



www.violavtwin.com

(866) 244-2673



Your S&S Dealer Number

About Viola V-Twin®

S&S Cycle is extremely pleased to launch a selection of high quality service parts for Harley-Davidson® and other American v-twin motorcycles; Viola V-Twin®! Anyone familiar with S&S Cycle will recognize the name of the small village of Viola, Wisconsin where S&S has been located since 1969. Now, based on customer demand, and the fact that many of our dealers depend on service work for a growing portion of their livelihood, we are expanding our product offering to include service/repair parts for stock v-twin engines. It is our aim to simplify your life, and to help you grow your business by providing the quality service parts you need to service your customer's needs. Think of Viola V-Twin as your trusted business partner, here to save you time and money, making it easier to find the service parts you need every day. Don't turn away work because of parts availability!

Quality Does Not Cost More...It Pays More!

Quality service parts are getting harder to find, but your customers deserve nothing less. Besides, one service call-back due to a part problem can eat up any profit you made on a job! The aim of Viola V-Twin is to give your shop access to quality service parts that meet or exceed OEM specifications, so you can take in more work, and so that every job is successful and profitable.

Viola V-Twin is starting out as an offering of select S&S parts that can be used to support the needs of basic, day-to-day service work. So far, the concept has been well received in the market, but we're not stopping there. We realize that our product lineup needs to grow and evolve over time to position Viola V-Twin as the one-stop, first-call service parts solution that smart independent shops are looking for. S&S will manufacture many of the parts, but in order to fill out our product offering, we intend to seek out and source quality service parts from other manufacturers. These products will be made in the U.S. if at all possible, but either way all will be endorsed by S&S.

Help Us Help You!

If you are having trouble finding certain parts, why not let us know what you need? That will help us prioritize future additions to the Viola V-Twin product line. To suggest parts for the catalog, send us an email at sscust@sscycle.com, call your S&S customer service representative at 866-244-2673, or log on to the Viola V-Twin website at www.violavtwin.com and use the product suggestion form under the "Contact" menu.

ViolaVTwin.com

The entire catalog of quality service parts is available online. Download the entire catalog to your desktop for easy reference. Sign up for our notification service to keep up-to-date with our latest product offerings.

Check out the back inside cover for more detailed features of violavtwin.com!

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Homepage

Easily navigate to what you are looking for and sign up for our notification service to keep up-to-date with our latest product offerings.

Using the dealer locator, customers can quickly search for the nearest dealer.



Online Catalog

The entire catalog of quality service parts is available online in an interactive format. Or download the entire catalog to your device for easy reference. Use the search tool to find what you are looking for in an instant.



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TOP END REBUILD		Contains	VVT Part No.
Top End Rebuild 3.750" Bore Re-Ring Only 05-'15 bt			900-0636
contains	Gasket, Kit, Top End, w/Hat Style Valve Stem Seal	900-0572	
	Rings, 3.750" Bore Stock H-D Pistons	940-0022	
Top End Rebuild 3.8750" Bore Re-Ring Only 05-'15 bt			900-0637
contains	Gasket, Kit, Top End, w/Hat Style Valve Stem Seal	900-0573	
	Rings, 3.875" Bore Stock H-D Pistons	940-0023	
Top End Rebuild 3.875" Bore 07-Up			900-0638
contains	Gasket, Kit, Top End, w/Hat Style Valve Stem Seal	900-0573	
	Piston, Set, 3-7/8", Standard, -2cc Dome, w/Wristpin & Keepers, Wiseco, .927" Wp, 9:1 CR, 2007-'15 bt	920-0098	
Top End Rebuild 3.875" + .010" Bore 07-Up			900-0639
contains	Gasket, Kit, Top End, w/Hat Style Valve Stem Seal	900-0573	
	Piston, Set, 3-7/8", +.010", -2cc Dome, w/Wristpin & Keepers, Wiseco, .927" Wp, 9:1 CR, 2007-'15 bt	920-0099	
COMPLETE ENGINE OVERHAUL		Contains	VVT Part No.
Complete Engine Overhaul, 3.875" Bore 07-Up bt			310-0447
contains	Gasket, Kit, Engine, Complete, 3-7/8" Bore	310-0408	
	Piston, Set, 3-7/8", Standard, -2cc Dome, w/Wristpin & Keepers, Wiseco, .927" Wp, 9:1 CR, 2007-'15 bt	920-0098	
Complete Engine Overhaul, 3.875" Bore +.010" 07-Up bt			310-0448
contains	Gasket, Kit, Engine, Complete, 3-7/8" Bore	310-0408	
	Bearing, Inner, Needle, Cam (2)	31-4499	
	Piston, Set, 3-7/8", +.010", -2cc Dome, w/Wristpin & Keepers, Wiseco, .927" Wp, 9:1 CR, 2007-'15 bt	920-0099	
ENGINE CHANGE		Contains	VVT Part No.
Engine Change 07-Up Touring			310-0449
contains	Gasket, Exhaust, Tapered, Stainless Steel, '84-'15 bt/xl,	106-5029	
	Seal, Intake, Stock Heads, 84-Up bt, 86-Up xl (2)	16-0236	
	Gasket, Engine To Transmission	560-0094	
	Hardware Kit, Crankcase, Stator Bolts; 1999	31-0113	
	Gasket, Throttle Body, TBW, 08-Up Touring, 09-Up	106-2643	
Gasket, Kit, Primary, Rebuild, 2007-Up FL	560-0037		
Engine Change 07-Up Softail, 06-Up Dyna			310-0450
contains	Gasket, Exhaust, Tapered, Stainless Steel, '84-'15 bt/xl (2)	106-5029	
	Seal, Intake, Stock Heads, 84-Up bt, 86-Up xl (2)	16-0236	
	Gasket, Engine to Transmission	560-0094	
	Hardware Kit, Crankcase, Stator Bolts; 1999	31-0113	
	Gasket, Backplate, 1991-up xl/bt	106-6022	
	Gasket, Kit, Primary, Rebuild, 2006 Up Dyna, 2007-Up Softail	560-0038	
CAM SERVICE		Contains	VVT Part No.
Cam Service w/Stock Cams 07-Up, 06-Up Dyna			330-0304
contains	Camshaft Set, Chain Drive, 475C, 006 Dyna, 07-Up bt	330-0293	
	Installation Kit, Cam, Chain Drive, 06 Dyna, 07-Up bt	106-5929	
	Tappet, Set, Hydraulic, 99-Up bt, 00-Up xl	33-5350	
	Gasket, Exhaust, Tapered, Stainless Steel, '84-'15 bt/xl (2)	106-5029	
	Gasket, Set; Tappet Cover; 1999-Up bt	33-5303-2	
	Pushrod, Kit, Quicke, Hydraulic Tappets, w/ Keepers	106-6051	

Cam Service w/o Cams 07-Up, 06-Up Dyna			330-0305
contains	Installation Kit, Cam, Cd, 06 Dyna, 07-Up bt	106-5929	
	Tappet, Set, Hydraulic, 99-Up bt, 00-Up xl	33-5350	
	Gasket, Exhaust, Tapered, Stainless Steel, '84-'15 bt/xl (2)	106-5029	
	Gasket, Set; Tappet Cover; 1999-Up bt	33-5303-2	
	Pushrod, Kit, Quicke, Hydraulic Tappets, w/ Keepers	106-6051	
CAM CHAIN TENSIONER SERVICE		Contains	VVT Part No.
Cam Chain Tensioner Service '07-Up, '06-Up Dyna			330-0306
contains	Tensioner, Cam Chain, Primary, 2007-Up bt, '06-Up Dyna	330-0283	
	Tensioner, Cam Chain, Secondary, 2007-Up bt, '06-Up Dyna	330-0284	
	Gasket, Gearcover, Black, Paper, 99-Up bt	31-2032-5	
	Gasket, Exhaust, Tapered, Stainless Steel, '84-'15 bt/xl (2)	106-5029	
	Pushrod, Kit, Quicke, Hydraulic Tappets, w/ Keepers	106-6051	
LIFTER SERVICE		Contains	VVT Part No.
Lifter Service w/Pushrods 99-Up bt			330-0307
contains	Tappet, Set, Hydraulic, 99-Up bt, 00-Up xl	33-5350	
	Gasket, Set; Tappet Cover; 1999-Up bt	33-5303-2	
	Pushrod, Kit, Quicke, Hydraulic Tappets, w/ Keepers	106-6051	
Lifter Service w/Stock Pushrods 99-Up, bt			330-0308
contains	Tappet, Set, Hydraulic, 99-Up bt, 00-Up xl	33-5350	
	Gasket, Set; Tappet Cover; 1999-Up bt	33-5303-2	
	Gasket, Kit, Rockercover, Stock, 1999-Up bt	900-0534	
	O-ring, Kit, Pushrod Cover, 1984-up bt, 1986-2003 xl	93-4022	
REPLACE MAIN SEAL		Contains	VVT Part No.
Replace Main Seal 07-Up Touring			310-0451
contains	Gasket, Derby Cover, 5 Hole, (Replaces O-Ring)	560-0074	
	Gasket, Out, Primary Cover, 2007-Up FL	560-0047	
	Seal, Left, Main Bearing, 99-Up bt	31-4035	
Replace Main Seal 07-Up Softail, 06-Up Dyna			310-0452
contains	Gasket, Derby Cover, 5 Hole, (Replaces O-Ring)	560-0074	
	Gasket, Out, Primary Cover, 2006 Up Dyna, '07-Up	560-0049	
	Seal, Left, Main Bearing, 99-Up bt	31-4035	
REPLACE CHARGING SYSTEM		Contains	VVT Part No.
Replace Charging System 11-13 Touring			550-0425
contains	Gasket, Out, Primary Cover, 2007-Up FL	560-0047	
	Gasket, Derby Cover, 5 Hole, (Replaces O-Ring)	560-0074	
	Charging System, Complete, 2011-2013 FLH	550-0292	
Replace Charging System 09-10 Touring W/O Oil Cooler			550-0425
contains	Gasket, Out, Primary Cover, 2007-Up FL	560-0047	
	Gasket, Derby Cover, 5 Hole, (Replaces O-Ring)	560-0074	
	Charging System, Complete, w/o Oil Cooler	550-0290	
Replace Charging System 09-10 w/Oil Cooler			550-0427
contains	Gasket, Out, Primary Cover, 2007-Up FL	560-0047	
	Gasket, Derby Cover, 5 Hole, (Replaces O-Ring)	560-0074	
	Charging System, Complete, w/Oil Cooler	550-0291	
Replace Charging System 07-08 Touring			550-0428
contains	Gasket, Out, Primary Cover, 2007-Up FL	560-0047	
	Gasket, Derby Cover, 5 Hole, (Replaces O-Ring)	560-0074	
	Charging System, Complete, 2007-2008 FLH	550-0289	

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Replace Charging System Dyna 12-13		550-0429
contains	Gasket,Out,Primary Cover,2006 Up Dyna,'07-Up	560-0049
	Gasket,Derby Cover,5 Hole,(Replaces O-Ring)	560-0074
	Charging System, Complete, 2008-2011 Dyna	550-0294
Replace Charging System Dyna 08-11		550-0430
contains	Gasket,Out,Primary Cover,2006 Up Dyna,'07-Up Softail	560-0049
	Gasket,Derby Cover,5 Hole,(Replaces O-Ring)	560-0074
	Charging System, Complete, 2012-2013 Dyna	550-0296
Replace Charging System Dyna 06-07		550-0431
contains	Gasket,Out,Primary Cover,2006 Up Dyna,'07-Up Softail	560-0049
	Gasket,Derby Cover,5 Hole,(Replaces O-Ring)	560-0074
	Charging System, Complete, 2006-2007 Dyna	550-0285
Replace Charging System Softail 12-13		550-0432
contains	Gasket,Out,Primary Cover,2006 Up Dyna,'07-Up Softail	560-0049
	Gasket,Derby Cover,5 Hole,(Replaces O-Ring)	560-0074
	Charging System, Complete, 2012-2013 Softail	550-0297
Replace Charging System Softail 08-11		550-0433
contains	Gasket,Out,Primary Cover,2006 Up Dyna,'07-Up Softail	560-0049
	Gasket,Derby Cover,5 Hole,(Replaces O-Ring)	560-0074
	Charging System, Complete, 2008-2011 Softail	550-0295
Replace Charging System Softail 07		550-0434
contains	Gasket,Out,Primary Cover,2006 Up Dyna,'07-Up Softail	560-0049
	Gasket,Derby Cover,5 Hole,(Replaces O-Ring)	560-0074
	Charging System, Complete, 2007 Softail	550-0286
REPLACE STARTER Contains VVT Part No.		
Replace Starter, Black Touring 07-Up		550-0435
contains	Starter, 1.4Kw,Black,2006-Up Dyna,2007	550-0273
	Gasket,Out,Primary Cover,2007-Up FL	560-0047
	Gasket,Derby Cover,5 Hole,(Replaces O-Ring)	560-0074
	Shaft, Starter Motor, Oil Seal, '06-Up Dyna, '07-Up bt	550-0387
Replace Starter, Chrome, Touring 07-Up		550-0436
contains	Starter, 1.4Kw,Chrome,2006-Up Dyna,2007 -Up bt	550-0274
	Gasket,Out,Primary Cover,2007-Up FL	560-0047
	Gasket,Derby Cover,5 Hole,(Replaces O-Ring)	560-0074
	Oil Seal, Starter Motor Shaft, '06-Up Dyna, 07-up bt	550-0387
Replace Starter Black, 07-Up Softail, 06-Up Dyna		550-0437
contains	Starter, 1.4Kw,Black,2006-Up Dyna,2007-Up bt	550-0273
	Gasket,Out,Primary Cover,2006 Up Dyna,'07-Up Softail	560-0049
	Gasket,Derby Cover,5 Hole,(Replaces O-Ring)	560-0074
	Gasket,Exhaust,Tapered,Stainless Steel,'84-'15 bt/xl (2)	106-5029
Oil Seal, Starter Motor Shaft, '06-Up Dyna, 07-up bt	550-0387	
	Replace Starter Chrome, 07-Up Softail, 06-Up Dyna	
contains	Starter,Mtr,1.4Kw,Chrome,2006-Up Dyna,'07-Up bt	550-0274
	Gasket,Out,Primary Cover,2006 Up Dyna,'07-Up Softail	560-0049
	Gasket,Exhaust,Tapered,Stainless Steel,'84-'15 bt/xl (2)	106-5029
	Gasket,Derby Cover,5 Hole,(Replaces O-Ring)	560-0074
Oil Seal, Starter Motor Shaft, '06-Up Dyna, 07-up bt	550-0387	
	Replace Starter Clutch Touring 07-Up	
contains	Starter Clutch, w/Bearing, 2009-Up bt	550-0373
	Gasket,Out,Primary Cover,2007-Up FL	560-0047
	Gasket,Derby Cover,5 Hole,(Replaces O-Ring)	560-0074
	Oil Seal, Starter Motor Shaft, '06-Up Dyna, 07-up bt	550-0387

Replace Starter Clutch Dyna 06-Up, Softail 07-Up		550-0440
contains	Starter Clutch, w/Bearing, 2007-Up bt	550-0373
	Gasket,Out,Primary Cover,2006 Up Dyna,'07-Up Softail	560-0049
	Gasket,Derby Cover,5 Hole,(Replaces O-Ring)	560-0074
	Oil Seal, Starter Motor Shaft, '06-Up Dyna, 07-up bt	550-0387
CLUTCH SERVICE Contains VVT Part No.		
Clutch Service Touring 07-Up		560-0149
contains	Gasket,Out,Primary Cover,2007-Up FL	560-0047
	Gasket,Derby Cover,5 Hole,(Replaces O-Ring)	560-0074
	Plate, Set, Friction, 1998-Up bt	560-0128
Plate, Set, Clutch Steels, 1998-Up bt	560-0129	
	Clutch Service Softail 07-Up, Dyna 06-Up	
contains	Gasket,Out,Primary Cover,2006 Up Dyna,'07-U	560-0049
	Gasket,Derby Cover,5 Hole,(Replaces O-Ring)	560-0074
	Plate, Set, Friction, 1998-Up bt	560-0128
	Plate, Set, Clutch Steels, 1998-Up bt	560-0129

GASKET KITS

Description	OEM Part No.	VVT Part No.
Gasket Kit, Complete, 3.750" Bore, 2007-Up Softail	17053-99B	310-0405
Gasket Kit, Complete, 3.875" Bore, 2007-Up Softail		310-0406
Gasket Kit, Complete, 3.750" Bore, 2007-Up FL	17053-99XX	310-0407
Gasket Kit, Complete, 3.875" Bore, 2007-Up FL		310-0408
Gasket Kit, Complete, 3.750" Bore, 2006-Up Dyna		310-0409
Gasket Kit, Complete, 3.875" Bore, 2006-Up Dyna		310-0410
Gasket Kit, Complete, 3.750" Bore, 1999-'06 Softail, 1999-'05 Dyna		310-0411
Gasket Kit, Complete, 3.750" Bore, 1999-'06 FL		310-0412
Gasket Kit, Top End, 3.750" Bore w/Hat Style Valve Stem Seal 2005-Up bt	17045-99C	900-0572
Gasket Kit, Top End, 3.875" Bore w/Hat Style Valve Stem Seal 2005-Up bt		900-0573

LUBRICANTS

Description	VVT Part No.
S&S 20w50 Premium Synthetic Engine Oil	310-0285
S&S 20w50 Heavy Duty Engine Oil	310-0287
S&S Petroleum 25w60 Engine Oil	310-0289
S&S 75w140 Premium Synthetic Transmission Oil	310-0292
S&S 85w140 Heavy Duty Transmission Oil	310-0291
S&S 85w Extreme Duty Primary Oil	310-0290

OIL FILTERS

Description	OEM Part No.	VVT Part No.
1999-2015 Twin Cam Oil Filter black	63731-99A	31-4103
1999-2015 Twin Cam Oil Filter black 12 pack		310-0241
1999-2015 Twin Cam Oil Filter chrome	63798-99A	31-4104
1999-2015 Twin Cam Oil Filter chrome 12 pack		310-0242

Note: VVT parts cross referenced to stock OEM parts are functionally identical, but may differ slightly in appearance. Line drawings are a typical representation and may not be an exact match. Please confirm the required stock part number for intended application before ordering. All reference to H-D part numbers are for identification purposes only. We are in no way implying that any of the VVT products are original equipment parts or that they are equivalent to the corresponding H-D part number shown.

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Parts for
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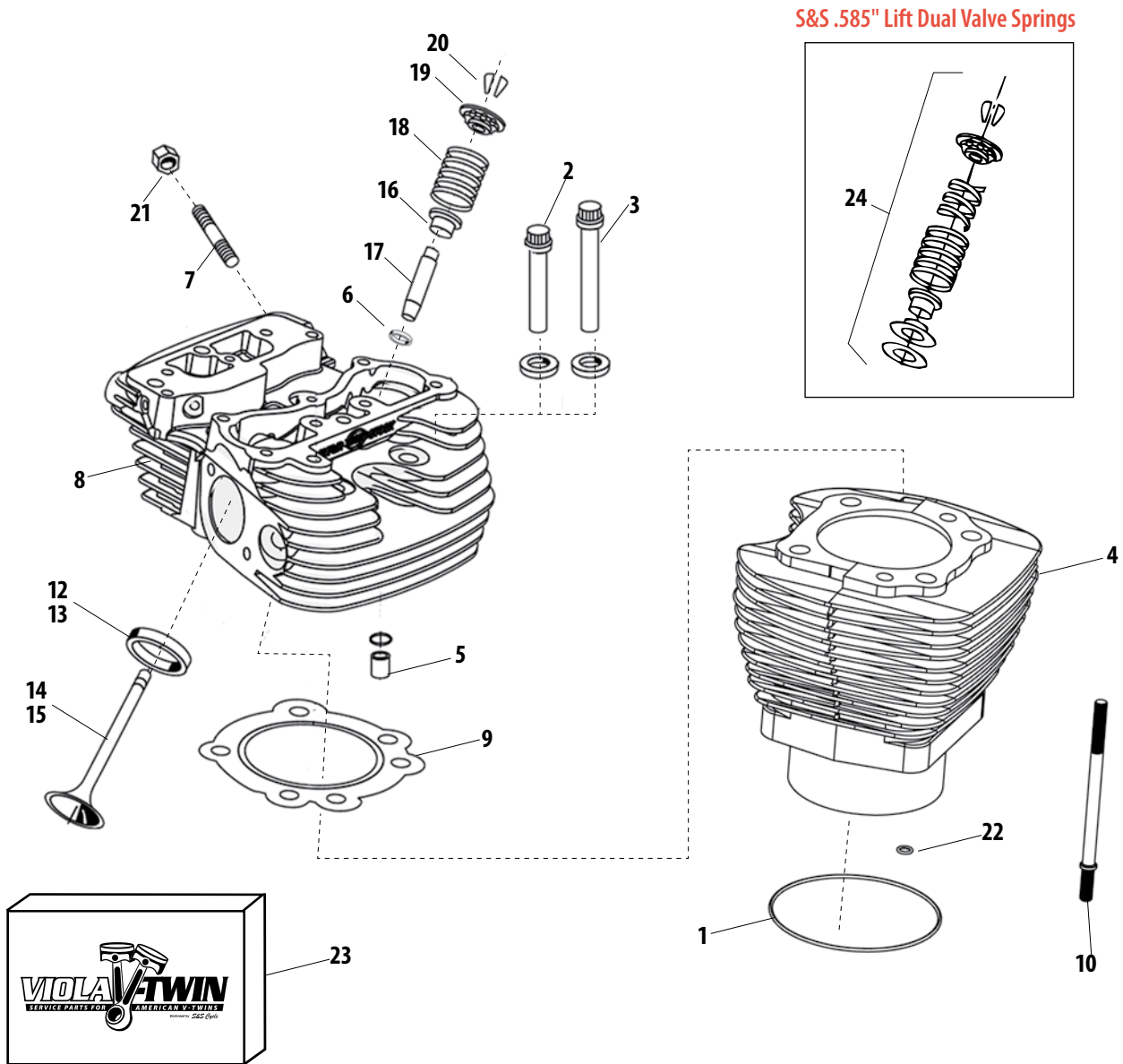
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#	Description	H-D Part No.	VVT Part No.
1	O-ring,(-155),3.987" ID x 4.193" OD,Viton (2)	11256	50-8048
2	Head Bolt,w/ Washer,12 pt,3/8-16 x 3.384" x .950" TD (4) See chart for complete Head Bolt Kit	16478-85A	—
3	Head Bolt,w/ Washer,12 pt,3/8-16 x 2.170" x .950" TD (4) See chart for complete Head Bolt Kit	16480-92A	—
4	Cylinder Assembly, Front or Rear, w/piston, rings, piston pin, & retaining rings, 3.750" Bore (silver) for 2006 Dyna models (2)	16525-99	—
	Cylinder Assembly, Front or Rear, w/piston, rings, piston pin, & retaining rings, 3.750" Bore (black) for 2006 Dyna models (2)	16526-99	—
	Cylinder Assembly, Front or Rear, w/piston, rings, piston pin, & retaining rings, 3.750" Bore (silver) for Twin Cam 96™ models (2)	17459-07	—
	Cylinder Assembly, Front or Rear, w/piston, rings, piston pin, & retaining rings, 3.750" Bore (black) for Twin Cam 96™ models (2)	17458-07	—
	Cylinder Assembly, Front or Rear, w/piston, rings, piston pin, & retaining rings, Cylinder, Kit, 3-7/8" Bore, 4.937", 4" Stroke, 92-1200,WBlack, 1999-2006 bt, 11 Fin For Twin Cam 103™ models See chart for compatible Cylinder Set	17460-07A	—
5	Pin,Dowel,.437" x .610",Steel (4) <i>each</i>	16595-99A	50-8177
	Pin,Dowel,1999-up bt,4 Pack		50-8177-4
6	Collar Guide, exhaust only (2)	16606-05	—
7	Stud, Exhaust Port, 5/16-18, 5/16-24 x 1.910", Zinc, Steel <i>each</i>	16715-83	50-0493
	Stud, Exhaust Port, 5/16-18, 5/16-24 x 1.910", Zinc, Steel 5 Pack		50-1028
8	Cylinder Head, front w/guides, seats, & collars (silver)	17106-06	—
	Cylinder Head, rear w/guides, seats, & collars (silver)	17112-06	—
	Cylinder Head, front w/guides, seats, & collars (black)	17178-06	—
	Cylinder Head, rear w/guides, seats, & collars (black)	17179-06	—
	Cylinder Head, front, w/guides, & seats (black)	17721-08	—
	Cylinder Head, front, w/guides, & seats (silver)	17724-08	—
	Cylinder Head, rear, w/guides, & seats (silver)	17181-06	—
9	Gasket,Head,Stock Pattern,.043",3-3/4",Graphite,304 SS,1999-up bt (2) <i>each</i>	16775-99B	93-1045-5
	Gasket,Head,Stock Pattern,.045",3.940",Layer Steel,1999-up bt See chart for compatible Head Gasket	16787-99A	—
10	Stud,Cylinder Base,3/8-16 UNC x 6.070",Black,Steel <i>each</i>	16715-83	310-0437
	Stud,Cylinder Base,3/8-16 UNC x 6.070",Black,Steel,1999-up bt,8 Pack		310-0438
12	Insert, exhaust valve seat (2)	18011-86	—
	Insert, exhaust valve seat - 0.005 O.S. (2)	18124-83A	—
13	Insert, intake valve seat (2)	18020-83	—
	Insert, intake valve seat - 0.005 O.S. (2)	18134-83A	—
14	Intake Valve, Blue Collar, 7mm (2)	18074-05A	900-0752
15	Exhaust Valve, 7mm (2)	18085-05B	900-0753
16	Valve Stem Oil Seal, Tophat Style 2005-up bt 25 Pack See chart for additional options	18094-02	900-0590
	Valve Stem Oil Seal, Tophat Style 2005-up bt 4 Pack See chart for additional options	16465-06	900-0625
17	Valve Guide, intake & exhaust (4)	16465-06	900-0782
	Valve Guide, intake/ exhaust, 05-up bt +.001"	—	900-0786
	Valve Guide, intake/ exhaust, 05-up bt +.002"	—	900-0787
	Valve Guide, intake/ exhaust, 05-up bt +.010"	—	900-0788
18	Valve Spring (4) See chart #24 for complete Valve Spring kit	18245-02	—
19	Collar, Valve Spring (4) See chart #24 for complete Valve Spring kit	18258-02	—
20	Retainer, Valve Collar (8) See chart #24 for complete Valve Spring kit	18260-02	—
21	Nut,HSFH,5/16-24 UNF-2B x .283",Zinc,Steel <i>each</i>	7593	50-5025-5
	Nut,HSFH,5/16-24 UNF-2B x .283",Zinc,Steel,2 Pack		50-5025-2
	Nut,HSFH,5/16-24 UNF-2B x .283",Zinc,Steel,5 Pack		50-1001
22	O-ring,(-013),.437" ID x .565" OD,Viton <i>each</i>	11105, 11273	50-8008
	O-ring,Oil Return,(-013),.437" ID x .565" OD,Viton,10 Pack		50-8078
23	Gasket Kit, Top End, 3.750" bore w/hat style valve stem seal 2005-up bt	17045-99C	900-0572
	Gasket Kit, Top End, 3.875" bore w/hat style valve stem seal 2005-up bt		900-0573
	Gasket Kit, Complete, 3.750" bore, 2007-up Softail	17053-99B	310-0405
	Gasket Kit, Complete, 3.875" bore, 2007-up Softail	—	310-0406
	Gasket Kit, Complete, 3.750" bore, 2007-up FL	17053-99XX	310-0407
	Gasket Kit, Complete, 3.875" bore, 2007-up FL	—	310-0408
	Gasket Kit, Complete, 3.750" bore, 2006-up Dyna	—	310-0409
	Gasket Kit, Complete, 3.875" bore, 2006-up Dyna	—	310-0410

Harley-Davidson® Twin Cam 96™ & 103™ Models



S&S .585" Lift Dual Valve Springs

Parts for
Twin Cam 96™/103™
2007-2015

Parts for
Twin Cam 88®
1999-2006

Parts for
Evolution®
1984-1999

Parts for
Sportster®
1986-2015

Parts for
Sportster®
1955-1985

Parts for
Shovelheads

Parts for
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Knuckleheads

Parts for
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NOT DIRECT SERVICE PARTS (SOLD AS ASSEMBLIES) Note: These products are compatible services as assemblies.

#	Description	VVT Part No.
2, 3	Head Bolt, Kit, Stock Heads, 12 pt, 1999-2012 bt (bolts and washers for two cylinder heads)	93-3014
	Head Bolt, w/ Washer, 12 pt, 3/8-16 x 3.384" x .950" TD	93-3030
	Head Bolt, w/ Washer, 12 pt, 3/8-16 x 2.170" x .950" TD	93-3031
4	Cylinder, Set, 3-7/8" Bore, 4.937", Silver, 1999-up bt, 11 Fin for 95" or 103"	910-0207
	Cylinder, Set, 3-7/8" Bore, 4.937", WBlack, 1999-up bt, 11 Fin for 95" or 103"	910-0208
9	Gasket, Head, Stock Pattern, .045", 3.940", Layer Steel, 1999-up bt each	106-3714
	Gasket, Head, Stock Pattern, .045", 3.927", '99-up bt, 10 Pack	900-0218
16	Seal, Valve Guide, 2005-2012 bt** (Does not have or work with integral bottom collar) for .562" O.D. guides, Viton each	106-5688
24	Spring, Kit, Valve, .585", Steel, (7mm valve stem), 2005-2012 bt	900-0594

*Not legal for sale or use on CA or EPA pollution controlled vehicles.

Note: VVT parts cross referenced to stock OEM parts are functionally identical, but may differ slightly in appearance. Line drawings are a typical representation and may not be an exact match. Please confirm the required stock part number for intended application before ordering. All reference to H-D® part numbers are for identification purposes only. We are in no way implying that any of the VVT products are original equipment parts or that they are equivalent to the corresponding H-D part number shown.

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ROCKER ARM ASSEMBLY AND PUSHRODS FOR 2007-2015 HARLEY-DAVIDSON BIG TWINS AND 2006 DYNA

Parts for
Twin Cam 96"/103"
2007-2015

Parts for
Twin Cam 88"
1999-2006

Parts for
Evolution®
1984-1999

Parts for
Sportster®
1986-2015

Parts for
Sportster®
1955-1985

Parts for
Shovelheads

Parts for
Panheads

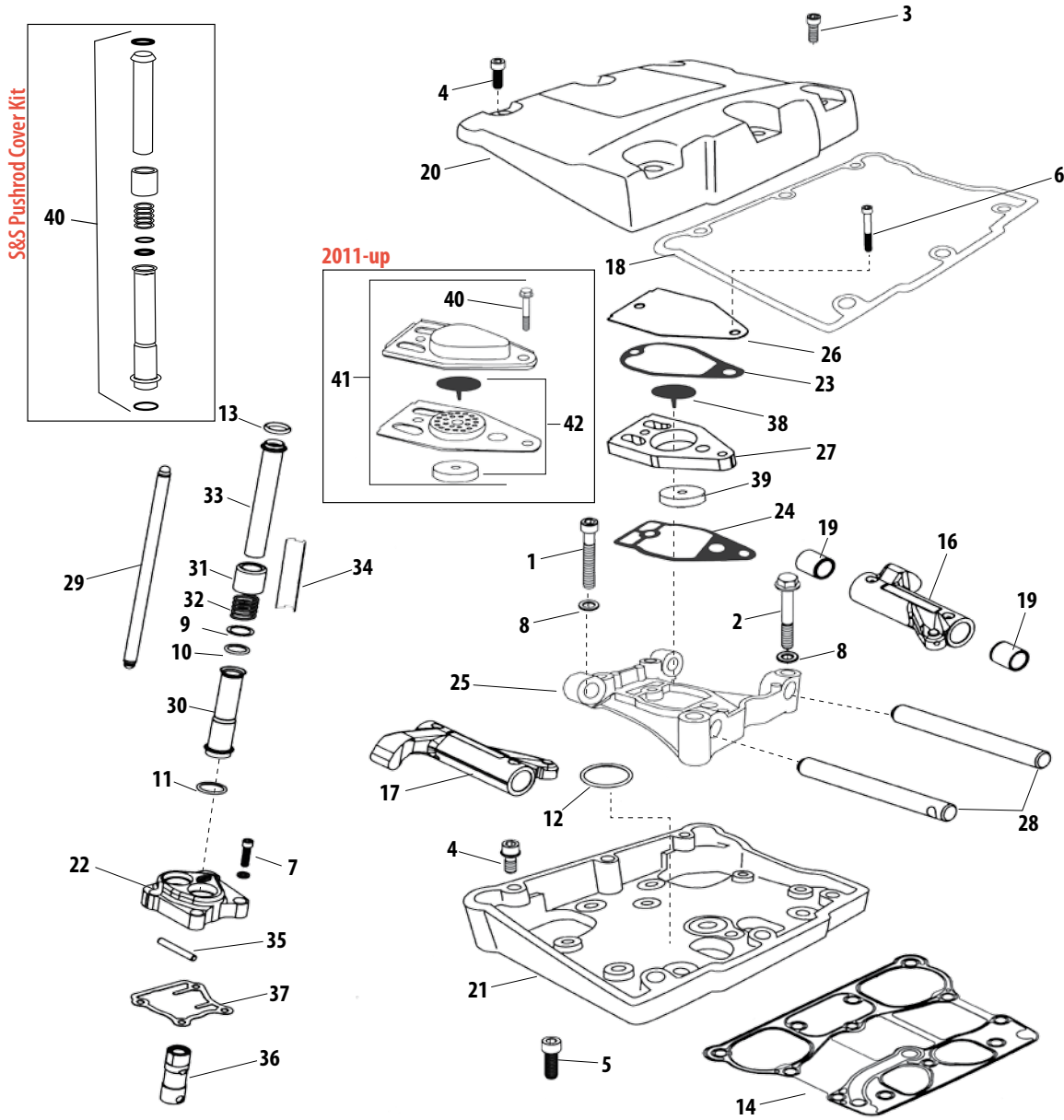
Parts for
Knuckleheads

Parts for
Flatheads

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#	Description	H-D Part No.	VVT Part No.
1	Bolt, 5/16-18 X 2-3/4 hex. hd. (Grade 8 steel) (4)	3500	—
2	Screw, HHC, Flanged, 5/16-18 x 2-1/2", Zinc, Steel (4)	3501	50-0123
3	Screw, 5/16-18 X 1.0 hex hd., w/lockpatch (6)	3692A	500-0318
4	Screw, 5/16-18 X 1-3/4 hex hd., w/lockpatch (10)	3693A	500-0319
5	Screw, 5/16-18 X 1-1/4 hex flange w/lockpatch (8)	3736A	—
6	Screw, 1/4-20 X 2-1/4 hex head flange (grade 8) (4)	3746	—
7	Screw, SHCS, w/ Flat Washer, 1/4-20 x 1", Zinc, ASTM A574-92A <i>each</i>	4741A	50-0092-S
	Screw, SHCS, w/ Flat Washer, 1/4-20 x 1", Zinc, ASTM A574-92A, 4 Pack		50-0092P
8	Washer, Flat, .344" x .688" x .065", Zinc, Steel (8)	6320, 70907-07, 6016, 6702	50-7034
9	Washer, Flat, .715" x .950" x .031", Steel (4) <i>each</i>	6762B	50-7131
10	O-ring, Middle, pushrod cover, (-115), .687" ID x .875" OD, Black, Nitrile (4) <i>each</i> See chart for complete Pushrod O-ring Kit	11132A	50-8038
11	O-ring, Bottom, pushrod cover, (-118), .875" ID x 1.062" OD, Viton (4) <i>each</i> See chart for complete Pushrod O-ring Kit	11145A	50-8037
12	O-ring, (-114), .625" ID x .812" OD, Black, Viton (2) <i>each</i> Also available in the Gasket Kit, see chart	11270	50-8033
13	O-ring, Top, Pushrod Cover, (-209), .687" ID x .937" OD, Viton <i>each</i> See chart for complete Pushrod O-ring	11293, 11157, 11101, 11190	50-8039
14	Gasket, rocker housing (2) Also available in the Gasket Kit, see chart	16719-99B	90-4071-S
16	Rocker Arm, Assembly, RE/FI, Non-Roller, 1.625:1 Ratio, 8620, 1984-up bt, 1986-2003 xl (2)	17360-83A	900-4119RA
17	Rocker Arm, Assembly, FE/RI, Non-Roller, 1.625:1 Ratio, 8620, 1984-up bt, 1986-2003 xl (2)	17375-83A	900-4119FA
18	Gasket, Rocker Cover, Steel, 1999-up bt (2) <i>each</i> Also available in the Gasket Kit, see chart	17386-99A	90-4096-S
	Gasket, Rocker Cover, Steel, 1999-up bt (2) 2 Pack Also available in the Gasket Kit, see chart		900-0438
19	Bushing, rocker arm (8)	17429-91, 17428-57	900-0784
20	Rocker Cover, chrome (2) See chart for complete Rocker Box Kit	17572-99	—
	Rocker Cover, polished (2) See chart for complete Rocker Box Kit	17575-99	—
21	Rocker Housing, chrome (2) See chart for complete Rocker Box Kit	17573-99	—
	Rocker Housing, polished (2) See chart for complete Rocker Box Kit	17574-99	—
22	Lifter Cover, Front, polished See chart for complete Tappet Cover Set	17576-99	—
	Lifter Cover, Rear, polished See chart for complete Tappet Cover Set	17577-99	—
	Lifter Cover, Front, chrome See chart for complete Tappet Cover Set	17964-99	—
	Lifter Cover, Rear, chrome See chart for complete Tappet Cover Set	17966-99	—
23	Gasket, Breather Cover, Stock Pattern, Paper, 1999-2010 bt (2) Also available in the Gasket Kit, see chart	17591-99, 17162-03, 17592-99	90-4077
24	Gasket, Breather Baffle, Stock Pattern, Paper, 1999-2010 bt (2) Also available in the Gasket Kit, see chart	17162-03, 17592-99	90-4078
25	Support, rocker arm (2) See chart for complete Rocker Box Kit	17594-99	—
26	Cover, breather (2) 2007-'10 bt	17595-99	—
27	Baffle, breather (2) 2007-'10 bt	17596-99	—
28	Shaft, Rocker Arm, 1984-up bt (4)	17611-83B	90-4006
29	Pushrod, exhaust - 10.536" long (black oxide finish) (2) See chart for complete Pushrod Set	17922-99	—
	Pushrod, intake - 10.418" long (plain finish) (2) See chart for complete Pushrod Set	17923-99	—
30	Cover, pushrod - lower (4) See chart for complete Pushrod Cover Kit	17939-99	—
31	Cap, Pushrod Cover, 1936-up bt, 1957-'90 xl (4)	17945-36B	93-4017
32	Spring, Pushrod Cover Cap, .080" Wire, .730" x .890" x .925", Steel, 1936-up bt, 1957-'90 xl (4)	17947-36	93-4018
33	Cover, pushrod - upper (4) See chart for complete Pushrod Cover Kit	17948-99	—
34	Retainer, spring cap (4)	17968-99	—
35	Pin, Dowel, .250" x 1.750", Alloy (2) <i>each</i>	18535-99	50-8195-S
	Pin, Dowel, 1999-up bt, 2 Pack 2 Pack		50-8195
36	Tappet, Set, Hydraulic, 1999-up bt, 2000-up xl (4) S&S P/N is for a set of four tappets	18538-99A, 18538-99B, 18538-99C	33-5350
37	Gasket, Tappet Cover, 1999-up bt (2) <i>each</i>	18635-99B	33-5303-S
	Gasket, Tappet Cover, 1999-up bt (2) 2 Pack		33-5303-2
38	Seal, Umbrella Valve Cover, 1999-2013 bt (2)	26858-99	900-0495
39	Filter, Breather, Stock Rocker Box (2)	63815-99	900-0496
40	Bolt, 2011-up bt	4400	—
41	Breather Assembly, 2011-up bt	17025-03A	—
42	Breather, Baffle Assembly, w/Breather Valve & Filter	26500002	—

Harley-Davidson® Twin Cam 96™ & 103™ Models



NOT DIRECT SERVICE PARTS (SOLD AS ASSEMBLIES) Note: These products are compatible services as assemblies.

#	Description	VVT Part No.
10, 11, 13	O-ring,Kit,Pushrod Cover,1984-'99 bt, 1986-2003 xl	93-4022
12, 14, 18, 23, 24	Gasket, Kit, Rocker Cover, 1999-2010 bt (includes gaskets for 2 rocker covers)	900-0534
20, 21, 25	Rocker Box, Kit, Chrome, Die Cast, 1999-up bt	90-4110
22	Tappet Cover, Set, Stock Style, 1999-up bt, Polished Billet, includes gaskets and hardware	33-5601
	Tappet Cover, Set, Stock Style, 1999-up bt, Chrome Billet, includes gaskets and hardware	106-3883
29	Pushrod Set, Non-Adjustable, Steel,1999-up BT	930-0046
	Pushrod, Set, Stock, Steel, 1999-2015 bt, Standard Adjustable* (*requires Pushrod Covers #106-1340 and retaining clips #93-4100)	93-5096
	Pushrod, Set, Stock, Steel, 1999-2015 bt, Quickee Adjustable* (*requires Pushrod Covers #106-1340 and retaining clips #93-4100)	93-5122
	Pushrod, Set, Stock, Steel, 1999-2015 bt, Timesaver Adjustable	930-0053
30, 33, 40	Pushrod Cover, Kit, Chrome, 1999-2015 bt* (*requires Cover Keeper Set #93-4100 to complete installation)	106-1340
34	Cover Keeper, Set, Pushrod, 2.500", Chrome (Set of 4) NOTE: stock length is 1.750"	93-4100

Note: VVT parts cross referenced to stock OEM parts are functionally identical, but may differ slightly in appearance. Line drawings are a typical representation and may not be an exact match. Please confirm the required stock part number for intended application before ordering. All reference to H-D part numbers are for identification purposes only. We are in no way implying that any of the VVT products are original equipment parts or that they are equivalent to the corresponding H-D part number shown.

