15
45700-48	29-45	3.18
45716-71	27-62	3.18
45717-63	27-106	3.15
45718-60	41-127	3.15
45718-71	27-62	3.18
45754-49	27-65	3.15
45754-60	27-65	3.15
45776-49	27-53	3.15
45821-74	90-129	5.28
45821-75	90-129	5.28
45822-74	90-130	5.28
45822-75	90-130	5.28
45823-49	27-96	3.11
45824-49	27-95	3.15
45831-77	27-119	3.13
45838-77	27-54	3.15
45839-77	27-67	3.10
45842-77	27-109	3.20
45843-77	95-326	3.19
45849-49	95-177	3.19
45849-73	95-438	3.19
45849-75	95-439	3.19
45849-77	95-360	3.19
45849-84	95-440	3.19
45849-84A	95-441	3.19
45849-87	95-442	3.19
45852-48	95-111	3.19
45875-84	95-399	3.19
45927-73	95-206	3.19
45964-49	27-71	3.20
45975-71	95-113	3.19
45983-73	27-60	3.20
45993-73	27-63	3.13
46018-77	90-302	5.24
46019-77	90-302	5.24
46100-48	27-68	3.15
46161-49	27-68	3.15
46172-48	27-107	3.15
47116-77	23-134	4.40
47117-77	23-134	4.40
4721	123-14	4.45
47300-88T	89-339	2.6
47510-58	83-7	2.6
47513-58	83-9	2.6
47517-58	83-8	2.6
47519-58	95-196	2.6
47519-72	95-235	5.17
47519-83A	95-370	5.20
47577-86	5-147	7.69
47698-86B	96-612	2.5
48031-89A	83-20	2.7
48311-60	5-34	3.13
48330-48A	27-69	3.15
48361-80	27-97	3.17
48365-48A	27-97	3.17
49004-00	105-19	2.9
49004-90	105-13	2.9
49007-90A	105-37	2.9
49010-93	105-36	2.9
49016-72C	105-12	2.9
49028-85T	22-1	4.43
49031-84T	22-3	4.42
49038-58	105-15	2.9
49038-58B	105-1	2.9
49040-79	105-2	2.9
49053-04	23-144	4.41
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49200-07	105-34	2.9
4961	83-21	2.7
50003-89	5-151	2.21
50006-89	87-87	2.20
50011-30A	5-57	2.21
50090-53	5-100	2.21
50100-70	87-82	2.21
50235-63	5-133	8.5
50599-89T	123-21	4.46
50603-40	123-5	4.46
50603-74A	123-10	4.46
50614-66T	123-11	4.46
50620-74	123-12	4.46
50646-82	22-114	4.43
50900-72T	23-140	4.41
50904-85T	66-213	4.40
50905-85T	66-214	4.40
50907-69A	22-98	4.43
50939-52	22-113	4.41
50940-52	22-46	4.43
50970-52	123-15	4.45
50973-65	22-123	4.40
51674-25	82-80	11.6
52683-74	22-124	4.40
52702-59A	23-108	2.7
53899-86	32-230	5.39
54500-73	116-3	2.22
54515-56B	5-106	2.23
54515-58A	5-111	2.23
54515-67	5-102	2.23
54515-73	5-104	2.23
54516-72	5-107	2.23
54517-58	5-112	2.23
54517-67	5-103	2.23
54704-52	116-1	2.24
54704-65	116-4	2.24
54704-75	116-4	2.24
54705-52	116-1	2.24
54708-65	116-5	2.24
554	5-151	2.21
56098-80	34-93	4.7
56099-80	34-93	4.7
56104-74	34-77	4.7
56116-77	34-101	4.7
56117-77	34-101	4.7
56121-60A	29-45	3.18
56153-73	34-89	4.10
56158-49	34-91	4.10
56158-73	34-89	4.10
56159-73	34-89	4.10
56205-62A	35-47	4.12
56220-81B	35-65	4.13
56238-62	35-51	4.12
56309-86	48-486	4.72
56316-80	48-608	4.74
56323-81C	48-375	4.72
56324-81A	48-375	4.72
56327-81B	48-533	4.73
56328-81A	48-533	4.73
56333-83	48-537	4.72
56334-83	48-537	4.72
56395-81	35-65	4.13
56397-74E	35-54	4.13
56495-02	121-21	11.8
56500-79	35-36	4.13
56590-60	89-258	4.7
56802-06	121-24	11.8
58206-57	89-360	2.15
59000-36	19-64	2.14
59000-50	19-56	2.14
59007-73	19-43	2.14
59007-73B	19-43	2.14
59012-40	19-64	2.14
59082-79	8-125	2.16
59126-86B	19-120	2.9
59139-89	19-85	2.14
59140-85T	8-75	2.16
59176-93	19-172	2.13
59205-57	89-360	2.15
59206-57	89-360	2.15
59216-59	89-342	2.15
59281-85T	89-163	2.15
59283-85T	89-162	2.15
59601-79B	19-79	2.9
59604-39	19-65	2.11
59604-55	19-84	2.11
5960W	5-136	2.24
59611-67A	19-22	2.11
59611-73A	19-57	2.11
59612-41	19-77	2.11
59634-81A	19-76	2.12
59658-79	8-126	2.16
59674-81A	19-75	2.11
59679-79A	19-62	2.11
59795-52A	5-99	2.15
59887-59	89-343	2.15
59899-88T	11-97	1.26
59924-80	19-60	2.14
59928-73	104-28	2.17
59929-73	104-28	2.17
59932-77	104-27	2.17
59933-77	104-27	2.17
59940-79	34-92	4.7
59941-79	34-92	4.7
59960-80	104-29	2.17
59961-80	104-29	2.17
59964-86A	104-23	2.17
59969-86A	104-23	2.17
59992-55A	11-44	1.25
59995-55A	11-44	1.25
59998-75T	11-99	1.25
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6016	40-318	14.12
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60302-73T	9-55	7.98
60394-90A	9-64	7.97
60414-82	88-61	7.93
60441-82A	88-57	7.93
60507-86A	88-59	7.94
60516-65A	53-295	1.48
60533-86	9-65	7.97
60539-89	78-437	6.105
60540-65A	78-438	6.115
60543-89	88-66	7.94
60557-36	89-13	7.95
60559-80	78-439	6.112
60567-36	78-440	6.94
60567-65B	78-441	7.96
60572-36	89-21	7.95
60572-65	89-90	7.96
60572-78	89-90	7.96
60579-74	89-183	7.96
60605-79B	88-50	7.93
60629-55	78-442	6.112
60641-74	95-786	6.112
60645-65	78-149	6.112
60664-85B	88-54	7.93
60678-85	95-452	7.92
61000-54C	20-20	8.4
61102-73	21-38	8.6
61102-83A	21-172	8.6
61103-36	21-6	8.2
61103-65	21-107	8.6
61103-72P	21-38	8.6
61103-73	21-107	8.6
61103-73A	21-107	8.6
61103-83	21-171	8.6
6114	78-443	14.5
61211-79	20-60	8.2
61211-84A	20-65	8.2
61213-83	20-60	8.2
61216-69	20-59	8.2
61218-67A	20-59	8.2
61228-84	20-65	8.2
61229-79	20-60	8.2
61230-69	20-60	8.2
61426-67A	20-59	8.2
61769-47	21-111	8.44
62033-41	21-103	8.10
62096-69	21-262	8.9
62103-65	21-118	8.6
62125-55	21-23	8.9
62125-55B	21-141	8.9
62129-75T	21-251	8.9
62162-75	21-261	8.9
62163-75	21-106	8.9
62375-57	21-304	8.40
62423-90	78-457	6.121
62432-93	78-460	6.121
62498-00	26-100	8.40
62498-89A	26-112	8.39
62498-91	26-112	8.39
62504-65A	26-110	8.40
62507-67A	26-95	8.39
62534-65	89-252	8.40
62563-65	5-80	8.5
62563-65A	5-80	8.5
62575-36	89-36	1.4
62576-65A	47-109	4.20
62584-58	5-122	8.40
62585-36	5-72	1.4
62610-52A	21-189	8.39
62625-36	21-188	8.40
62635-79T	21-90	8.42
62668-87T	21-91	8.42
62702-52	95-773	6.112
62704-84	5-143	8.39
62707-84	5-145	8.39
62783-66A	71-137	8.43
62785-66A	71-137	8.43
63525-92	95-774	6.121
63529-57	95-775	6.114
63533-41	21-123	8.40
63578-52	21-207	8.40
63609-72	90-353	4.27
63782-80	25-60	8.47
63796-77	25-78	8.47
63812-90	25-132	8.47
63813-90	25-79	8.47
63858-49	78-444	6.68
6410	24-1	14.5
6469	41-398	6.36
6469HW	41-398	6.36
6506	98-298	6.80
65276-62	66-16	10.12
65276-63	66-10	10.12
65324-93A	78-445	10.13
65325-83	66-96	10.13
65328-83	66-203	10.13
655	41-890	14.9
65519-52	66-17	10.12
657	41-886	14.9
65815-77A	8-101	1.33
65834-68X	78-446	6.114
65991-75C	1-76	1.2
66006-65A	1-97	1.2
66006-70	1-33	1.2
66010-79	1-67	1.2
66105-77	5-129	1.5
66191-73	14-21	1.5
66204-74	14-20	1.5
66205-75	14-23	1.5
66212-65	14-28	1.4
66225-73	14-26	1.4
66328-82T	89-320	9.18
66351-82	89-242	14.14
66356-82	89-242	14.14
66367-73	89-119	1.5
66369-67	89-230	1.5
66369-70	89-181	1.5
66370-65	89-120	1.5
66373-36	89-3	1.4
66373-54	89-3	1.4
66378-70	89-255	1.5
66379-67	89-256	1.5
66383-70A	5-31	1.5
66390-36	5-70	1.4
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66470-70	5-32	1.5
66476-73	5-33	1.5
6653HW	32-170	5.20
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67004-53	57-88	4.49
67004-68	57-92	4.49
67004-68A	57-82	4.49
67020-73	57-85	4.52
67024-84A	48-442	4.80
67026-37	48-680	4.81
67026-81	48-441	4.80
67027-81C	57-167	4.47
67027-91A	57-168	4.47
67038-84	48-442	4.80