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Parts for
Twin Cam 96™/103™
2007-2015

Parts for
Twin Cam 88®
1999-2006

Parts for
Evolution®
1984-1999

Parts for
Sportster®
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Parts for
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PISTON AND FLYWHEEL ASSEMBLY FOR 2007-2015 HARLEY-DAVIDSON BIG TWINS AND 2006 DYNA

Parts for
Twin Cam 96™/103™
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Parts for
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1999-2006

Parts for
Evolution®
1984-1999

Parts for
Sportster®
1986-2015

Parts for
Sportster®
1955-1985

Parts for
Shovelheads

Parts for
Panheads

Parts for
Knuckleheads

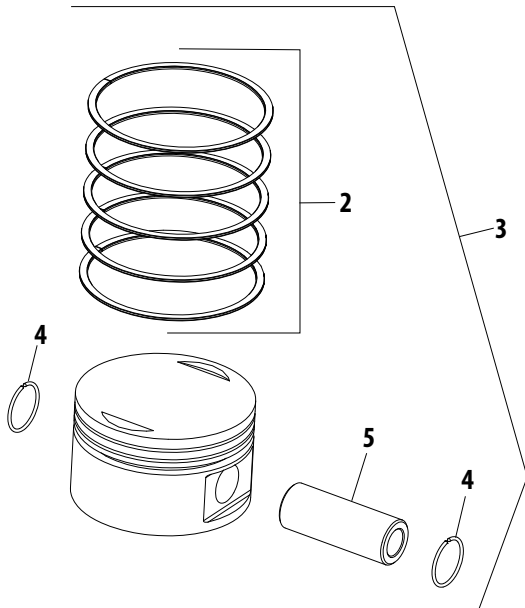
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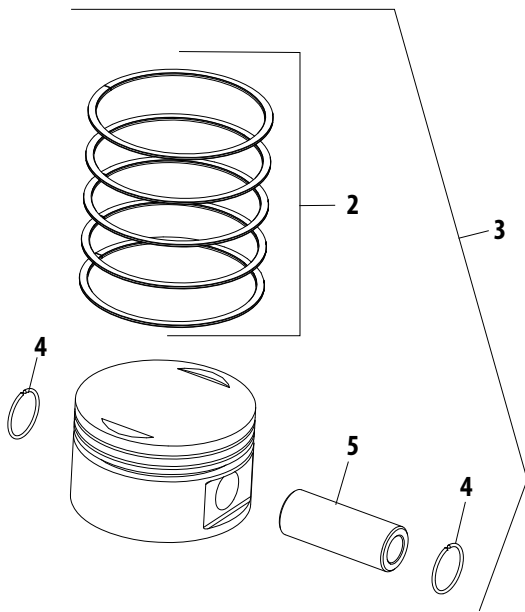
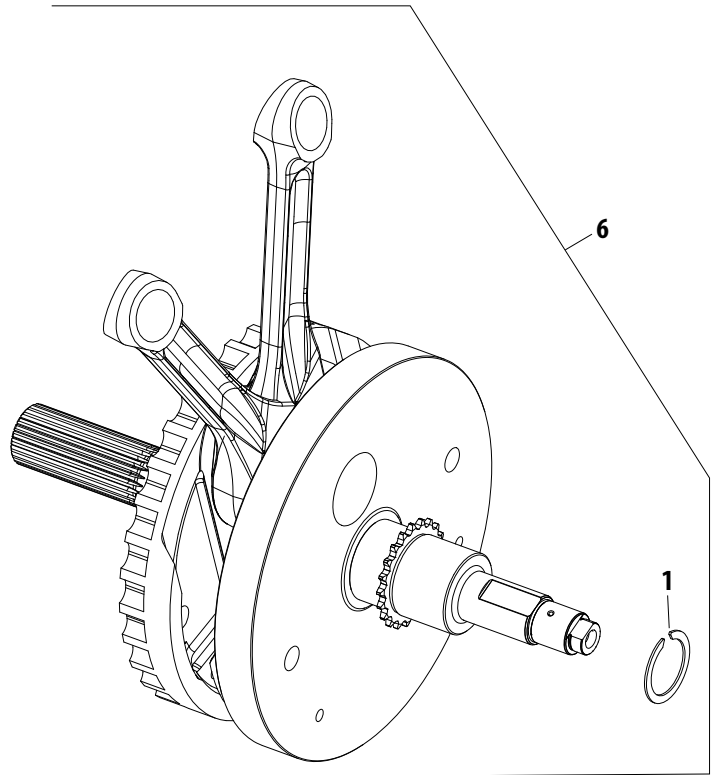
#	Description	H-D Part No.	VVT Part No.
1	Retaining Ring, External, Pinion Bearing, 1.160" x 1.480" x .046", Carbon Steel, SAE 1060-1090 <i>each</i>	11177A	50-8057
	Retaining Ring, External, Pinion Bearing, 1.160" x 1.480" x .046", Carbon Steel, SAE 1060-1090 <i>5 Pack</i>		50-1004
2	Piston Ring Set, standard (2) for Twin Cam 96™ models	21949-07, 21936-99	940-0022
	Piston Ring Set, standard (2) for Twin Cam 103™ models	21918-99	940-0023
	Piston Ring Set, 0.005" O.S. (2) for Twin Cam 96™ models	21950-07	—
	Piston Ring Set, 0.005" O.S. (2) for Twin Cam 103™ models	21919-99	—
	Piston Ring Set, 0.010" O.S. (2) for Twin Cam 96™ models	21955-07	—
	Piston Ring Set, 0.010" O.S. (2) for Twin Cam 103™ models	21945-99	—
3	Piston & Rings Assembly, w/piston pin & lock rings - std. (2) 3.750" bore, Twin Cam 96™ models	21959-07	—
	Piston & Rings Assembly, w/piston pin & lock rings - std. (2) 3.875" bore, Twin Cam 103™ models <i>See chart for piston options</i>	21962-07	—
	Piston & Rings Assembly w/piston pin & lock rings - 0.005" O.S. (2) 3.750" bore, Twin Cam 96™ models	21960-07	—
	Piston & Rings Assembly w/piston pin & lock rings - 0.005" O.S. (2) 3.875" bore, Twin Cam 103™ models <i>See chart for piston options</i>	21963-07	—
	Piston & Rings Assembly w/piston pin & lock rings - 0.010" O.S. (2) 3.750" bore, Twin Cam 96™ models	21961-07	—
	Piston & Rings Assembly w/piston pin & lock rings - 0.010" O.S. (2) 3.875" bore, Twin Cam 103™ models <i>See chart for piston options</i>	21964-07	—
4	Wristpin Keeper, C-Clip, .927", Spring Wire Steel (4) <i>each</i>	22097-99	94-9278-5
	Wristpin Keeper, C-Clip, .927", Spring Wire Steel (4) <i>2 Pack</i>		94-9278-2
	Wristpin Keeper, C-Clip, .927", Spring Wire Steel, <i>4 Pack</i>		106-2304
5	Piston Pin (2)	22131-05	—
6	Flywheel, Assembly, 4-3/8" Stroke, 8-1/4" Diameter, W/Tapered WP Ends, Balanced, 2007-up bt <i>See chart for complete Flywheel Assembly</i>	23729-07A	—
	Flywheel, Assembly, 4" Stroke, 8-1/4" Diameter, Balanced, 2006 Dyna, 2007-up bt <i>See chart for complete Flywheel Assembly</i>	23955-06	—
	Flywheel, Assembly, 4-3/8" Stroke, 8-1/4" Diameter, W/Tapered WP Ends, Balanced, 2007-up bt w/ Balancer Softail models <i>See chart for complete Flywheel Assembly</i>	23912-07A	—

NOT DIRECT SERVICE PARTS (SOLD AS ASSEMBLIES) <i>Note: These products are compatible services as assemblies.</i>			
#	Description		VVT Part No.
2	Ring, Set, Piston, 3-7/8", Wiseco, Standard, 1999-up bt, 1 Pack		940-0024
	Ring, Set, Piston, 3-7/8", Wiseco, +.010", 1999-up bt, 1 Pack		940-0026
3	Piston, Set, 3-7/8", Standard, -2cc Dome, w/ Wristpin & Keepers, Wiseco, .927" WP, 9:1 Compression, 2007-'14 bt		920-0098
	Piston, Set, 3-7/8", +.010", -2cc Dome, w/ Wristpin & Keepers, Wiseco, .927" WP, 9:1 Compression, 2007-'14 bt		920-0099
6	Flywheel, Assembly, 4-3/8" Stroke, SF3, Tapered Wristpin, 7.659" Rod, w/ Sprocket Bearing Race, 1035 TPW, 2007-up bt Bt		320-0352
	Flywheel, Assembly, 4" Stroke, SF3, Full Width Wristpin, 7.659" Rod, w/ Sprocket Bearing Race, 1230 tpw, 2007-up bt		320-0392
	Flywheel, Assembly, 4-3/8" Stroke, SF3, Tapered Wristpin, 7.659" Rod, w/ Sprocket Bearing Race, 1035 tpw, 2007-up bt Bt (B Style), Softail Models		320-0358

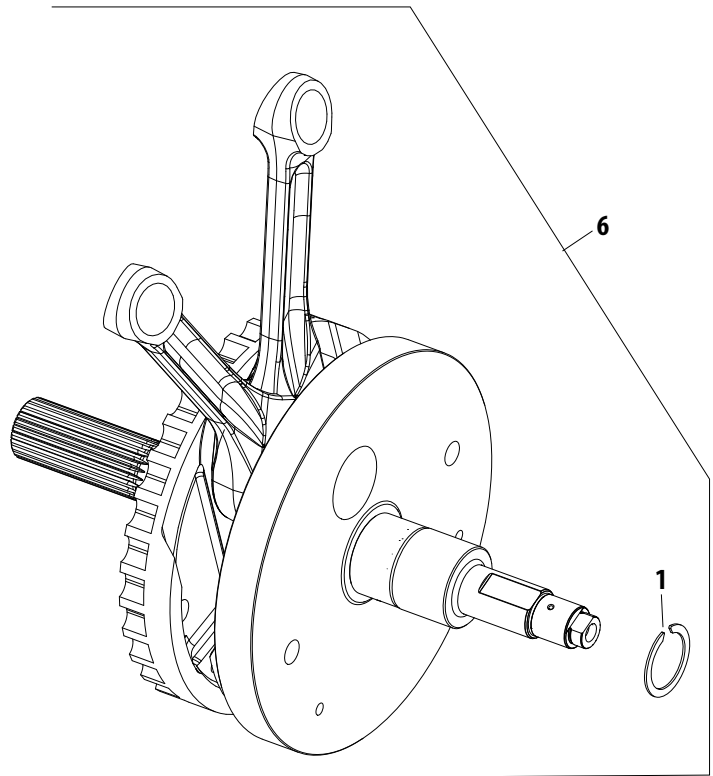
Harley-Davidson® Twin Cam 96™ & 103™ Models



SOFTAIL MODELS (INTERNAL BALANCER)



TOURING AND DYNA MODELS



Parts for
Twin Cam 96™/103™
2007-2015

Parts for
Twin Cam 88®
1999-2006

Parts for
Evolution®
1984-1999

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ALL CRANKCASES & ENGINE OIL FILTER FOR 2007-2015 HARLEY-DAVIDSON BIG TWINS AND 2006 DYNA

Parts for
Twin Cam 96"/103"
2007-2015

Parts for
Twin Cam 88"
1999-2006

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Evolution®
1984-1999

Parts for
Sportster®
1986-2015

Parts for
Sportster®
1955-1985

Parts for
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Parts for
Panheads

Parts for
Knuckleheads

Parts for
Flatheads

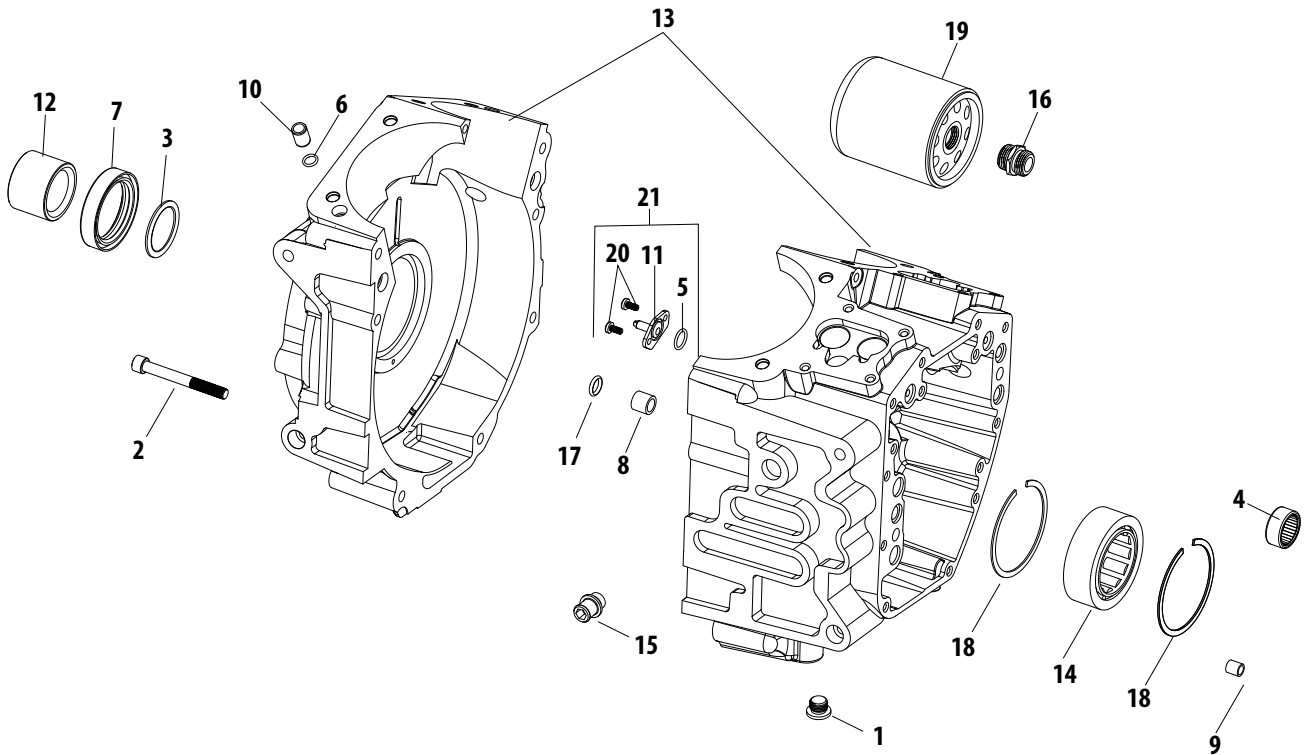
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#	Description	H-D Part No.	VVT Part No.
1	Plug,Pipe,3/4 Taper,1/4-18 NPTF x .460",Zinc,Steel	765	50-8330
2	Screw, 5/16-18 x 3.0 hex flange hd. (Grade 5) (9)	895	310-0645
3	Washer, 1-1/4 x 1-53/64 x 1/8	8972	—
4	Bearing,Inner,Needle,Cam,1.0" x 1.25" x .50" each	9215	31-4199-S
	Bearing,Assembly,Inner,Needle,Cam,2006-up bt,2 Pack		31-4499
5	O-ring,(-014),.500" ID x .625" OD,Nitrile,10 Pack	11140, 11273	50-8130
6	O-ring,(-013),.437" ID x .565" OD,Viton each	11105, 11273	50-8008
	O-ring,Oil Return,(-013),.437" ID x .565" OD,Viton,10 Pack		50-8078
7	Seal,Left,Main Bearing,1999-up bt	12068	31-4035
8	Pin,Dowel,.557" x .500",Black,Steel (2) each	16574-99A, 16573-83,	50-8023
	Pin,Dowel,.557" x .500",Black,Steel (2) 10 Pack	16573-83A	50-8109
9	Pin,Dowel,.275" x .397",Steel (2)	16589-99A	50-8148-S
10	Pin,Dowel,.437" x .610",Steel (4)	16595-99A	50-8177
11	Jet,Assembly,Piston Cooling,1999-up bt (2) NOTE: The S&S Piston Oiler is billet aluminum	22371-99, 22307-99	31-2025B
12	Spacer, Sprocket Shaft 1999-'02	24008-99	—
	Spacer, Sprocket Shaft 2003-up	24008-03	—
13	Set of Crankcases, TCA 2006-up, (silver) See chart for crankcase options	24654-06B	—
	Set of Crankcases, TCA 2006-up, (black) See chart for crankcase options	24621-06B	—
14	Bearing,Right,Main,1999-'06 bt,2000-up Bal bt,2003-up NB bt (2)	24604-00D	31-4085
	Bearing, Main, for 2007 - '15 bt (2)	24605-07	310-0593
15	Fitting, Straight (3)	26314-99	—
16	Fitting,Straight,3/4-16 UNF 2A x 1",Steel	26352-95A	50-8197-S
17	O-ring,(-015),.562" ID x .068" OD,Black,Viton (2)	26432-76A	50-8034-S
18	Retaining Ring,Internal,2.731" x .031" x .158",Steel,SAE 1070-1090(2)	35114-02	50-8160-S
19	Filter, Oil, T-Series X-Wedge, Chrome, 12 Pack	63798-99A	31-4104
	Filter, Oil, T-Series X-Wedge, Chrome, 12 Pack		310-0242
	Filter, Oil, T-Series X-Wedge, Chrome, 12 Pack		31-4103
	Filter, Oil, T-Series X-Wedge, Chrome, 12 Pack		310-0241
20	Screw,Torx Panhead,8-32 x 3/8",Zinc,Steel(4)	68042-99	50-0054-S
21	Jet,Kit,Piston Cooling,4-1/8" 1984-'99 bt, 1999-up bt 2 Pack NOTE: The S&S Piston Oiler is billet aluminum	22307-99,	31-2026
-	Bearing Kit, w/# 3, 14, 18 & inner race (Not Shown)	24004-03A	310-0589

NOT DIRECT SERVICE PARTS (SOLD AS ASSEMBLIES) *Note: These products are compatible services as assemblies.*

#	Description	VVT Part No.
13	Crankcase Assembly, Stock Bore, Black 2007-Up Touring	310-0367
13	Crankcase Assembly, Stock Bore, Silver, 07-Up Touring	310-0366
	Oil Line Kit (Required)	310-0435
	Trans Drilling Fixture (Recommended)	530-0006

Harley-Davidson® Twin Cam 96™ & 103™ Models



Parts for
Twin Cam 96™/103™
2007-2015

Parts for
Twin Cam 88®
1999-2006

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CAMSHAFTS AND CAM COVER

FOR 2007-2015 HARLEY-DAVIDSON BIG TWINS AND 2006 DYNA

Parts for
Twin Cam 96"/103"
2007-2015

Parts for
Twin Cam 88"
1999-2006

Parts for
Evolution®
1984-1999

Parts for
Sportster®
1986-2015

Parts for
Sportster®
1955-1985

Parts for
Shovelheads

Parts for
Panheads

Parts for
Knuckleheads

Parts for
Flatheads

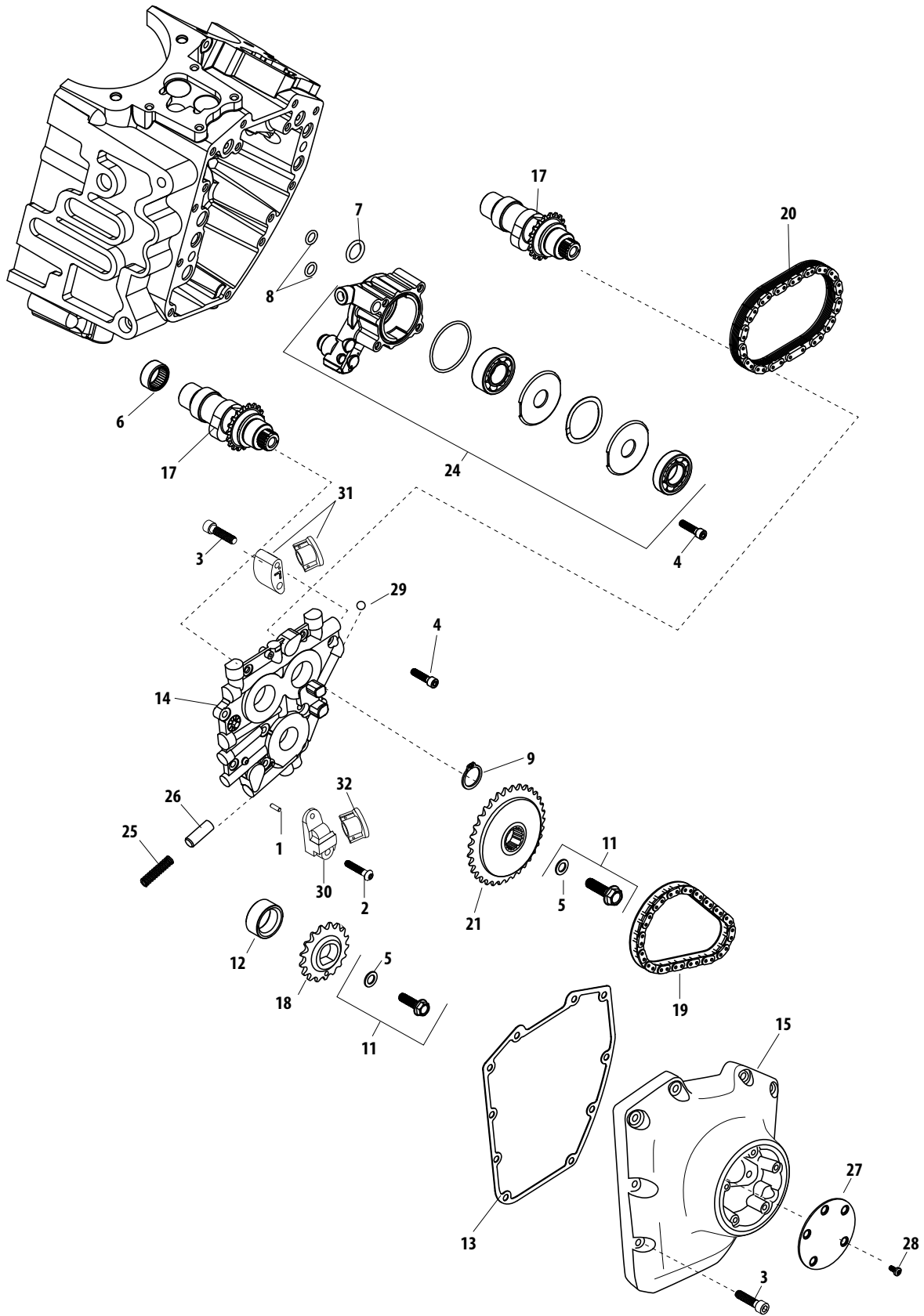
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Cross Reference

#	Description	H-D Part No.	VVT Part No.
1	Roll Pin	601	—
2	Screw, primary chain tensioner (2)	927A	—
3	Screw, 1/4-20 x 1-1/4 knurled hd (Grade 8) (10)	4740A	50-0257-S
4	Screw, SHCS, w/Flat Washer, 1/4-20 x 1", Zinc, ASTM A574-92A <i>4 Pack</i>	4741A	50-0092-S
	Screw, SHCS, w/Flat Washer, 1/4-20 x 1", Zinc, ASTM A574-92A <i>4 Pack</i>		50-0092P
5	Washer, 13/32 x 1-1/8 x 7/32	6294	500-0313
6	Bearing, Inner, Needle, Cam, 1.0" x 1.25" x .50" (2) <i>each</i>	9215	31-4199-S
	Bearing, Inner, Needle, Cam, 1.0" x 1.25" x .50" (2) <i>2 Pack</i>		31-4499
7	O-ring, (-209), .687" ID x .937" OD, Viton <i>each</i>	11293, 11157, 11101, 11190	50-8039
8	O-ring, (-110), .375" ID x .562" OD, Viton <i>each</i>	11301	50-8066-S
9	Retaining Ring, External, Tru-arc, .722" x .042", Steel, SAE 1060-1090	11461, 11494	50-8061
—	Gasket Kit, cam service (Not Shown)	17045-99C	—
11	Screw, HHC, Flanged, Gr8, 5/16-18 x 3/4", Black, Steel (2)	25566-06	50-0100
12	Bushing, crankshaft, 2006 Dyna models	25241-99	—
	Bushing, crankshaft, 2007-2009 big twins	25344-99	—
13	Gasket, Gearcover, Black, Paper, 1999-up bt <i>each</i>	25244-99A	31-2032-S
14	Cam Support Plate w/bypass valve	25355-06	—
15	Cam Cover, (black) <i>See chart for complete Cam Cover assembly</i>	25364-01A	—
	Cam Cover, (silver) <i>See chart for complete Cam Cover assembly</i>	25367-01A	—
	Cam Cover, (chrome) <i>See chart for complete Cam Cover assembly</i>	25369-01A	—
—	Camshaft Chain & Fastener Kit (Not Shown)	25585-06	—
17	Camshaft Kit	25595-06	330-0293
18	Sprocket Kit, Cam Drive On Crankshaft - 17-Tooth	25355-06, 25673-06	310-0608
19	Chain, Primary Cam Drive	25364-01A, 25675-06	310-0609
20	Chain, Secondary Cam Drive	25367-01A, 25683-06	310-0610
21	Sprocket, Cam Drive - 34 Tooth	25369-01A, 25728-06	310-0611
22	Spacer, Cam Drive Sprocket Alignment 0.100" Thick (Use As Required)	25729-06	—
23	Spacer, Cam Drive Sprocket Alignment 0.110" Thick (Use As Required)	25731-06	—
	Spacer, Cam Drive Sprocket Alignment 0.120" Thick (Use As Required)	25734-06	—
	Spacer, Cam Drive Sprocket Alignment 0.130" Thick (Use As Required)	25736-06	—
	Spacer, Cam Drive Sprocket Alignment 0.140" Thick (Use As Required)	25737-06	—
	Spacer, Cam Drive Sprocket Alignment 0.150" Thick (Use As Required)	25738-06	—
24	Oil Pump Assembly, w/Body, Both Gerotor Assemblies, & Separator Plate All Models	26037-06	—
25	Spring, Relief Valve All Models	26210-99	—
26	Valve, Pressure Relief, Oil Pump	26400-82, 26400-82B	31-6082
27	Cover, Timer Cover	32543-99	—
	Cover, Timer Cover (Black)	32558-99	—
28	Screw, Torx Panhead, 8-32 x 3/8", Zinc, Steel (5)	68042-99	50-0054-S
29	Ball, Check Valve, .375", Stainless Steel (12) <i>each</i>	8866, 8873	50-8091
30	Chain Tensioner Assembly, Primary Cam Drive Chain	39968-06	330-0283
31	Chain Tensioner Assembly, Secondary Cam Drive Chain	39969-06	330-0284

NOT DIRECT SERVICE PARTS (SOLD AS ASSEMBLIES) *Note: These products are compatible services as assemblies.*

#	Description	VVT Part No.
15	Cover, Cam Chest, Billet 6061, 1999-up bt, Polished (Hardware and gasket included)	31-6516
	Cover, Cam Chest, Billet 6061, 1999-up bt, Chrome (Hardware and gasket included)	106-3774

Harley-Davidson® Twin Cam 96™ & 103™ Models



Parts for
Twin Cam 96™/103™
2007-2015

Parts for
Twin Cam 88®
1999-2006

Parts for
Evolution®
1984-1999

Parts for
Sportster®
1986-2015

Parts for
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INDUCTION MODULE AND AIR FILTER FOR 2007-2015 HARLEY-DAVIDSON BIG TWINS AND 2006 DYNA

2007-2008 big twin and 2006 Dyna models

#	Description	H-D Part No.	VVT Part No.
1	Screw,SHCS,5/16-18 x 3/4",Zinc,ASTM A574-92A (4) <i>each</i>	3275	50-0302-S
2	Seal, Manifold Air Pressure Sensor	11291	—
3	Flange, Mounting (2)	26993-06	—
4	Seal,Intake,Stock Heads,1984-up bt, 1986-up xl (2)	26992-99, 26995-86A, 26995-86B	16-0236
5	Intake Air Temperature Sensor Kit, w/Screws	27381-06	310-0600
6	Injector, Fuel (2)	27625-06	—
	Fuel Injector Assembly (2)	27709-06A	—
—	Fuel Rail Service Kit, w/Fuel Rail, Screws, Washers, O-Rings, & Tube (Not Shown)	27651-06	—
—	Induction Module Service Kit, Sensor O-Rings & Screws, Injector Clips, Fuel Tube Seal Retainer, & O-Rings (Not Shown)	27655-06	—
9	IAC Motor, w/2 screws	27658-06	550-0406
10	Throttle Position Sensor, w/screws	27659-06	550-0407
11	Bracket, cable	27684-06	—
12	Sensor, MAP, IST with Seal	32424-98, 32416-10, 32417-10	55-5057
13	MAP Sensor, w/o Seal	32424-98	—
14	Intake Air Temperature Harness	69607-06	—
15	Housing, 2-place female	72062-06	—
16	Terminal, #18 AWG female socket (2)	72094-06	—
17	Wire Seal, #18-20 AWG (yellow) (2)	72096-06	—
18	Housing, 2 place pin (black)	74102-98BK	—
19	Secondary Lock, 2-place pin	74142-98	—
20	Terminal, #16-20 AWG pin (2)	74190-98	—
21	Cap Plug (California Only)	90383-98	—
—	Gasket, Induction Module To Backplate (Not Shown)	29583-01A	—
—	O-Ring (2) (Not Shown)	11292	—
—	Backplate Assembly (Not Shown)	29581-01B	—
25	Screw, Breather (2)	29465-99	—
26	Breather Tube (2)	29476-99	—
27	Gasket, Filter Element	29313-95	—
28	Filter,Air,Carb/EFI,2001-'08 Softail EFI,2002-'07	29461-99	106-4630

2008-2015 Touring

#	Description	H-D Part No.	VVT Part No.
29	Screw,SHCS,5/16-18 x 3/4",Zinc,ASTM A574-92A (4) <i>each</i>	3275	50-0302-S
30	Screw, 1/4-20 x 11/16 SEMS socket hd., w/lockpatch (2)	4705	—
31	Flange, Mounting (2)	26993-06	—
32	Seal,Intake,Stock Heads,1984-up bt, 1986-up xl (2)	26992-99, 26995-86A, 26995-86B	16-0236
33	Fuel Injector Assembly, w/O-Ring (2)	27609-04, 27609-01, 27609-01A, 27609-01B	550-0409
34	Induction Module Service Kit	27711-08	—
35	Bracket, Induction Module	27712-08	—
—	Fuel Rail (Not Shown)	27721-08	—
37	Sensor, Temperature Manifold Absolute Pressure w/O-Ring	32319-07	—
38	Fuel Line	62905-08	—
39	Cap, Purge Tube	90383-98	—
40	Gasket,Throttle Body,Throttle by Wire,2008-Up Touring,2009-up Tri-Glide, 2011-up Softail CVO <i>each</i>	29645-08	106-2643
—	Backplate Assembly (Not Shown)	29630-08A	—
42	Breather Bolt (2)	29465-08	—
43	Breather Tube (2)	29502-08	—
44	Filter Element, W/29645-08	29633-08	—

Parts for
Twin Cam 96"/103"
2007-2015

Parts for
Twin Cam 88"
1999-2006

Parts for
Evolution®
1984-1999

Parts for
Sportster®
1986-2015

Parts for
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Parts for
Shovelheads

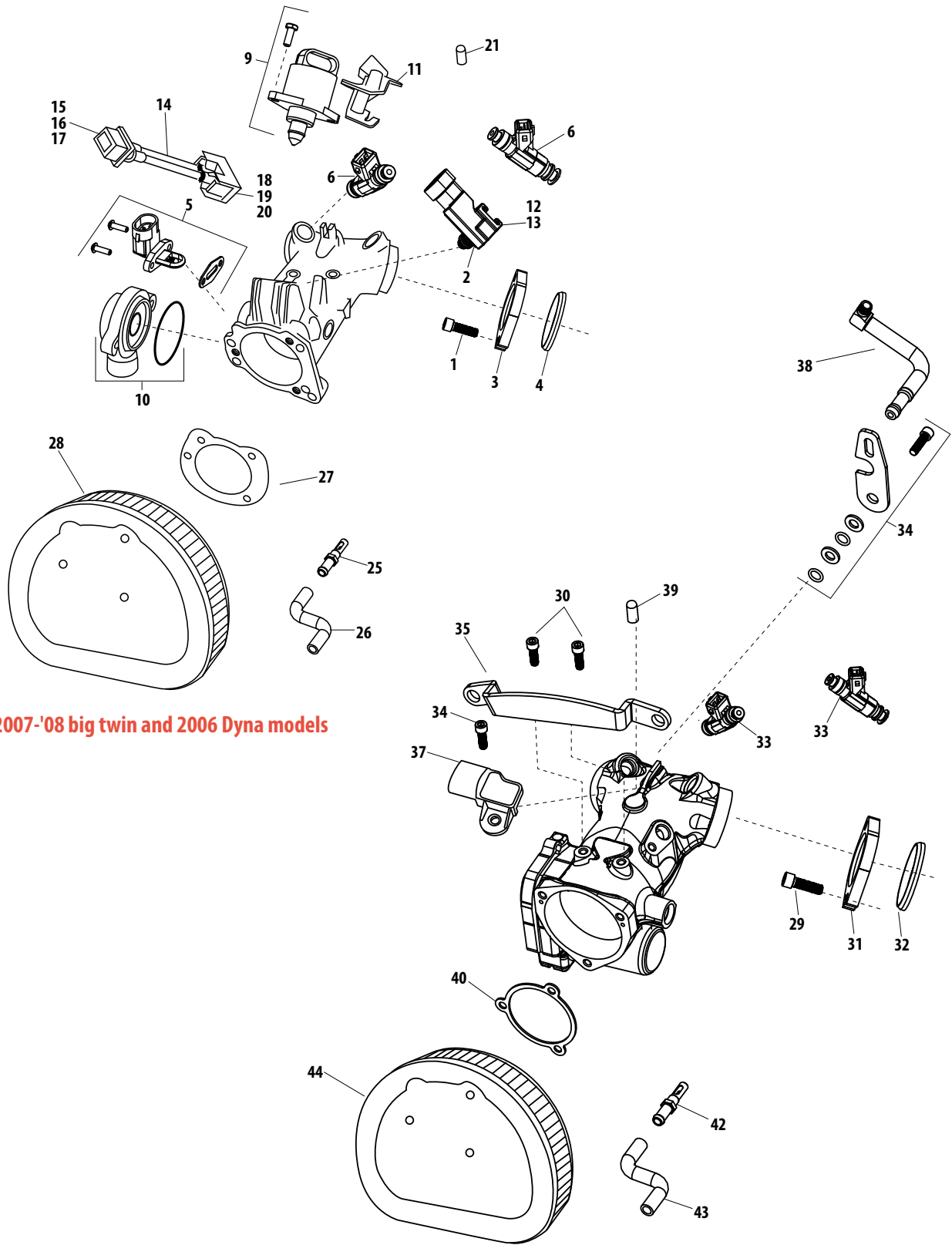
Parts for
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Parts for
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Harley-Davidson® Twin Cam 96™ & 103™ Models



2007-'08 big twin and 2006 Dyna models

2008-2012 Touring models

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Parts for
Twin Cam 96™/103™
2007-2015

Parts for
Twin Cam 88®
1999-2006

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ELECTRONIC CONTROL MODULE (ECM) AND COIL FOR 2007-2015 HARLEY-DAVIDSON BIG TWINS AND 2006 DYNA

Parts for
Twin Cam 96"/103"
2007-2015

Parts for
Twin Cam 88"
1999-2006

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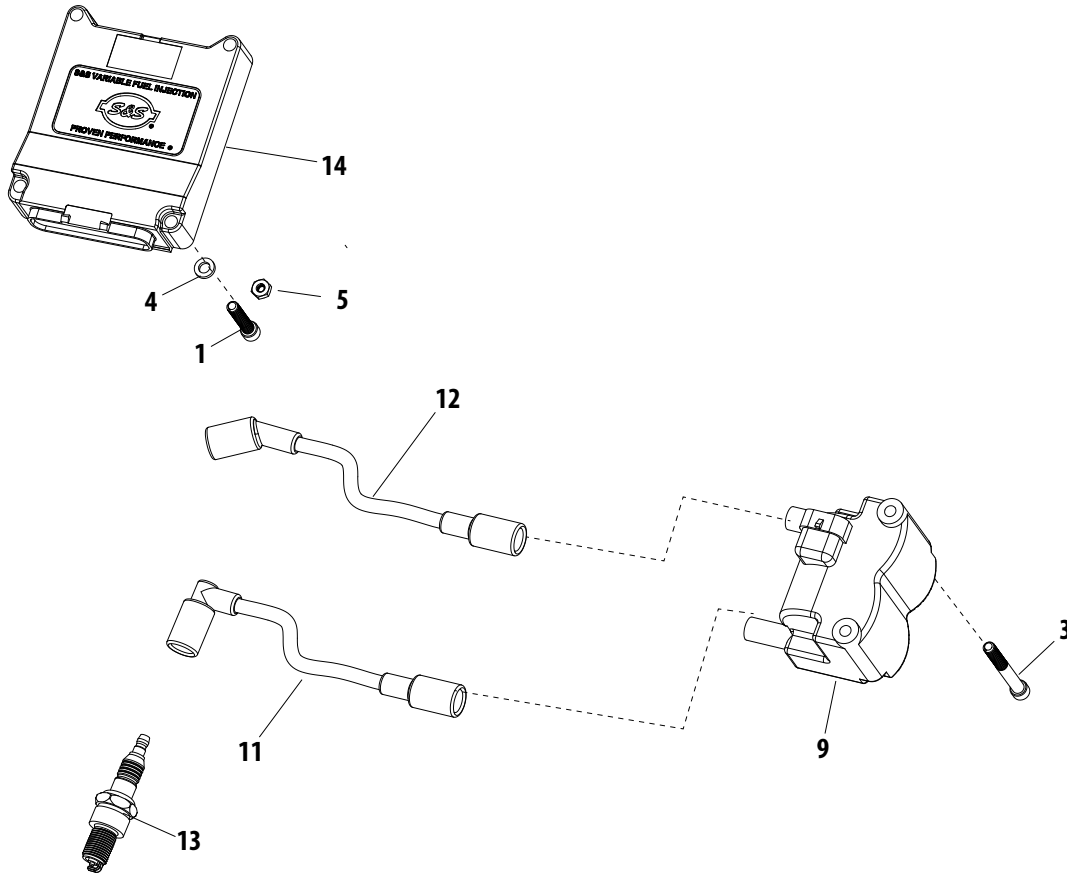
Electronic Control Module - Fuel Injected

#	Description	H-D Part No.	VVT Part No.
1	Screw, 1/4-20 x 1-1/4 knurled hd. (Grade 8) (4)	3601	—
—	Screw, No. 10-32 x 1/2 self tapping (Not Shown)	3602A	—
3	Screw, 1/4-20 x 2-1/4 knurled socket hd. (w/lockpatch) (2)	4717A	50-0078
4	Washer, 1/4 x 7/16 x 1/16 (4)	6099	—
	Washer, No. 10 x 1/2 x 3/64 (4)	6716	—
5	Nut, No. 10-32 x 3/8 keps (4)	7629	—
—	Cable Strap, With Plug-In Retainer (4) (Not Shown)	10177	—
—	Coil Cover Assembly, with Pad (chrome) (Not Shown)	30202-01	—
—	Pad, Coil Cover (Not Shown)	31742-00	—
9	Ignition Coil, Dual, 2007-'14 EFI	31696-07A	550-0424
—	Coil Cover Assembly, with Pad (Chrome) (Not Shown)	31772-01	—
	Coil Cover Assembly, with Pad (Black Wrinkle) (Not Shown)	31773-01	—
11	Spark Plug Cable, Front Cylinder <i>See chart for spark plug wire options</i>	31981-99B	—
12	Spark Plug Cable, Rear Cylinder <i>See chart for spark plug wire options</i>	31983-00B	—
13	Spark Plug, 6R12 (2) <i>Champion Spark Plug RA8HC each</i>	32317-86A,	55-1320
	Spark Plug, 6R12 (2) <i>Champion Spark Plug RA8HC 2 Pack</i>	32362-04	55-1322
	Spark Plug (2) <i>Champion Spark Plug RA8HC each</i>	32317-86A,	55-1320
	Spark Plug (2) <i>Champion Spark Plug RA8HC 2 Pack</i>	32362-04	55-1322
14	Electronic Control Module w/Calibration <i>See chart for complete VFI Module Kit</i>	32612-01	—
	Electronic Control Module w/Calibration <i>See chart for complete VFI Module Kit</i>	32762-01	—
	Electronic Control Module, FLT/ST Base Level - DOM/HDI <i>See chart for complete VFI Module Kit</i>	32534-05	—
	Electronic Control Module, 2006 Dyna Base Level <i>See chart for complete VFI Module Kit</i>	32534-05A	—
	Electronic Control Module (ECM), Base Level (Domestic, All HDI) Requires Digital Programming <i>See chart for complete VFI Module Kit</i>	32534-05B	—
	Electronic Control Module, Delphi 2001 - 2012 bt except 2008 Touring, requires digital programming	32498-06	—
	Electronic Control Module, Delphi 2001 - 2012 bt except 2008 Touring, requires digital programming	32534-11	—