67048-83A	48-438	4.81
67051-70	48-678	4.81
67051-73	48-437	4.72
67051-74	48-442	4.80
67052-78A	48-437	4.72
67052-78B	48-438	4.81
67053-83	89-285	4.50
67054-83	48-440	4.72
67054-83A	48-440	4.72
67060-79A	48-443	4.72
67060-87A	48-443	4.72
67063-89	48-667	4.72
67072-70	48-443	4.72
67072-79	48-443	4.72
67072-87A	48-441	4.80
67072-87B	48-443	4.72
67073-81	57-127	4.47
67073-87A	57-122	4.47
67077-85	48-436	4.81
67078-85A	48-437	4.72
67079-86A	48-441	4.80
67110-83	89-284	4.50
67120-84B	57-125	4.47
67124-80	57-91	4.47
67125-86A	57-124	4.47
67127-73	57-90	4.47
67127-84A	57-126	4.47
67130-36	57-95	4.47
67130-69	57-93	4.47
67132-85A	57-123	4.47
67141-36	78-447	7.32
67186-88C	48-441	4.80
67190-89	57-215	4.53
67210-73	57-77	4.52
67215-68	57-96	4.49
67217-68	57-96	4.49
67260-96	57-214	4.53
67271-94	57-213	4.53
6750	96-594	7.42
6752	96-595	7.42
6754	96-596	7.42
6762B	91-322	6.64
6769	91-271	6.91
6770	91-272	6.96
67701-49	8-77	1.16
67712-60A	86-70	3.19
67717-48B	7-42	1.15
67717-64	7-47	1.15
67733-72	8-78	1.15
67743-75	8-89	1.15
67752-77T	89-107	3.19
67773-80	11-59	1.17
67773-80A	11-113	1.17
67808-86	89-349	3.19
67809-70	89-204	1.16
67809-75	89-206	1.16
67810-48	11-45	1.16
67816-86	89-349	3.19
67820-86	89-349	3.19
67847-60	89-257	3.19
67848-60	89-257	3.19
67891-68	18-102	4.52
68002-47	8-70	1.21
68003-47	8-56	1.22
68008-73A	8-74	1.24
68010-64B	8-59	1.23
68027-73	86-42	1.24
68034-77	86-42	1.24
68090-47	86-34	1.22
68090-69	86-41	1.23
68123-73	78-169	1.24
68162-64	6-55	1.14
68165-64	6-43	1.19
68400-86	8-88	1.33
68404-86	8-99	1.33
68440-86	86-89	1.33
68450-34	8-75	2.16
68457-86	86-84	1.33
68462-49	6-54	1.14
68462-64	6-55	1.14
68480-73	11-79	1.32
68480-93	11-98	1.32
68483-73	86-50	1.33
68486-82A	11-80	1.32
68487-82	11-80	1.32
68493-87	11-81	1.32
68510-74A	11-72	1.31
68514-73	8-71	1.33
68515-77A	8-71	1.33
68518-68	11-101	1.32
68519-68	11-103	1.32
68528-77A	11-83	1.32
68557-70A	8-85	1.33
68570-63	86-88	1.34
68571-63A	86-87	1.33
68572-64A	6-40	1.19
68603-62	11-54	1.15
68604-62	11-54	1.15
68652-64B	8-194	1.13
68671-69	8-138	1.15
68795-68	11-102	1.32
68972-00	8-188	1.31
70060-66	17-35	1.53
70069-65A	18-106	1.6
70097-75	18-107	1.6
70124-75	17-74	1.50
701A	41-267	7.47
70209-65	18-108	1.6
70214-80A	18-260	1.9
7022	32-170	5.20
70320-70	18-190	1.9
70320-73	18-191	1.9
70320-78	18-258	1.9
70320-80	18-259	1.9
70321-48	18-187	1.9
70321-58	18-188	1.9
70321-65	18-189	1.9
70326-70	18-192	1.9
70326-73	18-193	1.9
7036	96-241	1.48
704	98-299	14.8
70934-68A	21-115	4.53
71146-96	86-119	4.53
71241-68B	89-281	4.53
71254-96	89-470	4.53
71301-77	89-111	4.52
71302-93	57-216	4.53
71313-96	17-115	1.50
7142	83-22	2.7
71425-77	17-60	1.50

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71465-85T	53-288	1.46
71469-65	53-288	1.46
71469-65B	53-456	1.46
71484-72A	17-51	1.53
71500-36A	17-45	1.50
71501-36A	17-45	1.50
71501-73	17-45	1.50
71501-93	17-115	1.50
71534-72	17-52	1.53
71535-72	17-50	1.53
71539-72	47-112	4.15
71539-73B	47-121	4.15
71546-75A	17-54	1.53
71547-75A	17-53	1.53
71563-82	47-167	4.15
71564-82	47-166	4.15
71567-82	47-168	4.15
71568-82A	47-169	4.15
71589-92	17-91	1.9
71589-96	17-105	1.9
71590-96	17-100	1.9
71591-92	17-92	1.9
71591-96	17-106	1.9
71597-92	17-93	1.9
71597-96	17-107	1.9
71598-96	17-108	1.9
71599-92	17-94	1.9
71600-39	17-57	1.54
71800-26A	17-35	1.53
71840-29	17-36	1.53
720	98-490	14.8
72001-69B	17-49	1.53
72002-51A	17-43	1.51
72003-34	17-40	4.30
72004-70	17-58	1.52
72005-73A	17-75	1.52
72023-51A	17-44	1.51
72023-71	17-44	1.51
72109-94GY	18-610	1.55
72116-94GY	18-618	1.55
72118-94GY	18-620	1.55
72119-94BK	18-623	1.55
72201-69A	17-49	1.53
72341-56A	53-406	9.18
74461-03A	57-1	4.48
74504-82	53-263	1.37
74510-47A	53-275	1.38
74510-64	53-165	1.38
74510-70A	53-262	1.37
74511-65	53-269	1.38
74512-79A	53-219	1.37
74516-86	53-264	7.71
74519-88	53-322	1.37
74523-84A	53-290	1.37
74523-91	53-362	1.37
74529-79	5-126	1.38
74533-75B	5-85	1.38
74577-97	89-526	1.36
74578-97	89-525	1.36
74579-97	89-527	1.36
74587-94	39-144	1.10
74589-73	17-76	1.10
74589-73A	17-76	1.10
74597-01	89-537	1.36
74599-77	17-62	1.10
74599-77B	17-62	1.10
74600-94	39-143	1.10
74600-97A	39-147	1.10
7515	96-681	7.6
7725	90-442	5.17
7753	40-318	14.12
7813	32-170	5.20
7848W	96-88	7.48
7872	41-418	6.38
7875	41-418	6.38
7911	96-172	7.32
7926	96-269	7.45
7977	96-173	7.47
7980	32-119	5.18
7986	32-170	5.20
7993	5-108	2.23
80040-81	12-251	8.34
8011	98-363	6.82
8025	98-300	7.62
8095A	32-119	5.18
8215	96-349	7.45
83162-51	95-777	6.21
83566-51	90-350	4.60
8485	94-135	7.62
8486	94-135	7.62
85210-42A	116-6	2.24
8524	94-136	7.62
8532	94-132	7.62
8860	95-107	7.54
8876A	96-608	7.9
8888	95-394	7.34
8904	96-609	7.9
8977	95-434	7.4
8996	95-432	7.3
9007	95-101	1.40
9008	95-149	5.17
9009	95-136	5.17
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AC 111131	53-10	9.13
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AC 152108	53-346	1.36
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AC 172072K	18-215	9.22
AC 172073	18-100	9.22
AC 172073K	18-216	9.22
AC 172074	18-99	9.22
AC 172074K	18-217	9.22
AC 172075K	18-266	9.22
AC 172082K	18-218	9.22
AC 172086	18-184	9.22
AC 172086K	18-221	9.22
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AC 172089	18-238	9.22
AC 172089K	18-240	9.22
AC 172090K	18-241	9.22
AC 173085	18-237	9.21
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AC 181101	17-44	1.51
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AC 181103	17-64	1.51
AC 181104	17-65	1.51
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AC 201101	53-219	1.37
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AC 201107	53-268	1.38
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AC 201117	53-263	1.37
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AC 201121	53-290	1.37
AC 201122	53-322	1.37
AC 201123	53-362	1.37
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AC 33002	90-126	5.27
AC 33007	90-64	5.27
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AC 40114C	53-286	1.46
AC 40116	53-368	1.47
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BT 1006	33-204	13.12
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BT 37-165	45-12	4.17
BT 37-2	45-11	4.17
BT 43-18	49-130	4.61
BT 81-T	45-33	4.16
BT 81E	45-23	4.16
BT 97-3	45-17	4.17
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BT HD-2	97-127	13.12
BT HD-3	97-128	13.12
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BT HDP-11K	96-530	7.58
BT HDP-5EPK	96-298	7.58
BT HDP-5K	96-59	7.32
BT HDP-6	96-63	7.58
BT HDP-7	96-242	7.60
BT HDP-9K	96-368	7.58
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BT MT-52	96-53	7.57
BT MT-68	96-55	7.58
BT MT-69	96-458	7.58
BT MT-73	96-528	7.49
BT MT-77	96-610	7.59
BT MT-78	96-611	7.57
BT N13-62	48-87	4.83
BT RA	34-39	4.9
BT RA2	34-87	4.9
BT S-79	34-82	4.8
BT SK-10	96-370	7.57
BT SK-1EP1	96-243	7.57
BT SK-3K	96-7	7.57
BT SK-3S	96-454	7.57
BT SK-5-11	96-83	7.57
BT SK-5-14	96-82	7.57
BT SK-5-16	96-81	7.57
BT SK-8	96-8	7.54
BT SK-9EP1	96-457	7.24
BT SK-9K	96-369	7.57
BT SK4	96-80	7.57
BT SK5	96-34	7.57
BT SK6	96-35	7.57
BT SK7	96-244	7.57
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CS MT-134	64-319	10.11
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CS PHD-128T	62-357	10.8
CS PHD-210	62-73	10.9
CS RFB-2	104-3	2.16
CS SS-134	64-300	10.11
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CY 6932-5	41-501	14.8
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CY 6935-2	41-504	14.8
CY 6936-1	41-505	14.8
CY 6937-1	41-506	14.8
CY 6938-1	41-507	14.8
CY 6942-5	41-508	14.8
CY 6943-4	41-509	14.8
CY 6944-3	41-510	14.8
CY 6945-2	41-511	14.8
CY 6946-1	41-512	14.8
CY 6947-1	41-513	14.8
CY 6948-1	41-514	14.8
CY 7009-1	41-127	3.15
CY 7017-16	41-547	14.10
CY 7101-1	94-139	7.62
CY 7104-2	69-46	8.30
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CY 7110-8	41-349	14.10
CY 7114-2	41-551	14.10
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CY 7122-4	91-267	6.48
CY 7123-4	91-268	6.48
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CY 7131-12	91-263	6.47
CY 7131-8	41-561	14.10
CY 7132-12	91-264	6.47
CY 7134-8	89-60	6.46
CY 7135-8	89-59	6.46
CY 7136-14	41-618	14.9
CY 7137-22	41-584	14.10
CY 7139-4	41-610	14.9
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CY 7156-2	41-343	7.47
CY 7206-2	41-598	14.9
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CY 7351-2	41-267	7.47
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CY 7506-4	91-261	6.48
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CY 7508-20	89-62	6.46
CY 7509-20	89-63	6.46
CY 7517-8	89-65	6.38
CY 7604-7	41-573	14.10
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CY 7620-1	27-65	3.15
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CY 7716-2	21-116	4.51
CY 7801-2	21-133	8.11
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CY 7817-1	58-111	7.89
CY 7819-4	47-65	4.18
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CY 7823-12	89-134	6.46
CY 7824-12	89-135	6.46
CY 7825-20	93-421	6.36
CY 7826-1	94-138	7.62
CY 7827-12	41-576	14.10
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CY 8016-4	41-549	14.10
CY 8101-6	5-77	7.69
CY 8104-16	41-401	6.62

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CY 8127-34	41-566	14.10
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CY 8140-34	41-881	14.12
CY 8142-34	41-571	14.10
CY 8143-34	41-882	14.12
CY 8147-13	41-870	14.12
CY 8151-2	53-195	1.39
CY 8153-2	53-194	14.12
CY 8160-4	32-119	5.18
CY 8166-12	41-540	14.7
CY 8167-12	41-541	14.7
CY 8168-6	41-542	14.7
CY 8169-6	41-543	14.7
CY 8170-10	41-398	6.36
CY 8200-10	33-118	14.12
CY 8203-6	19-56	2.14
CY 8204-4	91-315	6.48
CY 8206-9	5-94	2.7
CY 8209-2	53-241	14.12
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CY 8224-8	41-779	14.9
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CY 8417-4	41-522	14.8
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CY 8419-2	41-524	14.8
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CY 8422-1	41-527	14.8
CY 8427-2	41-531	14.8
CY 8428-1	41-532	14.8
CY 8429-1	41-533	14.8
CY 8430-1	41-534	14.8
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CY 8701-2	41-886	14.9
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MU 16105	89-47	9.18
MU 16107	5-113	9.18
MU 16111	89-71	9.17
MU 16115	89-307	9.16
MU 16121	89-301	9.18
MU 16130	53-401	9.4
MU 16144	53-402	9.4
MU 16313	53-402	9.4
MU 16601	53-406	9.18
MU 17053	70-120	9.8
MU 17059	18-181	9.20
MU 17069	70-138	1.45
MU 17070	70-130	1.45
MU 17309	53-194	14.12
MU 17511A	53-209	9.3
MU 17512	53-210	9.3
MU 17513F	53-211	9.3
MU 17514	53-246	9.3
MU 17516F	91-352	9.3
MU 17524	53-244	9.3
MU 17534F	53-208	9.3
MU 17535	53-151	9.8
MU 17545	53-389	9.4
MU 17546	53-390	9.4
MU 17547	53-404	9.4
MU 17601	53-13	9.9
MU 17602	53-12	9.9
MU 17603	53-20	9.10
MU 17605	53-14	9.13
MU 17606	53-21	9.10
MU 17609	53-8	9.13
MU 17610	53-9	9.13
MU 17611	53-10	9.13
MU 17615	53-387	9.9
MU 17616	53-388	9.9
MU 17716	53-287	1.47
MU 17732	70-133	1.45
MU 18001	3-174	9.25
MU 18003	3-191	9.25
MU 18005	3-192	9.25
MU 18032	3-256	9.24
MU 18033B	3-189	9.24
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MU 18035B	3-188	9.24
MU 18036E	3-164	9.24
MU 18037E	3-193	9.24
MU 18038E	3-162	9.24
MU 18039E	3-32	9.24
MU 18040E	3-170	9.24
MU 18401	18-214	9.22
MU 18402	18-215	9.22
MU 18403	18-216	9.22
MU 18404	18-217	9.22
MU 18405	18-266	9.22
MU 18406	18-218	9.22
MU 18408	18-221	9.22
MU 18417	18-238	9.22
MU 18419	18-240	9.22
MU 18420	18-241	9.22
MU 18602	18-234	9.21
MU 18700	18-103	9.20
MU 18717	18-110	9.20
MU 18750	18-101	9.22
MU 18751	18-98	9.22
MU 18752	18-100	9.22
MU 18753	18-99	9.22
MU 18757	18-184	9.22
MU 18800	5-96	9.21
MU 18903	18-276	9.21
MU 19002	53-172	9.12
MU 19004	53-174	9.12
MU 19006	53-176	9.12
MU 19007	53-177	9.12
MU 19008	53-172	9.12
MU 19009	53-589	9.8
MU 19010	53-6	9.12
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MU 23222	87-82	2.21
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MU 26415	13-75	12.5
MU 26417	13-77	12.4
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MU 26606	105-13	2.9
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MU 26702	74-60	12.11
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MU 26708	121-1	11.8
MU 26805	13-70	12.3
MU 26806	13-71	12.3
MU 26808	13-63	12.2
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MU 26861	13-18	12.6
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MU 27902	82-74	11.6
MU 27903	82-71	11.7
MU 27904	82-72	11.7
MU 27905	82-73	11.7
MU 27906	82-16	11.6
MU 27907	82-76	11.6
MU 27908	82-78	11.6
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MU 29505	5-111	2.23
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MU 31002	97-15	13.11
MU 31004	97-16	13.11
MU 36632	27-101	3.15
MU 43010	47-180	4.14
MU 43015	47-179	4.14
MU 45408	90-240	4.25
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MU 47927	48-765	4.63
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MU 48301	89-191	8.11
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MU 48307	89-145	8.11
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MU 90101	62-616	10.6
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MU 90322	62-626	10.6
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MU 91404	62-357	10.8
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MU 97011	64-367	10.10
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MU 97071	64-319	10.11
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MU 97201	64-417	10.10