NOT DIRECT SERVICE PARTS (SOLD AS ASSEMBLIES) *Note: These products are compatible services as assemblies.*

#	Description	VVT Part No.
11	Wire Set, Spark Plug, 99-12 FXD w/EFI	550-0516
	Wire Set, Spark Plug, 99-08 Touring w/EFI	550-0517
12	Wire Set, Spark Plug, 00-12 Softail w/EFI	550-0518
	Wire Set, Spark Plug, 09-12 Touring w/EFI	550-0520
14	Module, Kit, VFI, Delphi, Pro Tune II Software, 2001-up bt except 2008-up Touring with S&S Calibration Software	55-5090

Harley-Davidson® Twin Cam 96™ & 103™ Models



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Parts for
Twin Cam 96™/103™
2007-2015

Parts for
Twin Cam 88®
1999-2006

Parts for
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ENGINE SENSORS

FOR 2007-2015 HARLEY-DAVIDSON BIG TWINS AND 2006 DYNA

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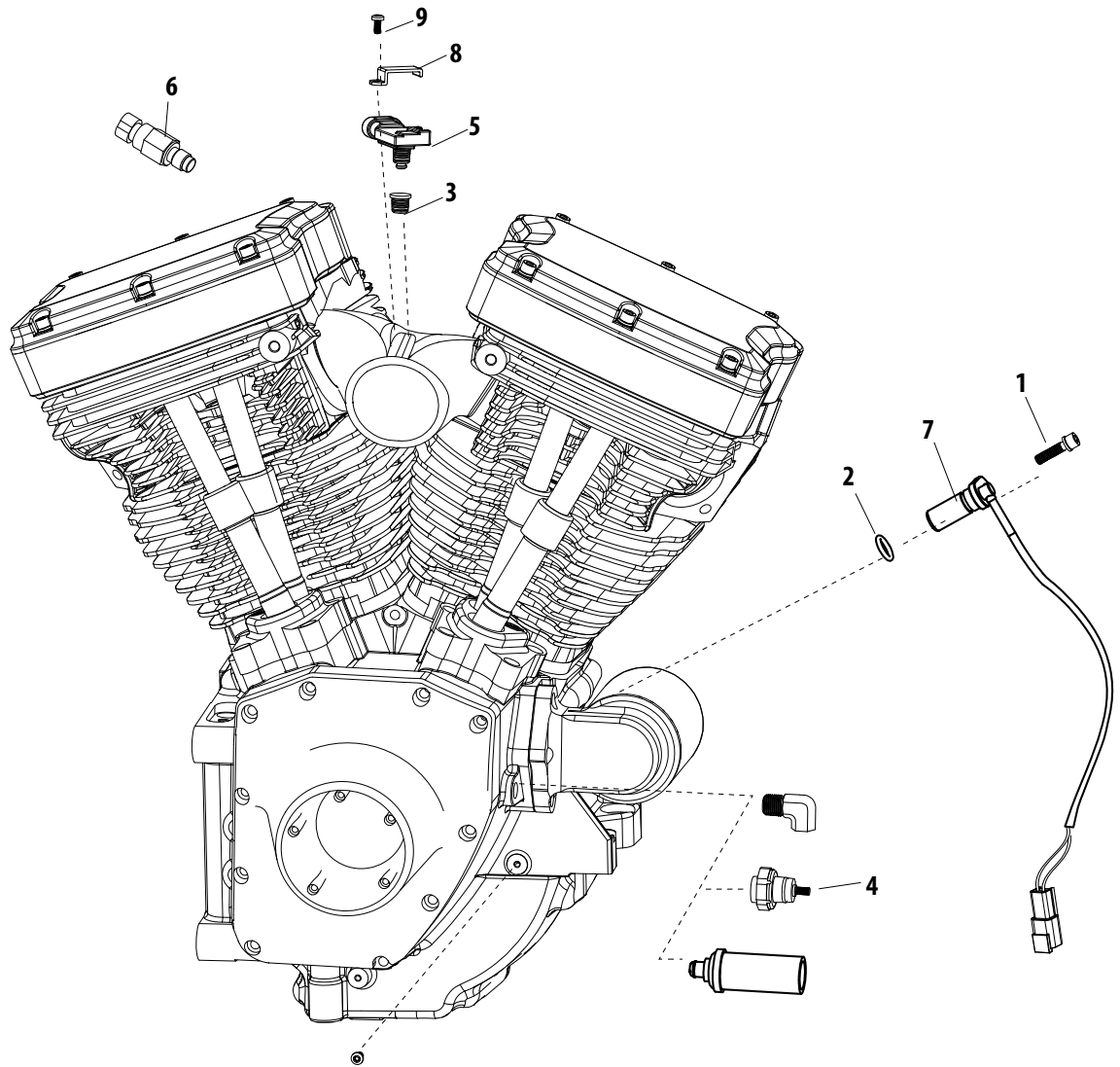
Parts for
Knuckleheads

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#	Description	H-D Part No.	VVT Part No.
1	Screw,SHCS,w/ Flat Washer,1/4-20 x 1",Zinc,ASTM A574-92A <i>each</i>	4741A	50-0092-S
	Screw,SHCS,w/ Flat Washer,1/4-20 x 1",Zinc,ASTM A574-92A, <i>4 Pack</i>		50-0092P
2	O-ring	11289	—
3	Seal, Barometric Pressure Sensor	11291	—
4	Oil Pressure Switch	26561-99	550-0405
5	Sensor, MAP, IST with Seal	32424-98, 32416-10, 32417-10	55-5057
6	Sensor, Temperature, Cylinder Head, 4-1/8" 1984-'99 bt, 1999-up bt	32446-99	55-1014
7	Sensor, crankshaft position	32798-00	—
	Sensor, Kit, Crank Position, 1984-2007 bt, w/11289A, 72199-94, 74194-98, & pins <i>S&S wire length is 48", stock is ~12"</i>	32707-01B, 32707-01C	55-1051
8	Clamp, Hold-Down, MAP Sensor	38723-99	16-5077-S
9	Screw, Torx Panhead, 8-32 x 3/8", Zinc, Steel (2)	68042-99	50-0054-S

Harley-Davidson® Twin Cam 96™ & 103™ Models



Parts for
Twin Cam 96™/103™
2007-2015

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STARTERS

FOR 2007-2015 HARLEY-DAVIDSON BIG TWINS AND 2006 DYNA

Parts for
Twin Cam 96"/103"
2007-2015

Parts for
Twin Cam 88"
1999-2006

Parts for
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Parts for
Sportster®
1986-2015

Parts for
Sportster®
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Parts for
Shovelheads

Parts for
Panheads

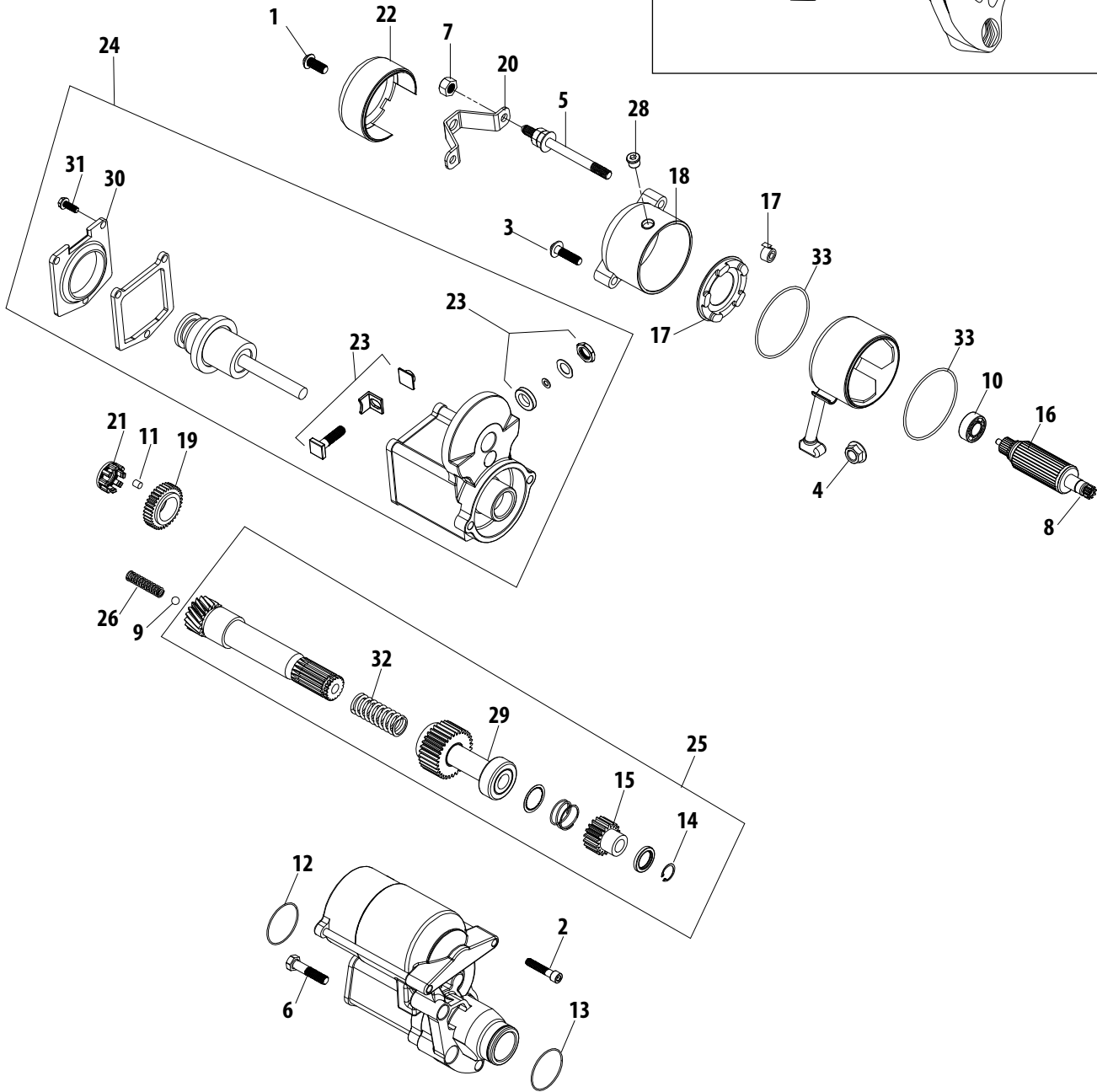
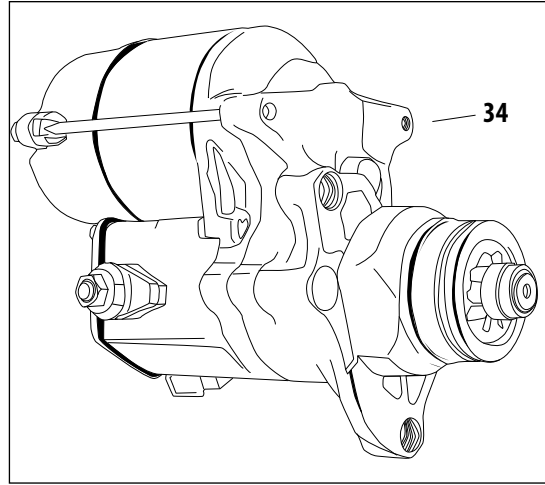
Parts for
Knuckleheads

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#	Description	H-D Part No.	VVT Part No.
1	Screw, Cover	925	-
2	Bolt, Starter (2)	928	-
3	Screw, W/ O-Ring (2)	929A	-
4	Locknut, Flange	3403	-
5	Bolt, Starter (2)	3559	-
6	Screw, Starter Mount (2)	4419	-
7	Nut, Bracket (2)	7838	-
8	Ball Bearing	8871	-
9	Ball	8879	-
10	Ball Bearing	8883	-
11	Clutch Roller (5)	9077	-
12	O-Ring	10957	-
13	Shaft, Starter Motor, Oil Seal, '06-Up Dyna,'07-Up All Models	27444-00Y	550-0387
	Shaft, Starter Motor, Oil Seal, '06-Up Dyna,'07-Up All Models, 5 Pack	27444-00Y	550-0386
14	Ring, Snap	31328-91	-
15	Gear, Pinion	31345-06	-
16	Armature Assembly	31515-90	-
17	Brush Holder Assembly, W/ Springs	31518-90	-
18	Frame, Starter End	31519-90	-
19	Idler Gear	31525-90	-
20	Bracket Assembly, Starter Cover	31527-90	-
21	Retainer, Idler	31530-90	-
22	Cover (Chrome)	31611-08	-
23	Solenoid Repair Kit	31604-06	-
24	Solenoid Assembly, W/ 31688-90 & 31689-90	31631-06	-
25	Clutch Subassembly, 31328-91, 31345-06, 31681-07	31633-07	-
26	Spring, Solenoid	31641-06	-
27	Cap, Terminal, Rubber	31643-06	-
28	Drain Vent	31660-90	-
29	Clutch, Starter Motor	31681-07	550-0373
30	Cover, Solenoid	31688-90	-
31	Bolt, W/ Washer (3)	31689-90	-
32	Spring	31692-90	-
33	O-Ring (2)	31695-90	-
34	Starter, 1.4Kw Hd - Black Finish (Pinion) (2007 - Up Bt - 06-Up Dyna)	31621-06, 31621-06A	550-0273
	Starter, 1.4Kw Hd - Chrome Finish (Pinion) (2007 - Up Bt - 06-Up Dyna)	31621-06, 31621-06A	550-0274
35	Relay, Starter, 2007-'10 Softail, '07-'11 Dyna (Not Shown)	31522-00, 31522-00B, 31522-00C	550-0404
36	Lock Tab, Starter Shaft Bolt, 1994-Up bt, 10 pack	33126-94	560-0119

Harley-Davidson® Twin Cam 96™ & 103™ Models



Parts for
Twin Cam 96™/103™
2007-2015

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PRIMARY HOUSING FOR 2007-2015 HARLEY-DAVIDSON BIG TWINS

Parts for
Twin Cam 96"/103"
2007-2015

Parts for
Twin Cam 88"
1999-2006

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1984-1999

Parts for
Sportster®
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Parts for
Sportster®
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Parts for
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Panheads

Parts for
Knuckleheads

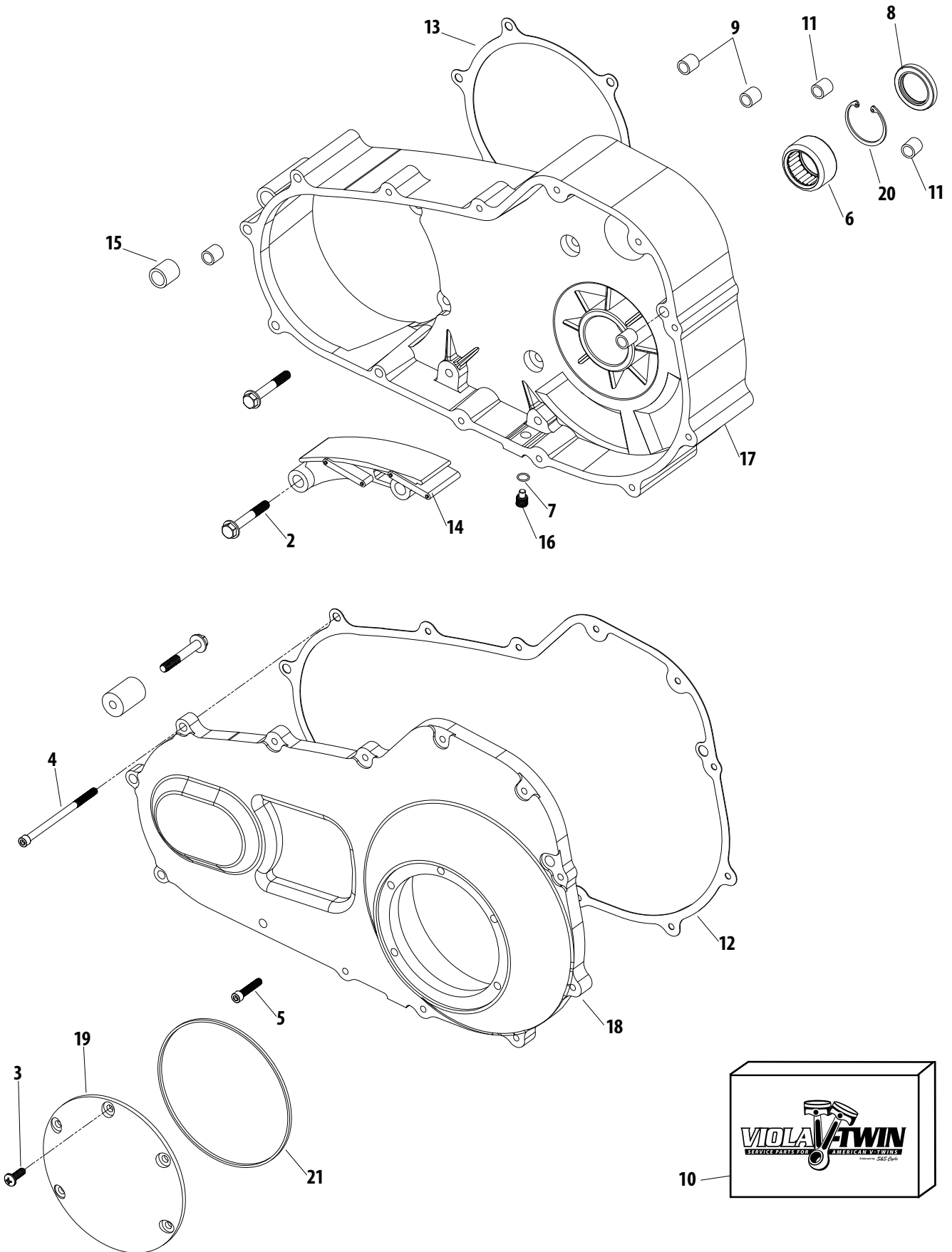
Parts for
Flatheads

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Cross Reference

#	Description	H-D Part No.	VVT Part No.
1	Bolt (5)	786A	—
2	Screw (2)	791A	—
3	Screw (5)	1062	—
4	Screw (4)	1780	—
5	Screw (9)	4813A	—
6	Bearing	9231	—
7	O-ring,(-013),.437" ID x .565" OD,Viton	11105, 11273	50-8008
8	Seal, Inner Primary, 2006 Dyna, 2007-up bt	34934-06	560-0051
9	Bushing, Dowel (2)	16583-00A	—
10	Gasket, Kit, Primary, Rebuild, 2007-up FL	17369-06	560-0037
	Gasket, Kit, Primary, Rebuild, 2006 up Dyna,'07-up Softail	—	560-0038
11	Dowel Bushing (4)	24754-75, 24754-75A	50-8018
12	Gasket, Outer, Primary Cover, 2007-up FL <i>each</i>	34901-07	560-0047
	Gasket, Outer, Primary Cover, 2007-up FL, <i>5 Pack</i>		560-0048
	Gasket, Outer, Primary Cover, 2006 up Dyna,'07-up Softail, <i>each</i>	60547-06	560-0049
	Gasket, Outer, Primary Cover, 2006 up Dyna,'07-up Softail, <i>5 Pack</i>		560-0050
13	Gasket, Primary Housing To Case	34934-06	560-0051
14	Chain Tensioner Assembly <i>See chart below for tensioner options</i>	39929-06B	—
15	Bushing (2)	42624-00	—
16	Plug, Magnetic Drain w/11105	60328-98B	—
17	Inner Primary Housing w/9231, 12052A, 16583-00A, 42642-00, 60328-98B, 60678-85, Black	60437-07A	—
18	Cover, Primary Chrome	60553-07	—
19	Cover, Clutch Chrome	60766-06	—
20	Retaining Ring	60678-85	—
21	O-ring, Derby Cover, 2006-up Dyna,2007-up bt, <i>5 Pack</i>	17369-06	560-0063

NOT DIRECT SERVICE PARTS (SOLD AS ASSEMBLIES) <i>Note: These products are compatible services as assemblies.</i>		
#	Description	VVT Part No.
14	BakerAttitude Chain Adjuster Kit, 07-up	560-0166

Harley-Davidson® Twin Cam 96™ & 103™ Models



Parts for
Twin Cam 96™/103™
2007-2015

Parts for
Twin Cam 88®
1999-2006

Parts for
Evolution®
1984-1999

Parts for
Sportster®
1986-2015

Parts for
Sportster®
1955-1985

Parts for
Shovelheads

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Panheads

Parts for
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Note: VVT parts cross referenced to stock OEM parts are functionally identical, but may differ slightly in appearance. Line drawings are a typical representation and may not be an exact match. Please confirm the required stock part number for intended application before ordering. All reference to H-D® part numbers are for identification purposes only. We are in no way implying that any of the VVT products are original equipment parts or that they are equivalent to the corresponding H-D part number shown.

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TRANSMISSION HOUSING AND OIL TANK FOR 2007-2015 HARLEY-DAVIDSON BIG TWINS

Parts for
Twin Cam 96™/103™
2007-2015

Parts for
Twin Cam 88®
1999-2006

Parts for
Evolution®
1984-1999

Parts for
Sportster®
1986-2015

Parts for
Sportster®
1955-1985

Parts for
Shovelheads

Parts for
Panheads

Parts for
Knuckleheads

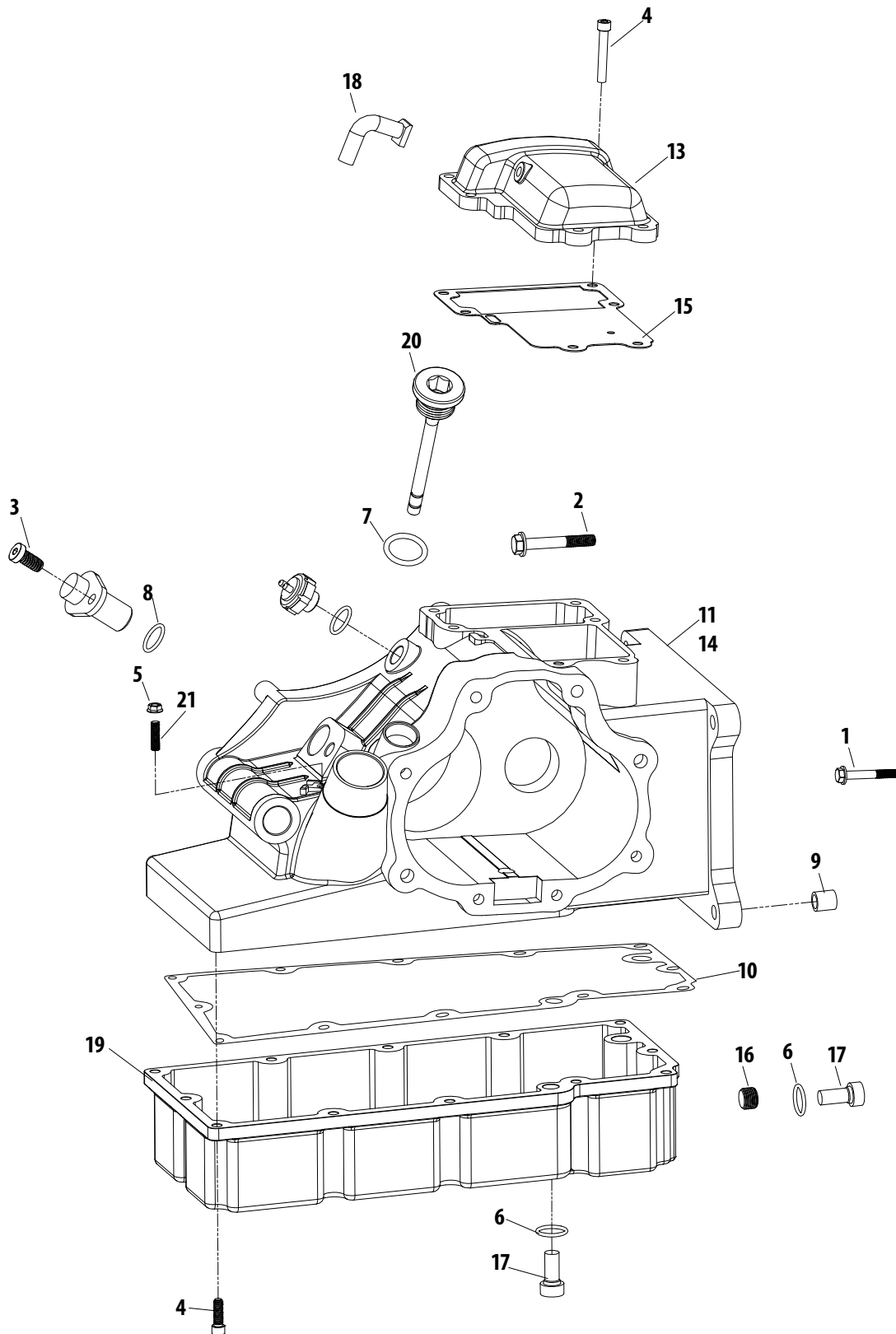
Parts for
Flatheads

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#	Description	H-D Part No.	VVT Part No.
1	Screw (2)	3699D	-
2	Screw (2)	3983	-
3	Screw	4705 SCREW	-
4	Screw (18)	4741A	-
5	Nut	7792	-
6	O-Ring (2)	11105, 11273	50-8008
7	O-Ring	11120	-
8	O-Ring	11289A	-
9	Dowel Pin (2)	16574-9914	-
10	Gasket, Oil Pan, 1999-up FL	26077-99	310-0440
	Gasket, oil pan, 1999-up FL <i>10 Pack</i>	26077-99	310-0441
	Gasket, oil pan, 1999-up Dyna	26072-99	310-0442
	Gasket, oil pan, 1999-up Dyna <i>10 Pack</i>	26072-99	310-0443
11	Transmission Service, without Cable, Covers & Sensors (Chrome & Black)	33166-10	-
12	Switch, Neutral Indicator, with O-Ring	33926-06B	-
13	Transmission Cover, Top (Chrome) <i>See chart below for cover options</i>	34469-068	-
14	Transmission Case Subassembly, ~/3594,8963,8967, 9701, 1 1 161, 12074,16574-99A, 35082-07,35122-06, 351 86-06,35241 -06, 35242-06, 371 01 -848, 40659-06 & 66290-06 (Black)	34719-07B	-
15	Gasket, Upper Cover	34917-06	560-0175
16	Pipe Plug	45893-99	-
17	Plug, Magnetic W/ 1 11 05 (2)	60328-98B	-
18	Vent Hose, Transmission	62372-09	-
19	Oil Pan Assembly (Black) W/ 11 105,45893-99 & 60328-98B, 1999-up Touring	62489-99A	560-0096
	Oil Pan Assembly (Black), 1999-up Dyna	26085-99A	560-0097
20	Dipstick Assembly, ~111120 (Silver Cap)	62849-07A	-
21	Stud, Ground	66290-06	-
22	Speed Sensor, W/ 11289A	74402-05A	-

NOT DIRECT SERVICE PARTS (SOLD AS ASSEMBLIES) <i>Note: These products are compatible services as assemblies.</i>		
#	Description	VVT Part No.
13	Cover, Transmission Top, Baker™, 2007-up bt	560-0176

Harley-Davidson® Twin Cam 96™ & 103™ Models



Parts for
Twin Cam 96™/103™
2007-2015

Parts for
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1999-2006

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1984-1999

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TRANSMISSION BEARINGS AND COVERS FOR 2007-2015 HARLEY-DAVIDSON BIG TWINS

Parts for
Twin Cam 96™/103™
2007-2015

Parts for
Twin Cam 88®
1999-2006

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Evolution®
1984-1999

Parts for
Sportster®
1986-2015

Parts for
Sportster®
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Parts for
Shovelheads

Parts for
Panheads

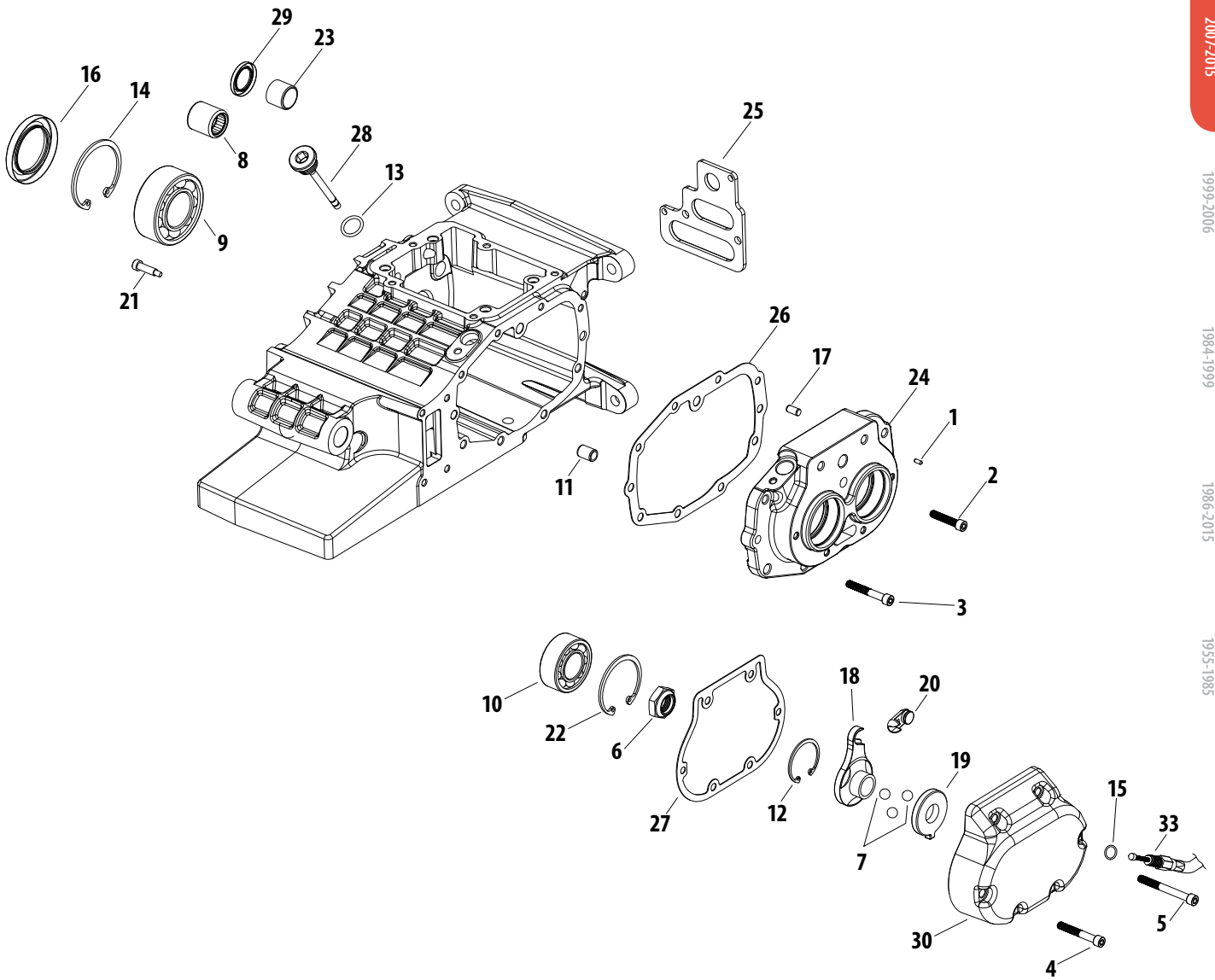
Parts for
Knuckleheads

Parts for
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#	Description	H-D Part No.	VVT Part No.
1	Pin 2	221	-
2	Screw 6	3249	-
3	Screw 2	3300	-
4	Screw 4	4718A	50-0079
5	Screw 2	4741A	-
6	Nut, Mainshaft And Countershaft	7340	560-0171
7	Ball 3	8873	-
8	Bearing Needle	8963	-
9	Bearing	8967	-
10	Bearing 2	8970	-
11	Bushing ,	9701	-
12	Retaining Ring	10998	-
13	O-Ring Dipstick	11132A	-
14	Retaining Ring	11161, 11599	50-8051
15	O-Ring	11179	-
16	Seal	12074	560-0172
17	Bushing , Dowel 2	16583-00A	-
18	Inner Ramp	25604-00A	-
19	Outer Ramp	25605-00A	-
20	Coupling	34290-86A	-
21	Centering Screw	35082-07	-
22	Retaining Ring	35087-99A, 35087-99	560-0200
23	Sleeve	35186-06	-
24	Bearing Housing Assembly (includes: #22, 17, 10, 1)	35260-06	-
25	Gasket, Transmission to Engine, 2007-up bt	35607-06, 35470-10	560-0094
	Gasket, Transmission to Engine, 2007-up bt <i>5 pack</i>	35607-06	560-0095
26	Gasket, Bearing Housing	35654-06	560-0173
27	Gasket, Cover	36805-06	560-0174
28	Dipstick Chrome	37065-06	-
29	Oil Seal	37101-84B	-
30	Clutch Release Cover Chrome	37116-06	-
31	Clutch Release Cover Assembly (includes: 32 & 34)	37133-11	-
	Boot, Cluth Cable (Not Illustrated)	38630-88	-
33	Cable, Clutch Control W/ 11179, 38630-88 & 38900-08	38667-08A	-
34	Insert, Side Cover 6 Speed	60824-11	-

Harley-Davidson® Twin Cam 96™ & 103™ Models



Parts for
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1999-2006

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TRANSMISSION GEARS

FOR 2007-2015 HARLEY-DAVIDSON BIG TWINS

Parts for
Twin Cam 96"/103"
2007-2015

Parts for
Twin Cam 88"
1999-2006

Parts for
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1984-1999

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#	Description	H-D Part No.	Vvt Part No.
1	Spacer	5378A	-
2	Nut 2	7340	560-0171
3	Bearing, Needle 4	4718A	50-0079
4	Bearing, Needle	8041	-
5	Bearing, Needle 2	8042	-
6	Retaining Ring 2	10991A	-
7	Retaining Ring	11061A	-
8	Ring, Lock	11081A	-
9	Securing Segment 6	11082	-
10	Ring, Retaining	11096	560-0177
11	O-Ring	11201	-
12	Washer, Internal Spline	11207A	-
13	Spacer, Bearing	11161, 11599	50-8051
14	Oil Seal	12077	560-0178
15	Bearing, Inner Race	34091-08	-
16	Gear Assembly, Driven Output W/ 8042,10991A, 11201, 11599, 12077	35122-06	-
17	Guide Hub, Dog Ring	35124-06	-
18	Dog Ring, Lugged 2	35126-06	-
19	Guide Hub, Dog Ring	35201-01	-
20	Guide Hub, Dog Ring	35202-06	-
21	Dog Ring, Pocketed	35204-06	-
	Gear Pack, Forks And Drum SubAssembly W/ 1, 2, 3, 4, 7, 8, 9, 12, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 7340, 35260-06, Shifter Cam And Forks Black	35246-10	-
22	Input Shaft Kit W/ 11061A, 34091-08, 35201-10	35467-06B	-
23	Countershaft Assembly 2006 Dyna, 2007 - up bt	35607-06, 35470-10	560-0094
24	Gear, Fifth Input	35607-06	560-0095
25	Gear, Countershaft First	35805-06A	-
26	Gear, Countershaft Second	35807-06	-
27	Gear, Countershaft Third	35811-06	-
28	Gear, Countershaft Fourth	35814-06	-
29	Rod Assembly	37069-90A, 37069-90	560-0229
30	Bearing	37312-75	560-0231
31	Bearing, Thrust Race 2	37313-80	560-0181
	Cable, Clutch Control W/ 11179, 38630-88 & 38900-08	38667-08A	-
	Insert, Side Cover 6 Speed	60824-11	-

Harley-Davidson® Twin Cam 96™ & 103™ Models

Parts for
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2007-2015

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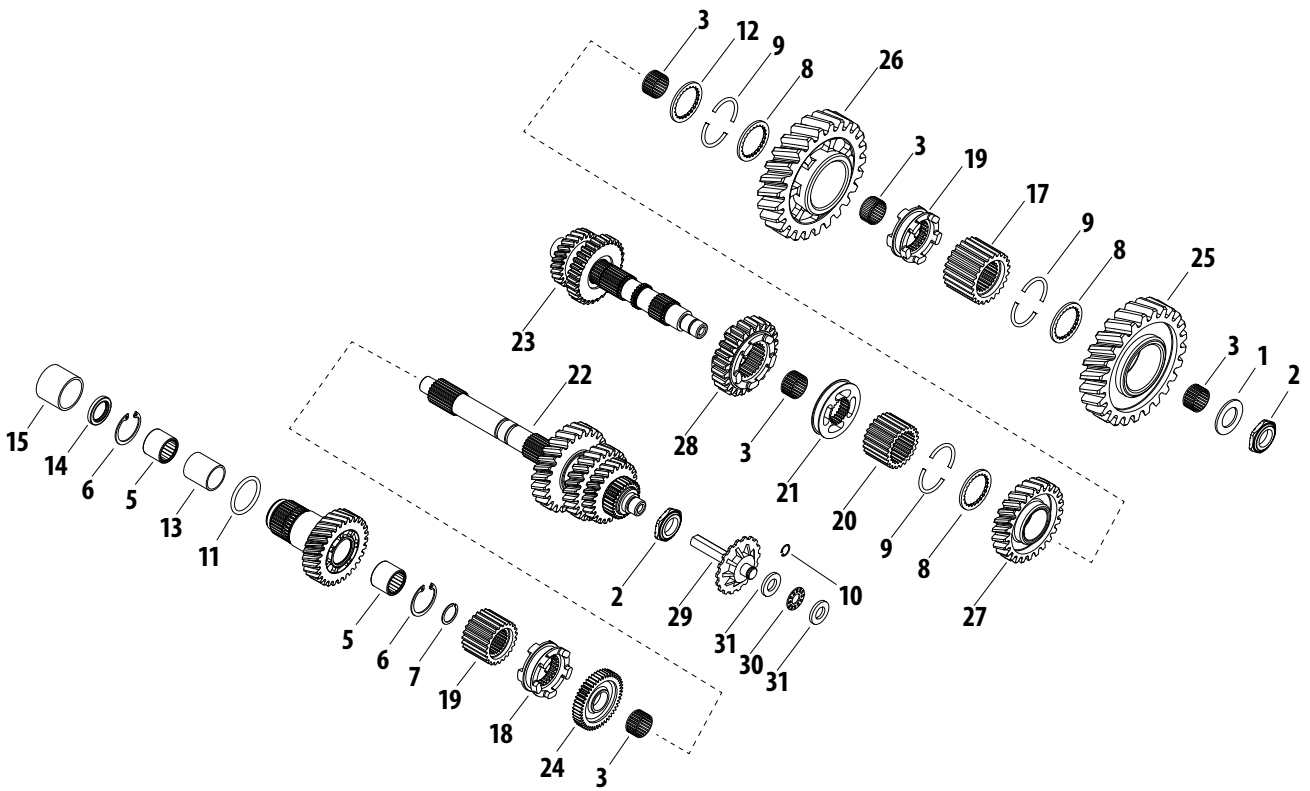
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CLUTCH

FOR 2007-2015 HARLEY-DAVIDSON BIG TWINS

Parts for
Twin Cam 96"/103"
2007-2015

Parts for
Twin Cam 88"
1999-2006

Parts for
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1984-1999

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Sportster®
1986-2015

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Shovelheads

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Panheads

Parts for
Knuckleheads

Parts for
Flatheads

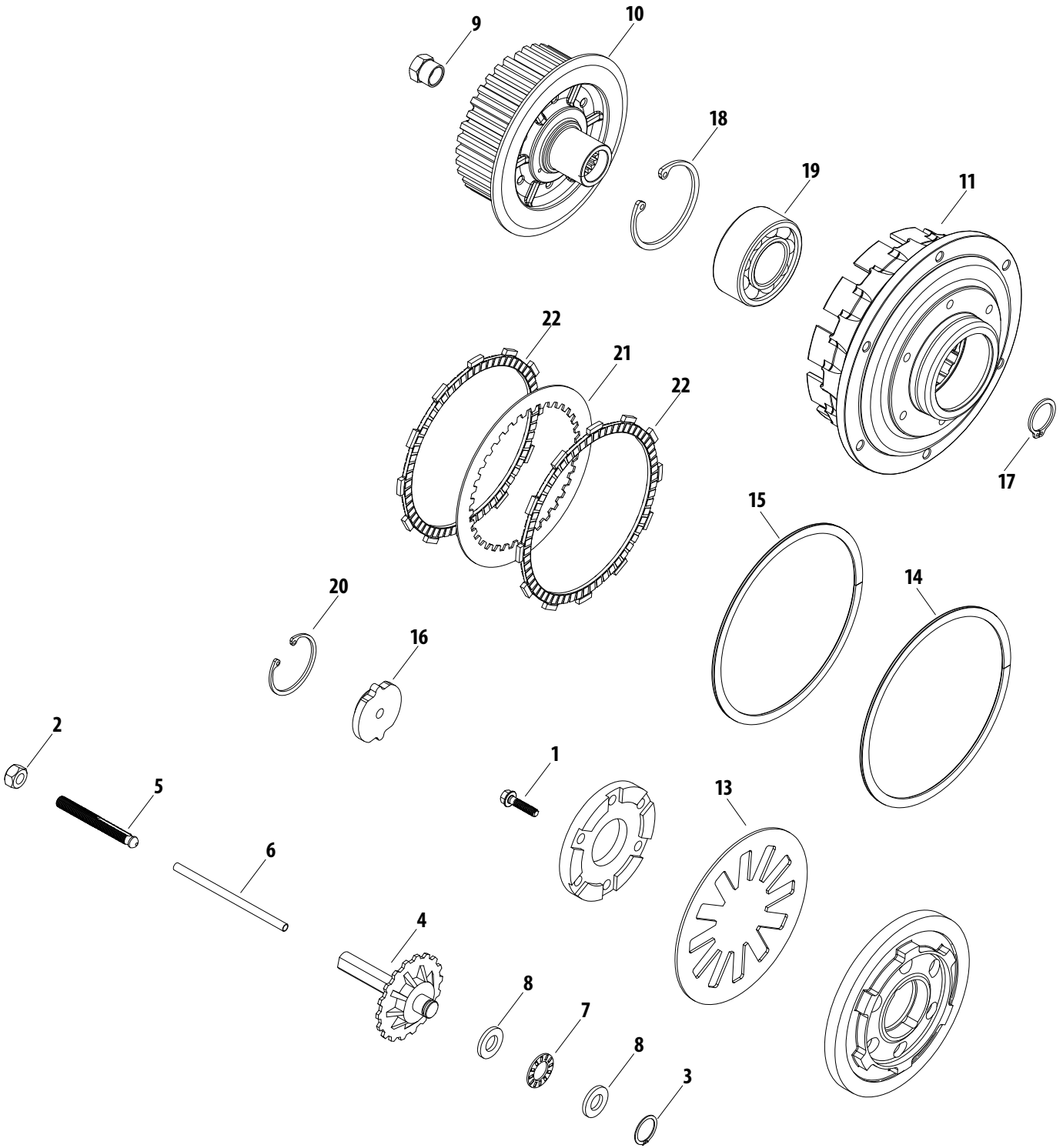
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#	Description	H-D Part No.	VVT Part No.
1	Screw 6	2980	-
2	Jam Nut	7848W	-
3	Retaining Ring	11096	-
4	Rod Assembly	37069-90A	-
5	Screw, Adjuster	37090-98A	-
6	Push Rod, Clutch Release	37092-06	-
7	Bearing, Pushrod	37312-75	560-0231
8	Bearing, Thrust Race 2	37313-80	560-0181
9	Nut, Mainshaft	37496-90A	-
10	Hub Assembly, Clutch	37554-11	-
11	Clutch Assembly Includes: #1, 9, 10, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, & 23	37813-11	-
12	Seat, Clutch Spring	37872-00	-
13	Spring, Clutch, Blue	37882-06A	-
14	Seat, Damper Spring	37883-98	-
15	Damper Spring	37884-98	-
16	Release Plate	37903-90	-
17	Retaining Ring	37904-90	-
18	Retaining Ring, Internal	37905-00	-
19	Bearing, Ball	37906-11	-
20	Retaining Ring, Internal	37909-90	-
21	Pressure Plate, Clutch	37912-00	-
	Friction Plate Kit, W/ 9 Plates (N/S)	37932-98, 37911-98, 37885-98	560-0128
22	Plate Clutch 8	37913-98	560-0129

NOT DIRECT SERVICE PARTS (SOLD AS ASSEMBLIES) Note: These products are compatible services as assemblies.