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MU 98004	66-45	8.30
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R1 12-242	22-49	7.45
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R1 12-251	17-74	1.50
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R1 12-269	89-3	1.4
R1 12-270	89-73	6.64
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R1 12-290	33-179	14.14
R1 12-297	5-109	7.62
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R1 12-494	53-274	1.38
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R1 15-020	96-538	7.12
R1 15-054	96-329	7.50
R1 15-058	96-115	7.53
R1 15-078	96-71	7.32
R1 15-079	96-152	7.32
R1 15-080	96-153	7.32
R1 15-089	7-42	1.15
R1 15-090	7-47	1.15
R1 15-103	17-9	1.50
R1 15-127	86-88	1.34
R1 15-128	86-87	1.33
R1 15-130	86-55	1.29
R1 15-131	5-62	7.69
R1 15-142	89-231	1.5
R1 15-148	89-127	7.95
R1 15-151	89-128	9.17
R1 15-153	89-304	9.17
R1 15-204	5-72	1.4
R1 15-228	89-1	1.46
R1 15-232	27-63	3.13
R1 15-233	27-65	3.15
R1 15-240	27-54	3.15
R1 15-242	27-104	3.13
R1 15-257	18-103	9.20
R1 15-260	18-104	1.8
R1 15-296	20-60	8.2
R1 15-298	20-65	8.2
R1 15-906	10-26	4.17
R1 15-907	95-110	6.92
R1 15-909	47-59	4.17
R1 15-910	47-66	4.28
R1 15-911	47-67	4.28
R1 15-912	94-95	5.17
R1 15-914	96-55	7.58
R1 15-936	89-90	7.96
R1 15-944	30-35	5.15
R1 15-951	45-24	4.16
R1 15-952	35-51	4.12
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R1 15-996	90-232	4.20
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R1 16-055	5-80	8.5
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R1 17-093	93-306	6.52
R1 17-094	93-308	6.52
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R1 17-097	93-311	6.52
R1 17-098	93-312	6.52
R1 17-099	93-313	6.52
R1 17-115	5-118	2.6
R1 17-130	53-29	9.13
R1 17-131	53-230	9.13
R1 17-375	78-151	8.33
R1 17-382	94-118	7.66
R1 17-383	94-119	7.66
R1 17-385	94-122	7.66
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R1 18-366	94-155	7.64
R1 18-369	94-172	7.64
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R1 18-431	89-116	8.11
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R1 18-532	90-233	5.35
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R1 18-534	90-358	5.35
R1 18-537	90-328	5.35
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R1 18-675	98-333	6.82
R1 18-827	22-91	4.42
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R1 18-901	53-275	1.38
R1 18-931	18-107	1.6
R1 18-932	18-106	1.6
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R1 18-951	1-33	1.2
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R1 19-052	90-368	5.18
R1 19-059	90-90	5.26
R1 19-061	90-88	5.26
R1 19-063	90-85	5.17
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R1 19-069	10-38	4.30
R1 19-070	10-39	4.30
R1 19-072	10-30	4.33
R1 19-073	90-184	4.33
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R1 19-079	47-60	4.21
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R1 19-083	48-440	4.72
R1 19-084	48-442	4.80
R1 19-085	48-443	4.72
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R1 19-099	89-285	4.50
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R1 19-244	11-81	1.32
R1 19-247	11-72	1.31
R1 19-261	5-85	1.38
R1 19-265	21-90	8.42
R1 19-281	53-296	1.36
R1 19-283	5-126	1.38
R1 19-312	90-89	5.27
R1 19-316	90-170	4.28
R1 19-317	10-35	4.18
R1 19-319	90-86	5.27
R1 19-325	8-75	2.16
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R1 19-350	94-55	7.66
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R1 19-476	78-51	6.64
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R1 19-499	39-359	8.24
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R1 19-511	47-64	4.18
R1 19-512	47-65	4.18
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R1 19-520	96-419	7.98
R1 19-522	33-24	5.18
R1 19-524	96-551	7.98
R1 19-525	96-552	7.98
R1 19-537	90-167	4.28
R1 19-555	36-304	5.7
R1 19-569	33-110	5.18
R1 19-570	33-180	5.18
R1 19-571	33-109	5.18
R1 19-572	95-308	5.18
R1 19-573	33-194	5.18
R1 19-577	33-193	5.18
R1 19-641	89-83	1.16
R1 19-642	89-84	1.16
R1 19-644	8-56	1.22
R1 19-652	19-43	2.14
R1 19-677	33-195	5.16
R1 19-682	33-182	5.20
R1 19-684	33-187	5.17
R1 19-685	33-184	5.17
R1 19-686	33-183	5.20
R1 19-687	36-305	5.7
R1 19-689	33-183	5.20
R1 19-698	32-111	5.18
R1 19-699	32-126	5.27
R1 19-772	53-161	1.40
R1 19-773	11-44	1.25
R1 19-774	96-352	7.54
R1 19-782	53-161	1.40
R1 19-881	12-129	8.37
R1 19-953	22-79	7.48
R1 19-956	22-1	4.43
R1 19-958	22-3	4.42
R1 20-007	98-312	6.80
R1 20-008	98-319	6.82
R1 20-010	96-281	7.34
R1 20-016	96-19	7.32
R1 20-017	96-348	7.42
R1 20-018	96-199	7.55
R1 20-019	96-20	7.47
R1 20-020	96-85	7.50
R1 20-021	95-309	7.32
R1 20-022	98-339	6.25
R1 20-023	91-310	6.86
R1 20-025	98-285	6.80
R1 20-027	98-320	6.80
R1 20-028	98-286	6.80
R1 20-029	98-334	6.34
R1 20-030	98-309	6.99
R1 20-031	95-310	6.92
R1 20-033	95-76	6.92
R1 20-034	95-62	6.92
R1 20-036	98-360	6.23
R1 20-038	91-283	6.64
R1 20-039	91-284	6.72
R1 20-042	98-345	6.82
R1 20-045	95-343	6.86
R1 20-047	96-61	7.50
R1 20-051	91-74	6.49
R1 20-054	94-139	7.62
R1 20-055	94-138	7.62
R1 20-057	98-289	6.80
R1 20-058	98-276	6.80
R1 20-059	98-318	6.82
R1 20-060	98-256	6.80
R1 20-061	98-291	6.80
R1 20-062	95-108	6.86
R1 20-063	95-342	6.86
R1 20-064	95-71	6.86
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R1 20-067	96-348	7.42
R1 20-072	98-264	6.80
R1 20-073	98-293	6.80
R1 20-074	98-294	6.80
R1 20-075	98-295	6.80
R1 20-081	95-314	7.45
R1 20-082	95-416	6.96
R1 20-084	91-271	6.91
R1 20-085	91-272	6.96
R1 20-090	98-273	6.80
R1 20-091	98-305	6.80
R1 20-092	94-137	6.25
R1 20-095	98-272	6.34
R1 20-099	98-301	6.82
R1 20-125	96-407	7.42
R1 20-126	96-406	7.42
R1 20-127	96-421	1.40
R1 20-140	96-484	7.43
R1 20-211	98-374	6.77
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R1 20-213	98-376	6.77
R1 20-214	98-377	6.77
R1 20-215	98-378	6.77
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R1 20-420	98-361	6.82
R1 20-422	98-354	6.80
R1 22-000	3-174	9.25
R1 22-011	3-191	9.25
R1 22-012	3-192	9.25
R1 22-111	3-32	9.24
R1 22-115	3-193	9.24
R1 22-116	3-188	9.24
R1 22-127	3-164	9.24
R1 22-128	3-162	9.24
R1 22-129	3-189	9.24
R1 22-130	3-228	9.24
R1 22-150	3-210	9.23
R1 22-151	3-211	9.23
R1 22-152	3-212	9.23
R1 22-153	3-227	9.23
R1 22-155	3-226	9.23
R1 22-156	3-214	9.23
R1 23-030	93-314	6.52
R1 23-038	93-330	6.52
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R1 24-063	91-273	6.50
R1 24-064	91-518	6.50
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R1 24-214	96-386	7.38
R1 24-215	96-387	7.38
R1 24-216	96-388	7.38
R1 24-217	96-169	7.34
R1 24-232	96-185	7.32
R1 24-233	96-354	7.38
R1 24-234	96-355	7.38
R1 24-236	96-403	7.37
R1 24-237	96-404	7.37
R1 24-241	96-392	7.37
R1 24-336	96-476	7.24