#	Description	VVT Part No.
13	Spring, Clutch	560-0138

Harley-Davidson® Twin Cam 96™ & 103™ Models



Parts for
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ALTERNATOR AND REGULATOR FOR 2007-2015 HARLEY-DAVIDSON BIG TWINS

Parts for
Twin Cam 96"/103™
2007-2015

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Twin Cam 88®
1999-2006

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1984-1999

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1986-2015

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Parts for
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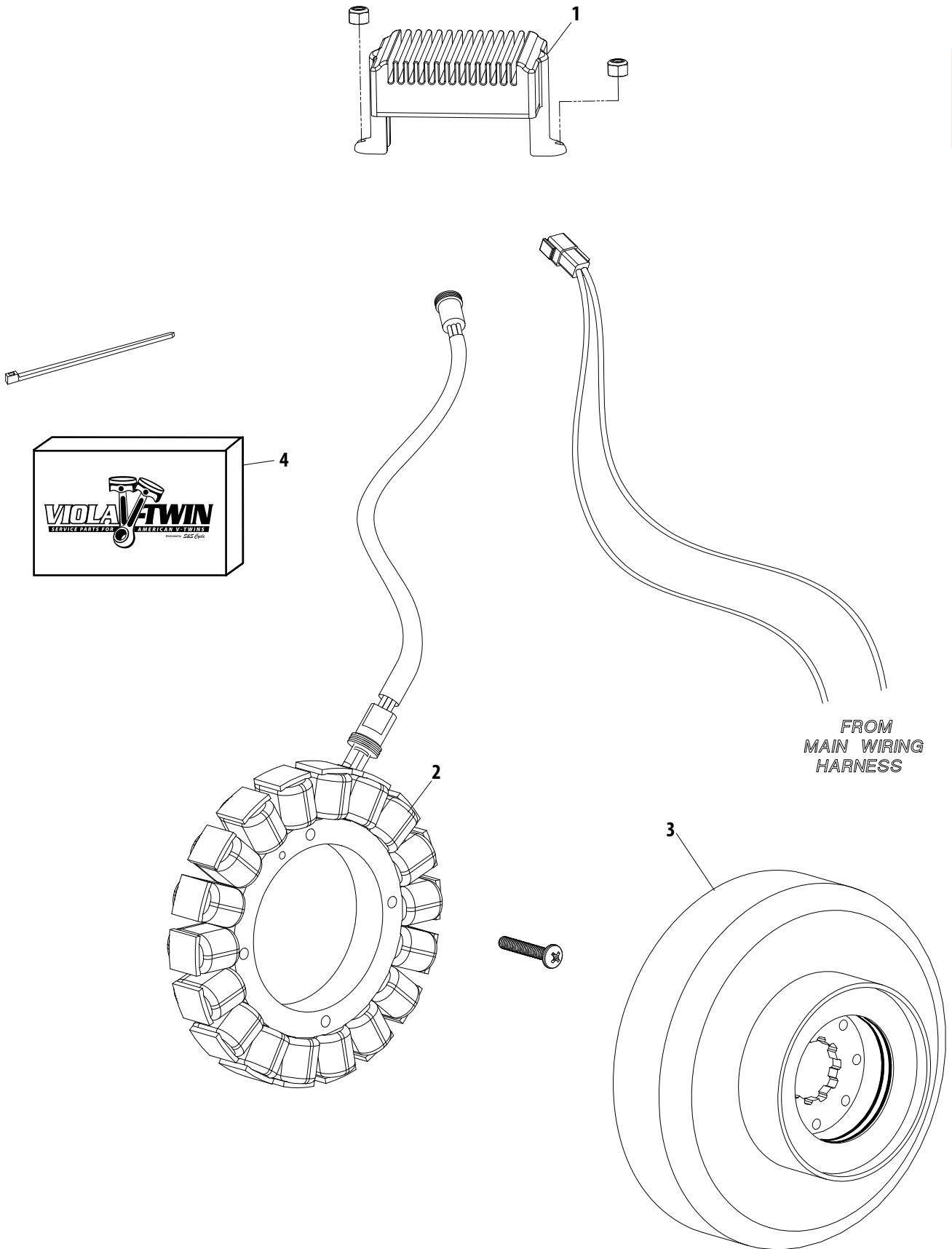
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#	Description	H-D Part No.	VVT Part No.
1	2006-'07 Dyna Regulator	74631-06	550-0349
	2008-'13 Dyna Regulator	74631-08	550-0350
	2006-'08 FLH, FLT Regulator	74505-06	550-0351
	2007 Softail Regulator	74540-07	550-0346
2	2008-'13 Softail Regulator	74540-08	550-0347
	Stator 2007 Softail/Dyna 47A	30017-07	550-0354
	Stator 2008-'13 Dyna/Softail 47A	30017-08	550-0355
	Stator 2006-'13 FLH-FLT 50A	29987-06A	550-0356

NOT DIRECT SERVICE PARTS (SOLD AS ASSEMBLIES) Note: These products are compatible services as assemblies.

#	Description	VVT Part No.
1	2009-'11 Regulator FLH,FLT w/o Oil Cooler	550-0352
	2009-'13 Regulator FLH, FLT w/Low Oil Cooler	550-0353
4	Complete Charging System 2006-'07 Dyna	550-0285
	Complete Charging System 2008-'11 Dyna	550-0294
	Complete Charging System 2012-'13 Dyna	550-0296
	Complete Charging System 2007-'08 FLH-FLT	550-0289
	Complete Charging System 2009-'10 FLH-FLT w/o Oil Cooler	550-0290
	Complete Charging System 2009-'10 FLH-FLT w/Oil Cooler	550-0291
	Complete Charging System 2011-'13 FLH-FLT	550-0292
	Complete Charging System 2007 Softail	550-0286
	Complete Charging System 2008-'11 Softail	550-0295
	Complete Charging System 2012-'13 Softail	550-0297

Harley-Davidson® Twin Cam 96™ & 103™ Models



Parts for
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2007-2015

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1999-2006 HARLEY-DAVIDSON BIG TWINS

COMPLETE JOB KITS — everything you need to do the job

Parts for
Twin Cam 96"/103"
2007-2015

Parts for
Twin Cam 88"
1999-2006

Parts for
Evolution®
1984-1999

Parts for
Sportster®
1986-2015

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TOP END REBUILD		Contains	VVT Part No.
Top End Rebuild 3.750" Bore Re-Ring Only 05-11 bt			900-0636
contains	Gasket, Kit, Top End, w/Hat Style Valve Stem Seal	900-0572	
	Rings, 3.750" Bore Stock H-D Pistons	940-0022	
Top End Rebuild 3.8750" Bore Re-Ring Only 05-14 bt			900-0637
contains	Gasket, Kit, Top End, w/Hat Style Valve Stem Seal	900-0573	
	Rings, 3.875" Bore Stock hd pistons	940-0023	
Top End Rebuild 3.875" Bore 05-06 Touring, Softail, 05 Dyna			900-0640
contains	Gasket, Kit, Top End, w/Hat Style Valve Stem Seal	900-0572	
	Piston, Set, 3-7/8", Standard, w/Wristpin & Keepers, Wiseco, .927" Wp, 9:1 CR, 1999-'06 bt	920-0095	
Top End Rebuild 3.875" Bore +.005" 05-06 Touring, Softail, 05 Dyna			900-0641
contains	Gasket, Kit, Top End, w/Hat Style Valve Stem Seal	900-0572	
	Piston, Set, 3-7/8", +.010", w/Wristpin & Keepers, Wiseco, .927" Wp, 9:1 CR, 1999-'06 bt	920-0096	
Top End Rebuild 3.875" Bore +.010" 05-06 Touring, Softail, 05 Dyna			900-0642
contains	Gasket, Kit, Top End, w/Hat Style Valve Stem Seal	900-0572	
	Piston, Set, 3-7/8", +.010", w/Wristpin & Keepers, Wiseco, .927" Wp, 9:1 CR, 1999-'06 bt	920-0097	
Top End Rebuild 3.750" Bore 99-06 Touring, Softail, 99-05 Dyna			900-0643
contains	Gasket, Kit, Top End, 3-3/4" Bore, 1999-'06 Softail, Touring, 1999-'05 Dyna	900-0574	
	Rings, 3.750" Bore Stock H-D Pistons	940-0023	
Top End Rebuild 3.875" Bore 99-06 Touring, Softail, 99-05 Dyna			900-0644
contains	Gasket, Kit, Top End, 3-7/8" Bore, 1999-'06 Softail, Touring, 1999-'05 Dyna	900-0575	
	Rings, 3.875" Bore Stock H-D Pistons	940-0024	
Top End Rebuild 3.875" Bore 99-06 Touring, Softail, 99-05 Dyna			900-0645
contains	Gasket, Kit, Top End, 3-7/8" Bore, 1999-'06 Softail, Touring, 1999-'05 Dyna	900-0575	
	Piston, Set, 3-7/8", Standard, w/Wristpin & Keepers, Wiseco, .927" Wp, 9:1 CR, 1999-'06 bt	920-0095	
Top End Rebuild 3.875" +.005" Bore 99-06 Touring, Softail, 99-05 Dyna			900-0646
contains	Gasket, Kit, Top End, 3-7/8" Bore, 1999-'06 Softail, Touring, 1999-'05 Dyna	900-0575	
	Piston, Set, 3-7/8", +.005", w/Wristpin & Keepers, Wiseco, .927" Wp, 9:1 CR, 1999-'06 bt	920-0096	
Top End Rebuild 3.875" +.010" Bore 99-06 Touring, Softail, 99-05 Dyna			900-0647
contains	Gasket, Kit, Top End, 3-7/8" Bore, 1999-'06 Softail, Touring, 1999-'05 Dyna	900-0575	
	Piston, Set, 3-7/8", +.010", w/Wristpin & Keepers, Wiseco, .927" Wp, 9:1 CR, 1999-'06 bt	920-0097	
COMPLETE ENGINE OVERHAUL		Contains	VVT Part No.
Complete Engine Overhaul, 3.750" Bore 99-06 Fl			310-0453
contains	Gasket, Kit, Engine, Complete, 3-3/4" Bore	310-0412	
	Hardware Kit;Crankcase;Stator Bolts;1999-Up bt	31-0113	
contains	Bearing, Assembly, Inner Cam, Needle, 99-06 bt except 06 Dyna (2)	31-4080	
Complete Engine Overhaul, 3.750" Bore 00-06 Softail, 99-05 Dyna			310-0454
contains	Gasket, Kit, Engine, Complete, 3-3/4" Bore	310-0411	
	Bearing, Assembly, Inner Cam, Needle, 99-06 bt except 06 Dyna (2)	31-4080	
contains	Hardware Kit;Crankcase;Stator Bolts;1999-Up bt	31-0113	
Complete Engine Overhaul, 3.875" Bore 99-06 bt, 99-05 Dyna			310-0455
contains	Gasket, Kit, Big Bore Kit, .040", 3-7/8"	310-0439	
	Bearing, Assembly, Inner Cam, Needle, 99-06 bt except 06 Dyna (2)	31-4080	
contains	Hardware Kit;Crankcase;Stator Bolts;1999-Up bt	31-0113	
	Piston, Set, 3-7/8", Standard, w/Wristpin & Keepers, Wiseco, .927" Wp, 9:1 CR, 1999-'06 bt	920-0095	
Complete Engine Overhaul, 3.875" +.005" Bore 99-06 bt, 99-05 Dyna			310-0456
contains	Gasket, Kit, Big Bore Kit, .040", 3-7/8"	310-0439	
	Bearing, Assembly, Inner Cam, Needle, 99-06 bt except 06 Dyna (2)	31-4080	
contains	Hardware Kit;Crankcase;Stator Bolts;1999-Up bt	31-0113	
	Piston, Set, 3-7/8", +.005", w/Wristpin & Keepers, Wiseco, .927" Wp, 9:1 CR, 1999-'06 bt	920-0096	

contains	Complete Engine Overhaul, 3.875" +.010" Bore 99-06tc, 99-05 Dyna	310-0457
	Gasket, Kit, Big Bore Kit, .040", 3-7/8"	310-0439
	Bearing, Assembly, Inner Cam, Needle, 99-06 bt except 06 Dyna (2)	31-4080
	Hardware Kit;Crankcase;Stator Bolts;1999-Up bt	31-0113
contains	Piston, Set, 3-7/8", +.010", w/Wristpin & Keepers, Wiseco, .927" Wp, 9:1 CR, 1999-'06 bt	920-0097
Complete Engine Overhaul, 3.875" Bore 06 Dyna		310-0458
contains	Gasket, Kit, Engine, Complete, 3-7/8" Bore	310-0408
	Bearing, Inner Cam, 06 Dyna	31-4199-S
	Hardware Kit;Crankcase;Stator Bolts;1999-Up bt	31-0113
	Piston, Set, 3-7/8", Standard, w/Wristpin & Keepers, Wiseco, .927" Wp, 9:1 CR, 1999-'06 bt	920-0095
Complete Engine Overhaul, 3.875" +.005" Bore 06 Dyna		310-0459
contains	Gasket, Kit, Engine, Complete, 3-7/8" Bore	310-0408
	Bearing, Inner Cam, 06 Dyna	31-4199-S
	Hardware Kit;Crankcase;Stator Bolts;1999-Up bt	31-0113
	Piston, Set, 3-7/8", +.005", w/Wristpin & Keepers, Wiseco, .927" Wp, 9:1 CR, 1999-'06 bt	920-0096
Complete Engine Overhaul, 3.875" +.010" Bore 06 Dyna		310-0460
contains	Gasket, Kit, Engine, Complete, 3-7/8" Bore	310-0408
	Bearing, Inner Cam, 06 Dyna	31-4199-S
	Hardware Kit;Crankcase;Stator Bolts;1999-Up bt	31-0113
	Piston, Set, 3-7/8", +.010", w/Wristpin & Keepers, Wiseco, .927" Wp, 9:1 CR, 1999-'06 bt	920-0097
CAM SERVICE		Contains
Cam Service w/Stock Grind Cams 99-06 bt, 99-05 Dyna		330-0309
contains	Camshaft Set, Chain Drive 99-06 bt except 06 Dyna	330-0296
	Installation Kit,Cam,Chain Drive,99-06 bt except Dyna	33-5175
	Tappet,Set,Hydraulic,99-Up bt,00-Up xl	33-5350
	Gasket;Set;Tappet Cover;1999-Up bt	33-5303-2
contains	Pushrod,Kit,Quicke,Hydraulic Tappets w/Keepers, 1999-up bt	106-6051
Cam Service, Cams Not Included 99-06 bt, 99-05 Dyna		330-0310
contains	Installation Kit,Cam,Chain Drive,99-06 bt except Dyna	33-5175
	Tappet,Set,Hydraulic,99-Up bt,00-Up xl	33-5350
	Gasket;Set;Tappet Cover;1999-Up bt	33-5303-2
	Pushrod,Kit,Quicke,Hydraulic Tappets w/Keepers 1999-up bt	106-6051
CAM CHAIN TENSIONER SERVICE		Contains
Cam Chain Tensioner Service 99-06 bt, 99-05 Dyna w/Quicke Pushrods		330-0311
contains	Guide, Chain, 1999-'06 bt	330-0286
	Tensioner, Cam Chain, Primary, 1999-'06 bt except '06 Dyna	330-0287
	Tensioner, Cam Chain, Secondary, 1999-'06 bt except '06 Dyna	330-0285
	Gasket, Exhaust, Tapered, Stainless Steel, '84-15 bt/xl (2)	106-5029
	Retaining Ring (2)	560-0098
	O-Ring, (-110), .375" Id x .562" OD, Viton (2)	50-8066-S
contains	Gasket, Gearcover, Black, Paper, 99-Up bt	31-2032-S
	Pushrod, Kit, Quicke, Hydraulic Tappet, w/Keepers 1999-up bt	106-6051
Cam Chain Tensioner Service 99-06 bt, 99-05 Dyna		330-0312
contains	Guide, Chain, 1999-'06 bt	330-0286
	Tensioner, Cam Chain, Primary, 1999-'06 bt except '06 Dyna	330-0287
	Gasket, Exhaust, Tapered, Stainless Steel, '84-15 bt/xl (2)	106-5029
	Tensioner, Cam Chain, Secondary, 1999-'06 bt except '06 Dyna	330-0285
	Retaining Ring (2)	560-0098
	O-Ring, (-110), .375" Id x .562" OD, Viton	50-8066-S
contains	Gasket, Gearcover, Black, Paper, 99-Up bt	31-2032-S
LIFTER SERVICE		Contains
Lifter Service w/ Pushrods 99-Up bt		330-0307
contains	Tappet,Set,Hydraulic,99-Up bt,00-Up xl	33-5350
	Gasket;Set;Tappet Cover;1999-Up bt	33-5303-2
	Pushrod,Kit,Quicke,Hydraulic Tappet, w/Keepers 1999-up bt	106-6051
Lifter Service w/Stock Pushrods 99-Up, bt		330-0308
contains	Tappet,Set,Hydraulic,99-Up bt,00-Up xl	33-5350
	Gasket;Set;Tappet Cover;1999-Up bt	33-5303-2
	Gasket,Kit,Rocker Cover,Stock,1999-Up bt	900-0534
	O-Ring;Kit;Pushrod Cover;1984-'99 bt; 1984-Up bt	93-4022

Harley-Davidson® Twin Cam 88® Models

ENGINE CHANGE		Contains	VWT Part No.
Engine Change 94-06 Touring,			310-0461
contains	Gasket, Exhaust, Tapered, Stainless Steel, 84-15 bt/xl (2)	106-5029	
	Seal, Intake, Stock Heads, 84-Up bt, 86-Up xl (2)	16-0236	
	Hardware Kit; Crankcase; Stator Bolts; 1999-up bt	31-0113	
	Gasket, Throttle Body, TBW, 08-Up Touring, 09-Up	106-2643	
	Gasket, Kit, Primary, Rebuild, 1994-2006 FLT	560-0040	
Engine Change 94-06 Softail, 94-05 Dyna			310-0462
contains	Gasket, Exhaust, Tapered, Stainless Steel, 84-15 bt/xl (2)	106-5029	
	Seal, Intake, Stock Heads, 84-Up bt, 86-Up xl (2)	16-0236	
	Hardware Kit; Crankcase; Stator Bolts; 1999-Up bt	31-0113	
	Gasket, Throttle Body, TBW, 08-Up Touring, 09-Up	106-2643	
	Gasket, Kit, Primary, Rebuild, 1994-2006 Softail, Dyna	560-0039	
REPLACE MAIN SEAL		Contains	VWT Part No.
Replace Main Seal 99-06 Touring			310-0463
contains	Gasket, Out, Primary Cover, 1994-2006 FLT, FXR	560-0053	
	Gasket, Derby Cover, 5 Hole, (Replaces O-Ring)	560-0074	
	Seal, Left, Main Bearing, Pkg, 99-Up bt	31-4035	
Replace Main Seal 00-06 Softail, 99-05 Dyna			310-0464
contains	Gasket, Out, Primary Cover, 1989-'06 Softail, '99-'05 Dyna	560-0056	
	Gasket, Derby Cover, 5 Hole, (Replaces O-Ring)	560-0074	
	Seal, Left, Main Bearing, 1999-Up bt	31-4035	
REPLACE CHARGING SYSTEM		Contains	VWT Part No.
Replace Charging System 06 Touring			550-0441
contains	Charging System, Complete, 2006 FLH, FLT	550-0288	
	Gasket, Out, Primary Cover, 1994-2006 FLT, FXR	560-0053	
	Gasket, Derby Cover, 5 Hole, (Replaces O-Ring)	560-0074	
Replace Charging System 04-05 Touring			550-0442
contains	Charging System, Complete, 2004-2005 FLH	550-0287	
	Gasket, Out, Primary Cover, 1994-2006 FLT, FXR	560-0053	
	Gasket, Derby Cover, 5 Hole, (Replaces O-Ring)	560-0074	
Replace Charging System 99-03 Touring			550-0443
contains	Charging System, Complete, 1999-2003 FLH	550-0293	
	Gasket, Out, Primary Cover, 1994-2006 FLT, FXR	560-0053	
	Gasket, Derby Cover, 5 Hole, (Replaces O-Ring)	560-0074	
Replace Charging System 04-05 Dyna			550-0444
contains	Charging System, Complete, 2004-2005 Dyna	550-0308	
	Gasket, Out, Primary Cover, 1989-'06 Softail, 1999-'05 Dyna	560-0056	
	Gasket, Derby Cover, 5 Hole, (Replaces O-Ring)	560-0074	
Replace Charging System 99-03 Dyna			550-0445
contains	Charging System, Complete, 2004-2005 Dyna	550-0308	
	Gasket, Out, Primary Cover, 1989-'06 Softail, 1999-'05 Dyna	560-0056	
	Gasket, Derby Cover, 5 Hole, (Replaces O-Ring)	560-0074	
Replace Charging System 01-06 Softail			550-0446
contains	Charging System, Complete, 2001-2006 Softail	550-0312	
	Gasket, Out, Primary Cover, 1989-'06 Softail, 1999 Dyna	560-0056	
	Gasket, Derby Cover, 5 Hole, (Replaces O-Ring)	560-0074	
Replace Charging System 00 Softail			550-0447
contains	Charging System, Complete, 2000 Softail	550-0309	
	Gasket, Out, Primary Cover, 1989-'06 Softail, 1999-'05 Dyna	560-0056	
	Gasket, Derby Cover, 5 Hole, (Replaces O-Ring)	560-0074	
REPLACE STARTER		Contains	VWT Part No.
Replace Starter, Black Touring 99-06			550-0448
contains	Starter, 1.4Kw, Black, 94-06 bt	550-0276	
	Gasket, Out, Primary Cover, 1994-2006 FLT, FXR	560-0053	
	Gasket, Derby Cover, 5 Hole, (Replaces O-Ring)	560-0074	
	Gasket, Exhaust, Tapered, Stainless Steel, 84-'15 bt/xl	106-5029	
Replace Starter, Chrome, Touring 99-06			550-0449
contains	Starter, 1.4Kw, Chrome, 94-06 bt	550-0277	
	Gasket, Out, Primary Cover, 1994-2006 FLT, FXR	560-0053	
	Gasket, Derby Cover, 5 Hole, (Replaces O-Ring)	560-0074	
	Gasket, Exhaust, Tapered, Stainless Steel, 84-'15 bt/xl	106-5029	
Replace Starter, Black Softail 00-06, Dyna 99-05			550-0450
contains	Starter, 1.4Kw, Black, 94-06 bt	550-0276	
	Gasket, Derby Cover, 5 Hole, (Replaces O-Ring)	560-0074	
	Gasket, Exhaust, Tapered, Stainless Steel, 84-'15 bt/xl	106-5029	
	Gasket, Out, Primary Cover, 1989-'06 Softail, 1999-'05 Dyna	560-0056	
Replace Starter, Chrome, Softail 00-06, Dyna 99-05			550-0451
contains	Starter, Mtr, 1.4Kw, Chrome, 94-06 bt	550-0277	
	Gasket, Derby Cover, 5 Hole, (Replaces O-Ring)	560-0074	
	Gasket, Exhaust, Tapered, Stainless Steel, 84-'15 bt/xl	106-5029	
	Gasket, Out, Primary Cover, 1989-'06 Softail, 1999-'05 Dyna	560-0056	

REPLACE STARTER CLUTCH		Contains	VWT Part No.
Replace Starter Clutch 99-06 Touring			550-0452
contains	Gasket, Out, Primary Cover, 1994-2006 FLT, FXR	560-0053	
	Gasket, Derby Cover, 5 Hole, (Replaces O-Ring)	560-0074	
	Starter Clutch, w/Bearing, 1991-2006 bt	550-0371	
	Gasket, Exhaust, Tapered, Stainless Steel, 84-'15 bt/xl	106-5029	
Replace Starter Clutch 00-06 Softail, 99-05 Dyna			550-0453
contains	Starter Clutch, w/Bearing, 1991-2006 bt	550-0371	
	Gasket, Derby Cover, 5 Hole, (Replaces O-Ring)	560-0074	
	Gasket, Out, Primary Cover, 1989-'06 Softail, 1999-'05 Dyna	560-0056	
	Gasket, Exhaust, Tapered, Stainless Steel, 84-'15 bt/xl	106-5029	
CLUTCH SERVICE			
Clutch Service 98-05 Touring			560-0151
contains	Gasket, Out, Primary Cover, 1994-2006 FLT, FXR	560-0053	
	Gasket, Derby Cover, 5 Hole, (Replaces O-Ring)	560-0074	
	Plate, Set, Friction, 1998-Up bt	560-0128	
	Plate, Set, Clutch Steels, 1998-Up bt	560-0129	
Clutch Service 98-05 Dyna, 94-06 Softail			560-0152
contains	Gasket, Derby Cover, 5 Hole, (Replaces O-Ring)	560-0074	
	Gasket, Out, Primary Cover, 1989-'06 Softail, 1999-'05 Dyna	560-0056	
	Plate, Set, Friction, 1998-Up bt	560-0128	
	Plate, Set, Clutch Steels, 1998-Up bt	560-0129	
Clutch Service 94-97 Touring			560-0153
contains	Gasket, Out, Primary Cover, 1994-2006 FLT, FXR	560-0053	
	Gasket, Derby Cover, 5 Hole, (Replaces O-Ring)	560-0074	
	Plate, Set, Friction, 1990-'97 bt, 1991-Up xl	560-0126	
	Plate, Set, Clutch Steels, 1990-'97 bt, 1991-Up xl	560-0127	
Clutch Service 94-97 Dyna, 94-97 Softail			560-0154
contains	Gasket, Derby Cover, 5 Hole, (Replaces O-Ring)	560-0074	
	Gasket, Out, Primary Cover, 1989-'06 Softail, 1999-'05 Dyna	560-0056	
	Plate, Set, Friction, 1990-'97 bt, 1991-Up xl	560-0126	
	Plate, Set, Clutch Steels, 1990-'97 bt, 1991-Up xl	560-0127	
PRIMARY CASE SERVICE		Contains	VWT Part No.
Primary Case Service 94-06 Touring			560-0155
	Gasket, Kit, Primary, Rebuild, 1994-2006 FLT, FXR	560-0040	
Primary Case Service 94-05 Dyna, 04-06 Softail			560-0156
	Gasket, Kit, Primary, Rebuild, 1994-2006 FXST, 1994-'05 Dyna	560-0039	

GASKET KITS

Description	OEM Part No.	VWT Part No.
Gasket, Kit, Top End, w/ Hat Style Valve Stem Seal		900-0572
Gasket, Kit, Top End, w/ Hat Style Valve Stem Seal, 3-7/8" Bore, 2005-up bt	17045-99C	900-0573
Gasket Kit, Top End, 3.750" Bore 1999-'04 bt	17052-99	900-0574
Gasket Kit, Top End, 3.875" Bore 1999-'04 bt	17052-99S	900-0575
Gasket Kit, Complete, 3.750" Bore 1999-'06 FL		310-0412
Gasket Kit, Complete, 3.750" Bore 2000-'06 Softail 1999-'05 Dyna		310-0411
Gasket Kit, Complete, 3.875" Bore 1999-'05 Dyna, 1999-'06 Bt		310-0439

LUBRICANTS

Description	VWT Part No.
S&S 20w50 Premium Synthetic Engine Oil	310-0285
S&S 20w50 Heavy Duty Engine Oil	310-0287
S&S Petroleum 25w60 Engine Oil	310-0289
S&S 75w140 Premium Synthetic Transmission Oil	310-0292
S&S 85w140 Heavy Duty Transmission Oil	310-0291
S&S 85w Extreme Duty Primary Oil	310-0290

OIL FILTERS

Description	OEM Part No.	VWT Part No.
1999-2015 Twin Cam Oil Filter black <i>each</i>	63731-99A	31-4103
1999-2015 Twin Cam Oil Filter black <i>12 pack</i>		310-0241
1999-2015 Twin Cam Oil Filter chrome <i>each</i>	63798-99A	31-4104
1999-2015 Twin Cam Oil Filter chrome <i>12 pack</i>		310-0242

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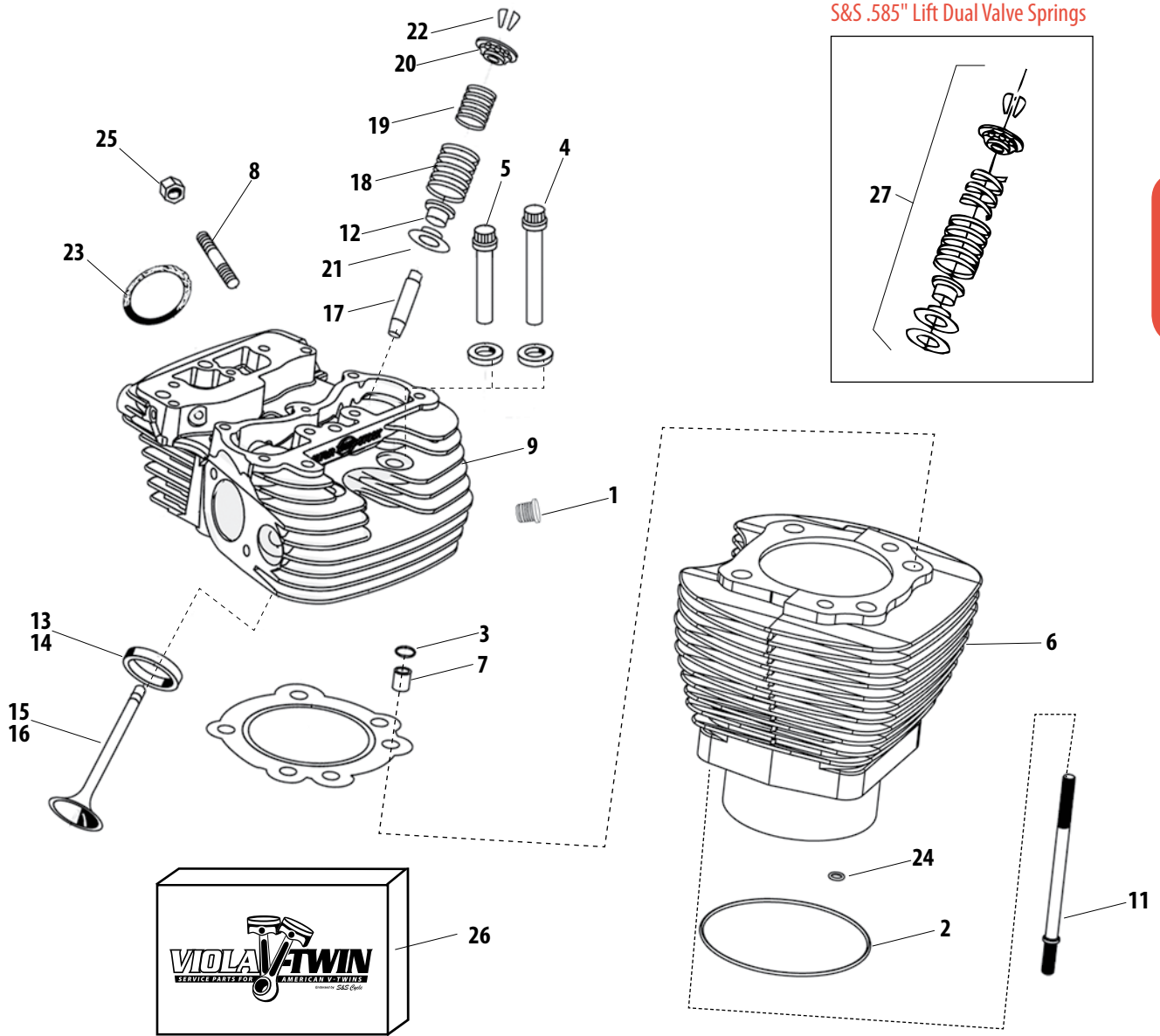
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#	Description	H-D Part No.	VVT Part No.
1	Screw (plugs temperature sensor hole on carbureted vehicles)	4175	—
2	O-ring,(-155),3.987" ID x 4.193" OD,Viton (2) <i>each</i>	11256	50-8048
3	O-ring,(-014),.500" ID x .625" OD,Nitrile,10 Pack <i>10 Pack</i>	11140, 11273	50-8130
4	Head Bolt,w/ Washer,12 pt,3/8-16 x 3.384" x .950" TD (4) <i>each</i> Also available in the Head Bolt Kit, see chart	16478-85A	—
5	Head Bolt,w/ Washer,12 pt,3/8-16 x 2.170" x .950" TD (4) <i>each</i> Also available in the Head Bolt Kit, see chart	16480-92	—
6	Cylinder Assembly, w/piston, rings, piston pin & retaining rings (silver) (2) See chart for compatible Cylinder Set	16525-99	—
	Cylinder Assembly, w/piston, rings, piston pin & retaining rings (black) (2) See chart for compatible Cylinder Set	16526-99	—
7	Pin,Dowel,.437" x .610",Steel, cylinder to head (4) <i>each</i>	16595-99A	50-8177
	Pin,Dowel,1999-up bt,4 Pack		50-8177-4
8	Stud,Exhaust Port,5/16-18, 5/16-24 x 1.910",Zinc,Steel (4) <i>each</i>	16715-83	50-0493
	Stud,Cylinder Base,3/8-16 UNC x 6.070",Black,Steel,1999-up bt,8 Pack		31-2340
9	Cylinder Head, front w/guides & seats (silver)	16716-99	—
	Cylinder Head, rear w/guides & seats (silver)	16717-99	—
	Cylinder Head, front w/guides & seats (black)	16722-99	—
	Cylinder Head, rear w/guides & seats (black)	16724-99	—
10	Gasket, cylinder head, 88", 3 3/4" bore (2) See chart for compatible Cylinder Head Gasket	16775-99	—
	Gasket, cylinder head, 95", 3 7/8" bore (2) See chart for compatible Cylinder Head Gasket	16787-99A	—
11	Stud,Cylinder Base,3/8-16 UNC x 6.070",Black,Steel <i>each</i>	16715-83	31-2325-S
	Stud,Cylinder Base,3/8-16 UNC x 6.070",Black,Steel,1999-up bt,8 Pack		31-2340
12	Seal,Valve Guide,1984-up bt, 1986-2003 xl (4) <i>each</i>	18001-83B	90-2008
	Seal, Valve Guide, 1984-'04 bt (4) 8 Pack		90-2158
	Seal, Valve Guide, 2005-up bt Tophat Style 25 pack	18094-02	900-0590
13	Insert, Exhaust Valve Seat (2)	18011-86	—
	Insert, Exhaust Valve Seat, +.005 O.S. (2)	18124-83	—
14	Insert, Intake Valve Seat (2)	18020-83	—
	Insert, Intake Valve Seat, +.005 O.S. (2)	18134-83	—
15	Intake Valve (2), 99-04 bt	18074-83A	900-0750
	Intake Valve, 7mm, 05-up bt oem	18074-05A	900-0752
16	Exhaust Valve (2) 99-04 bt	18082-83, 18085-99	900-0785
	Exhaust valve, 7mm, 05-up bt oem	18085-05B, 18085-05A	900-0753
17	Valve Guide,Intake/Exhaust,Standard,Cast Iron,1984-up 04, 1986-2003 xl(4)	18112-92	90-2210
	Valve Guide,Intake/Exhaust,+.001",Cast Iron,1984-up 04, 1986-2003 xl(4)	18130-83C	90-2211
	Valve Guide,Intake/Exhaust,+.003",Cast Iron,1984-up 04, 1986-2003 xl(4)	18131-83C	90-2213
	Valve Guide,Intake/Exhaust,+.002",Cast Iron,1984-up 04, 1986-2003 xl(4)	18133-83A, 18133-83D	90-2212
	Valve Guide, intake/exhaust, +.001" 05-up bt	—	900-0786
	Valve Guide, intake/exhaust, +.002" 05-up bt	—	900-0787
	Valve Guide, intake/exhaust, +.010" 05-up bt	—	900-0788
18	Valve Spring, Outer (4) See chart #27 for complete Valve Spring kit	18201-83	—
19	Valve Spring, Inner (4) See chart #27 for complete Valve Spring kit	18202-83	—
20	Collar, Valve Spring, Upper (4) See chart #27 for complete Valve Spring kit	18219-83	—
21	Collar, Valve Spring, Lower (4) See chart #27 for complete Valve Spring kit	18222-83A	—
22	Retainer, Valve Collar (8) See chart #27 for complete Valve Spring kit	18229-83	—
23	Gasket, Exhaust, Tapered, Stainless Steel, 1984-up bt,1986-up xl(2)	65324-83A, 65324-83B	106-5029
24	O-ring,(-013),.437" ID x .565" OD,Viton, <i>each</i>	11105, 11273	50-8008
	O-ring,Oil Return,(-013),.437" ID x .565" OD,Viton,10 Pack		50-8078
25	Nut,HSFH,5/16-24 UNF-2B x .283",Zinc,Steel <i>each</i>		50-5025-S
	Nut,HSFH,5/16-24 UNF-2B x .283",Zinc,Steel,2 Pack	7593	50-5025-2
	Nut,HSFH,5/16-24 UNF-2B x .283",Zinc,Steel,5 Pack		50-1001
26	Gasket Kit, Top End, 3.750" Bore, 1999-2004 bt	17052-99	900-0574
	Gasket Kit, Top End, 3.875" Bore, 1999-2004 bt	17052-99S	900-0575
	Gasket Kit, Top End, 3.750" Bore w/Hat Style Valve Stem Seal 2005-Up Bt	17045-99C	900-0572
	Gasket Kit, Top End, 3.875" Bore w/Hat Style Valve Stem Seal 2005-Up Bt		900-0573
	Gasket Kit, Complete, 3.750" Bore 1999-2006 FL	—	310-0412
	Gasket Kit, Complete, 3.750" Bore 1999-2006 Softail, 1999-2005 Dyna	—	310-0411

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S&S .585" Lift Dual Valve Springs

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NOT DIRECT SERVICE PARTS (SOLD AS ASSEMBLIES) <i>Note: These products are compatible services as assemblies.</i>		
#	Description	VVT Part No.
4, 5	Head Bolt, Kit, Stock Heads, 12 pt, 1999-2015 bt	93-3014
	Head Bolt,w/ Washer,12 pt,3/8-16 x 3.384" x .950" TD	93-3030
	Head Bolt,w/ Washer,12 pt,3/8-16 x 2.170" x .950" TD	93-3031
6	Cylinder, Set, 3-7/8" Bore, 4.937", Silver, 1999-up bt,11 Fin for 95" or 103", Silver	910-0207
	Cylinder, Set, 3-7/8" Bore, 4.937", WBlack,1999-up bt, 11 Fin for 95" or 103", Black	910-0208
10	Gasket, Head, Stock pattern 3.750" bore, graphite. 1999-up bt <i>each</i>	93-1045-5
	Gasket,Head,Stock Pattern,.045",3.940",Layer Steel,1999-up bt <i>each</i>	106-3714
	Gasket,Head,Stock Pattern,.045",3.940",Layer Steel,1999-up bt <i>10 Pack</i>	900-0218
12	Seal, Valve Guide, 2005-2012 bt*(Does not have or work with integral bottom collar) <i>each</i>	106-5688
27	Spring, Kit, Valve, .585", Steel, (5/16" valve stem), 1999-2004 bt	900-0593
	Spring, Kit, Valve, .585", Steel, (7mm valve stem), 2005-2015 bt	900-0420

*Not legal for sale or use on CA or EPA pollution controlled vehicles.