R1 24-337	96-477	7.24
R1 24-462	91-432	6.45
R1 24-465	91-436	6.45
R1 24-466	91-437	6.45
R1 24-467	91-438	6.45
R1 24-998	53-265	1.47
R1 25-000	96-202	7.53
R1 25-003	53-288	1.46
R1 25-004	53-287	1.47

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R1 25-020	95-101	1.40
R1 25-024	89-47	9.18
R1 25-025	53-247	1.47
R1 25-028	5-30	1.5
R1 25-029	5-31	1.5
R1 25-030	5-32	1.5
R1 25-031	5-33	1.5
R1 25-032	5-129	1.5
R1 25-033	53-321	1.47
R1 25-046	53-286	1.46
R1 25-053	96-69	7.34
R1 25-054	96-70	7.34
R1 25-056	5-64	8.5
R1 25-060	96-319	7.36
R1 25-102	95-321	8.30
R1 25-103	95-236	7.32
R1 25-122	41-886	14.9
R1 25-124	41-890	14.9
R1 25-190	90-128	5.28
R1 25-191	90-300	5.28
R1 25-201	17-62	1.10
R1 25-209	41-885	14.9
R1 25-230	89-112	7.95
R1 25-231	90-107	4.28
R1 25-233	95-238	7.91
R1 25-234	27-71	3.20
R1 25-236	5-86	9.18
R1 25-237	27-72	3.20
R1 25-238	27-73	3.20
R1 25-239	27-96	3.11
R1 25-245	21-106	8.9
R1 25-247	11-72	1.31
R1 25-250	25-78	8.47
R1 25-251	25-77	8.47
R1 25-254	89-320	9.18
R1 25-264	89-242	14.14
R1 25-265	89-242	14.14
R1 25-266	89-280	1.46
R1 25-275	95-136	5.17
R1 25-279	27-97	3.17
R1 25-280	95-149	5.17
R1 25-282	96-124	7.47
R1 25-283	96-119	7.47
R1 25-284	96-120	7.47
R1 25-285	96-121	7.32
R1 25-287	96-172	7.32
R1 25-288	96-173	7.47
R1 25-291	96-123	7.32
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R1 25-308	95-223	7.40
R1 25-309	95-327	7.32
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R1 25-317	95-328	7.34
R1 25-319	78-47	7.42
R1 25-323	95-325	7.32
R1 25-330	95-360	3.19
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R1 25-380	96-121	7.32
R1 25-381	96-408	7.32
R1 25-389	96-155	7.32
R1 25-390	96-156	7.47
R1 25-391	94-133	7.62
R1 25-392	96-332	7.45
R1 25-393	96-190	7.50
R1 25-394	96-334	7.32
R1 25-395	96-196	7.53
R1 25-396	94-134	7.62
R1 25-397	96-413	7.42
R1 25-400	95-140	6.96
R1 25-401	96-395	7.36
R1 25-402	95-372	7.34
R1 25-403	95-173	6.23
R1 25-404	98-372	6.86
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R1 25-413	53-316	9.13
R1 25-414	53-297	9.13
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R1 25-421	58-285	7.66
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R1 25-446	53-9	9.13
R1 25-447	53-10	9.13
R1 25-452	95-151	7.32
R1 25-453	95-316	7.34
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R1 25-463	17-64	1.51
R1 25-464	17-65	1.51
R1 25-478	53-290	1.37
R1 25-482	53-263	1.37
R1 25-483	53-264	7.71
R1 25-488	53-262	1.37
R1 25-489	53-219	1.37
R1 25-494	90-280	5.27
R1 25-495	90-126	5.27
R1 25-498	53-262	1.37
R1 25-504	53-157	1.47
R1 25-505	17-43	1.51
R1 25-506	17-44	1.51
R1 25-533	17-35	1.53
R1 25-534	17-36	1.53
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R1 25-558	90-127	5.24
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R1 25-564	12-181	8.37
R1 25-566	12-231	8.37
R1 25-587	53-42	9.14
R1 25-588	53-43	9.14
R1 25-608	95-114	6.82
R1 25-625	90-278	5.13
R1 25-635	90-244	5.28
R1 25-638	90-207	5.13
R1 25-639	94-141	5.20
R1 25-651	94-170	7.65
R1 25-696	94-169	7.66
R1 25-699	95-171	7.47
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R1 25-913	90-129	5.28
R1 25-914	90-130	5.28
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R1 25-941	96-232	7.47
R1 25-942	96-230	7.47
R1 25-969	96-94	7.61
R1 25-972	89-91	4.53
R1 25-973	57-92	4.49
R1 25-974	57-96	4.49
R1 25-976	70-123	9.8
R1 25-979	70-120	9.8
R1 25-980	96-174	7.47
R1 25-981	96-175	7.47
R1 25-982	96-176	5.20
R1 26-010	95-340	6.86
R1 26-011	95-341	6.86
R1 26-021	21-118	8.6
R1 26-048	95-320	6.23
R1 26-050	89-191	8.11
R1 26-051	95-139	5.19
R1 26-052	23-125	4.43
R1 26-056	47-82	4.16
R1 26-057	47-84	4.16
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R1 26-064	96-179	7.45
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R1 26-093	17-52	1.53
R1 26-094	5-99	2.15
R1 26-095	19-22	2.11
R1 26-096	19-57	2.11
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R1 26-102	90-151	4.25
R1 26-103	27-60	3.20
R1 26-104	27-61	3.20
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R1 26-125	90-239	4.24
R1 26-131	86-84	1.33
R1 26-132	86-84	1.33
R1 26-133	95-186	5.18
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R1 26-146	19-60	2.14
R1 26-149	86-85	1.33
R1 26-154	8-71	1.33
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R1 26-157	53-151	9.8
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R1 26-188	89-110	4.52
R1 26-189	89-129	4.53
R1 26-192	47-89	4.17
R1 26-193	47-162	4.17
R1 26-196	5-63	7.69
R1 26-206	96-159	7.32
R1 26-209	96-162	7.32
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R1 26-213	96-166	7.32
R1 26-223	89-201	4.28
R1 26-234	86-34	1.22
R1 26-236	86-41	1.23
R1 26-245	78-148	6.111
R1 26-254	90-208	4.24
R1 26-258	95-411	7.32
R1 26-259	96-479	7.32
R1 26-267	53-20	9.10
R1 26-272	95-423	7.32
R1 26-286	90-409	4.27
R1 26-300	93-259	6.72
R1 26-301	93-260	6.72
R1 26-318	90-200	5.27
R1 26-344	89-145	8.11
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R1 26-352	86-49	4.52
R1 26-356	86-47	4.53
R1 26-363	95-174	1.40
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R1 26-422	93-373	6.59
R1 26-423	93-273	6.64
R1 26-428	89-252	8.40
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R1 26-435	17-40	4.30
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R1 26-441	89-149	4.51
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R1 26-452	95-229	7.32
R1 26-455	17-45	1.50
R1 26-473	8-77	1.16
R1 26-477	7-45	1.15
R1 26-481	21-166	8.7
R1 26-482	21-167	8.7
R1 26-483	83-10	5.28
R1 26-484	90-231	5.28
R1 26-485	27-53	3.15
R1 26-487	123-5	4.46
R1 26-488	123-6	4.46
R1 26-489	116-4	2.24
R1 26-491	11-45	1.16
R1 26-492	116-4	2.24
R1 26-493	27-68	3.15
R1 26-498	21-129	4.53
R1 26-500	96-308	7.50
R1 26-517	104-13	2.17
R1 26-518	104-14	2.17
R1 26-519	104-15	2.17
R1 26-524	19-77	2.11
R1 26-538	89-258	4.7
R1 26-560	123-7	4.45
R1 26-561	123-8	4.45
R1 26-564	123-10	4.46
R1 26-565	123-11	4.46
R1 26-566	123-12	4.46
R1 26-599	70-130	1.45
R1 26-655	25-85	8.46
R1 26-689	18-187	1.9
R1 26-690	18-188	1.9
R1 26-691	18-189	1.9
R1 26-695	18-190	1.9
R1 26-696	18-191	1.9
R1 26-698	18-193	1.9
R1 26-717	57-88	4.49
R1 26-720	57-86	4.52
R1 26-725	57-90	4.47
R1 26-730	57-93	4.47
R1 26-739	96-270	7.53
R1 26-740	96-271	7.53
R1 26-741	96-269	7.45
R1 26-753	89-278	3.19
R1 26-800	96-158	7.32
R1 26-803	96-471	7.32
R1 26-806	96-599	4.47
R1 27-607	93-266	6.62
R1 27-751	48-486	4.72
R1 27-920	48-443	4.72
R1 28-006	47-73	4.28
R1 28-013	98-358	6.11
R1 28-014	98-359	6.11
R1 28-015	71-137	8.43
R1 28-016	71-138	8.43
R1 28-018	89-238	6.98
R1 28-026	91-288	6.72
R1 28-029	91-528	6.72
R1 28-030	91-529	6.72
R1 28-031	91-530	6.72
R1 28-032	91-531	6.72
R1 28-033	47-159	4.18
R1 28-041	96-390	7.37
R1 28-042	96-295	7.44
R1 28-043	96-321	7.44