Note: VVT parts cross referenced to stock OEM parts are functionally identical, but may differ slightly in appearance. Line drawings are a typical representation and may not be an exact match. Please confirm the required stock part number for intended application before ordering. All reference to H-D® part numbers are for identification purposes only. We are in no way implying that any of the VVT products are original equipment parts or that they are equivalent to the corresponding H-D part number shown.



ROCKER ARM ASSEMBLY AND PUSHRODS FOR 1999-2006 HARLEY-DAVIDSON BIG TWINS

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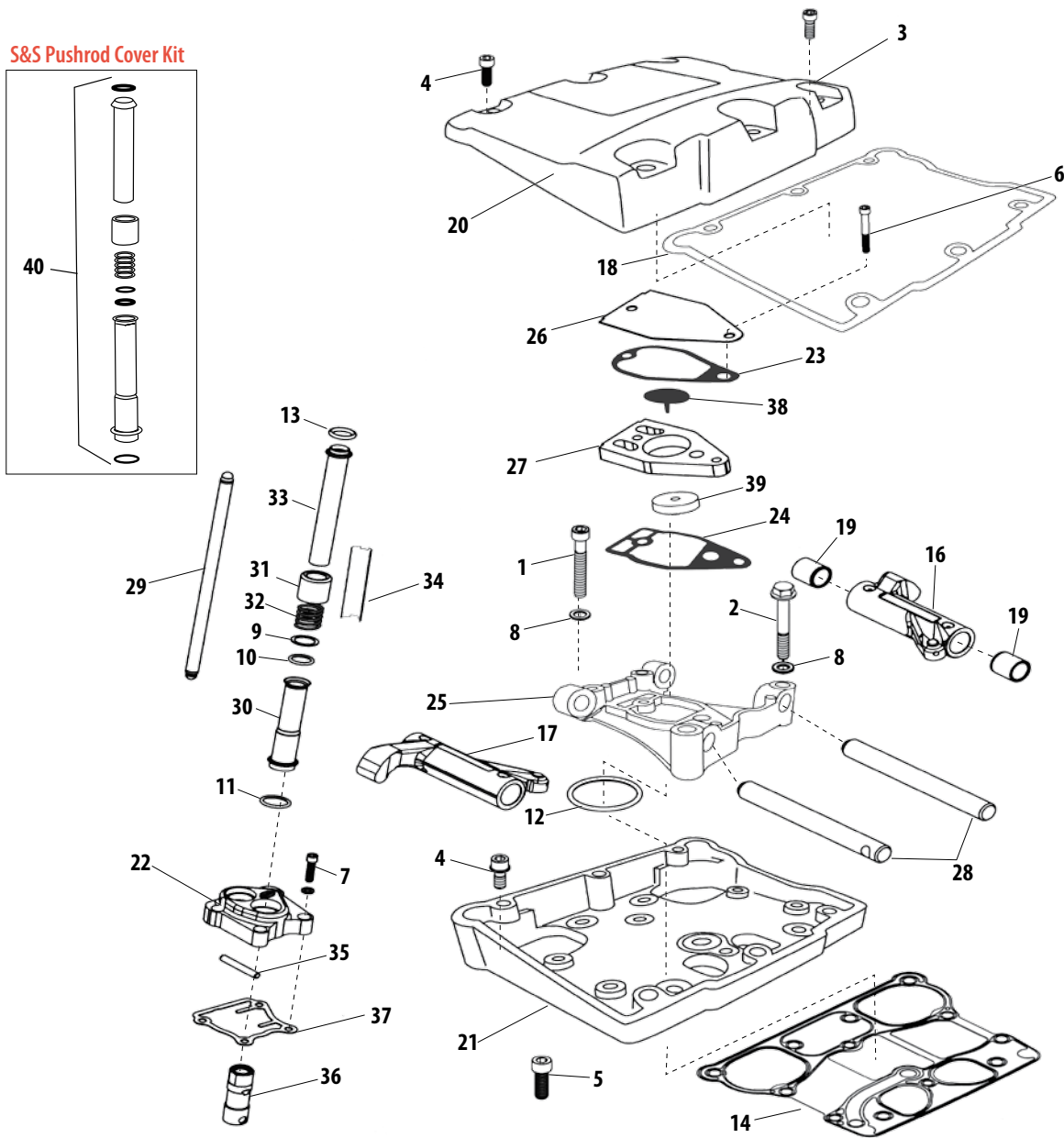
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#	Description	H-D Part No.	VVT Part No.
1	Bolt, 5/16-18 x 2-3/4 hex. hd. (Grade 8 steel) (4)	3500	—
2	Screw, HHC, Flanged, 5/16-18 x 2-1/2", Zinc, Steel (4)	3501	50-0123
3	Screw, 5/16-18 x 1.0 hex hd., w/lockpatch (6)	3692A	500-0318
4	Screw, 5/16-18 x 1-3/4 hex hd., w/lockpatch (10)	3693A	500-0319
5	Screw, 5/16-18 x 1-1/4 hex flange w/lockpatch (8)	3736A	—
6	Screw, 1/4-20 x 2-1/4 hex head flange (grade 8) (4)	3746	—
7	Screw, SHCS, w/ Flat Washer, 1/4-20 x 1", Zinc, ASTM A574-92A <i>each</i>	4741A	50-0092-S
	Screw, SHCS, w/ Flat Washer, 1/4-20 x 1", Zinc, ASTM A574-92A, 4 Pack		50-0092P
8	Washer, 11/32 x 11/16 x 1/16 (8)	6016	—
9	Washer, Flat, .715" x .950" x .031", Steel (4) <i>each</i>	6762B	50-7131
10	O-ring, Middle, Pushrod Cover, (-115), .687" ID x .875" OD, Black, Nitrile, 10 Pack <i>See chart for complete O-ring Kit</i>	11132A	50-8038
11	O-ring, Bottom, Pushrod Cover, (-118), .875" ID x 1.062" OD, Viton, 10 Pack (4) <i>each</i>	11145A	50-8037
12	O-ring, (-114), .625" ID x .812" OD, Black, Viton (2) <i>Also available in the Gasket Kit, see chart. See chart for complete O-ring Kit</i>	11270	50-8033
13	O-ring, (-209), .687" ID x .937" OD, Viton (4) <i>each</i>	11293, 11157, 11101, 11190	50-8039
14	Gasket, Bottom, Rocker Cover, 4-1/8" 1984-'99 bt, 1999-up bt (2) <i>each Also available in the Gasket Kit, see chart</i>	16719-99B	90-4071-S
	Gasket, Bottom, Rocker Cover, Graphite, 4-1/8" 1984-'99 bt, 1999-up bt, 2 Pack <i>Also available in the Gasket Kit, see chart</i>		90-4071
	Gasket, Bottom, Rocker Cover, Graphite, 4-1/8" 1984-'99 bt, 1999-up bt, 10 Pack <i>Also available in the Gasket Kit, see chart</i>		90-4099
16	Rocker Arm, Assembly, RE/FI, Non-Roller, 1.625:1 Ratio, 8620, 1984-up bt, 1986-2003 xl (2)	17360-83A	900-4119RA
17	Rocker Arm, Assembly, FE/RI, Non-Roller, 1.625:1 Ratio, 8620, 1984-up bt, 1986-2003 xl (2)	17375-83A	900-4119FA
18	Gasket, Rocker Cover, Steel, 1999-up bt (2) <i>each Also available in the Gasket Kit, see chart</i>	17386-99A	90-4096-S
	Gasket, Rocker Cover, Steel, 1999-up bt (2) 2 Pack <i>Also available in the Gasket Kit, see chart</i>		900-0438
19	Bushing, Rocker Arm (8)	17429-91, 17428-57	900-0784
20	Rocker Cover, Chrome (2) <i>See chart for complete Rocker Box Kit</i>	17572-99	—
	Rocker Cover, Polished (2) <i>See chart for complete Rocker Box Kit</i>	17575-99	—
21	Rocker Housing, Chrome (2) <i>See chart for complete Rocker Box Kit</i>	17573-99	—
	Rocker Housing, Polished (2) <i>See chart for complete Rocker Box Kit</i>	17574-99	—
22	Lifter Cover, Front, Polished <i>See chart for complete Tappet Cover Set</i>	17576-99	—
	Lifter Cover, Rear, Polished <i>See chart for complete Tappet Cover Set</i>	17577-99	—
	Lifter Cover, Front, Chrome <i>See chart for complete Tappet Cover Set</i>	17964-99	—
	Lifter Cover, Rear, Chrome <i>See chart for complete Tappet Cover Set</i>	17966-99	—
23	Gasket, Breather Cover, Stock Pattern, Paper, 1999-2010 bt (2) <i>Also available in the Gasket Kit, see chart</i>	17591-99, 17162-03, 17592-99, 17162-03	90-4077
24	Gasket, Breather Baffle, Stock Pattern, Paper, 1999-2010 bt (2) <i>Also available in the Gasket Kit, see chart</i>	17162-03, 17592-99, 17162-03	90-4078
25	Support, Rocker Arm (2) <i>See chart for complete Rocker Box Kit</i>	17594-99	—
26	Cover, Breather (2)	17595-99	—
27	Baffle, Breather (2)	17596-99	—
28	Shaft, Rocker Arm, 1984-up bt (Set includes 4 shafts)	17611-83B	90-4006
29	Pushrod, Exhaust - 10.536" long (black oxide finish) (2) <i>See chart for Adjustable Pushrod Set options</i>	17922-99	—
	Pushrod, Intake - 10.418" long (plain finish) (2) <i>See chart for Adjustable Pushrod Set options</i>	17923-99	—
30	Cover, pushrod - Lower (4) <i>See chart for Pushrod Cover Kit</i>	17939-99	—
31	Cap, Pushrod Cover, 1936-up bt, 1957-'90 xl (4)	17945-36B	93-4017
32	Spring, Pushrod Cover Cap, .080" Wire, .730" x .890" x .925", Steel, 1936-up bt, 1957-'90 xl (4)	17947-36	93-4018
33	Cover, Pushrod - Upper (4) <i>See chart for Pushrod Cover Kit</i>	17948-99	—
34	Retainer, Spring Cap (4) <i>See chart for Pushrod Cover Keeper Set</i>	17968-99	—
35	Pin, Dowel, 1999-up bt, 2 Pack (2) 2 Pack	18535-99	50-8195
36	Tappet, Set, Hydraulic, 1999-up bt, 2000-up xl (4) 4 Pack	18538-99A, 18538-99B, 18538-99C	33-5350
37	Gasket, Tappet Cover, 1999-up bt (2) <i>each</i>	18635-99B	33-5303-S
	Gasket, Set, Tappet Cover, 1999-up bt (2) 2 Pack		33-5303-2
38	Seal, Umbrella Valve Cover, 1999-2013 bt (2)	26858-99	900-0495
39	Filter, Breather, Stock Rocker Box (2)	63815-99	900-0496

Harley-Davidson® Twin Cam 88® Models

S&S Pushrod Cover Kit



NOT DIRECT SERVICE PARTS (SOLD AS ASSEMBLIES) Note: These products are compatible services as assemblies.

#	Description	VVT Part No.
10,12,13	O-ring,Kit,Pushrod Cover,1984-'99 bt, 1986-2003 xl	93-4022
14, 18, 23, 24	Gasket, Kit, Rocker Cover, 1999-up bt (includes gaskets for 2 rocker covers)	900-0534
20, 21, 25	Rocker Box, Kit, Chrome, Die Cast, 4-1/8", 1999-2015 bt	90-4110
22	Tappet Cover, Set, Stock Style, 1999-2015 bt, Polished Billet (includes hardware and gaskets)	33-5601
29	Pushrod Set, Non-Adjustable 1999-up BT	930-0046
	Pushrod, Set, Stock, Steel, 1999-2015 bt, Standard Adjustable* (*requires Pushrods Covers #106-1340 and Retaining Clips #93-4100)	93-5096
	Pushrod, Set, Stock, Steel, 1999-2015 bt, Quickie Adjustable* (*requires Pushrods Covers #106-1340 and Retaining Clips #93-4100)	93-5122
	Pushrod, Set, Stock, Steel, 1999-2015 bt, Timesaver Adjustable	930-0053
30, 33, 40	Pushrod Cover, Kit, Chrome, 1999-2015 bt* (*Requires Cover Keeper Set #93-4100 to complete installation)	106-1340
34	Cover Keeper, Set, Pushrod, 2.500", Chrome (Set of 4) NOTE: Stock is 1.750"	93-4100

Note: VVT parts cross referenced to stock OEM parts are functionally identical, but may differ slightly in appearance. Line drawings are a typical representation and may not be an exact match. Please confirm the required stock part number for intended application before ordering. All reference to H-D part numbers are for identification purposes only. We are in no way implying that any of the VVT products are original equipment parts or that they are equivalent to the corresponding H-D part number shown.

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Twin Cam 96™/103™
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Parts for
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Parts for
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Parts for
Sportster®
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Parts for
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Parts for
Panheads

Parts for
Knuckleheads

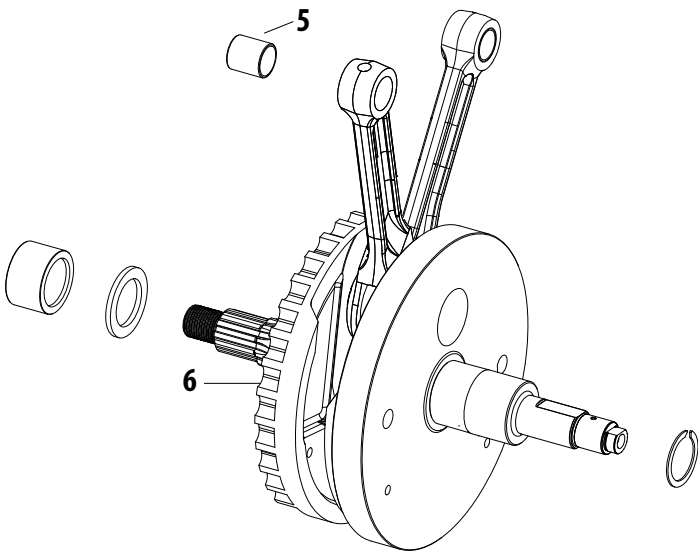
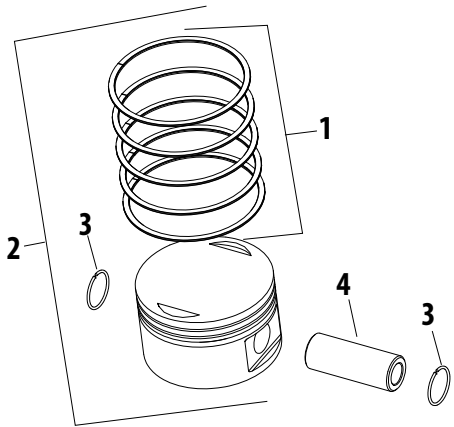
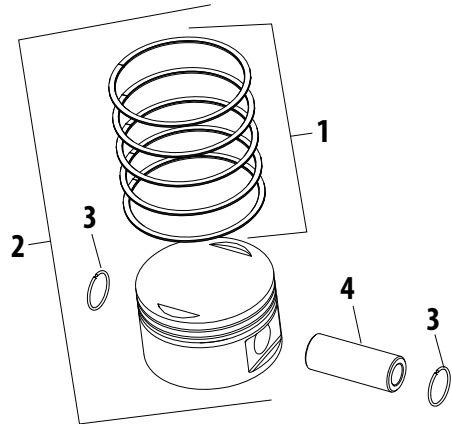
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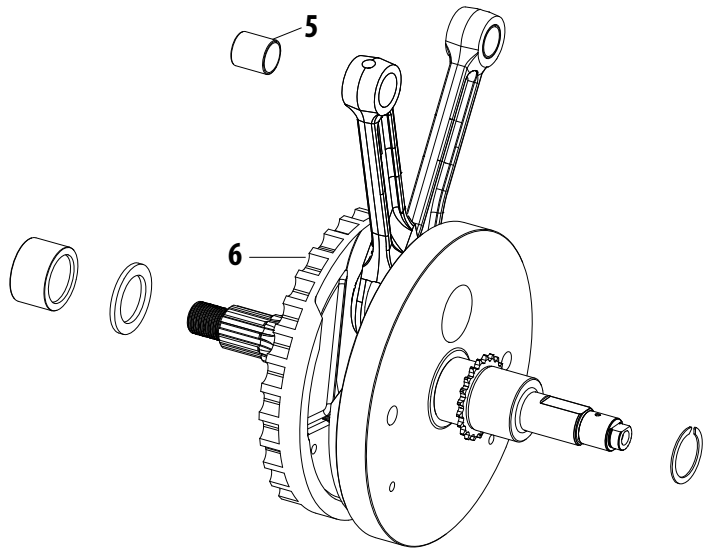
#	Description	H-D Part No.	VWT Part No.
1	Piston Ring Set, Standard, 3.750" Bore (2)	21949-07, 21936-99	940-0022
	Piston Ring Set, +.005" O.S.(2)	21937-99	—
	Piston Ring Set, +.010" O.S. (2)	21938-99	—
	Piston Ring Set, 3.875" Bore Stock Pistons	21918-99	940-0024
2	Piston and Rings Assembly, w/piston pin & lock rings, Standard (2) <i>See chart for piston options</i>	21930-99	—
	Piston and Rings Assembly, w/piston pin & lock rings +.005" O.S. (2) <i>See chart for piston options</i>	21931-99	—
	Piston and Rings Assembly, w/piston pin & lock rings +.010" O.S. (2) <i>See chart for piston options</i>	21933-99	—
3	Wristpin Keeper,C-Clip,.927",Spring Wire Steel (4) <i>each</i>	22097-99	94-9278-5
	Wristpin Keeper,C-Clip,.927",Spring Wire Steel (4) <i>2 Pack</i>		94-9278-2
	Wristpin Keeper,C-Clip,.927",Spring Wire Steel (4) <i>4 Pack</i>		106-2304
4	Wristpin (2)	22132-99	—
5	Bushing, Piston Pin, +.002" O.S. (2)	24316-99	—
6	Flywheel, Assembly, 4" Stroke, SF3, Full Width Wristpin, 7.667" Rod, w/o Sprocket Bearing Race, 1230 tpw, 1999-2006 bt Bt	—	320-0403
	Flywheel, Assembly, 4" Stroke, SF3, Full Width Wristpin, 7.667" Rod, w/ Sprocket Bearing Race, 1230 tpw, 2003-2006 bt Except 2006 Dyna	23904-03B	320-0402
	Flywheel, Assembly, 4" Stroke, SF3, Full Width Wristpin, 7.667" Rod, w/o Sprocket Bearing Race, 1230 tpw, 2000-2006 bt Bt (B Style)	23902-00D	320-0397
	Flywheel, Assembly, 4" Stroke, SF3, Full Width Wristpin, 7.667" Rod, w/ Sprocket Bearing Race, 1230 tpw, 2003-2006 bt Excp't '06 Dyna (B)		320-0396
	Flywheel, Assembly, 4" Stroke, 8-1/4" Diameter, Balanced, 2006 Dyna, 2007-up bt <i>See chart for compatible Flywheel Assembly</i>	23955-06B	—
Flywheel, Assembly, TCA w/#23957-99B, 11177A, thrust washer, plugs, inner race, connecting rods, flywheels, bearings, crankpin, & ring, 2003-'06 bt, except 2006 Dyna <i>See chart for compatible Flywheel Assembly</i>	23904-03B	—	
Flywheel, Assembly, TCB w/#23971-03, 11177A, thrust washer, plug expansion, crankpin, connecting rods, bearings, flywheels, 2003-'06 bt <i>See chart for compatible Flywheel Assembly</i>	23912-00D	—	

NOT DIRECT SERVICE PARTS (SOLD AS ASSEMBLIES) <i>Note: These products are compatible services as assemblies.</i>			
#	Description		VWT Part No.
2	Piston Set, 3.875", Standard, W/Wristpins And Keepers, Wiseco 9:1Cr 99-06 Bt		920-0095
	Piston Set, 3.875", +.005", W/Wristpins And Keepers, Wiseco 9:1Cr 99-06 Bt		920-0096
	Piston Set, 3.875", +.010", W/Wristpins And Keepers, Wiseco 9:1Cr 99-06 Bt		920-0097
6	Flywheel Assembly, 4" Stroke, 8 1/4" Dia. Notched, Balanced 1999-02 Bt		320-0403
	Flywheel Assembly, 4" Stroke, 8 1/4" Dia. Notched, Balanced 2003-'06 Bt With Race And Thrust Washer	23904-03B	320-0402
	Flywheel Assembly, 4" Stroke, 8 1/4" Dia. Notched, Balanced W/ Balancer 2000-'02 Bt	23902-00D	320-0397
	Flywheel Assembly, 4" Stroke, 8 1/4" Dia. Notched, Balanced W/ Balancer 2000-'06 Bt With Race And Thrust Washer		320-0396
	Flywheel Assembly, 4" Stroke, 8 1/4" Dia. Notched, Balanced 2006 Dyna	23955-06B	320-0392

Harley-Davidson® Twin Cam 88® Models



TOURING AND DYNA MODELS



SOFTAIL MODELS (INTERNAL BALANCER)

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ALL CRANKCASES & ENGINE OIL FILTER FOR 1999-2006 HARLEY-DAVIDSON BIG TWINS

Parts for
Twin Cam 96"/103"
2007-2015

Parts for
Twin Cam 88"
1999-2006

Parts for
Evolution®
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Parts for
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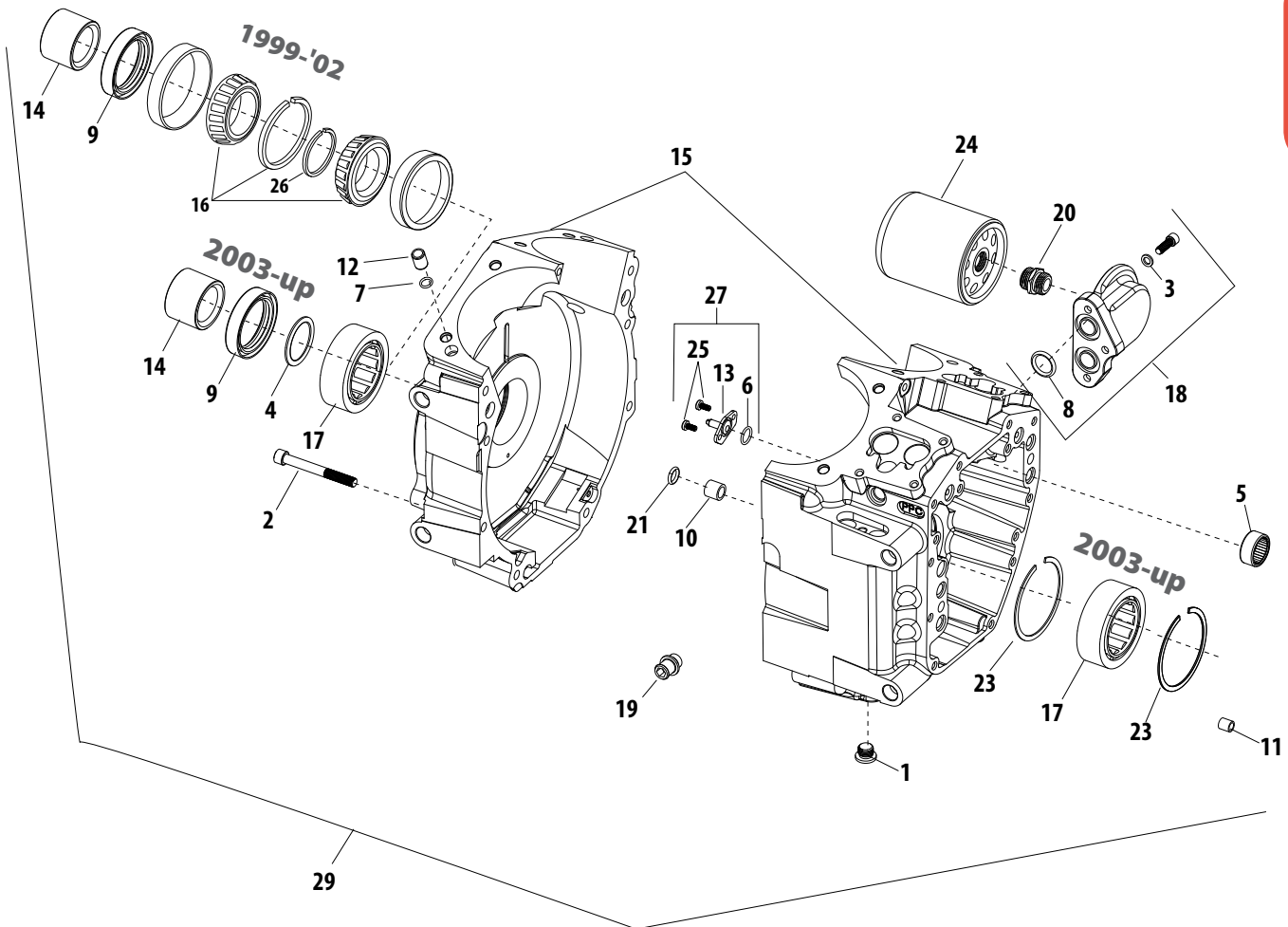
Parts for
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#	Description	H-D Part No.	VVT Part No.
1	Plug,Pipe,3/4 Taper,1/4-18 NPTF x .460",Zinc,Steel	765	50-8330
2	Screw,5/16-18 x 3.0 hex flange hd. (Grade 5) (9)	895	310-0645
3	Washer,.261" x .474" x .050",Annealed,Stainless Steel (3)	6099	50-7020
4	Washer,1-1/4 x 1-53/64 x 1/8	8972	—
5	Bearing,Assembly,Inner,Needle,Cam,.875" x 1.125" x .500",1999-2006 bt except 2006 Dyna (2)	9198	31-4080
6	O-ring,(-014),.500" ID x .625" OD,Nitrile,10 Pack(2) 10 Pack	11140, 11273	50-8130
7	O-ring,(-013),.437" ID x .565" OD,Viton (2) each	11105, 11273	50-8008
	O-ring,Oil Return,(-013),.437" ID x .565" OD,Viton,10 Pack		50-8078
8	O-ring,(-209),.687" ID x .937" OD,Viton (2) each	11293, 11157, 11101, 11190	50-8039
9	Seal,Left,Main Bearing,1999-up bt	12068	31-4035
10	Pin,Dowel,.557" x .500",Black,Steel (2) each	16574-99A, 16573-83,	50-8023
	Pin,Dowel,.557" x .500",Black,Steel (2) 10 Pack	16573-83A	50-8109
11	Pin,Dowel,.275" x .397",Steel (2)	16589-99A	50-8148-S
12	Pin,Dowel,.437" x .610",Steel (4)	16595-99A	50-8177
13	Jet,Assembly,Piston Cooling,1999-up bt (2) NOTE: The S&S Piston Oiler is billet aluminum	22371-99, 22371-99, 22307-99	31-2025B
14	Spacer, sprocket shaft 1999-'02 bt	24008-99	—
	Spacer, sprocket shaft 2003-up bt	24008-03	—
15	Set of Crankcases (silver)	24654-06B, 24596-99C	—
	Set of Crankcases (black)	24621-06B, 24597-99C	—
16	Bearing,Assembly,Left,Main Timken	9028	31-4013
17	Bearing,Right,Main,99-02 non-balanced bt	24623-99B	310-0594
	Bearing,Right,Main,S&S Crankcases 1999-'06 bt,2000-up Bal bt,2003-up NB bt(2)	24604-00D	31-4085
	Bearing, main (2)	24605-07	310-0593
18	Oil Filter Mount Kit, with lockplate kit, adaptor & o-rings (black) See chart for compatible Oil Filter Mount Assembly	26261-99	—
	Oil Filter Mount Kit, with lockplate kit, adaptor & o-rings (silver) See chart for compatible Oil Filter Mount Assembly	26274-99	—
19	Fitting, straight (3)	25259-93A	—
	Fitting, straight (3)	26314-99	—
20	Fitting,Straight,3/4-16 UNF 2A x 1",Steel each	26352-95A	50-8197-S
21	O-ring,(-015),.562" ID x .068" OD,Black,Viton (2)	26432-76A	50-8034-S
—	Lockplate kit, with screws, o-rings and washers (Not Shown)	35071-99A	—
23	Retaining Ring,Internal,2.731" x .031" x .158",Steel,SAE 1070-1090(2)	35114-02	50-8160-S
24	Filter, Oil, 1999-2015 bt, Chrome, 12 Pack	63798-99A	31-4104
	Filter, Oil, 1999-2015 bt, Chrome, 12 Pack		310-0242
	Filter, Oil, 1999-2015 bt, Chrome, 12 Pack		31-4103
	Filter, Oil, 1999-2015 bt, Chrome, 12 Pack		310-0241
25	Screw,Torx Panhead,8-32 x 3/8",Zinc,Steel(4)	68042-99	50-0054-S
26	Spacer, Left, Main Bearing, .090"	9110	—
	Spacer, Left, Main Bearing, .092"	9120	—
	Spacer, Left, Main Bearing, .094"	9121	—
	Spacer, Left, Main Bearing, .096"	9122	—
	Spacer, Left, Main Bearing, .098"	9123	—
	Spacer,Left,Main Bearing,.100",Steel,1969-'99 bt	9124	31-4071
	Spacer,Left,Main Bearing,.102",Steel,1969-'99 bt	9125	31-4072
	Spacer,Left,Main Bearing,.104",Steel,1969-'99 bt	9126	31-4073
	Spacer,Left,Main Bearing,.106",Steel,1969-'99 bt	9127	31-4074
	Spacer,Left,Main Bearing,.108",Steel,1969-'99 bt	9128	31-4075
	Spacer, Left, Main Bearing, .110"	9129	—
	Spacer, Left, Main Bearing, .112"	9130	—
	Spacer, Left, Main Bearing, .114"	9131	—
	Spacer, Left, Main Bearing, .116"	9132	—
	Spacer, Left, Main Bearing, .118"	9133	—
	Spacer,Left,Main Bearing,.120",Steel,1969-'99 bt	9134	31-4076
27	Jet,Kit,Piston Cooling,4-1/8" 1984-'99 bt, 1999-up bt,2 Pack NOTE: The S&S Piston Oiler is billet aluminum	22307-99,	31-2026
—	Bearing Kit, w/#s 4, 17 & inner race (Not Shown)	24004-03A	310-0589
29	Crankcase,Assembly,Stock Bore,bt,Alternator,Silver,1999-2006 except 2006 Dyna See chart for compatible Crankcase Assembly	24596-99A	—
	Crankcase,Assembly,Stock Bore,bt,Alternator,WBlack,1999-2006 except 2006 Dyna	24597-99A	—

Harley-Davidson® Twin Cam 88® Models



NOT DIRECT SERVICE PARTS (SOLD AS ASSEMBLIES) Note: These products are compatible services as assemblies.

#	Description	VVT Part No.
18	Bracket, Assembly, Oil Filter, Polished, 1999-up bt (except '06 Dyna models)	31-6510
	Bracket, Assembly, Oil Filter, Chrome, 1999-up bt	106-3884
29	Crankcase, Assembly, Stock Bore, bt, Alternator, Silver, 1999-2006 except 2006 Dyna (Requires oil line and designed for S&S Oil Pumps)	106-4039
	Crankcase, Assembly, Stock Bore, bt, Alternator, WBlack, 1999-2006 except 2006 Dyna (Requires oil line and designed for S&S Oil Pumps)	31-0172
	Installation Kit, Oil Supply Line, 1999-2005 bt	31-0424
	Installation Kit, Oil Supply Line, Crankcase, 1999-2006 bt except Dyna	31-0425

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Twin Cam 96™/103™
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CAMSHAFTS AND CAM COVER FOR 1999-2006 HARLEY-DAVIDSON BIG TWINS

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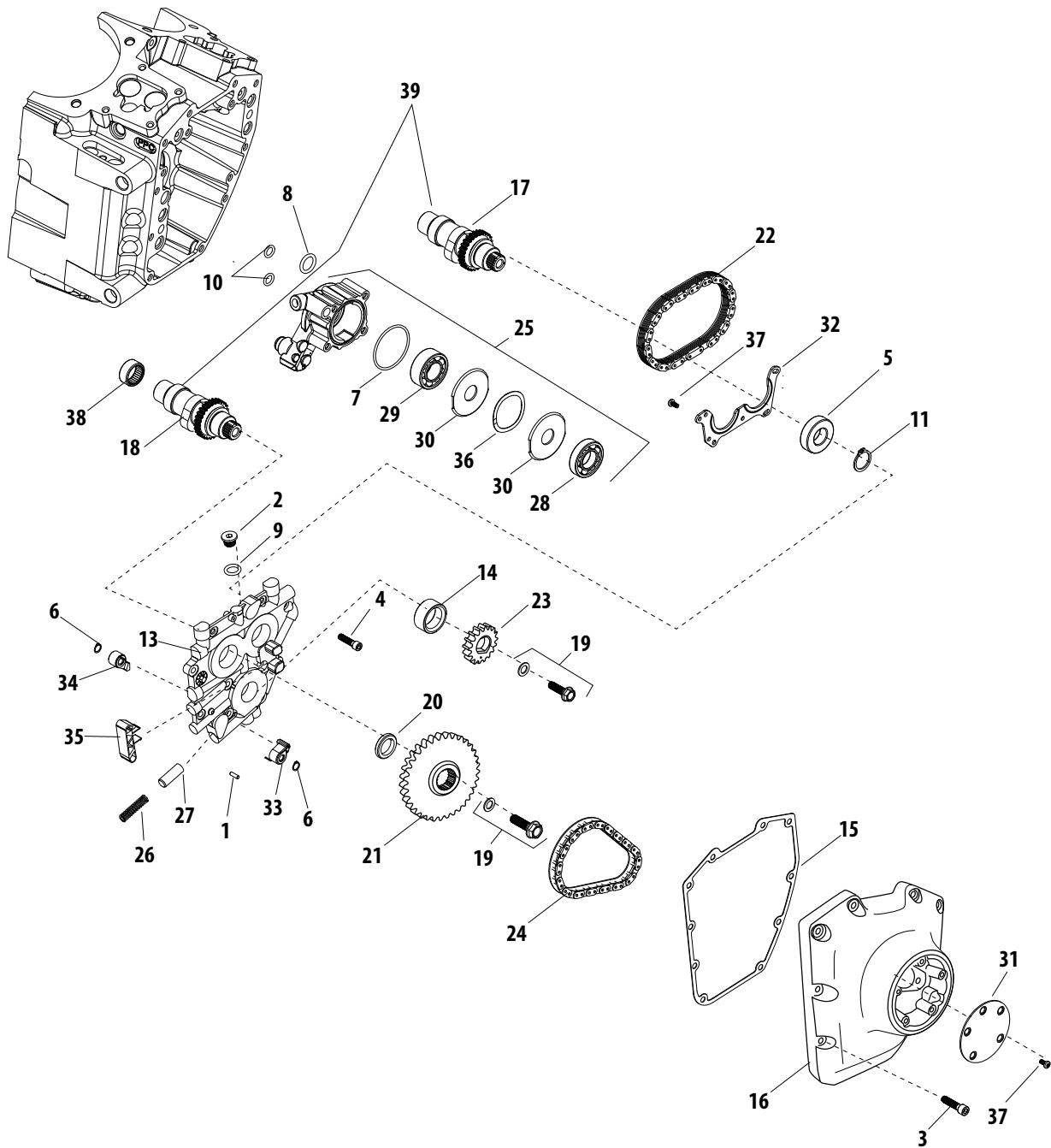
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#	Description	H-D Part No.	VVT Part No.
1	Roll Pin	601	—
2	Plug, Cam Support Plate	3290	—
3	Screw, 1/4-20 x 1-1/4 knurled socket hd.	4740A, 3482A	50-0008
4	Screw,SHCS,w/ Flat Washer,1/4-20 x 1",Zinc,ASTM A574-92A (2)	4741A	50-0092-S
5	Bearing,Outer,Ball,Cam,.7874" x 1.6535" x .4724"(2)	8990, 8990A	31-4081
	Bearing, Roller, w/race and o-ring	8983	—
6	Retaining Ring (2)	11031	560-0098
7	O-ring	11286	500-0307
8	O-ring, (-209), .687" ID x .937" OD, Viton <i>each</i>	11293, 11157, 11101, 11190	50-8039
9	O-ring, Viton	11298	—
10	O-ring,(-110),.375" ID x .562" OD,Viton (2) <i>each</i>	11301	50-8066-S
11	Retaining Ring,External,Tru-arc,.722" x .042",Steel,SAE 1060-1090	11461, 11494	50-8061
—	Gasket Kit, cam service (Not Shown)	17045-99	—
13	Cam Support Assembly, w/25334-99 bushing only	24607-00	—
	Cam Support Assembly, w/25336-00, camshafts & 25607-99	24598-00	—
	Cam Support Assembly, w/25336-00, camshafts & 25607-99	24606-00	—
	Cam Support Assembly, w/bearings, retaining plate, tensioners & bypass valve	25336-00	—
14	Bushing, Crankshaft	25344-99	—
15	Gasket,Gearcover,Black,Paper,1999-up bt <i>each</i>	25244-99A	31-2032-S
16	Cam Cover, chrome <i>See chart for complete Cam Cover assembly</i>	25247-99	—
	Cam Cover, polished <i>See chart for complete Cam Cover assembly</i>	26319-99	—
17	Camshaft, Front (Stamped B)	25296-99	—
	Camshaft, Front (Stamped A)	25534-99	—
18	Camshaft, Rear (Stamped B)	25297-00	—
	Camshaft, Rear (Stamped A)	25544-00	—
19	Cam Drive Sprocket Retention Kit, Includes Two Screws & Washers	25533-99	—
20	Spacer, Cam Drive Sprocket Alignment 0.270" Thick (Use As Required)	25717-99	—
	Spacer, Cam Drive Sprocket Alignment 0.260" Thick (Use As Required)	25719-99	—
	Spacer, Cam Drive Sprocket Alignment 0.250" Thick (Use As Required)	25721-99	—
	Spacer, Cam Drive Sprocket Alignment 0.230" Thick (Use As Required)	25722-99	—
	Spacer, Cam Drive Sprocket Alignment 0.240" Thick (Use As Required)	25723-99	—
21	Sprocket, Cam Drive - 34 Tooth	25716-99	310-0612
22	Chain, Secondary Cam Drive	25607-99	310-0615
23	Sprocket, Cam Drive On Crankshaft - 17 Tooth	25609-99	310-0613
24	Chain, Primary Cam Drive	25610-99	310-0614
25	Oil Pump Assembly, w/body, both gerotor assemblies and separator plate	26035-99A	—
26	Spring, Relief Valve	26210-99	—
27	Valve,Pressure Relief,Oil Pump,1984-'99 bt	26400-82, 26400-82B	31-6082
28	Gerotor Assembly, Pressure	26464-99	—
29	Gerotor Assembly, Scavenge	26255-00	—
30	Separator Plate, Gerotor (2)	26248-00	—
31	Cam Position Sensor Cover	32543-99	—
32	Plate, Bearing Retaining	35060-00	310-0601
33	Chain Tensioner, Primary Cam Drive Chain	39954-99A	330-0287
34	Chain Tensioner, Secondary Cam Drive Chain	39964-99A	330-0285
35	Chain Guide	39965-99	330-0286
36	Spring Separator	40323-00	—
37	Screw,Torx Panhead,8-32 x 3/8",Zinc,Steel (9)	68042-99	50-0054-S
38	Bearing,Assembly,Inner,Needle,Cam,.875" x 1.125" x .500",1999-2006 bt except 2006 Dyna (2) <i>each</i>	9198	31-4080
	Bearing,Inner,Needle,Cam,1.0" x 1.25" x .50", 2006 Dyna models (2) <i>each</i>	9215	31-4199-S

NOT DIRECT SERVICE PARTS (SOLD AS ASSEMBLIES) <i>Note: These products are compatible services as assemblies.</i>		
#	Description	VVT Part No.
16	Cover, Cam Chest, Billet 6061, 1999-up bt, Polished (Hardware and gasket included)	31-6516
	Cover, Cam Chest, Billet 6061, 1999-up bt, Chrome (Hardware and gasket included)	106-3774
39	Camshaft,Set,Chain Drive,OES,1999-2006 bt except 2006 Dyna	330-0296

Harley-Davidson® Twin Cam 88® Models



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CARB, MANIFOLD AND AIR FILTER FOR 1999-2006 HARLEY-DAVIDSON BIG TWINS

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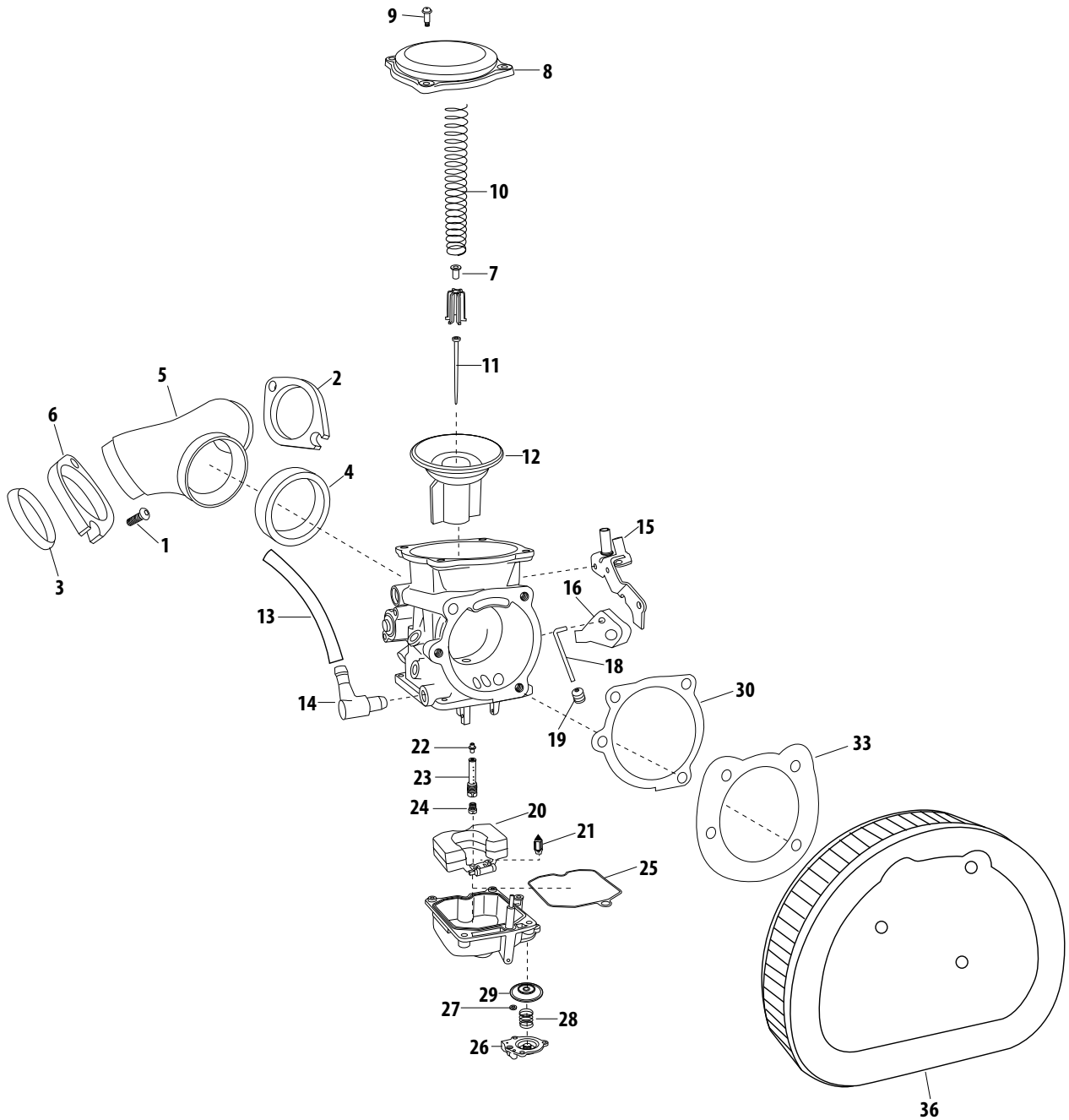
#	Description	H-D Part No.	VVT Part No.
1	Screw, SHCS, 5/16-18 x 3/4", Zinc, ASTM A574-92A (4) <i>each</i>	3275	50-0302-S
2	Flange, Front, Manifold, 1984-2005 bt, 1986-2006 xl	27009-86A	16-0232
3	Seal, Intake, Stock Heads, 1984-up bt, 1986-up xl(2) <i>each</i>	26992-99, 26995-86A,	16-0236
	Seal, Intake, Stock Heads, 1984-up bt, 1986-up xl(2) <i>10 Pack</i>	26995-86B	16-0244
4	U-ring, Manifold, 40mm Stock CV/42mm Mikuni,	27002-89	16-0242
5	Manifold, CV Carb, S&S Ports, 1-7/8", #410, Natural, 1999-up bt Port ID is 1.780", stock is 1.625". Requires S&S Seals#16-0235	27613-99	160-1722
6	Flange, Rear, Manifold, 1984-2005 bt, 1986-2006 xl <i>each</i>	27010-86A	16-0233
	Flange, Rear, Manifold, 1984-2005 bt, 1986-2006 xl <i>10 Pack</i>		16-0601
7	Collar	27263-96	—
8	Top, Carburetor	27261-96	—
9	Screw, Top (3)	27262-96	—
10	Spring	27162-89	—
11	Jet Needle <i>See chart for complete Jet Kit</i>	27406-00	—
12	Vacuum Piston	27585-88	—
13	Fuel Hose, Preformed	61911-95	—
14	Fitting	27371-76	—
15	Bracket, Throttle Cables	27340-90	—
16	Lever	27126-89	—
—	Slow Jet (Not Shown)	27170-89	—
18	Rod	27156-89	—
19	Boot, Accelerator Pump	27311-76	—
20	Float	27576-92	—
21	Valve, with Clip	27886-78A	—
22	Needle Jet <i>See chart for complete Jet Kit</i>	27100-88	—
23	Needle Jet Holder <i>See chart for complete Jet Kit</i>	27101-88	—
24	Main Jet 1.90mm <i>See chart for complete Jet Kit</i>	27243-95	—
25	O-Ring, Float Chamber	27577-92	—
26	Pump Housing	27260-00	—
27	O-Ring	27360-76	—
28	Spring, Diaphragm	27362-76	—
29	Diaphragm, Accelerator Pump	27361-76	—
30	Gasket, Backplate, 1991-up xl/bt	29062-95B	—
—	O-Ring (2) (Not Shown)	11292	—
—	Backplate Assembly (Not Shown)	29454-99	—
33	Gasket, Filter Element	29313-95	—
—	Screw, Breather (2) (Not Shown)	29465-99	—
—	Breather Tube (2) (Not Shown)	29476-99	—
36	Filter, Air, Carb/EFI, 2001-'08 Softail EFI, 2002-'07 bt	29461-99	106-4630
	Filter, Air, 1999-2001 EFI	29462-99	106-4631

NOT DIRECT SERVICE PARTS (SOLD AS ASSEMBLIES) Note: These products are compatible services as assemblies.

#	Description	VVT Part No.
11, 22, 23, 24	Jet, Kit, CV Carb*, 1999-2006 bt (Assorted popular jets, needles and emulsion tubes) For more info, see S&S instruction sheet #51-1177	11-5203
	Jet, Kit, CV Carb*, 1990-1999 bt (Assorted popular jets, needles and emulsion tubes) For more info, see S&S instruction sheet #51-1177	11-5202

*Not legal for sale or use on CA or EPA pollution controlled vehicles.

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INDUCTION MODULE AND AIR FILTER FOR 1999-2005 HARLEY-DAVIDSON BIG TWINS

1999 - 2001 EFI Touring

#	Description	H-D Part No.	VVT Part No.
1	Screw, 5/16-18 x 1-1/4 knurled soc. Hd. (2)	3201WA	—
2	Bolt, 5/16-18 x 3/4 hex. Hd.(Grade 5 steel) (2)	3987	—
3	Retaining Ring (2)	11150	560-0187
4	O-ring, Kit, S&S VFI, Magneti Marelli <i>Includes various O-Rings and Retaining Rings</i>	17043-95	—
5	Seal,Intake,Stock Heads,1984-up bt, 1986-up xl (2)	26992-99, 26995-86A, 26995-86B	16-0236
6	Flange,Front,Manifold,1984-2005 bt, 1986-2006 xl	27009-86A	16-0232
	Flange,Rear,Manifold,1984-2005 bt, 1986-2006 xl	27010-86A	16-0233
7	Induction Module Assembly, Complete	27202-99	—
—	Screw, Idle Speed Control (2) (Not Shown)	27217-95A	—
9	Fuel Injector (2)	27135-97	—
10	Regulator Kit, Fuel Pressure, w/O-Rings	27219-95A	—
11	Tube,Fuel Inlet, 45j Bend,5/16" x .028",Stainless Steel	27221-95	50-0485
12	O-ring,(-109),.299" ID x .500" OD,Viton (2) <i>each</i>	27237-95	50-8137-S
13	O-ring,(-111),.424" ID x .625"OD,Viton (2) <i>each</i>	27244-95	—
14	Sensor,Kit,Temperature,Intake Air	27270-95	55-5041
15	Sensor,Kit,Throttle Position,VFI	27271-95	55-5058
16	Motor,Idle Air Control,EFI, w/Screws, Lever, Spacer, Lockwasher, Throttle Shaft Nut, Idle Speed Stepper Motor & Idle Speed Adjustment Screw	27272-95A	—
—	Cam Lever Kit (Not Shown)	27593-98	—
18	Clamp Plate Kit, Fuel Pressure Regulator, w/both Plates and Nut	27282-95	—
	Cap, Induction Module (Not Illustrated, Plugs Stand Tube Near Air Intake)	90383-98	—
19	Filter,Air,1999-2001 EFI	29462-99	106-4631
47	Relay, EFI System, w/Delphi FI (not shown)	31511-01A	550-0418

2001 EFI Softail and 2002-2005 EFI big twins

#	Description	H-D Part No.	VVT Part No.
20	Screw, 5/16-18 x 3/4 Hex Socket Head Cap (4) <i>See chart for compatible Screw</i>	327w5	—
21	Seal, Manifold Air Pressure Sensor	11291	—
22	Seal,Intake,Stock Heads,1984-up bt, 1986-up xl (2)	26992-99, 26995-86A, 26995-86B	16-0236
23	Flange,Front,Manifold,1984-2005 bt, 1986-2006 xl	27009-86A	16-0232
	Flange,Rear,Manifold,1984-2005 bt, 1986-2006 xl	27010-86A	16-0233
24	Sensor,Kit,Temperature,Intake Air	27270-95	55-5041
25	Induction Module Assembly, Complete	27600-01	—
26	Throttle Body Assembly, w/Idle Screw	27603-01	—
27	Throttle Housing, Stop	27604-01	—
28	Fuel Rail	27608-01	—
29	Injector, Fuel (2)	27609-04, 27609-01, 27609-01A, 27609-01B	550-0409
30	Tube, Fuel Supply 35° bend <i>See chart for compatible Fuel Supply Tube</i>	27612-01	—
31	Motor,Kit,Idle Air Control,EFI w/Two Screws, O-Ring & Idle Control	27628-01, 27628-01A	55-5085
32	Throttle Kit, Position Sensor w/Two Screws & Sensor Throttle	27629-01	550-0408
33	Manifold Intake	27630-01	—
34	Screw,Torx,M4 x 12mm,Zinc,Steel	—	50-0358-S
35	Clamp,Fuel Tube,Plated	—	50-0391-S
36	O-ring,(-109),.299" ID x .500" OD,Viton <i>each</i>	—	50-8137-S
37	O-ring,.290" ID x .570" OD,Black	—	50-8264-S
38	Sensor,Kit,MAP,IST,w/VOES fitting with Seal	32424-98, 32416-10, 32417-10	55-5057
39	Sensor,Kit,MAP,IST,w/VOES fittingwithout Seal	32424-98	—
—	O-Ring (2) (Not Shown)	11292	—
—	Gasket,Backplate,1991-up xl/bt (Not Shown)	29583-01	—
—	Gasket, Filter Element	29313-95	—
—	Backplate Assembly (Not Shown)	29454-99	—
44	Filter,Air,Carb/EFI,2001-'08 Softail EFI,2002-'07	29461-99	106-4630
—	Screw, Breather (2) (Not Shown)	29465-99	—
—	Breather Tube (2) (Not Shown)	29476-99	—
47	Relay, EFI System, w/Delphi FI (not shown)	31511-01A	550-0418

NOT DIRECT SERVICE PARTS (SOLD AS ASSEMBLIES) *Note: These products are compatible services as assemblies.*

#	Description	VVT Part No.
20	Screw,SHC,5/16-18 x 1",Zinc,ASTM A574-92A	50-0101
30	Tube,Fuel Inlet, 45j Bend,5/16" x .028",Stainless Steel	50-0485

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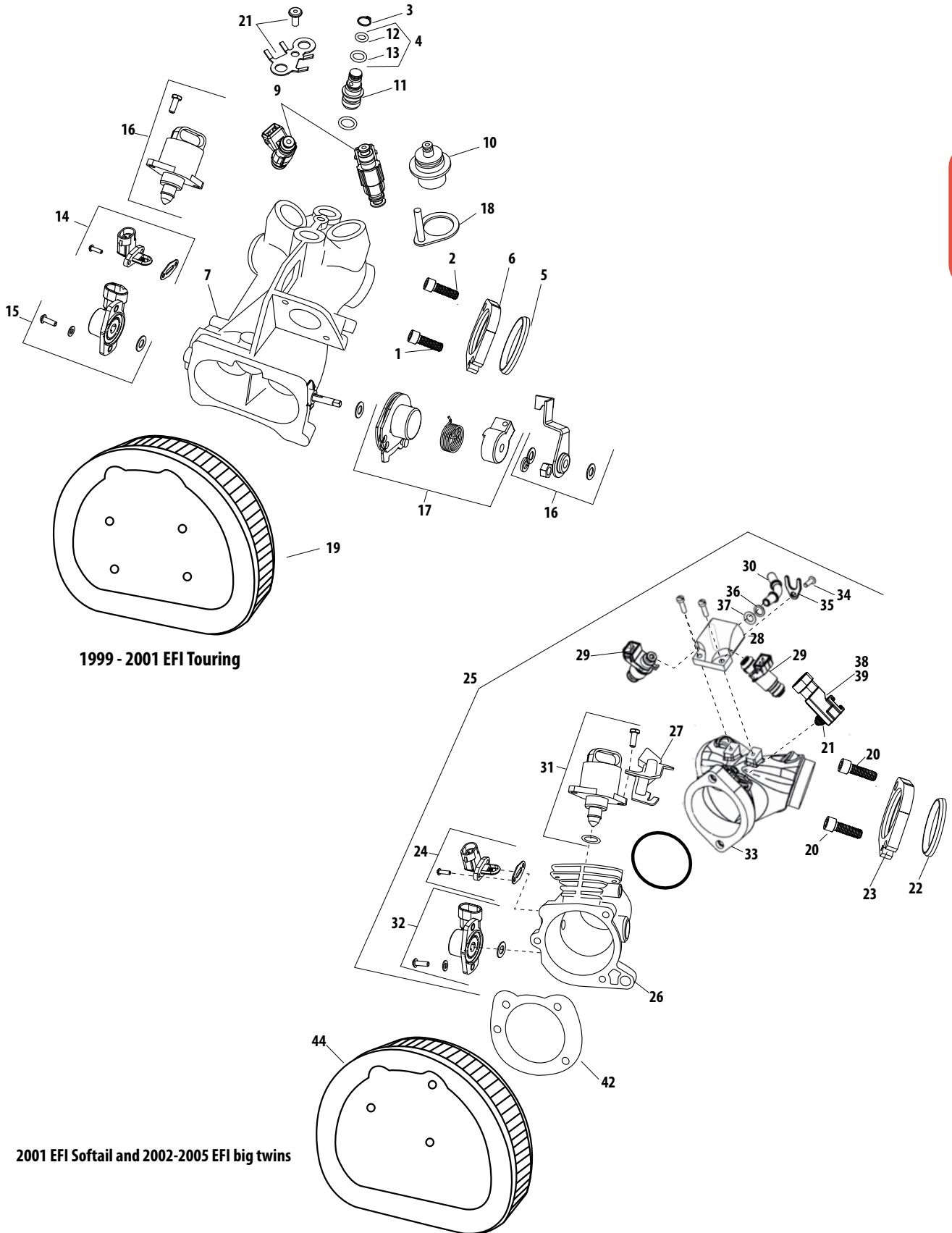
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2001 EFI Softail and 2002-2005 EFI big twins

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IGNITION MODULE AND COIL FOR 1999-2006 HARLEY-DAVIDSON BIG TWINS

Coil

#	Description	H-D Part No.	VVT Part No.
1	Bolt, 1/4-20 X 1-1/4 hex hd. (Grade 5) (2)	3993	—
2	Screw,SHCS,w/ Flat Washer,1/4-20 x 1",Zinc,ASTM A574-92A <i>each</i>	4741A	50-0092-S
	Screw,SHCS,w/ Flat Washer,1/4-20 x 1",Zinc,ASTM A574-92A,4 Pack		50-0092P
—	Cable Strap (2) (Not Shown)	10065	—
—	Clip, Double (Not Shown)	10113	—
—	Clip Single (Not Shown)	10114	—
—	Anchor, T-Stud (Not Shown)	10136	—
7	Ignition Coil, Dual, FLT	31639-99	—
	Ignition Coil, Dual, Softail	31655-99	55-1576
8	Nut Plate	31727-85	—
9	Spark Plug Cable, Front & Rear Cylinder (2)	31992-99	—
10	Spark Plug,Resistor,12mm,2 Pack (2) Champion Spark Plug RA8HC <i>each</i>	32317-86A, 32362-04	55-1320
	Spark Plug,Resistor,12mm,2 Pack (2) Champion Spark Plug RA8HC 2 Pack		55-1322
—	Wiring Harness, Ignition (Not Shown)	32435-00	—
12	Ignition Module	32478-99	—
13	H-D TC88 IGNITION COIL	31655-99	—

Electronic Control Module - Fuel Injected

#	Description	H-D Part No.	VVT Part No.
14	Screw, 1/4-20 x 1-1/4 knurled hd. (Grade 8) (4)	3601	—
—	Screw, No. 10-32 x 1/2 self tapping (Not Shown)	3602A	—
16	Screw, 1/4-20 x 2-1/4 knurled socket hd. (w/lockpatch) (2)	4717A	50-0078
17	Washer, 1/4 x 7/16 x 1/16 (4)	6099	—
	Washer, No. 10 x 1/2 x 3/64 (4)	6716	—
18	Nut, No. 10-32 x 3/8 keps (4)	7629	—
—	Cable Strap, with Plug-In Retainer (4) (Not Shown)	10177	—
—	Coil Cover Assembly, with Pad (Chrome) (Not Shown)	30202-01	—
—	Pad, Coil Cover (Not Shown)	31742-00	—
22	Ignition Coil, Dual	31743-01	550-0499
—	Coil Cover Assembly, with Pad (Chrome) (Not Shown)	31772-01	—
	Coil Cover Assembly, with Pad (Black Wrinkle) (Not Shown)	31773-01	—
24	Spark Plug Cable, Front Cylinder <i>See chart for spark plug wire option</i>	31981-99B	—
25	Spark Plug Cable, Rear Cylinder <i>See chart for spark plug wire option</i>	31983-00B	—
26	Spark Plug, 6R12 (2) Champion Spark Plug RA8HC <i>each</i>	32317-86A,	55-1320
	Spark Plug, 6R12 (2) Champion Spark Plug RA8HC 2 Pack	32362-04	55-1322
	Spark Plug (2) Champion Spark Plug RA8HC <i>each</i>	32317-86A,	55-1320
	Spark Plug (2) Champion Spark Plug RA8HC 2 Pack	32362-04	55-1322
27	Electronic Control Module W/Calibration <i>See chart for complete VFI Module Kit</i>	32612-01	—
	Electronic Control Module W/Calibration <i>See chart for complete VFI Module Kit</i>	32762-01	—
	Electronic Control Module, FLT/ST Base Level - DOM/HDI <i>See chart for complete VFI Module Kit</i>	32534-05	—
	Electronic Control Module, 2006 Dyna Base Level <i>See chart for complete VFI Module Kit</i>	32534-05A	—
	Electronic Control Module (ECM), Base Level (Domestic, All HDI) Requires Digital Programming <i>See chart for complete VFI Module Kit</i>	32534-05B	—
28	Electronic Control Module, Magnetti Marelli (1995 1/2 - '01 Touring) w/Calibration	32423-99A	—
	Electronic Control Module, EFI, 1450, Domestic <i>See chart for complete EFI Module Kit</i>	32423-99C	—
	Electronic Control Module, EFI, 1450, HDI <i>See chart for complete EFI Module Kit</i>	32476-99B	—
	Electronic Control Module, EFI, 1550, Domestic <i>See chart for complete EFI Module Kit</i>	32462-00	—
	Electronic Control Module, Delphi 2001 - 2012 bt except 2008 Touring, w/Calibration	32423-02	—
	Electronic Control Module, Delphi 2001 - 2012 bt except 2008 Touring, w/Calibration	32612-01A	—
	Electronic Control Module, Delphi 2001 - 2012 bt except 2008 Touring, w/Calibration	32762-01A	—
	Electronic Control Module, Delphi 2001 - 2012 bt except 2008 Touring, requires digital programming	32772-01	—
	Electronic Control Module, Delphi 2001 - 2012 bt except 2008 Touring, requires digital programming	32498-04	—
	Electronic Control Module, Delphi 2001 - 2012 bt except 2008 Touring, requires digital programming	32534-05A	—
29	Isolator, Control Module (4)	66110-97	—
—	Bracket, ECM Mounting (Not Shown)	66231-99	—
—	Nut (2) (Not Shown)	7716	—

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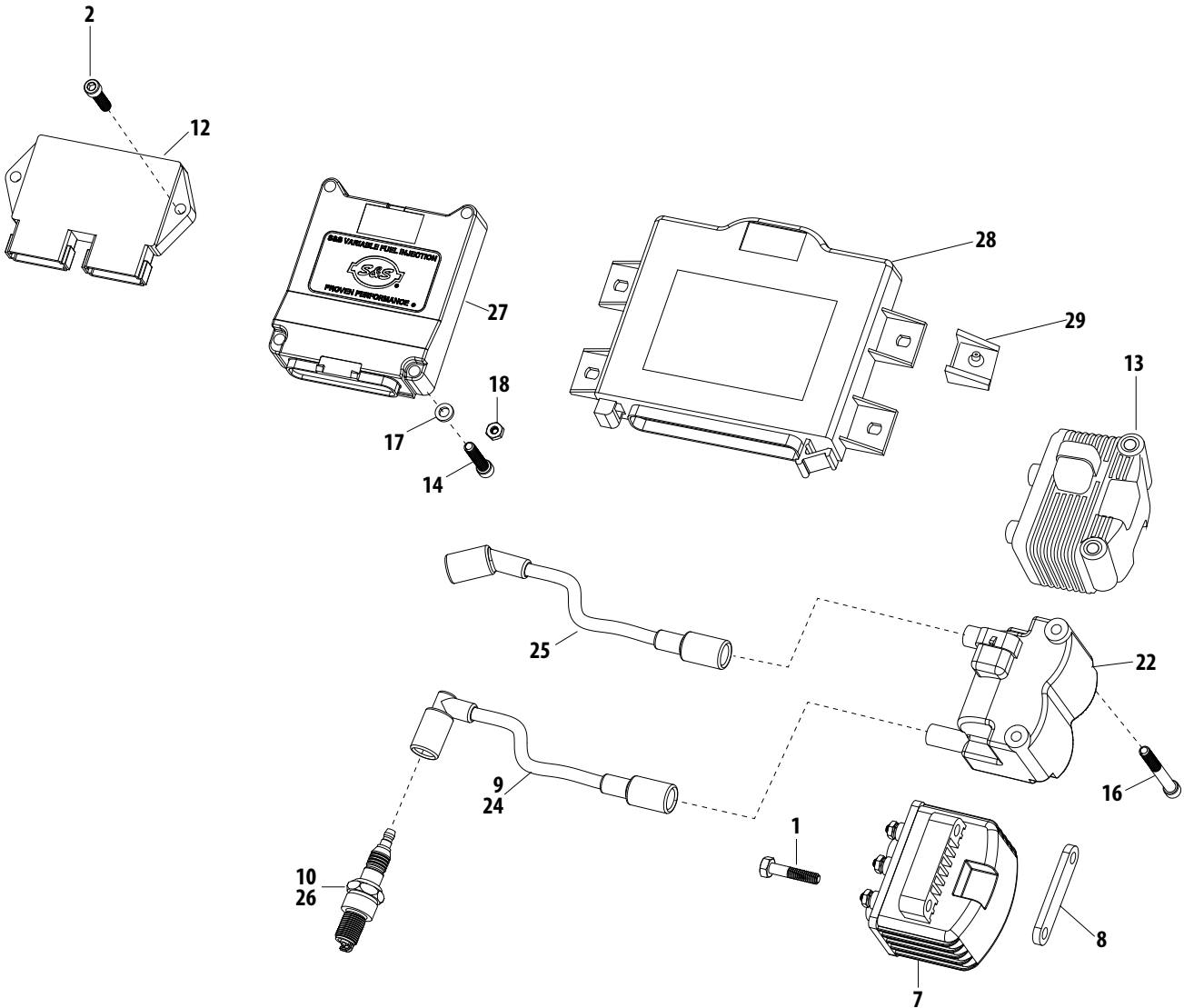
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NOT DIRECT SERVICE PARTS (SOLD AS ASSEMBLIES) *Note: These products are compatible services as assemblies.*

#	Description	VVT Part No.
24, 26	Wire Set, Spark Plug, 99-05 FXD w/ carb	550-0512
	Wire Set, Spark Plug, 99-06 Touring w/ carb	550-0513
	Wire Set, Spark Plug, 00-06 Softail w/ carb	550-0512
	Wire Set, Spark Plug, 99-08 Touring w/EFI	550-0517
	Wire Set, Spark Plug, 99-12 FXD w/EFI	550-0516
	Wire Set, Spark Plug, 00-12 Softail w/EFI	550-0517
27	Module,Kit,VFI,Delphi,Pro Tune II Software,2001-up bt except. '08-up Touring with S&S Calibration Software*	55-5090
28	ECM, Kit, USB, Stock H-D/Magneti Marelli Service, Make to Order,1995-1/2 - 2001 Touring with S&S Calibration Software	559-0001

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ENGINE SENSORS

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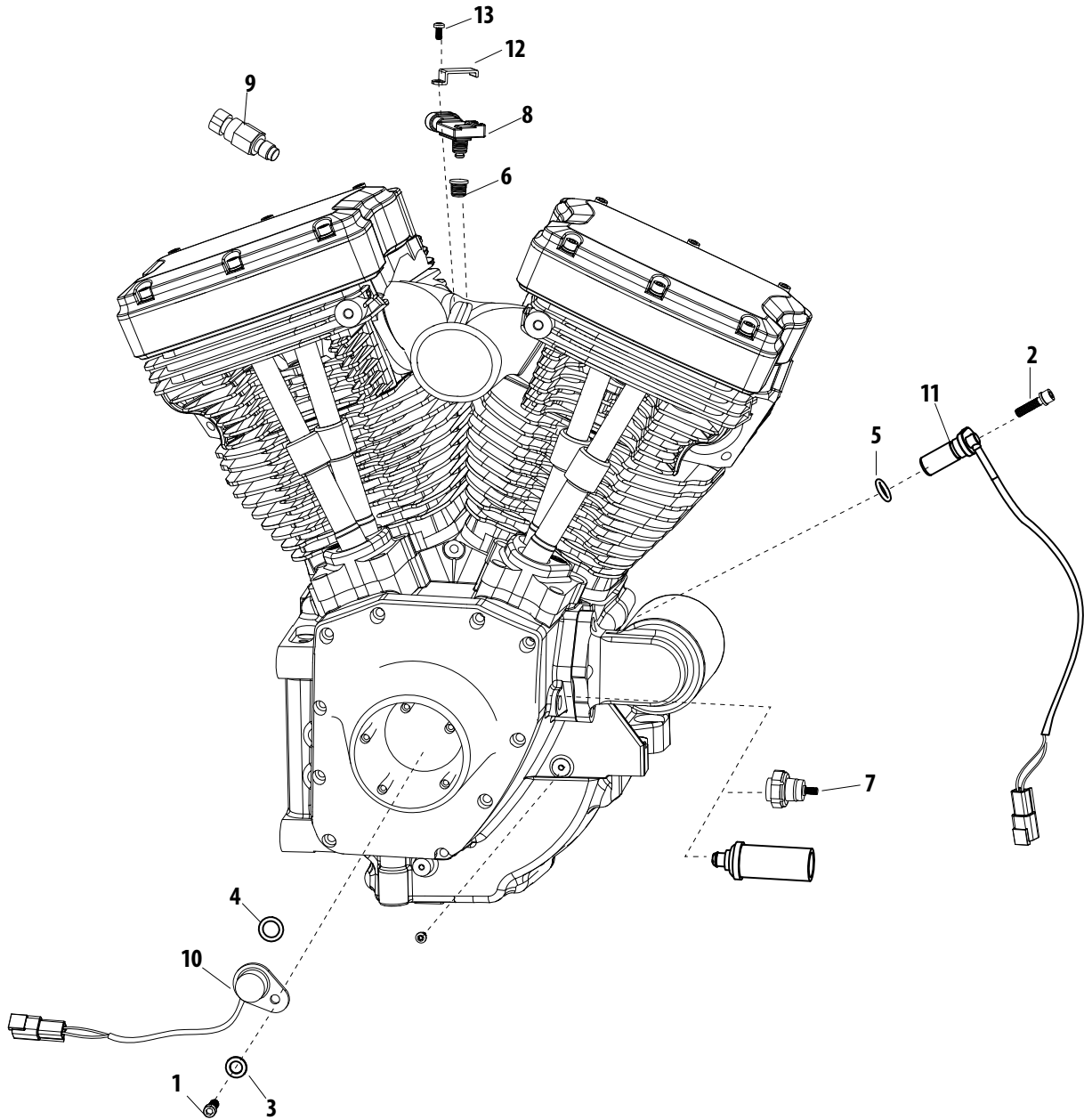
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#	Description	H-D Part No.	VVT Part No.
1	Screw, 1/4-20 x 5/8 knurled hd. (Grade 8)	3594	50-0071
2	Screw, SHCS, w/ Flat Washer, 1/4-20 x 1", Zinc, ASTM A574-92A <i>each</i>	4741A	50-0092-S
	Screw, SHCS, w/ Flat Washer, 1/4-20 x 1", Zinc, ASTM A574-92A, <i>4 Pack</i>		50-0092P
3	Washer, 1/4 x 1/2 x 3/32	6239	—
4	O-ring	11288	—
5	O-ring	11289	—
6	Seal, Barometric Pressure Sensor	11291	—
7	Oil Pressure Switch	26561-99	550-0405
8	Sensor, MAP, IST with Seal	32424-98, 32416-10,	55-5057
		32417-10	
9	Sensor, Temperature, Cylinder Head, 4-1/8" 1984-'99 bt, 1999-up bt	32446-99	55-1014
10	Cam Position Sensor, with O-Ring and Terminal Pins	32793-00	—
11	Sensor, Crankshaft Position	32798-00	—
		Sensor, Kit, Crank Position, 1984-2007 bt, w/11289A, 72199-94, 74194-98, & pins <i>S&S wire length is 48", stock is ~12"</i>	32707-01B, 32707-01C
12	Clamp, Hold-Down, MAP Sensor	38723-99	16-5077-S
13	Screw, Torx Panhead, 8-32 x 3/8", Zinc, Steel (2)	68042-99	50-0054-S
14	Circuit Breaker, 30A (Not Shown)	74599-77B	550-0414
15	Circuit Breaker, 40A (Not Shown)	74600-97A	550-0417

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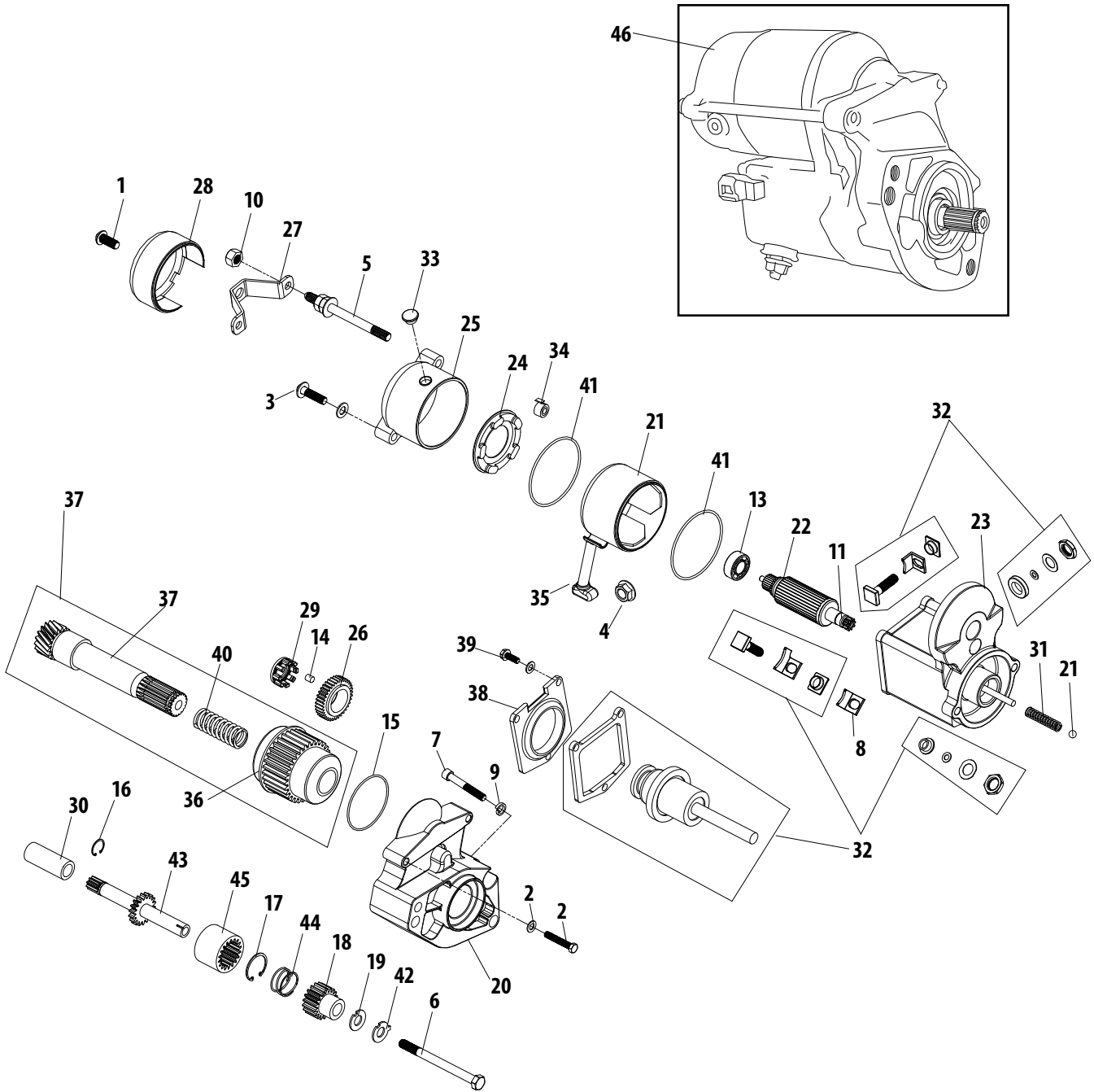
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#	Description	H-D Part No.	VVT Part No.
1	Screw, Cover	925	-
2	Bolt, Starter (2)	928	-
3	Screw w/O-Ring (2)	929A	-
4	Nut, Flange	3403	-
5	Bolt, Starter (2)	3559	-
6	Screw	4358A	-
7	Screw (2)	4326A	-
8	Washer	6217	-
9	Lockwasher (2)	7041	50-7032
10	Nut, With Washer (2)	7838	-
11	Ball Bearing	8871	-
12	Ball	8879	-
13	Ball Bearing	8883	-
14	Clutch Roller (5)	9077	-
15	O-Ring	11116	550-0388
16	Retaining Ring	11182	-
17	Retaining Ring	11248	-
18	Pinion Gear	31342-94	-
19	Washer, Thrust	31430-94	-
20	Housing, Starter	31510-90	-
21	Yoke Assembly, Starter	31521-98	-
22	Armature Assembly	31515-90	-
23	Switch Assembly, Magnetic w/Housing	31538-98	-
24	Brush Holder Assembly	31518-90	-
25	Frame, Starter End	31519-90	-
26	Idler Gear	31525-90	-
27	Bracket, Cover	31527-90	-
28	Cover (Chrome)	31535-91	-
29	Retainer, Idler Gea	31530-90	-
30	Coupling	31548-90	-
31	Spring, Return	31600-90	-
32	Starter Repair Kit	31604-91	-
33	Drain Vent	31660-90	-
34	Spring, Brush (4)	31661-90	-
35	Boot, Insulating	31662-90	-
36	Clutch, Starter, 1989-'06 bt	31663-90	550-0371
37	Shaft, Output	31664-94	-
38	Cover, Solenoid	31688-90	-
39	Bolt W/ Washer (3)	31689-90	-
40	Spring	31692-90	-
41	O-Ring (2)	31695-90	-
42	Lockplate, 1994-Up bt, 10 Pack	33126-94	560-0119
43	Shaft, Extension	33127-94	-
44	Spring, Pinion Gear	33449-94	-
45	Coupling	60647-94	-
46	Starter, Motor, 1.4Kw, Black, 1989-2006 Bt	31558-94, 31559-99	550-0276
	Starter, Motor, 1.4Kw, Chrome, 1989-2006 Bt	31558-94, 31559-99	550-0277

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Parts for
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ALTERNATOR AND REGULATOR FOR 1999-2006 HARLEY-DAVIDSON BIG TWINS

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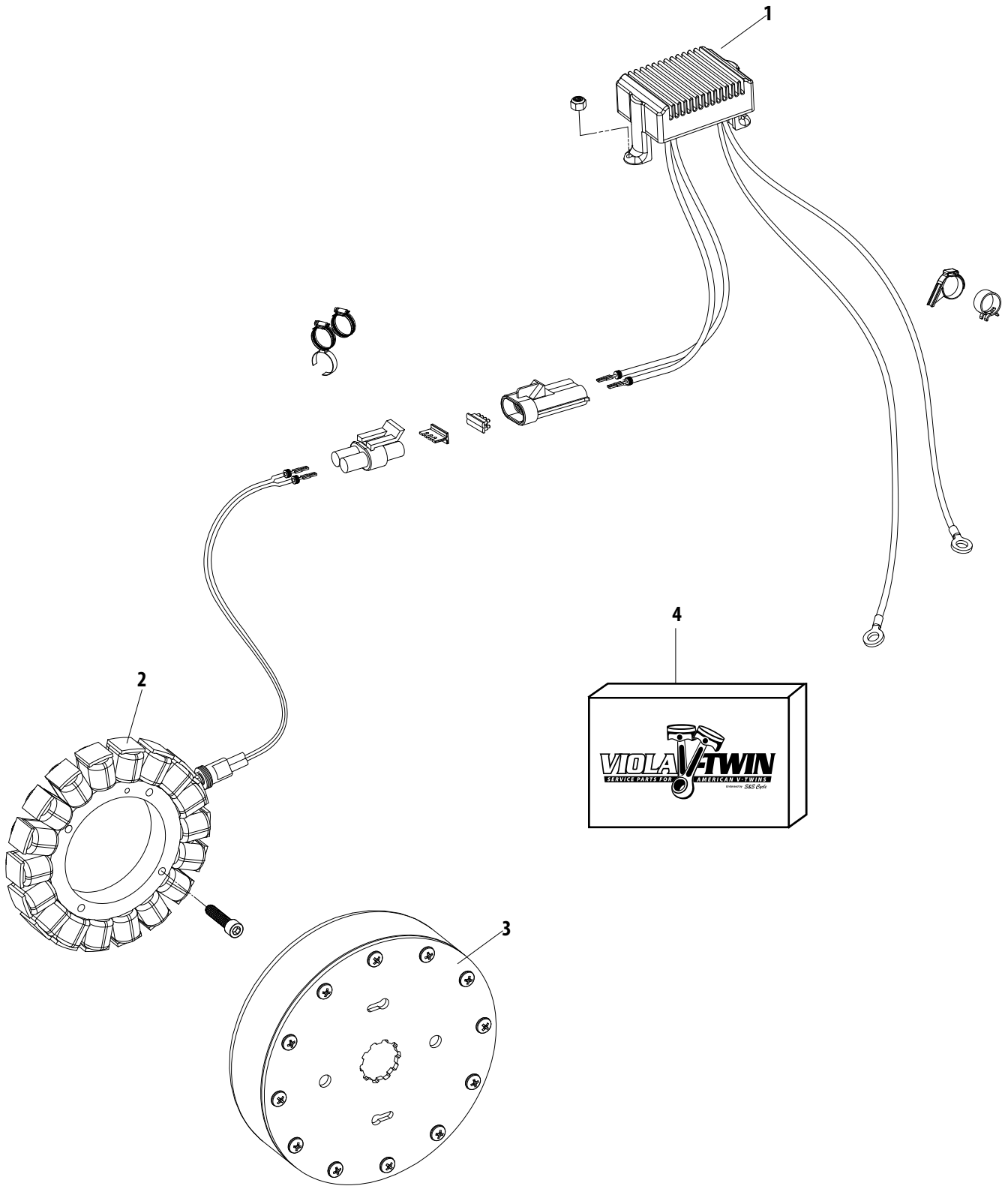
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#	Description	H-D Part No.	VVT Part No.
1	Regulator 1999-03 Dyna black	74518-99A	550-0342
	2004-'05 Dyna Regulator	74631-04	550-0348
	2006-'07 Dyna Regulator	74631-06	550-0349
	2000-'01 FLH, FLT Regulator black	74505-97	550-0322
	2002-'03 FLH, FLT Regulator chrome	74505-02	550-0320
	2004-'05 FLH, FLT Regulator chrome	74505-04	550-0321
	2006-'08 FLH, FLT Regulator	74505-06	550-0351
	2000 Softtail Regulator black	74512-00	550-0343
	2001-'06 Softtail Regulator black	74540-01	550-0344
	2	Stator 1999-'03 Dyna, 00 Softtail 32A	29951-99
Stator 2001-'06 Softtail, 04-06 Dyna 38A		30017-01	550-0345
Stator 1999-'01 FLH-FLT 38-48A		29987-99	550-0318
Stator 2002-'05 FLH-FLT 38-48A		29987-02	550-0317
Stator 2006-'13 FLH-FLT 50A		29987-06A	550-0356

NOT DIRECT SERVICE PARTS (SOLD AS ASSEMBLIES) Note: These products are compatible services as assemblies.