R1 28-044	96-294	7.43
R1 28-046	96-451	7.4
R1 28-050	96-460	7.61
R1 28-062	96-256	7.61
R1 28-063	88-57	7.93
R1 28-065	88-49	7.94
R1 28-066	88-52	7.94
R1 28-068	90-224	4.25
R1 28-071	90-166	4.28
R1 28-072	27-74	3.20
R1 28-073	27-75	3.20
R1 28-074	95-226	1.48
R1 28-076	35-54	4.13
R1 28-080	27-94	3.20
R1 28-081	95-356	6.66
R1 28-088	116-6	2.24
R1 28-089	116-7	2.22
R1 28-099	116-2	2.22
R1 28-101	116-3	2.22
R1 28-102	47-100	4.33
R1 28-105	90-238	5.25
R1 28-106	90-212	5.25
R1 28-107	90-213	5.25
R1 28-108	26-110	8.40
R1 28-110	90-214	5.25
R1 28-111	47-94	4.15
R1 28-112	47-111	4.15
R1 28-115	88-53	6.86
R1 28-125	48-375	4.72
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R1 28-127	96-268	7.42
R1 28-129	90-202	4.24
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R1 28-168	5-115	2.23
R1 28-170	5-102	2.23
R1 28-171	5-103	2.23
R1 28-172	5-104	2.23
R1 28-173	5-106	2.23
R1 28-174	5-107	2.23
R1 28-175	5-105	2.23
R1 28-177	5-111	2.23
R1 28-178	5-112	2.23
R1 28-180	90-349	4.60
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R1 28-182	90-351	4.31
R1 28-183	90-348	4.60
R1 28-185	90-352	4.60
R1 28-190	90-329	4.27
R1 28-460	89-351	6.38
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R1 28-610	14-27	1.45
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R1 28-624	70-144	1.45
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R1 28-627	53-295	1.48
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R1 28-924	105-13	2.9
R1 28-928	105-1	2.9
R1 28-929	105-2	2.9
R1 28-932	105-12	2.9
R1 28-933	105-13	2.9
R1 30-514	96-568	7.24
R1 30-515	96-556	7.24
R1 30-800	96-236	7.34
R1 30-803	96-337	7.45
R1 30-809	96-234	7.34
R1 30-900	96-503	7.34
R1 30-901	96-505	7.34

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R1 31-110	32-119	5.18
R1 31-115	83-8	2.6
R1 31-120	66-76	5.28
R1 31-622	105-1	2.9
R1 36-204	41-888	14.9
R1 36-230	90-246	5.28
R1 37-056	74-63	12.11
R1 37-058	74-60	12.11
R1 37-251	89-128	9.17
R1 43-043	58-272	7.88
R1 43-044	58-273	7.88
R1 46-101	22-155	4.44
R1 46-104	22-152	4.44
R1 46-105	22-153	4.44
R1 46-106	22-151	4.20
R1 47-113	47-121	4.15
R1 49-055	95-219	6.85
R1 49-056	95-220	6.85
R1 49-057	95-292	6.85
R1 49-058	95-293	6.85
R1 49-059	95-294	6.85
R1 49-060	95-295	6.85
R1 49-103	96-309	7.50
R1 49-105	96-481	7.54
R1 49-106	98-266	6.92
R1 49-119	93-422	6.60
R1 49-121	98-364	6.94
R1 49-122	98-331	6.94
R1 49-123	98-267	6.92
R1 49-124	98-332	6.86
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R1 54-058	95-221	6.98
R1 54-061	95-102	1.40
R1 54-065	95-324	7.34
R1 54-073	95-380	7.40
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R1 54-150	95-403	8.31
R1 54-191	78-95	7.40
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R1 56-047	93-292	6.59
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R1 56-086	93-365	6.59
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R1 56-364	96-522	7.26
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R1 56-407	90-64	5.27
R1 64-013	32-34	5.38
R1 64-018	32-138	5.38
R1 64-021	32-124	5.38
R1 64-029	32-186	5.38
R1 64-037	32-192	5.38
R1 64-039	32-109	5.20
R1 64-043	32-104	5.17
R1 64-046	32-195	5.38
R1 64-051	32-194	5.38
R1 64-053	32-139	5.38
R1 64-054	32-133	5.19
R1 64-089	32-193	5.38
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R1 64-095	32-197	5.38
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R1 99-011	91-221	6.43
R1 99-028	91-222	6.43
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R1 99-081	91-225	6.43
R1 99-082	91-226	6.43
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R1 99-294	91-243	6.42
R1 99-295	91-244	6.42
R1 99-296	91-536	6.42
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R2 010420	71-137	8.43
R2 010440	89-73	6.64
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R2 010856	93-288	6.59
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R2 010860	93-369	6.59
R2 010861	93-386	6.59
R2 010862	93-388	6.59
R2 010863	93-387	6.59
R2 010864	93-371	6.59
R2 010870	93-364	6.59
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R2 011810	91-226	6.43
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R2 011820	91-219	6.43
R2 011821	91-217	6.43
R2 011822	91-218	6.43
R2 011853	91-606	6.43
R2 011854	91-607	6.43
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R2 020008	95-340	6.86
R2 020013	95-341	6.86
R2 020078	95-219	6.85
R2 020079	95-220	6.85
R2 020080	95-292	6.85
R2 020081	95-293	6.85
R2 020082	95-294	6.85
R2 020083	95-295	6.85
R2 020090	98-273	6.80
R2 020145	98-264	6.80
R2 020146	98-293	6.80
R2 020147	98-294	6.80
R2 020148	98-295	6.80
R2 020149	98-318	6.82
R2 020150	98-301	6.82
R2 020203	98-333	6.82
R2 020208	98-288	6.80
R2 020211	98-374	6.77
R2 020212	98-375	6.77
R2 020213	98-376	6.77
R2 020214	98-377	6.77
R2 020215	98-378	6.77
R2 020216	98-379	6.77
R2 020217	98-380	6.77
R2 020218	98-381	6.77
R2 020219	98-382	6.77
R2 020220	98-383	6.77
R2 020222	98-319	6.82
R2 020252	95-114	6.82
R2 020312	98-312	6.80
R2 020313	98-266	6.92
R2 020349	95-110	6.92
R2 020350	98-372	6.86
R2 020500	89-238	6.98
R2 020505	98-334	6.34
R2 020507	98-325	6.34
R2 020515	98-329	6.99
R2 020519	98-272	6.34
R2 020521	98-358	6.11
R2 020524	98-275	6.98
R2 020526	98-305	6.80
R2 020527	94-137	6.25
R2 020531	21-123	8.40
R2 020551	98-324	6.92
R2 020552	98-359	6.11
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R2 020581	98-331	6.94
R2 030003	89-71	9.17
R2 030006	89-1	1.46
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R2 030016	89-128	9.17
R2 030019	89-304	9.17
R2 030195	89-280	1.46
R2 030230	95-101	1.40
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R2 030236	53-193	1.40
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R2 030257	70-130	1.45
R2 030260	70-143	1.45
R2 030270	70-139	1.45
R2 030273	70-144	1.45
R2 030274	70-145	1.45
R2 030275	70-142	1.45
R2 030331	95-76	6.92
R2 030340	95-310	6.92
R2 030344	95-62	6.92
R2 030345	95-318	6.92
R2 030346	95-320	6.23
R2 030347	98-360	6.23
R2 030525	5-85	1.38
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R2 030538	53-275	1.38
R2 030539	53-275	1.38
R2 030541	53-268	1.38
R2 030561	53-262	1.37
R2 030562	53-219	1.37
R2 030567	53-263	1.37
R2 030568	53-264	7.71
R2 030569	53-290	1.37
R2 030571	17-62	1.10
R2 030575	53-322	1.37
R2 030605	53-296	1.36
R2 030621	53-300	1.35
R2 030623	53-340	1.36
R2 030624	53-341	1.36
R2 030627	53-319	1.35
R2 030900	5-86	9.18
R2 030904	95-238	7.91
R2 030920	53-297	9.13
R2 030925	53-29	9.13
R2 030926	53-230	9.13
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R2 030933	53-43	9.14

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R2 031021	70-123	9.8
R2 031023	53-151	9.8
R2 031115	53-246	9.3
R2 031118	53-209	9.3
R2 031119	53-210	9.3
R2 031135	53-9	9.13
R2 031136	53-10	9.13