#	Description	VVT Part No.
2	Service Stator for 50 amp 84T kits	550-0363
4	Complete Charging System 1999-'03 Dyna	550-0308
	Complete Charging System 2004-'05 Dyna	550-0313
	Complete Charging System 1999-'03 FLH-FLT	550-0293
	Complete Charging System 2004-'05 FLH-FLT	550-0287
	Complete Charging System 2006 FLH-FLT	550-0288
	Complete Charging System 2000 all Softtail	550-0309
	Complete Charging System 2001-'06 all Softtail	550-0312

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PRIMARY HOUSING FOR 1999-2006 HARLEY-DAVIDSON BIG TWINS

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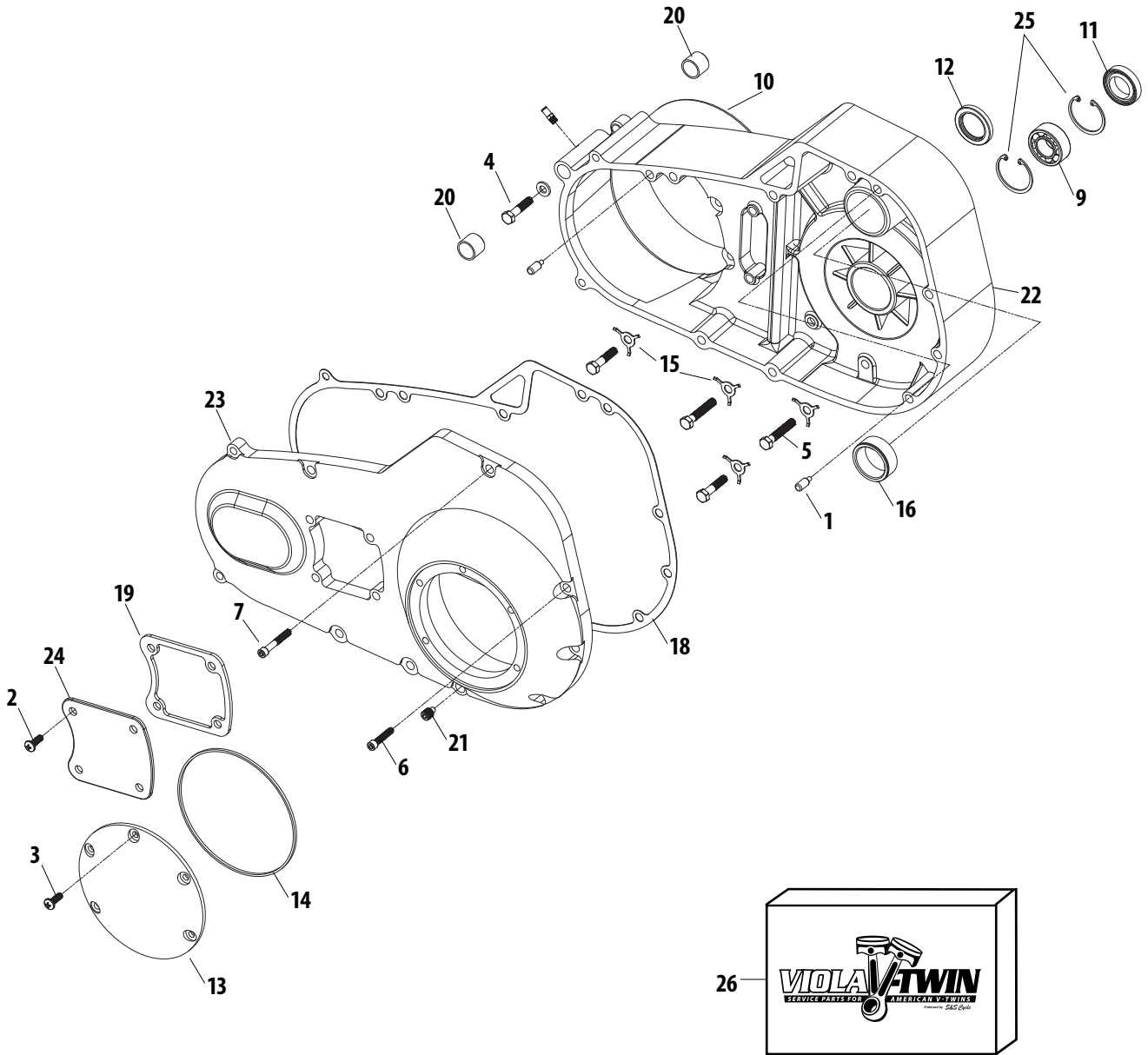
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#	Description	H-D Part No.	VVT Part No.
1	Pin (2)	221	—
2	Screw (4)	940	—
3	Screw (5)	961	—
4	Screw (4)	2887W	—
5	Bolt (3)	4086A	—
6	Screw w/Washer (5)	4718A	50-0079
7	Screw w/Washer (5)	4740A, 3482A	50-0008
8	Washer (2)	6320, 70907-07, 6016, 6702	50-7034
9	Bearing	9135	—
10	O-Ring, Housing Cover	11147B, 11147A	560-0238
11	Oil Seal	12052	—
12	Oil Seal	12066	—
13	Cover, Clutch (Polished)	25414-99	—
	Cover, Clutch (Chrome)	60668-99	—
14	Gasket, Derby Cover, 5 Hole, (Replaces O-Ring), 1999-Up bt,	25416-99C	560-0074
	Gasket, Derby Cover, 5 Hole, (Replaces O-Ring), 1999-Up bt, 5 Pack		560-0062
15	Locking Tab (5), 10 pack	33318-85	560-0114
16	Bushing	33445-94A	—
—	Bushing (Not Shown)	33446-94A	—
18	Gasket, Outer Primary Cover 1994-'06 FLT FXR	34901-94A	560-0053
	Gasket, Outer Primary Cover 1994-'06 FLT FXR 5 Pack		560-0054
	Gasket, Outer, Primary Cover, 1989-'06 Softail, 1989-'05 Dyna	60539-89, 60539-94B	560-0056
	Gasket, Outer, Primary Cover, 1989-'06 Softail, 1989-'05 Dyna, 5 Pack		560-0057
19	Gasket, Inspection Cover, 1985-'06 FXR, FLT, 5 Pack	34906-85A	560-0066
	Gasket, Inspection Cover, 1965-'06 Softail 4/5 Spd, 1989-'05 Dyna, 5 Pack	60567-65B	560-0073
20	Bushing (2)	42642-00	—
21	Plug, Magnetic	60333-02	—
22	Primary Housing Asm. (Black)	60432-01	—
	Primary Housing Asm. (Silver)	60661-01	—
23	Cover Assembly, Primary (Polished)	60664-99	—
	Cover Assembly, Primary (Chrome)	60665-99	—
24	Cover, Inspection (Chrome)	60670-85A	—
	Cover, Inspection (Polished)	60673-85B	—
25	Retaining Ring (2)	60678-85	—
26	Gasket Kit, Primary Rebuild, 1994-'06 FXST, 1994-'05 FXD		560-0039
	Gasket Kit, Primary Rebuild, 1994-'06 FLT FXR		560-0040

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GEAR SHIFTER

FOR 1999-2006 HARLEY-DAVIDSON BIG TWINS

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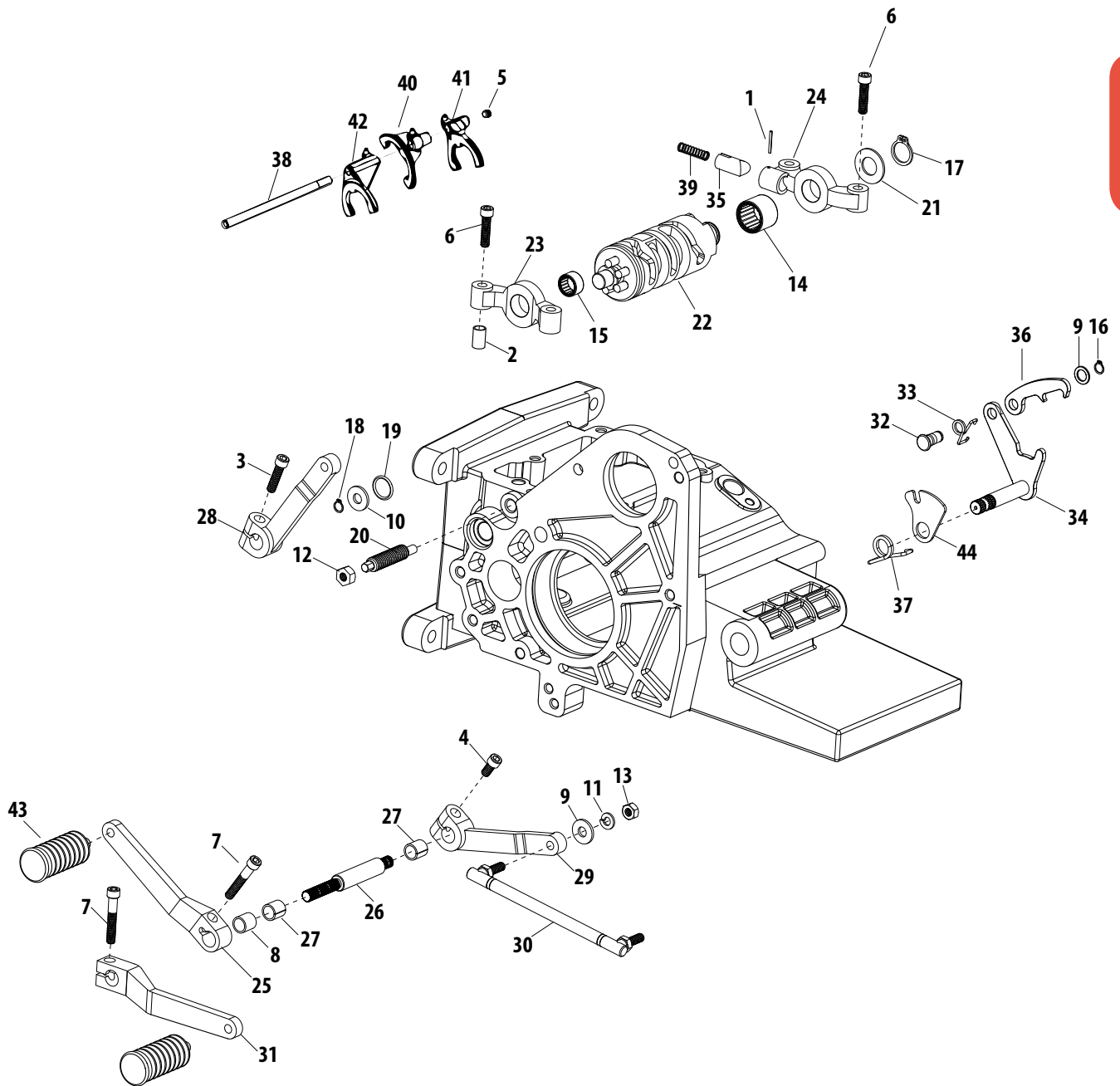
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#	Description	H-D Part No.	VVT Part No.
1	Roll Pin	601	—
2	Pin,Roll,.392" x .320",Steel (4)	609	50-8173
3	Screw	856A	560-0182
4	Screw	3594	50-0071
5	Set Screw, Shift Fork Shaft - Left	3784	560-0183
6	Bolt (4)	3908	560-0184
7	Screw (2)	4069A	—
8	Spacer	5702	—
9	Washer,Flat,.344" x .688" x .065",Zinc,Steel (2)	6320, 70907-07, 6016, 6702	50-7034
10	Washer	6497HW	560-0185
11	Lockwasher	7041	—
12	Nut,HH,7/16-14 UNC-3B x .260",Zinc,Steel	—	50-5044
13	Nut	7744	—
14	Needle Bearing	9114	—
15	Needle Bearing	9115	—
16	Retaining Ring	11016	560-0186
17	Retaining Ring	11083	—
18	Retaining Ring	11150	560-0187
19	Seal	12045	56-1064
20	Screw,Shift Lever Adjust,5 Speed,Black,bt	33119-79B	56-1002
21	Thrust Washer, 0.017 Thick (As Required)	33205-80	—
	Thrust Washer, 0.020 Thick (As Required)	33206-80	—
	Thrust Washer, 0.022 Thick (As Required)	33207-80	—
	Thrust Washer, 0.025 Thick (As Required)	33208-80	—
	Thrust Washer, 0.028 Thick (As Required)	33209-80	—
	Thrust Washer, 0.031 Thick (As Required)	33210-80	—
	Thrust Washer, 0.035 Thick (As Required)	33211-80	—
	Thrust Washer, 0.039 Thick (As Required)	33212-80	—
22	Shifter Cam	33320-98	560-0188
23	Support, Shifter Cam - Left	33326-79A	—
24	Support, Shifter Cam - Right	33332-79	—
25	Shift Lever, Toe	33640-83	—
26	Shaft	33709-82	—
27	Bushing, Shifter Bracket (2)	33713-85A	—
28	Lever, Shifter Rod	—	560-0189
29	Lever	33718-82	—
30	Shifter Rod	33759-99	—
31	Shift Lever, Heel	33895-82	—
32	Pin, Shifter Shaft Lever	34082-79	—
33	Spring, Shifter Shaft Lever	34083-79	—
34	Lever Assembly, Shifter Shaft w/#33 & 34	34084-86A	—
35	Cam Follower	34085-79A	—
36	Pawl, Shifter Cam	34086-79	—
37	Spring, Shifter Shaft	34087-79A	—
38	Shaft, Shifter Fork	34088-87	560-0190
39	Spring	34089-79	—
40	Shifter Fork	34191-79E	—
41	Shifter Fork	34193-79E	—
42	Shifter Fork	34195-79E	—
43	Peg, Shift Lever (2)	34611-65	—
44	Plate	35068-79	—

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TRANSMISSION BEARING AND COVERS FOR 1999-2006 HARLEY-DAVIDSON BIG TWINS

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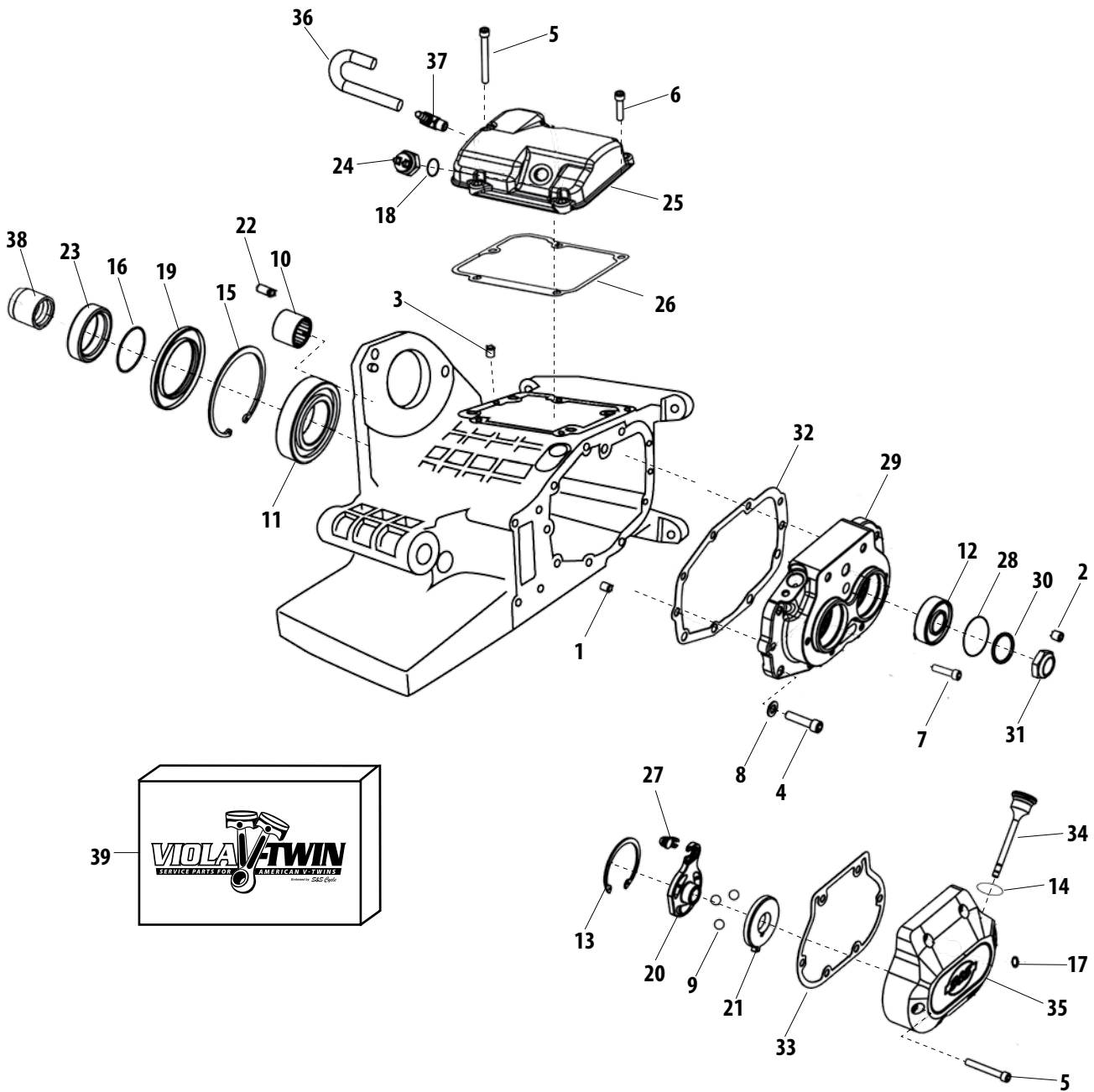
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#	Description	H-D Part No.	VVT Part No.
1	Pin	375	—
2	Pin,Roll,.392" x .320",Steel (2)	609	50-8173
3	Pin,Roll,.328" x .760",Zinc,Steel <i>each</i>	634	50-8175
4	Screw,SHCS,5/16-18 x 1-1/4",Zinc,ASTM A574-92A (4)	3210A	50-0121
5	Screw,SHCS,1/4-20 x 2-1/4",Zinc,ASTM A574-92A (6)	4717A	50-0078
6	Screw,SHCS,1/4-20 x 1-1/4",Zinc (4)	4740A, 3482A	50-0008
7	Screw (2)	4814A	—
8	Washer,Flat,.344" x .688" x .065",Zinc,Steel (4)	6320, 70907-07, 6016, 6702	50-7034
9	Ball,Check Valve,.375",Stainless Steel (3)	8866, 8873	50-8091
10	Bearing,Needle,Transmission Countershaft,1984-'99 bt Left Hand,1991-2003 xl	8977	56-3031
11	Bearing, Ball, Transmission Mainshaft, 10 Balls,45mm x 85mm x 19mm <i>See chart for high torque bearing option</i>	8996A	56-1280
12	Bearing,Ball,Transmission Countershaft,Left Hand,20mm x 47mm x 14mm,1991-'06 bt, 1991-'03 xl (2)	8992A, 8998	56-3026
13	Retaining Ring, Internal, HO-212	10998	—
14	O-Ring, Filler Plug	11132	560-0194
15	Retaining Ring,Internal,3.734" x .109",Carbon Steel,SAE 1060-1090	11161, 11599	50-8051
16	O-ring,Quad Seal,(-031),1.734" X 1.875",Black,Nitrile	11165	50-8045
17	O-Ring, Clutch Cable	11179	—
18	O-Ring, Neutral Indicator Switch	11290	560-0195
19	Seal,Transmission Output Shaft,2.255" x 3.388" x .250,1994-'06 bt, 1995-'03 xl	12067B	56-3033
20	Inner Ramp	25604-00	—
21	Outer Ramp	25605-00	—
22	Guide,Shifter Shaft,5 Speed Rigid Mount,1986-'06 bt	33114-79	56-1067
23	Spacer, Sprocket	33344-94	560-0196
24	Switch, Neutral Indicator, with O-Ring, 1998-2000 bt	33902-98	560-0197
	Switch, Neutral Indicator, with O-Ring, 2001-'06 bt	33904-00	—
25	Transmission Cover, Upper (Polished)	34464-98	560-0199
	Cover, Transmission Top, Chrome, Cast, 1991-2000 FLT (chrome)	34468-98A	—
	Cover, Transmission Top, Chrome, Cast, 1991-'99 Softail(chrome)	34541-00	—
	Cover, Upper, Softail (Black Wrinkle)	34544-00	560-0198
	Cover, Upper, Softail (Silver Painted)	34546-00	—
26	Gasket,Top Cover,Transmission,5 Speed,1991-2006 Softail, FLT	34904-86D	56-5107-S
27	Coupling	34920-86	—
28	Retaining Ring, Bearing (2)	35087-99A, 35087-99	560-0200
29	Bearing Housing Assembly, with Bearings & Retaining Rings (Silver) <i>See chart for complete Trap Door Assembly option</i>	35251-93C	—
	Bearing Housing Assembly, with Bearings & Retaining Rings (Black) <i>See chart for complete Trap Door Assembly option</i>	35252-93B	—
30	Spacer (2)	35076-79	—
31	Nut,Jam,HH,3/4-16 UNF-2B,Steel/Nylon	35078-79	56-1278-S
32	Gasket, Bearing Housing	35653-98	560-0201
33	Gasket, Right Side Cover	36801-87B	560-0202
34	Dipstick,Oil,(Polished)	37071-87	—
	Dipstick,Oil,(Chrome)	37075-87	—
35	Clutch Release Cover (Polished)	37081-99	560-0203
	Clutch Release Cover (Chrome)	37105-99	560-0204
36	Vent Hose	42533-91A	—
37	Fitting, Upper Cover	62375-57	560-0205
38	Bearing, Inner Race <i>See chart for Inner Race Bearing option</i>	34091-85, 34091-85A	560-0206

NOT DIRECT SERVICE PARTS (SOLD AS ASSEMBLIES) *Note: These products are compatible services as assemblies.*

#	Description	VVT Part No.
29	Trap Door, Transmission, 5 Speed Rigid Mount, w/Starter Mounting Tab, Natural, Billet, 1999-'05 Dyna, 1999-'06 Softail	56-1025
11	Bearing, Kit, High Torque, Baker™, 1994-'06 bt	560-0207
5	Race,Inner,Transmission Mainshaft,5/6 Speed, <i>longer design to lock into mainshaft to prevent movement</i>	56-5089
39	Baker, Transmission Rebuild Kit 94-06 ST/FXR/FLT/FLH includes, all bearing, gaskets, seals, thrust washers	560-0168
	Baker Master Rebuild Kit Big Twin 5 speed 94-06 ST/FXR/FLT/FLH includes all gaskets, bearings, thrust washers, seals, shift forks, heavy duty throwout bearing, shift drum, shifter pawl.	560-0176

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TRANSMISSION HOUSING AND OIL TANK FOR 1999-2006 HARLEY-DAVIDSON BIG TWINS

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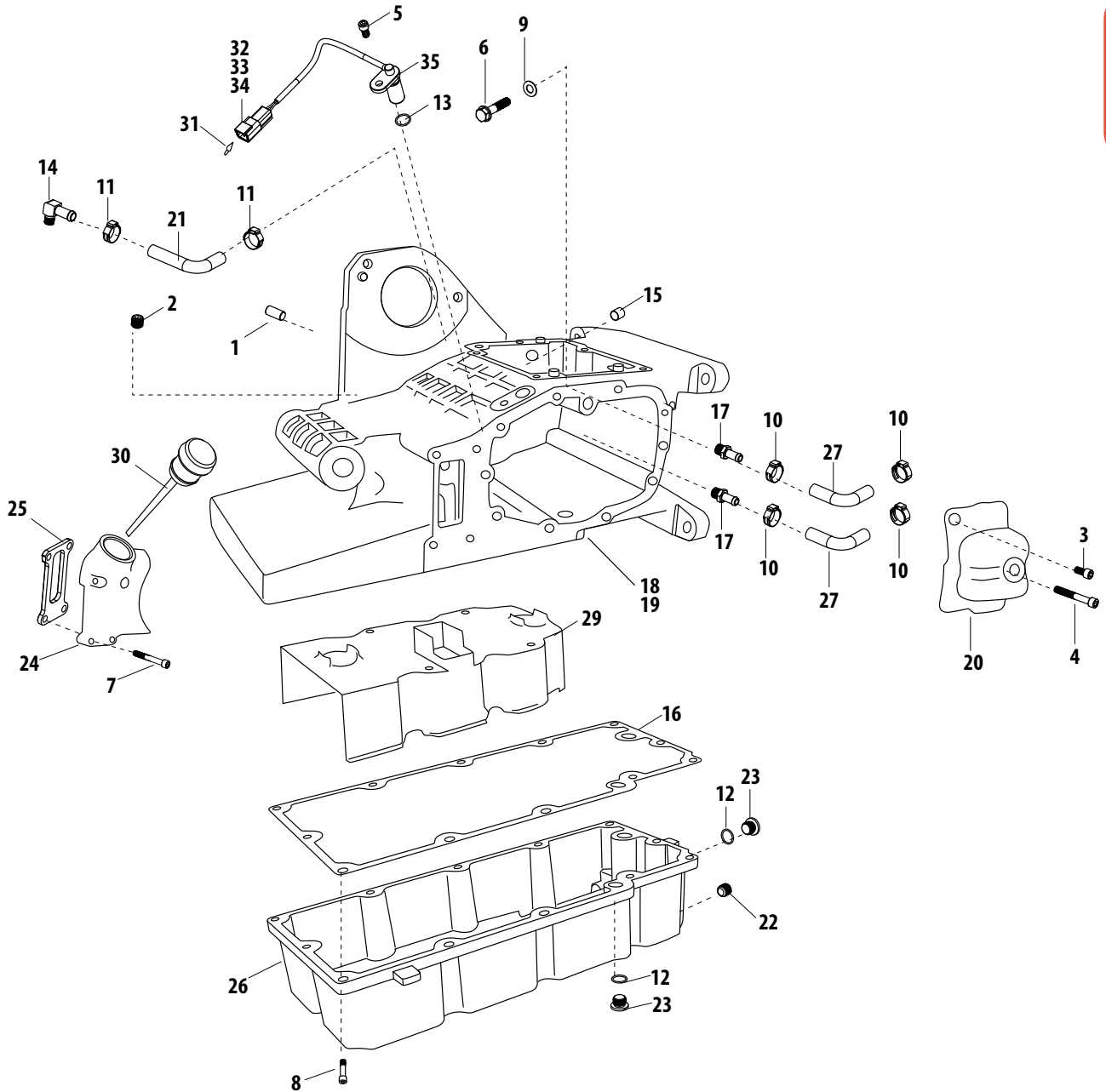
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#	Description	H-D Part No.	VVT Part No.
1	Dowel Pin	337	—
2	Plug	765	—
3	Screw	2941	—
4	Screw,SHCS,1/4-20 x 1-3/4",Zinc	3480A, 891, 4810	50-0010-S
5	Screw,SHC,1/4-20 x 5/8",Zinc,Steel	3594	50-0071
6	Bolt (4)	3699B	—
7	Screw (4)	4718A	50-0079
8	Screw,SHCS,w/ Flat Washer,1/4-20 x 1",Zinc,ASTM A574-92A each	4741A	50-0092-S
	Screw,SHCS,w/ Flat Washer,1/4-20 x 1",Zinc,ASTM A574-92A,4 Pack		50-0092P
9	Washer (4)	6448HB	—
10	Clamp, Hose (4)	10157	—
11	Clamp, Hose (2)	10198	—
12	O-Ring (2)	11105, 11273	50-8008
	O-Ring 10 Pack	11105, 11273	50-8078
13	O-Ring	11140	—
14	Elbow	16305-99	—
15	Dowel Ring (2)	16574-99	—
16	Gasket, Oil Pan, 1999-up Touring	26077-99	310-0440
	Gasket, Oil Pan, 1999-up Touring, 10 pack	26077-99	310-0441
	Gasket, oil pan, 1999-up Dyna	26072-99	310-0442
	Gasket, oil pan, 1999-up Dyna, 10 pack	26072-99	310-0443
17	Fitting, Straight (2)	26314-99	—
18	Transmission Housing (Silver)	34765-99	—
	Transmission Housing (Black)	34740-99	—
19	Transmission Assembly, Complete (Chrome & Black)	33013-00	—
	Transmission Assembly, Complete (Silver Painted & Polished)	33020-00	—
	Transmission Assembly, Complete (Chrome & Black)	33035-00	—
20	Cover, Oil Lines (Silver)	37173-99	—
	Cover, Oil Lines (Black)	37174-99	—
21	Hose, Crankcase to Tank Vent	45795-99	—
22	Pipe Plug	45893-99	—
23	Plug, Magnetic (2)	60348-65B	—
24	Oil Filler Spout (Silver) See chart on next page for oil spout options	62419-99	—
	Oil Filler Spout (Black) See chart on next page for oil spout options	62429-99	—
25	Gasket,Oil Filler Spacer,Transmission	62432-93, 62432-93B	56-1599-S
26	Oil Pan, 1999-up Touring, (Black)	62489-99A	560-0096
	Oil Pan (Silver)	62490-99	—
	Oil Pan, (Black), 1999-up Dyna	26085-99A	560-0097
27	Hose, Oil (2)	62726-99	—
—	Spring, Baffle (Not Shown)	62828-99	—
29	Baffle, Serpentine	62830-99	—
30	Filler Cap, Engine Oil (Black)	62846-99	—
	Filler Cap, Engine Oil (Silver)	62849-99	—
31	Secondary Lock, Three-Way Receptacle	72143-94	—
32	Receptacle, 3-Way Pin	72113-94RD	—
33	Terminal, Pin (3)	72190-94	—
34	Attachment Clip	73198-96	—
35	Speed Sensor, with O-Ring and Connector Assembly	74429-97	—

NOT DIRECT SERVICE PARTS (SOLD AS ASSEMBLIES) Note: These products are compatible services as assemblies.

#	Description	VVT Part No.
24	Oil Spout, Kit, Baker™, Black, 2002-'06 FLH	560-0208
	Oil Spout, Kit, Baker™, Chrome, 2002-'06 FLH	560-0209
	Oil Spout, Kit, Baker™, Polished, 2002-'06 FLH	560-0210

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TRANSMISSION GEARS

FOR 1999-2006 HARLEY-DAVIDSON BIG TWINS

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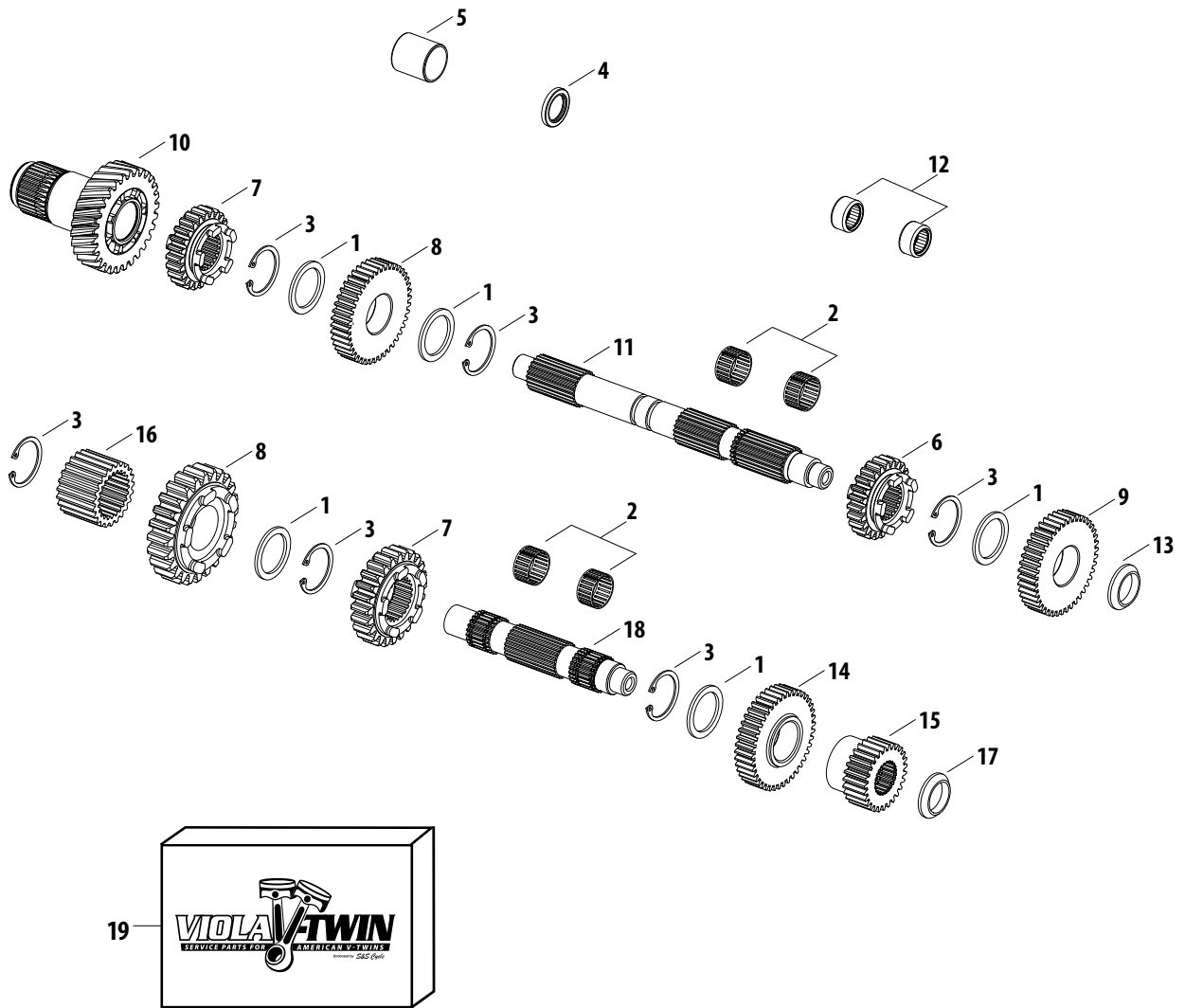
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#	Description	H-D Part No.	VVT Part No.
1	Thrust Washer (5) All, 1994-'06 bt	6003	560-0211
2	Bearing (4) All, 1994-'06 bt	8876A	560-0236
3	Retaining Ring (6) All, 1994-'06 bt	11067	560-0212
4	Oil Seal, Mainshaft Fifth Gear All, 1994-'06 bt	12035B	560-0217
5	Bearing, Inner Race All, 1994-'06 bt	34091-85, 34091-85A	560-0206
6	First Gear, Mainshaft All, 1994-'06 bt	35025-79B	560-0218
7	Gear, Mainshaft 2Nd & Countershaft 3Rd (2) All, 1994-'06 bt	35026-94	560-0219
8	Gear, Mainshaft 3Rd & Countershaft 2Nd (2) All, 1994-'06 bt	35027-94	560-0214
9	Fourth Gear, Mainshaft All, 1994-'06 bt	35028-94	560-0220
10	Fifth Gear, Mainshaft W/# 12035B & 35051-89 All, 1994-'06 bt	35029-94	560-0221
11	Mainshaft All, 1994-'06 bt	35042-91	560-0222
12	Needle Bearing (2) All, 1994-'06 bt	35051-89	560-0215
13	Spacer, Mainshaft All, 1994-'06 bt	35064-79	560-0223
14	First Gear, Countershaft All, 1994-'06 bt	35622-79C	560-0225
15	Fourth Gear, Countershaft All, 1994-'06 bt	35625-94	560-0216
16	Fifth Gear, Countershaft All, 1994-'06 bt	35626-94	560-0226
17	Spacer All, 1994-'06 bt	35629-79	560-0227
18	Countershaft All, 1994-'06 bt	35632-79	560-0228

NOT DIRECT SERVICE PARTS (SOLD AS ASSEMBLIES) Note: These products are compatible services as assemblies.