R2 031160	3-210	9.23
R2 031166	3-212	9.23
R2 031168	3-227	9.23
R2 031172	3-226	9.23
R2 031174	3-214	9.23
R2 031177	3-174	9.25
R2 031183	18-103	9.20
R2 031200	3-191	9.25
R2 031201	3-192	9.25
R2 031210	3-189	9.24
R2 031211	3-228	9.24
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R2 031213	3-193	9.24
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R2 040243	12-129	8.37
R2 040244	12-130	8.37
R2 040245	12-181	8.37
R2 040247	12-231	8.37
R2 040320	69-65	8.29
R2 040380	48-375	4.72
R2 040406	39-355	8.28
R2 040407	39-356	8.28
R2 040408	39-357	8.28
R2 040409	39-358	8.28
R2 040430	39-387	8.28
R2 040434	39-386	8.28
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R2 050015	22-71	7.19
R2 050016	22-49	7.45
R2 050020	96-232	7.47
R2 050025	47-93	7.45
R2 050026	47-58	7.45
R2 050028	96-230	7.47
R2 050031	96-172	7.32
R2 050033	96-124	7.47
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R2 050037	96-227	7.45
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R2 050039	96-168	7.45
R2 050050	89-166	7.47
R2 050054	96-20	7.47
R2 050058	96-123	7.32
R2 050059	95-171	7.47
R2 050060	96-120	7.47
R2 050062	96-119	7.47
R2 050064	96-173	7.47
R2 050068	96-175	7.47
R2 050090	96-178	7.45
R2 050091	96-179	7.45
R2 050092	96-336	7.45
R2 050300	89-34	1.46
R2 050336	53-247	1.47
R2 050402	53-287	1.47
R2 050417	53-321	1.47
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R2 050422	53-286	1.46
R2 050433	95-413	1.48
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R2 060012	47-118	4.17
R2 060015	47-24	4.17
R2 060016	47-89	4.17
R2 060017	47-110	4.17
R2 060036	47-64	4.18
R2 060038	10-35	4.18
R2 060040	47-65	4.18
R2 060056	96-484	7.43
R2 060089	96-348	7.42
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R2 060101	96-159	7.32
R2 060103	96-293	7.42
R2 060107	96-540	7.44
R2 060110	96-294	7.43
R2 060111	96-268	7.42
R2 060117	96-406	7.42
R2 060118	96-421	1.40
R2 060119	96-407	7.42
R2 060122	96-464	7.42
R2 060123	96-130	7.42
R2 060124	96-129	7.42
R2 060140	47-159	4.18
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R2 060540	53-269	1.38
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R2 060697	96-311	7.32
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R2 060708	96-231	7.32
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R2 060715	94-140	7.62
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R2 060723	96-411	7.32
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R2 060741	96-471	7.32
R2 060750	96-163	7.32
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R2 060770	96-226	7.32
R2 060771	96-312	7.32
R2 060772	96-473	7.30
R2 060798	95-151	7.32
R2 060799	95-316	7.34
R2 060800	96-395	7.36
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R2 060821	95-173	6.23
R2 060830	91-271	6.91
R2 060831	91-272	6.96
R2 060901	96-295	7.44
R2 060902	96-321	7.44
R2 060910	96-234	7.34
R2 060951	96-338	7.62
R2 060952	96-390	7.37
R2 060954	96-265	7.34
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R2 060964	96-319	7.36
R2 060970	96-236	7.34
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R2 061017	96-388	7.38
R2 061020	96-354	7.38
R2 061021	96-355	7.38
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R2 061055	96-403	7.37
R2 061056	96-404	7.37
R2 061079	96-476	7.24
R2 061080	96-477	7.24
R2 061101	96-507	7.26
R2 061102	96-508	7.26
R2 061103	96-509	7.26
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R2 061105	96-511	7.26
R2 061106	96-512	7.26
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R2 061156	96-503	7.34
R2 070001	96-93	7.61
R2 070002	96-94	7.61
R2 070003	96-95	7.61
R2 070004	96-96	7.61
R2 070006	96-443	7.61
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R2 070012	95-411	7.32
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R2 070034	96-451	7.4
R2 070035	96-256	7.61
R2 070037	96-94	7.61
R2 070040	96-53	7.57
R2 070050	96-54	7.55
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R2 070056	96-211	7.50
R2 070057	96-210	7.50
R2 070060	96-84	7.50
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R2 070174	96-440	7.61
R2 070180	5-75	7.62
R2 070181	5-74	7.62
R2 070182	5-109	7.62
R2 070199	47-55	4.20
R2 070201	47-26	4.18
R2 070218	47-56	4.21
R2 070220	47-60	4.21
R2 070221	47-56	4.21
R2 070222	47-108	4.21
R2 070224	47-59	4.17
R2 070226	10-26	4.17
R2 070300	96-352	7.54
R2 070312	96-35	7.57
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R2 080020	5-62	7.69
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R2 080034	94-119	7.66
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R2 080044	94-122	7.66
R2 080045	94-123	7.66
R2 080052	94-217	7.63
R2 080053	94-218	7.63
R2 080054	94-219	7.63
R2 080102	94-52	7.64
R2 080103	94-112	7.64
R2 080120	94-91	7.65
R2 080121	94-92	7.65
R2 080125	94-161	7.66
R2 080129	94-176	7.66
R2 080132	94-172	7.64
R2 080135	94-154	7.64
R2 080136	94-155	7.64
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R2 080202	94-85	7.66
R2 080204	94-55	7.66
R2 080224	94-141	5.20
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R2 080311	9-7	7.98
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R2 080408	96-552	7.98
R2 090000	66-96	10.13
R2 090019	95-403	8.31
R2 090580	95-190	7.90
R2 090587	95-241	6.66
R2 090700	95-103	1.40
R2 090716	95-223	7.40
R2 090722	95-327	7.32
R2 090726	95-105	6.92
R2 090737	95-221	6.98
R2 090902	78-63	6.72
R2 090913	78-41	6.72
R2 090918	78-33	6.64
R2 090920	78-51	6.64
R2 090943	78-48	6.72
R2 091014	95-321	8.30
R2 091039	95-102	1.40
R2 091058	78-148	6.111
R2 091066	78-46	6.121
R2 091077	78-47	7.42
R2 091095	95-328	7.34
R2 091096	95-324	7.34
R2 091100	95-236	7.32
R2 091119	95-325	7.32
R2 091142	78-155	1.48
R2 091165	78-149	6.112
R2 091210	95-127	8.43
R2 091250	78-169	1.24
R2 100131	29-45	3.18
R2 100134	11-59	1.17
R2 100150	96-155	7.32
R2 100151	96-156	7.47
R2 100152	96-332	7.45
R2 100153	94-133	7.62
R2 100154	96-190	7.50
R2 100155	96-334	7.32
R2 100156	96-196	7.53
R2 100157	94-134	7.62
R2 100158	96-413	7.42
R2 100169	83-9	2.6
R2 110099	35-51	4.12
R2 110110	89-258	4.7
R2 110162	47-113	4.15
R2 110212	34-92	4.7
R2 110490	90-224	4.25
R2 110520	90-151	4.25
R2 110521	90-240	4.25
R2 110522	78-147	4.25
R2 110526	78-187	4.28
R2 110530	90-329	4.27
R2 110557	47-111	4.15
R2 110562	47-94	4.15
R2 110566	45-24	4.16
R2 110570	47-109	4.20
R2 110700	48-379	4.77
R2 111176	35-54	4.13
R2 111179	35-36	4.13
R2 111354	47-21	4.16
R2 111355	47-82	4.16
R2 111356	47-20	4.16
R2 111357	47-83	4.16
R2 111358	47-19	4.16
R2 111359	47-84	4.16
R2 111384	47-97	4.16
R2 111400	47-23	4.14
R2 111404	47-96	4.16
R2 130009	89-201	4.28
R2 130056	90-328	5.35
R2 130057	90-357	5.35
R2 130058	90-358	5.35
R2 130100	90-183	5.27
R2 130102	90-86	5.27
R2 130104	90-89	5.27
R2 130106	90-163	5.27
R2 130107	90-70	5.27
R2 130108	90-106	5.27
R2 130110	90-92	5.27
R2 130302	90-90	5.26
R2 130303	90-88	5.26
R2 130304	90-85	5.17
R2 130309	90-368	5.18
R2 130315	33-24	5.18
R2 130316	90-200	5.27
R2 130319	90-367	5.18
R2 130329	90-170	4.28
R2 130331	47-67	4.28
R2 130332	47-73	4.28
R2 130333	90-167	4.28
R2 130338	22-53	4.24
R2 130341	47-66	4.28
R2 130352	90-186	4.30
R2 130358	47-71	4.33
R2 130362	90-184	4.33
R2 130363	90-68	4.30
R2 130370	10-38	4.30
R2 130371	10-39	4.30
R2 130400	22-97	4.24
R2 130401	22-99	4.24
R2 130402	22-88	4.24
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R2 130473	90-212	5.25
R2 130474	90-238	5.25
R2 130481	90-280	5.27
R2 130484	90-127	5.24
R2 130485	90-128	5.28
R2 130486	90-129	5.28
R2 130487	90-130	5.28
R2 130489	90-300	5.28
R2 130494	90-302	5.24
R2 130512	90-246	5.28
R2 130518	90-244	5.28
R2 130528	90-278	5.13
R2 130540	90-207	5.13
R2 130612	90-202	4.24
R2 130616	90-58	4.25
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R2 130618	90-239	4.24
R2 130620	90-126	5.27
R2 130638	90-64	5.27
R2 130640	90-107	4.28
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R2 130650	90-349	4.60
R2 130651	90-347	4.60
R2 130652	90-348	4.60
R2 130653	90-351	4.31
R2 130655	90-352	4.60
R2 131230	49-206	4.57
R2 131233	49-222	4.57
R2 140010	95-139	5.19
R2 140014	95-136	5.17
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R2 140020	95-196	2.6
R2 140021	95-235	5.17
R2 140023	95-185	5.18
R2 140024	95-370	5.20
R2 140040	30-4	5.15
R2 140068	30-35	5.15
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R2 140101	31-88	5.15
R2 140102	31-89	5.15
R2 140103	31-93	5.15
R2 140104	31-91	5.15
R2 140121	31-84	5.15
R2 140122	31-85	5.15
R2 140123	31-81	5.15
R2 140125	31-82	5.15
R2 140126	31-78	5.15
R2 140195	33-195	5.16
R2 140200	36-305	5.7
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R2 140324	33-184	5.17
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R2 140341	33-183	5.20
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R2 140366	33-180	5.18
R2 140367	33-109	5.18
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R2 140369	33-194	5.18
R2 140372	33-193	5.18
R2 140435	32-138	5.38
R2 140436	32-139	5.38
R2 140437	32-124	5.38
R2 140440	32-186	5.38
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R2 160007	27-62	3.18
R2 160008	27-53	3.15
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R2 160050	27-60	3.20
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R2 160094	95-360	3.19
R2 170050	89-320	9.18
R2 170120	5-57	2.21
R2 170202	83-7	2.6
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R2 170210	5-118	2.6
R2 170220	32-119	5.18
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R2 190094	22-144	4.42
R2 190097	22-1	4.43
R2 190099	22-3	4.42
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R2 190300	105-1	2.9
R2 190301	105-2	2.9
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R2 200002	74-63	12.11
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R2 220045	5-115	2.23
R2 220065	89-278	3.19
R2 220090	5-112	2.23
R2 220091	5-103	2.23
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R2 220093	5-107	2.23
R2 220094	5-111	2.23
R2 220095	5-102	2.23
R2 220096	5-104	2.23
R2 220097	5-106	2.23
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R2 240466	19-77	2.11
R2 240467	19-79	2.9
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R2 240501	104-14	2.17
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R2 250010	89-13	7.95
R2 250504	89-90	7.96
R2 250510	89-127	7.95
R2 250520	89-112	7.95
R2 250535	89-128	9.17
R2 250705	88-49	7.94
R2 250715	88-52	7.94
R2 250741	88-57	7.93
R2 250780	53-295	1.48
R2 250789	87-82	2.21
R2 250790	95-226	1.48
R2 250796	95-372	7.34
R2 260001	21-118	8.6
R2 260030	21-166	8.7
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R2 260133	20-60	8.2
R2 260135	20-65	8.2
R2 260350	21-103	8.10
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R2 270009	89-252	8.40
R2 270014	25-86	8.48
R2 270020	25-60	8.47
R2 270022	25-78	8.47
R2 270042	21-90	8.42
R2 270101	5-80	8.5
R2 270140	26-110	8.40
R2 270401	25-85	8.46
R2 270405	11-72	1.31
R2 300020	89-3	1.4
R2 300030	89-120	1.5
R2 300031	89-230	1.5
R2 300032	89-181	1.5
R2 300033	89-119	1.5
R2 300100	89-231	1.5
R2 300151	5-31	1.5
R2 300152	5-30	1.5
R2 300153	5-32	1.5
R2 300154	5-33	1.5
R2 300156	5-129	1.5
R2 300220	89-36	1.4
R2 300222	5-72	1.4
R2 301023	1-33	1.2
R2 301024	1-97	1.2
R2 301040	1-76	1.2
R2 310106	89-111	4.52
R2 310115	89-149	4.51
R2 310118	57-78	4.51
R2 310122	89-281	4.53
R2 310124	57-77	4.52
R2 310126	17-57	1.54
R2 310128	89-129	4.53
R2 310129	89-110	4.52
R2 310130	89-91	4.53
R2 310140	21-129	4.53
R2 310153	86-47	4.53
R2 310155	86-49	4.52
R2 310224	89-284	4.50
R2 310386	57-93	4.47
R2 310390	57-90	4.47
R2 310395	57-96	4.49
R2 310398	57-88	4.49

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R2 310401	57-92	4.49
R2 310435	57-86	4.52
R2 310460	48-437	4.72
R2 310464	48-442	4.80
R2 310473	48-443	4.72
R2 310492	48-373	4.61
R2 310505	89-116	8.11
R2 310508	89-191	8.11
R2 310535	89-145	8.11
R2 330001	89-83	1.16
R2 330006	89-84	1.16
R2 330010	89-206	1.16
R2 330051	8-77	1.16
R2 330057	7-45	1.15
R2 330061	8-78	1.15
R2 330064	8-16	1.14
R2 330200	7-47	1.15
R2 330264	6-40	1.19
R2 330500	11-45	1.16
R2 330607	8-85	1.33
R2 330612	8-71	1.33
R2 330613	8-71	1.33
R2 330614	8-99	1.33
R2 330616	86-91	1.33
R2 330617	86-92	1.33
R2 330618	86-87	1.33
R2 330619	86-88	1.34
R2 330622	86-50	1.33
R2 330624	86-84	1.33
R2 330625	86-84	1.33
R2 330626	86-85	1.33
R2 330630	86-89	1.33
R2 330633	86-93	1.33
R2 330634	11-72	1.31
R2 330635	11-83	1.32
R2 330636	11-79	1.32
R2 330637	11-80	1.32
R2 330640	11-81	1.32
R2 330648	8-88	1.33
R2 340211	18-102	4.52
R2 340280	89-208	1.24
R2 340311	8-56	1.22
R2 340315	8-59	1.23
R2 340317	8-74	1.24
R2 340371	86-41	1.23
R2 340373	86-42	1.24
R2 340376	86-34	1.22
R2 350120	16-13	1.49
R2 370000	17-51	1.53
R2 370002	17-52	1.53
R2 370004	17-50	1.53
R2 370006	17-53	1.53
R2 370008	17-54	1.53
R2 370012	17-49	1.53
R2 370015	17-72	1.51
R2 370040	17-35	1.53
R2 370042	17-36	1.53
R2 370057	17-75	1.52
R2 370060	17-40	4.30
R2 370061	17-58	1.52
R2 370070	17-61	1.51
R2 370071	17-64	1.51
R2 370072	17-65	1.51
R2 370073	17-43	1.51
R2 370074	17-44	1.51
R2 370330	17-45	1.50
R2 370334	17-74	1.50
R2 370335	17-60	1.50
R2 370342	17-45	1.50
R2 370405	49-137	4.57
R2 370550	18-104	1.8
R2 370556	18-107	1.6
R2 370557	18-106	1.6
R2 370570	18-187	1.9
R2 370571	18-189	1.9
R2 370572	18-188	1.9
R2 370573	18-190	1.9

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R2 370575	18-191	1.9
R2 370576	18-193	1.9
R2 380100	66-42	10.12
R2 380101	66-43	10.12
R2 380216	17-3	1.50
R2 380218	17-9	1.50
R2 380273	66-84	8.30
R2 400219	55-8	12.8
R2 500503	41-888	14.9