#	Description	VVT Part No.
19	Main Drive Gear Assembly. 94-06bt incl 1x 12035B, 2x HK 2520, 1x 11599-90, and 1x 61005M	560-0237
	Baker Transmission Rebuild Kit 94-06 ST/FXR/FLT/FLH includes, all bearing, gaskets, seals, thrust washers	560-0168
	Baker Master Rebuild Kit Big Twin 5 speed 94-06 ST/FXR/FLT/FLH includes all gaskets, bearings, thrust washers, seals, shift forks, heavy duty throwout bearing, shift drum, shifter pawl.	560-0176

Harley-Davidson® Twin Cam 88® Models



Parts for
Twin Cam 96™/103™
2007-2015

Parts for
Twin Cam 88®
1999-2006

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1984-1999

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CLUTCH

FOR 1999-2006 HARLEY-DAVIDSON BIG TWINS

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1984-1999

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Parts for
Knuckleheads

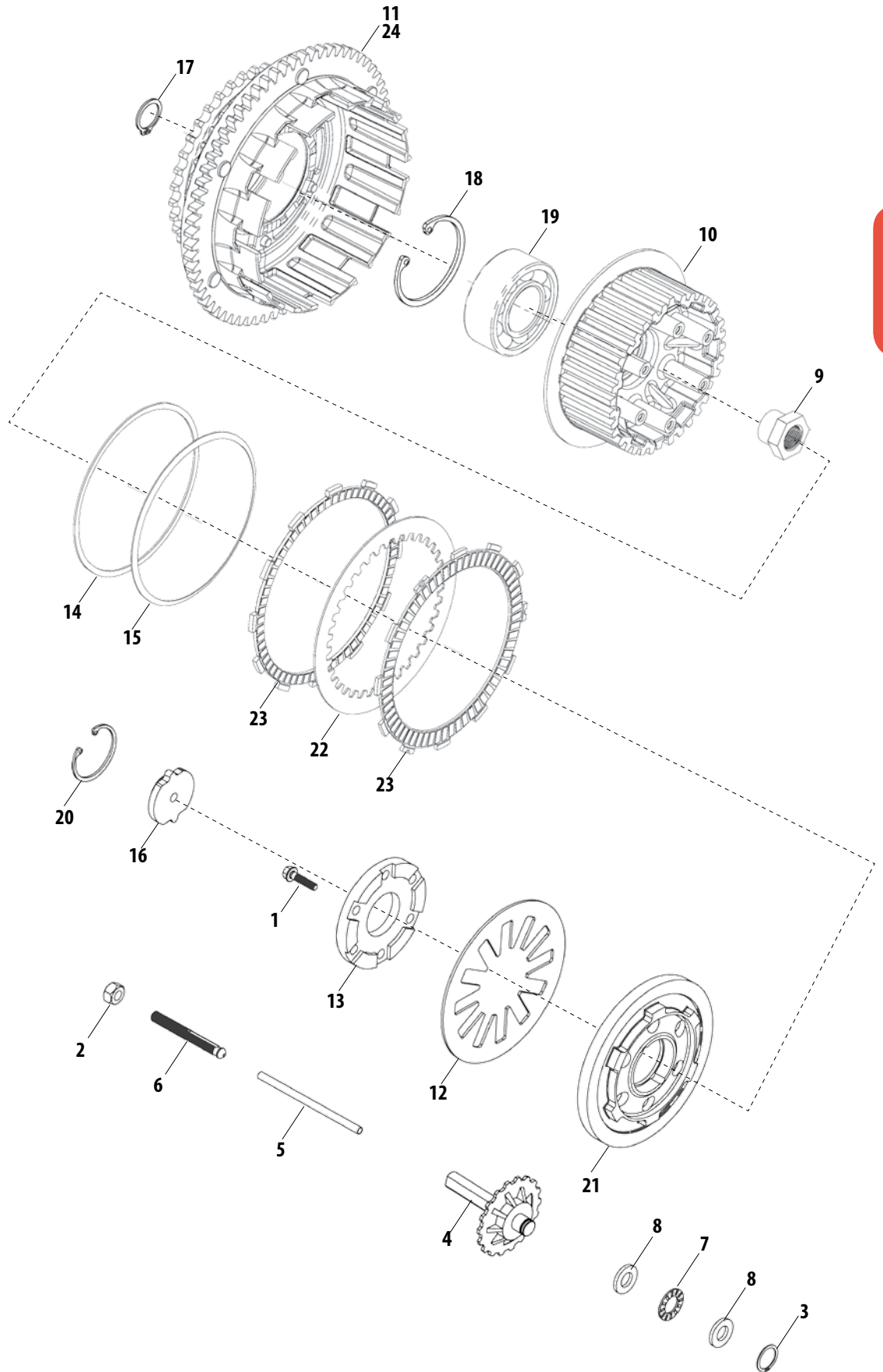
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#	Description	H-D Part No.	VWT Part No.
1	Screw (6)	2980	—
2	Locknut	7848W	—
3	Retaining Ring	11096	—
4	Pushrod End , 1994-'06 bt	37069-90A, 37069-90	560-0229
5	Pushrod, Clutch Release	37088-90	560-0230
6	End, Pushrod - Left	37090-98A	—
7	Bearing, Pushrod , 1994-'06 bt <i>See chart for heavy duty throwout bearing</i>	37312-75	560-0231
8	Thrust Washer (2) , 1994-'06 bt	37313-80	560-0181
9	Nut, Mainshaft	37496-90	—
10	Clutch Hub	37550-98	—
11	Clutch Shell & Sprocket, 36 Tooth w/Ring Gear, Bearing, & Retaining Ring	37707-98A	—
	Clutch Shell & Sprocket, 37 Tooth w/Ring Gear, Bearing, & Retaining Ring	37846-99A	—
12	Spring, Diaphragm , 1994-'06 bt	37871-84	560-0137
13	Retainer, Diaphragm Spring	37872-98	—
14	Seat, Damper Spring	37883-98	—
15	Damper Spring	37884-98	—
16	Release Plate	37903-90	—
17	Retaining Ring, Internal	37904-90	—
18	Retaining Ring, Internal	37905-00	—
19	Bearing, Ball - Double Row	37906-90	—
20	Retaining Ring, Internal	37909-90	—
21	Pressure Plate	37912-98	—
22	Steel Plate (8)	37913-98	560-0129
23	Friction Plate Kit, Includes All Nine Friction Plates	37932-98, 37911-98, 37885-98	560-0128

NOT DIRECT SERVICE PARTS (SOLD AS ASSEMBLIES) <i>Note: These products are compatible services as assemblies.</i>		
#	Description	VWT Part No.
7	Baker Heavy Duty Throwout bearing kit Includes side cover gasket, ball and ramp Assembly, bearing, spacers and clip.	560-0165
12	Spring, Diaphragm	560-0138
	Clutch,Kit,36 Tooth Sprocket,Mechanical Actuation,S&S High Performance Clutch,Updated Design,1991-2006 bt, Except '06 Dyna	56-5150A
	Clutch,Kit,37 Tooth Sprocket,Mechanical Actuation,S&S High Performance Clutch,Updated Design,1991-2006 bt, Except Dyna	56-5151A
	Clutch,Kit,36 Tooth Sprocket,Use w/ HD Hydraulic Actuator,S&S High Performance Clutch,Updated Design,1991-2006 bt, Except Dyna	56-5152A
	Clutch,Kit,37 Tooth Sprocket,Use w/ HD Hydraulic Actuator,S&S High Performance Clutch,Updated Design,1991-2006 bt, Except Dyna	56-5153A

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BELTS, CHAINS AND SPROCKETS FOR 1999-2006 HARLEY-DAVIDSON BIG TWINS

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Parts for
Knuckleheads

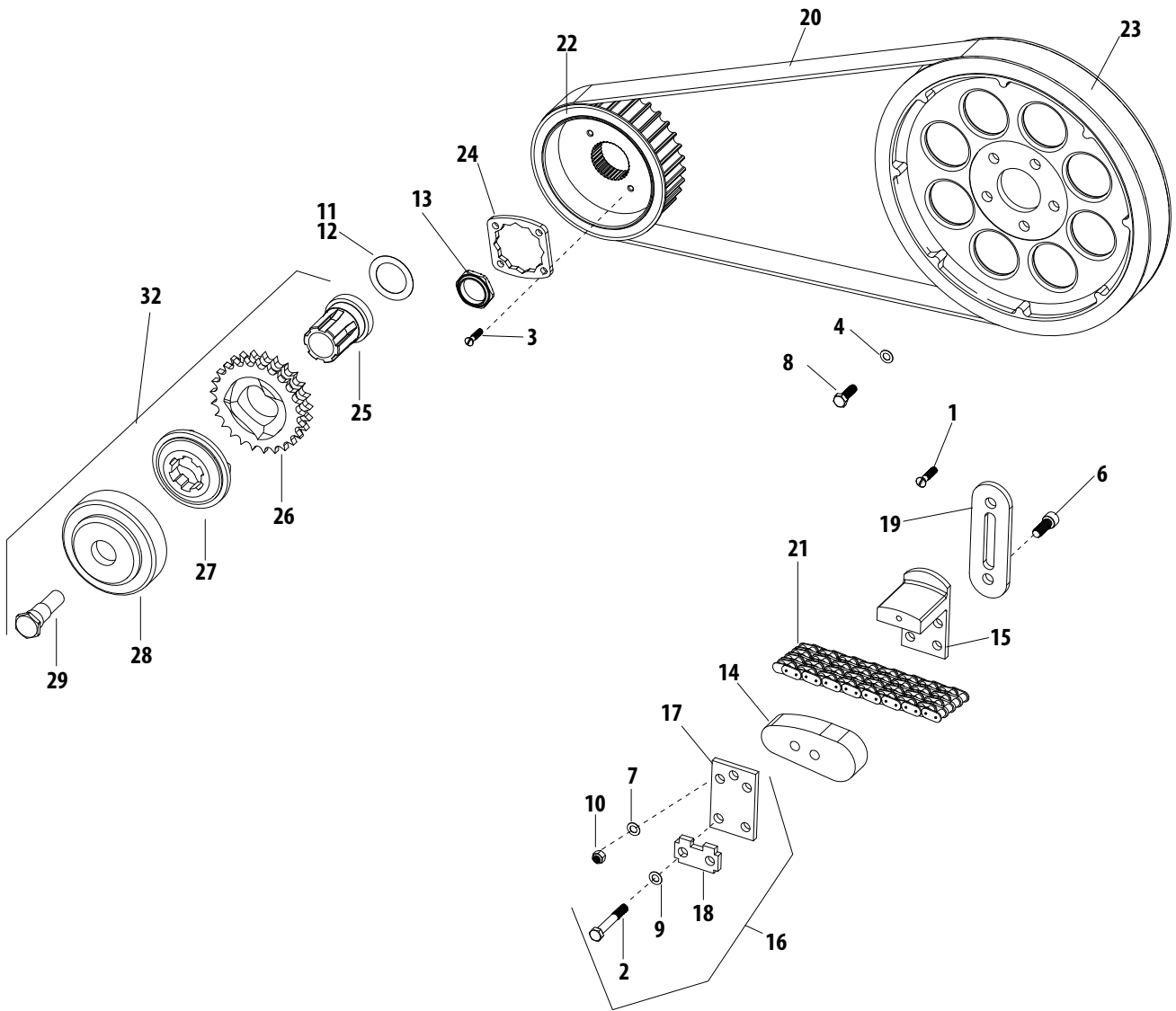
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#	Description	H-D Part No.	VVT Part No.
1	Screw (2)	1783A	-
2	Bolt (2)	2614	-
3	Screw (2)	3594	50-0071
4	Bolt (5)	3899	-
6	Bolt	5444	-
7	Washer	6400HB	-
8	Washer (5)	6516HW	-
9	Washer (2)	6194, 6245, 6703, 6736, 6228W, 6192	50-7021
10	Nut	7778	-
11	Spacer, Sprocket Shaft - 0.020 Thick	35851-84	-
12	Spacer, Sprocket Shaft - 0.055 Thick	35853-96	-
	Spacer, Sprocket Shaft - 0.06 Thick	24032-70	-
	Spacer, Sprocket Shaft - 0.09 Thick	24033-70	-
	Spacer, Sprocket Shaft - 0.12 Thick	24034-70	-
	Spacer, Sprocket Shaft - 0.15 Thick	24035-70	-
	Spacer, Sprocket Shaft - 0.18 Thick	24036-70	-
	Spacer, Sprocket Shaft - 0.21 Thick	24037-70	-
	Spacer, Sprocket Shaft - 0.01 Thick	35850-84	-
	Spacer, Sprocket Shaft - 0.02 Thick	35851-84	-
	Spacer, Sprocket Shaft - 0.03 Thick	35852-84	-
13	Nut, Sprocket	35211-91A	560-0224
14	Pad, Chain Tensioner	39976-65B	560-0232
15	Chain Tensioner	39990-65	-
16	Chain Tensioner Mtg. Kit, W/#5, 6 & 8	39992-65C	-
17	Plate, Chain Tensioner	39993-65	-
18	Lockwasher, Chain Tensioner Plate	39996-65	-
19	Anchor Plate, Chain Tensioner	39998-65	-
20	Rear Belt - 139 T <i>See Chart For Belt Options</i>	40024-97	-
21	Primary Chain 94-06 FLH, FXR	40037-79A	560-0233
	Primary Chain, 1994-'06 Softail, Dyna™	40037-79A	560-0240
22	Sprocket, Transmission, 32 T	40250-94	560-0234
23	Sprocket, Rear, 70 T - (Black)	40217-00	-
24	Lockplate	40251-92A	560-0235
25	Shaft Extension	40266-85A	560-0143
26	Compensating Sprocket, 24 T	40269-85A	560-0142
	Compensating Sprocket, 25 T	40308-94	560-0141
27	Sliding Cam	40299-83A	-
28	Cover Assembly, W/Springs	40384-91	-
29	Nut	40392-91	560-0144

NOT DIRECT SERVICE PARTS (SOLD AS ASSEMBLIES) <i>Note: These products are compatible services as assemblies.</i>		
#	Description	VVT Part No.
16	Tensioner, Chain, Primary, Adjuster, 1990-'06 bt	560-0145
32	Compensator, Assembly, Sprocket, Complete, 25T, 1994-2006 bt	560-0139
32	Compensator, Assembly, Sprocket, Complete, 24T, 1990-'93 Softail	560-0140

Harley-Davidson® Twin Cam 88® Models



GATES CARBON FIBER X3N SECONDARY DRIVE BELTS (14MM PITCH)		
Teeth	1½" Wide	1½" Wide
125	106-0357	-
126	-	106-0348
127	-	106-0349
128	106-0358	106-0350
130	106-0359	106-0351
132	106-0360	106-0352
133	106-0361	106-0353
135	106-0362	106-0354
136	-	106-0355
139	106-0363	106-0356
149	106-1338	-
156	-	106-2827

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HARLEY-DAVIDSON EVOLUTION MODELS

COMPLETE JOB KITS — everything you need to do the job

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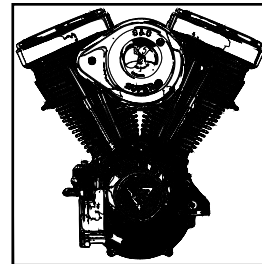
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Crate Engines	VVT Part No.
Engine,V96R,Super E 50 State,Super Stock Ignition,WBlack,1984-'98 bt	31-9156
Engine,V96R,Super E 50 State,Super Stock Ignition,Natural,1984-'98 bt	31-9155
Engine,V80,508 Cam,no intake, WBlack,1984-'99 bt	310-0233
Engine, V80, 508 Cam, no intake, Natural, 1984-'99 bt	310-0232
Engine, V80, Super E, Super Stock Ignition,508 Cam, Natural,1984-'99 bt	310-0237
Engine,V80,Super E,Super Stock Ignition,508 Cam,WBlack,1984-'99 bt	310-0238



Top End Rebuild	Contains	VVT Part No.
Top End Rebuild 3.500" Bore 92-99 bt		900-0648
contains	Gasket, Kit, Top End, Stock Bore, 1992-'99 bt	900-0576
	Piston,Set,3-1/2",Std,80",Fd,.792",84-'99 bt	920-0015
Top End Rebuild 3.500" +.010" Bore 92-99 bt		900-0649
contains	Gasket, Kit, Top End, Stock Bore, 1992-'99 bt	900-0576
	Piston,Set,3-1/2",+.010,80",Fd,.792",84-'99 bt	920-0026
Top End Rebuild 3.500" +.020" Bore 92-99 bt		900-0650
contains	Gasket, Kit, Top End, Stock Bore, 1992-'99 bt	900-0576
	Piston,Set,3-1/2",+.020",80",Fd,.792",84-'99 bt	920-0027
Top End Rebuild 3.500" Bore 84-91 bt		900-0651
contains	Gasket, Kit, Top End, Stock Bore, 1984-'99 bt	900-0577
	Piston,Set,3-1/2",Std,80",Fd,.792",84-'99 bt	920-0015
Top End Rebuild 3.500" +.010" Bore 84-91 bt		900-0652
contains	Gasket, Kit, Top End, Stock Bore, 1984-'99 bt	900-0577
	Piston,Set,3-1/2",+.010,80",Fd,.792",84-'99 bt	920-0026
Top End Rebuild 3.500" +.020" Bore 84-91 bt		900-0653
contains	Gasket, Kit, Top End, Stock Bore, 1984-'99 bt	900-0577
	Piston,Set,3-1/2",+.020",80",Fd,.792",84-'99 bt	920-0027
Complete Engine Overhaul	Contains	VVT Part No.
Complete Engine Overhaul 3.500" Bore 92-99 bt		310-0465
contains	Gasket, Kit, Complete, Stock Bore, 1992-99 bt	310-0413
	Piston,Set,3-1/2",Std,80",Fd,.792",84-'99 bt	920-0015
Complete Engine Overhaul 3.500" +.010" Bore 92-99 bt		310-0466
contains	Gasket, Kit, Complete, Stock Bore, 1992-99 bt	310-0413
	Piston,Set,3-1/2",+.010,80",Fd,.792",84-'99 bt	920-0026
Complete Engine Overhaul 3.500" +.020" Bore 92-99 bt		310-0467
contains	Gasket, Kit, Complete, Stock Bore, 1992-99 bt	310-0413
	Piston,Set,3-1/2",+.020",80",Fd,.792",84-'99 bt	920-0027
Complete Engine Overhaul 3.500" Bore 84-91 Touring, FXR		310-0468
contains	Gasket, Kit, Complete, Stock Bore, 1984-'99 bt	310-0415
	Piston,Set,3-1/2",Std,80",Fd,.792",84-'99 bt	920-0015
Complete Engine Overhaul 3.500" +.010" Bore 84-91 Touring, FXR		310-0469
contains	Gasket, Kit, Complete, Stock Bore, 1984-'99 bt	310-0415
	Piston,Set,3-1/2",+.010,80",Fd,.792",84-'99 bt	920-0026
Complete Engine Overhaul 3.500" +.020" Bore 84-91 Touring, FXR		310-0470
contains	Gasket, Kit, Complete, Stock Bore, 1984-'99 bt	310-0415
	Piston,Set,3-1/2",+.020",80",Fd,.792",84-'99 bt	920-0027
Complete Engine Overhaul 3.500" Bore 89-91 Softail, Dyna		310-0471
contains	Gasket, Kit, Complete, Stock Bore, 1989-'99 bt	310-0414
	Piston,Set,3-1/2",Std,80",Fd,.792",84-'99 bt	920-0015
Complete Engine Overhaul 3.500" +.010" Bore 89-91 Softail, Dyna		310-0472
contains	Gasket, Kit, Complete, Stock Bore, 1989-'99 bt	310-0414
	Piston,Set,3-1/2",+.010,80",Fd,.792",1984-'99 bt	920-0026
Complete Engine Overhaul 3.500" +.020" Bore 89-91 Softail, Dyna		310-0473
contains	Gasket, Kit, Complete, Stock Bore, 1989-'99 bt	310-0414
	Piston,Set,3-1/2",+.020",80",Fd,.792",84-'99 bt	920-0027
Complete Engine Overhaul 3.500" Bore 84-88 Softail, Dyna		310-0474
contains	Gasket, Kit, Complete, Stock Bore, 1984-'99 bt	310-0416
	Piston,Set,3-1/2",Std,80",Fd,.792",84-'99 bt	920-0015
Complete Engine Overhaul 3.500" +.010" Bore 84-88 Softail, Dyna		310-0475
contains	Gasket, Kit, Complete, Stock Bore, 1984-'88 bt	310-0416
	Piston,Set,3-1/2",+.010,80",Fd,.792",84-'99 bt	920-0026

Complete Engine Overhaul 3.500" +.020" Bore 84-88 Softail, Dyna		310-0476
contains	Gasket, Kit, Complete, Stock Bore, 1984-'88 bt	310-0416
	Piston,Set,3-1/2",+.020",80",Fd,.792",84-'99 bt	920-0027
Engine Change	Contains	VVT Part No.
Engine Change, 84-93 Touring, FXR		310-0477
contains	Gasket,Exhaust,Tapered,Stainless Steel,'84-15 bt/xl (2)	106-5029
	Gasket,Kit,Primary,Rebuild,1980-'93 FLT,FLH,FXR	560-0042
	Seal,Intake,Stock Heads,84-Up bt,86-Up xl (2)	16-0236
	Hardware Kit;Crankcase;Stator Bolts	31-0113
Engine Change, 89-93 Softail, Dyna		310-0478
contains	Gasket,Exhaust,Tapered,Stainless Steel,'84-15 bt/xl (2)	106-5029
	Gasket,Kit,Primary,Rebuild,1989-'93 FXST,FX	560-0041
	Seal,Intake,Stock Heads,84-Up bt,86-Up xl (2)	16-0236
	Hardware Kit;Crankcase;Stator Bolts	31-0113
Engine Change, 84-88 Softail, Dyna		310-0478
contains	Gasket,Exhaust,Tapered,Stainless Steel,'84-15 bt/xl (2)	106-5029
	Gasket,Kit,Primary,Rebuild,1965-'88 FXST,FX	560-0043
	Seal,Intake,Stock Heads,84-Up bt,86-Up xl (2)	16-0236
	Hardware Kit;Crankcase;Stator Bolts	31-0113
Lifter Service	Contains	VVT Part No.
Lifter Service w/Quicke Pushrods 84-99 bt		330-0313
contains	Tappet,Set,Hydraulic,1984-'99 bt	33-5352
	Gasket;Set;Tappet Guide;1948-'99 bt	33-5302
	Pushrod,Set,Quicke,Hydr Tappet,80",98"	93-5120
	O-Ring;Kit;Pushrod Cover;1984-'99 bt	93-4022
Lifter Service W/O Pushrods 92-99 bt		330-0314
contains	Tappet,Set,Hydraulic,1984-'99 bt	33-5352
	Gasket;Set;Tappet Guide;1948-'99 bt	33-5302
	Gasket;Kit;Rocker Cover;Rubber;1992-'99	90-4047
	O-Ring;Kit;Pushrod Cover;1984-'99 bt	93-4022
Lifter Service w/o Pushrods 84-91 bt		330-0315
contains	Tappet,Set,Hydraulic,1984-'99 bt, 1986-'	33-5352
	Gasket;Set;Tappet Guide;1948-'99 bt	33-5302
	Gasket;Kit;Rocker Cover;Rubber;1984-'91	90-4046
	O-Ring;Kit;Pushrod Cover;1984-'99 bt, 19	93-4022
Replace Cam	Contains	VVT Part No.
Replace Cam w/Quicke Pushrods (Does Not Include Cam) 84-99 bt		330-0316
contains	Tappet,Set,Hydraulic,1984-'99 bt	33-5352
	Gasket;Set;Tappet Guide;1948-'99 bt	33-5302
	Pushrod,Set,Quicke,Hydr Tappet,80",98"	93-5120
	O-Ring;Kit;Pushrod Cover;1984-'99 bt	93-4022
	Bearing;Assembly;Needle;Cam	31-4009
	Seal, Gearcover, Cam	31-4022
	Gasket,Gearcover,Undersized Profile,70-99 bt	31-2107
Replace Cam w/Quicke Pushrods (Includes Cam) 84-99 bt		330-0318
contains	Tappet,Set,Hydraulic,1984-'99 bt	33-5352
	Gasket;Set;Tappet Guide;1948-'99 bt	33-5302
	Pushrod,Set,Quicke,Hydr Tappet,80",98",	93-5120
	O-Ring;Kit;Pushrod Cover;1984-'99 bt	93-4022
	Bearing;Assembly;Needle;Cam	31-4009
	Seal, Gearcover, Cam	31-4022
	Gasket,Gearcover,Undersized Profile,70-99 bt	31-2107
	Camshaft, 495, 84-99 bt	330-0290

Harley-Davidson® Evolution® Models

Replace Cam w/Stock Pushrods (Includes Cam) 92-99 bt		330-0319
contains	Tappet,Set,Hydraulic,1984-'99 bt	33-5352
	Gasket,Set;Tappet Guide;1948-'99 bt	33-5302
	Gasket,Kit;Rocker Cover,Rubber;1992-'99 bt	90-4047
	O-Ring;Kit;Pushrod Cover;1984-'99 bt	93-4022
	Bearing,Assembly;Needle;Cam	31-4009
	Seal, Gearcover, Cam	31-4022
	Gasket,Gearcover,Undersized Profile,70-99 bt	31-2107
Camshaft, 495, 84-99bt	330-0290	
Replace Cam w/Stock Pushrods (Includes Cam) 84-91 bt		330-0320
contains	Tappet,Set,Hydraulic,1984-'99 bt	33-5352
	Gasket,Set;Tappet Guide;1948-'99 bt	33-5302
	Gasket,Kit;Rocker Cover,Rubber;1984-'91 bt	90-4046
	O-Ring;Kit;Pushrod Cover;1984-'99 bt	93-4022
	Bearing,Assembly;Needle;Cam	31-4009
	Seal, Gearcover, Cam	31-4022
	Gasket,Gearcover,Undersized Profile,70-99 bt	31-2107
Camshaft, 495, 84-99bt	330-0290	
Replace Cam w/Stock Pushrods (Does Not Include Cam) 92-99 bt		330-0321
contains	Tappet,Set,Hydraulic,1984-'99 bt	33-5352
	Gasket,Set;Tappet Guide;1948-'99 bt	33-5302
	Gasket,Kit;Rocker Cover,Rubber;1992-'99 bt	90-4047
	O-Ring;Kit;Pushrod Cover;1984-'99 bt	93-4022
	Bearing,Assembly;Needle;Cam	31-4009
	Seal, Gearcover, Cam	31-4022
	Gasket,Gearcover,Undersized Profile,70-99 bt	31-2107
Replace Cam w/Stock Pushrods (Does Not Include Cam) 84-91 bt		330-0322
contains	Tappet,Set,Hydraulic,1984-'99 bt	33-5352
	Gasket,Set;Tappet Guide;1948-'99 bt	33-5302
	Gasket,Kit;Rocker Cover,Rubber;1984-'91 bt	90-4046
	O-Ring;Kit;Pushrod Cover;1984-'99 bt	93-4022
	Bearing,Assembly;Needle;Cam	31-4009
	Seal, Gearcover, Cam	31-4022
	Gasket,Gearcover,Undersized Profile,70-99 bt	31-2107
Rebuild Oil Pump		Contains VVT Part No.
Rebuild Oil Pump w/Quickie Pushrods 92-99 bt		310-0481
contains	Gasket,Set;Tappet Guide;1948-'99 bt	33-5302
	Pushrod,Set,Quickie,Hydraulic Tappet,80"-98", 113", 117", 124",Steel,1984-'99 bt	93-5120
	O-Ring;Kit;Pushrod Cover;1984-'99 bt	93-4022
	Seal, Gearcover, Cam	31-4022
	Gasket,Gearcover,Undersized Profile,70-99 bt	31-2107
	Rebuild Kit,Oil Pump,Master,Stock,1992-'99 bt	310-0393
	Rebuild Oil Pump w/Quickie Pushrods 84-91 bt	
contains	Gasket,Set;Tappet Guide;1948-'99 bt	33-5302
	Pushrod,Set,Quickie,Hydraulic Tappet,80"-98", 113", 117", 124",Steel,1984-'99 bt	93-5120
	O-Ring;Kit;Pushrod Cover;1984-'99 bt	93-4022
	Seal, Gearcover, Cam	31-4022
	Gasket,Gearcover,Undersized Profile,70-99 bt	31-2107
	Rebuild Kit,Oil Pump,Master,Stock,1984-'91 bt	310-0392
	Rebuild Oil Pump w/Stock Pushrods 92-99 bt	
contains	Gasket,Set;Tappet Guide;1948-'99 bt	33-5302
	Gasket,Kit;Rocker Cover,Rubber;1992-'99	90-4047
	O-Ring;Kit;Pushrod Cover;1984-'99 bt	93-4022
	Seal, Gearcover, Cam	31-4022
	Gasket,Gearcover,Undersized Profile,70-99 bt	31-2107
	Rebuild Kit,Oil Pump,Master,Stock,1992-'99 bt	310-0393
	Rebuild Oil Pump w/Stock Pushrods 84-91 bt	
contains	Gasket,Set;Tappet Guide;1948-'99 bt	33-5302
	Gasket,Kit;Rocker Cover,Rubber;1984-'91 bt	90-4047
	O-Ring;Kit;Pushrod Cover;1984-'99 bt	93-4022
	Seal, Gearcover, Cam	31-4022
	Gasket,Gearcover,Undersized Profile,70-99 bt	31-2107
	Rebuild Kit,Oil Pump,Master,Stock,1984-'91 bt	310-0392

Replace Oil Pump w/Quickie Pushrods 92-99 bt		310-0485
contains	Gasket,Set;Tappet Guide;1948-'99 bt	33-5302
	Pushrod,Set,Quickie,Hydraulic Tappet,80",98",	90-4047
	O-Ring;Kit;Pushrod Cover;1984-'99 bt	93-4022
	Seal, Gearcover, Cam	31-4022
	Gasket,Gearcover,Undersized Profile,70-99 bt	31-2107
	Oil Pump,Kit,Universal,Polished,Billet,92-99 bt	31-6205
Replace Oil Pump w/Quickie Pushrods 84-91 bt		310-0486
contains	Gasket,Set;Tappet Guide;1948-'99 bt	33-5302
	Pushrod,Set,Quickie,Hydraulic Tappet,80"-98", 113", 117", 124",Steel,1984-'99 bt	93-5120
	O-Ring;Kit;Pushrod Cover;1984-'99 bt	93-4022
	Seal, Gearcover, Cam	31-4022
	Gasket,Gearcover,Undersized Profile,70-99 bt	31-2107
	Oil Pump,Kit,Universal,Polished,Billet,1984-'91 bt	31-6203
Replace Oil Pump w/Stock Pushrods 92-99 bt		310-0487
contains	Gasket,Set;Tappet Guide;1948-'99 bt	33-5302
	Gasket,Kit;Rocker Cover,Rubber;1992-'99 bt	90-4047
	O-Ring;Kit;Pushrod Cover;1984-'99 bt	93-4022
	Seal, Gearcover, Cam	31-4022
	Gasket,Gearcover,Undersized Profile,70-99 bt	31-2107
	Oil Pump,Kit,Universal,Polished,Billet,1984-'91 bt	31-6205
Replace Oil Pump w/Stock Pushrods 84-91 bt		310-0488
contains	Gasket,Set;Tappet Guide;1948-'99 bt	33-5302
	Gasket,Kit;Rocker Cover,Rubber;1984-'91 bt	90-4046
	O-Ring;Kit;Pushrod Cover;1984-'99 bt	93-4022
	Seal, Gearcover, Cam	31-4022
	Gasket,Gearcover,Undersized Profile,70-99 bt	31-2107
	Oil Pump,Kit,Universal,Polished,Billet;1984-91	31-6203
Starter Service		Contains VVT Part No.
Starter Service, Chrome 94-99 FXR, Touring		550-0454
contains	Starter,Mtr,1.4Kw,Chrome,94-06 bt	550-0277
	Gasket,Out,Primary Cover,1994-2006 FLT,FXR	560-0053
	Gasket,Derby Cover,3 Hole,(Replaces O-Ring)	560-0075
	Gasket,Exhaust,Tapered,Stainless Steel,'84-15 bt/xl (2)	106-5029
Starter Service, Black 94-99 FXR, Touring		550-0455
contains	Starter,Mtr,1.4Kw,Black,94-06 bt	550-0276
	Gasket,Out,Primary Cover,1994-2006 FLT,FXR	560-0053
	Gasket,Derby Cover,3 Hole,(Replaces O-Ring)	560-0075
	Gasket,Exhaust,Tapered,Stainless Steel,'84-15 bt/xl (2)	106-5029
Starter Service, Chrome 89-93 FXR, Touring		550-0456
contains	Starter,Mtr,1.4Kw,Chrome,94-06 bt	550-0277
	Gasket,Outer,Primary, 1980-'93 FLT,FXR	560-0093
	Gasket,Derby Cover,3 Hole,(Replaces O-Ring)	560-0075
	Gasket,Exhaust,Tapered,Stainless Steel,'84-15 bt/xl (2)	106-5029
Starter Service, Black 89-93 FXR, Touring		550-0457
contains	Starter,Mtr,1.4Kw,Black,94-06 bt	550-0276
	Gasket,Outer,Primary, 1980-'93 FLT,FXR	560-0093
	Gasket,Derby Cover,3 Hole,(Replaces O-Ring)	560-0075
	Gasket,Exhaust,Tapered,Stainless Steel,'84-15 bt/xl (2)	106-5029
Starter Service, Chrome 84-88 FXR, Touring		550-0458
contains	Starter,Mtr,Hitachi Type,Chrome,74-88 bt	550-0281
	Gasket,Outer,Primary, 1980-'93 FLT,FXR	560-0093
	Gasket,Derby Cover,3 Hole,(Replaces O-Ring)	560-0075
	Gasket,Exhaust,Tapered,Stainless Steel,'84-15 bt/xl (2)	106-5029
Starter Service, Black 84-88 FXR, Touring		550-0459
contains	Starter,Mtr,Hitachi Type,Black,1974-1988 bt	550-0282
	Gasket,Outer,Primary, 1980-'93 FLT,FXR	560-0093
	Gasket,Derby Cover,3 Hole,(Replaces O-Ring)	560-0075
	Gasket,Exhaust,Tapered,Stainless Steel,'84-12 bt/xl(2)	106-5029
Starter Service, Chrome 89-99 Softail, Dyna		550-0460
contains	Starter,Mtr,1.4Kw,Chrome,94-06 bt	550-0277
	Gasket,Out,Primary Cover,1989-'06 Softail,1989-'05 Dyna	560-0056
	Gasket,Derby Cover,3 Hole,(Replaces O-Ring)	560-0075
	Gasket,Exhaust,Tapered,Stainless Steel,'84-15 bt/xl (2)	106-5029

Note: VVT parts cross referenced to stock OEM parts are functionally identical, but may differ slightly in appearance. Line drawings are a typical representation and may not be an exact match. Please confirm the required stock part number for intended application before ordering. All reference to H-D® part numbers are for identification purposes only. We are in no way implying that any of the VVT products are original equipment parts or that they are equivalent to the corresponding H-D part number shown.

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Starter Service, Black 89-99 Softail, Dyna		550-0461
contains	Starter,Mtr,1.4Kw,Black,94-06 bt	550-0276
	Gasket,Out,Primary Cover,1989-'06 Softail,1989-'05 Dyna	560-0056
	Gasket,Derby Cover,3 Hole,(Replaces O-Ring)	560-0075
	Gasket,Exhaust,Tapered,Stainless Steel,'84-15 bt/xl (2)	106-5029
Starter Service, Chrome 84-88 Softail, Dyna		550-0462
contains	Starter,Mtr,Hitachi Type,Chrome,74-88 bt	550-0281
	Gasket, Outer, Primary, 4 Speed, '88-Dow	560-0091
	Gasket,Derby Cover,3 Hole,(Replaces O-Ring)	560-0075
	Gasket,Exhaust,Tapered,Stainless Steel,'84-15 bt/xl (2)	106-5029
Starter Service, Black 84-88 Softail, Dyna		550-0463
contains	Starter,Motor,Hitachi Type,Black,1974-1988 bt	550-0282
	Gasket, Outer, Primary, 4 Speed, 1965-'88 bt	560-0091
	Gasket,Derby Cover,3 Hole,(Replaces O-Ring)	560-0075
	Gasket,Exhaust,Tapered,Stainless Steel,'84-15 bt/xl (2)	106-5029
Replace Starter Clutch 94-98 Touring, FXR		550-0464
contains	Starter Clutch, w/Bearing, 1991-2006 bt	550-0371
	Gasket,Out,Primary Cover,1994-2006 FLT,FXR	560-0053
	Gasket,Derby Cover,3 Hole,(Replaces O-Ring)	560-0075
	Gasket,Exhaust,Tapered,Stainless Steel,'84-15 bt/xl (2)	106-5029
	O-Ring, Starter Oil Seal, Body To Drive,	550-0388
Replace Starter Clutch 91-93 Touring, FXR		550-0465
contains	Starter Clutch, w/Bearing, 1991-2006 bt	550-0371
	Gasket, Outer, Primary, 1980-'93 FLT,FXR	560-0093
	Gasket,Derby Cover,3 Hole,(Replaces O-Ring)	560-0075
	Gasket,Exhaust,Tapered,Stainless Steel,'84-15 bt/xl (2)	106-5029
	O-Ring, Starter Oil Seal, Body To Drive,	550-0388
Replace Starter Clutch 89-90 Touring, FXR		550-0466
contains	Starter Clutch, w/Bearing, 1989-'90 bt	550-0372
	Gasket, Outer, Primary, 1980-'93 FLT,FXR	560-0093
	Gasket,Derby Cover,3 Hole,(Replaces O-Ring)	560-0075
	Gasket,Exhaust,Tapered,Stainless Steel,'84-15 bt/xl (2)	106-5029
	O-ring, Starter Oil Seal, Body To Drive, 1991-2006 bt	550-0388
Replace Starter Clutch 84-88 Touring, FXR		550-0467
contains	Starter Clutch, 1967-'80 xl,1965-'88 bt	550-0374
	Gasket, Outer, Primary, 1980-'93 FLT,FXR	560-0093
	Gasket,Derby Cover,3 Hole,(Replaces O-Ring)	560-0075
	Gasket,Exhaust,Tapered,Stainless Steel,'84-15 bt/xl (2)	106-5029
	Gasket,Exhaust,Tapered,Stainless Steel,'84-15 bt/xl (2)	106-5029
Replace Starter Clutch 91-98 Softail, 91-98 Dyna		550-0468
contains	Starter Clutch, w/Bearing, 1991-2006 bt	550-0371
	Gasket,Out,Primary Cover,1989-'06 Softail,1989-'05 Dyna	560-0056
	Gasket,Derby Cover,3 Hole,(Replaces O-Ring)	560-0075
	Gasket,Exhaust,Tapered,Stainless Steel,'84-15 bt/xl (2)	106-5029
	O-Ring, Starter Oil Seal, Body To Drive,	550-0388
Replace Starter Clutch 89-90 Softail		550-0469
contains	Starter Clutch, w/Bearing, 1989-'90 bt	550-0372
	Gasket,Out,Primary Cover,1989-'06 Softail,1989-'05 Dyna	560-0056
	Gasket,Derby Cover,3 Hole,(Replaces O-Ring)	560-0075
	Gasket,Exhaust,Tapered,Stainless Steel,'84-15 bt/xl (2)	106-5029
	O-Ring, Starter Oil Seal, Body To Drive,	550-0388
Replace Starter Clutch 84-88 Softail, Superglide		550-0470
contains	Starter Clutch, 1967-'80 xl,1965-'88 bt	550-0374
	Gasket, Outer, Primary, 4 Speed, 1965-'88 bt	560-0091
	Gasket,Derby Cover,3 Hole,(Replaces O-Ring)	560-0075
	Gasket,Exhaust,Tapered,Stainless Steel,'84-15 bt/xl (2)	106-5029
	Gasket,Exhaust,Tapered,Stainless Steel,'84-15 bt/xl (2)	106-5029
Replace Charging System		Contains VVT Part No.
Replace Charging System 94-98 Touring, FXR		550-0471
contains	Gasket,Derby Cover,3 Hole,(Replaces O-Ring)	560-0075
	Gasket,Out,Primary Cover,1994-2006 FLT,FXR	560-0053
	Charging System, Complete, 38-3 Phase, Upgrade 1984-'98 FLH, FLT, FXR	550-0310
Replace Charging System 89-93 Touring, FXR		550-0472
contains	Gasket,Derby Cover,3 Hole,(Replaces O-Ring)	560-0075
	Gasket, Outer, Primary, 1980-'93 FLT,FXR	560-0093
	Charging System, Complete, 1989-1998 bt	550-0306
Replace Charging System 84-88 Touring, FXR		550-0473
contains	Gasket,Derby Cover,3 Hole,(Replaces O-Ring)	560-0075
	Gasket, Outer, Primary, 1980-'93 FLT,FXR	560-0093
	Charging System, Complete, 1989-1998 bt	550-0306

Replace Charging System 89-98 Softail		550-0474
contains	Gasket,Derby Cover,3 Hole,(Replaces O-Ring)	560-0075
	Gasket,Outer,Primary Cover,1989-'06 Softail,1989-'05 bt	560-0056
	Charging System, Complete, 1989-1999 Softail	550-0307
Replace Charging System 84-88 Softail, Superglide		550-0475
contains	Gasket,Derby Cover,3 Hole,(Replaces O-Ring)	560-0075
	Gasket, Outer, Primary, 4 Speed, 1965-'88 bt	560-0091
	Charging System, Complete 1984-'88 Softail	550-0299
Replace Charging System 89-98 Dyna		550-0476
contains	Gasket,Derby Cover,3 Hole,(Replaces O-Ring)	560-0075
	Gasket,Outer,Primary Cover,1989-'06 Softail,1989-'05 Dyna	560-0056
	Charging System, Complete, 1989-1998 bt	550-0306
Replace Main Seal		Contains VVT Part No.
Replace Main Seal 94-98 FLT, FXR		310-0489
contains	Gasket,Derby Cover,3 Hole,(Replaces O-Ring)	560-0075
	Gasket,Outer,Primary Cover,1994-2006 FLT,FXR	560-0053
	Seal,Left,Main Bearing,1.750" x 2.507" x .3130",1970-up bt	31-4010
Replace Main Seal 84-93 FLT, FXR		310-0490
contains	Gasket,Derby Cover,3 Hole,(Replaces O-Ring)	560-0075
	Gasket, Outer, Primary, 1980-'93 FLT,FXR	560-0093
	Seal,Left,Main Bearing,1.750" x 2.507" x .3130",1970-up bt	31-4010
Replace Main Seal 89-99 Softail, Dyna		310-0491
contains	Gasket,Derby Cover,3 Hole,(Replaces O-Ring)	560-0075
	Gasket,Outer,Primary Cover,1989-'06 Softail,1989-'05 Dyna	560-0056
	Seal,Left,Main Bearing,1.750" x 2.507" x .3130",1970-up bt	31-4010
Replace Main Seal 84-88 Softail, Superglide		310-0492
contains	Gasket,Derby Cover,3 Hole,(Replaces O-Ring)	560-0075
	Gasket, Outer, Primary, 4 Speed, 1965-'88 bt	560-0091
	Seal,Left,Main Bearing,1.750" x 2.507" x .3130",1970-up bt	31-4010
Primary Case Service		Contains VVT Part No.
Primary Case Service 84-93 FLT,FXR		560-0157
	Gasket,Kit,Primary,Rebuild,1980-'93 FLT,FL	560-0042
Primary Case Service 89-93 Softail, Dyna		560-0158
	Gasket,Kit,Primary,Rebuild,1989-'93 FXST,FX	560-0041
Primary Case Service 84-88 Softail, Dyna		560-0159
	Gasket,Kit,Primary,Rebuild,1965-'88 4-Speed	560-0043
Primary Case Service 94-06 Touring		560-0155
	Gasket,Kit,Primary,Rebuild,1994-2006 FLT,FXR	560-0040
Primary Case Service 94-05 Dyna, 04-06 Softail		560-0156
	Gasket,Kit,Primary,Rebuild,1994-2006 FXST,	560-0039
Clutch Service		Contains VVT Part No.
Clutch Service 84-89 Touring, FXR		560-0160
contains	Gasket,Derby Cover,3 Hole,(Replaces O-Ring)	560-0075
	Gasket, Outer, Primary, 1980-'93 FLT,FXR	560-0093
	Plate, Set, Friction, 1984-'89 bt	560-0124
	Plate, Set, Clutch Steels, 1984-'89 bt	560-0125
Clutch Service 89 Softail, Dyna		560-0161
contains	Gasket,Derby Cover,3 Hole,(Replaces O-Ring)	560-0075
	Gasket,Outer,Primary Cover,1989-'06 Softail,1989-'05 Dyna	560-0056
	Plate, Set, Friction, 1984-'89 bt	560-0124
	Plate, Set, Clutch Steels, 1984-'89 bt	560-0125
Clutch Service 84-88 Softail, Dyna		560-0162
contains	Gasket,Derby Cover,3 Hole,(Replaces O-Ring)	560-0075
	Gasket, Outer, Primary, 4 Speed, 1965-'88 bt	560-0091
	Plate, Set, Friction, 1984-'89 bt	560-0124
	Plate, Set, Clutch Steels, 1984-'89 bt	560-0125
Clutch Service 98-06 Touring		560-0151
contains	Gasket,Out,Primary Cover,1994-2006 FLT,FXR	560-0053
	Gasket,Derby Cover,5 Hole,(Replaces O-Ring)	560-0074
	Plate, Set, Friction, 1998-Up bt	560-0128
	Plate, Set, Clutch Steels, 1998-Up bt	560-0129

Clutch Service 98-05 Dyna, 94-06 Softail		560-0152
contains	Gasket, Derby Cover, 5 Hole, (Replaces O-Ring)	560-0074
	Gasket, Outer, Primary Cover, 1989-'06 Softail, 1989-'05 Dyna	560-0056
	Plate, Set, Friction, 1998-Up bt	560-0128
	Plate, Set, Clutch Steels, 1998-Up bt	560-0129
Clutch Service 94-97 Touring		560-0153
contains	Gasket, Outer, Primary Cover, 1994-2006 FLT, FXR	560-0053
	Gasket, Derby Cover, 5 Hole, (Replaces O-Ring)	560-0074
	Plate, Set, Friction, 1990-'97 bt, 1991-Up xl	560-0126
	Plate, Set, Clutch Steels, 1990-'97 bt, 1991-Up xl	560-0127
Clutch Service 94-97 Dyna, 94-97 Softail		560-0154
contains	Gasket, Derby Cover, 5 Hole, (Replaces O-Ring)	560-0074
	Gasket, Out, Primary Cover, 1989-'06 Softail, 1989-'05 Dyna	560-0056
	Plate, Set, Friction, 1990-'97 bt, 1991-Up xl	560-0126
	Plate, Set, Clutch Steels, 1990-'97 bt, 1991-Up xl	560-0127

GASKET KITS

Description	H-D Part No.	VVT Part No.
Gasket Kit, Complete, Stock Bore, 1992-'99 bt	17041-92-A	310-0413
Gasket Kit, Complete, Stock Bore, 1989-'91 Softail, Dyna	-	310-0414
Gasket Kit, Complete, Stock Bore, 1984-'91 FLT, FXR 5 spd	-	310-0415
Gasket Kit, Complete, Stock Bore, 1984-'88 4 and 5 spd bt	-	310-0416
Gasket Kit, Engine Only, Stock Bore, 1992-'99 bt	17041-92-A	310-0417
Gasket Kit, Engine Only, Stock Bore, 1984-'91 bt	-	310-0418
Gasket Kit, Top End, Stock Bore, 1992-'99 bt	17040-92	900-0576
Gasket Kit, Top End, Stock Bore, 1984-'91 bt	17033-83-A	900-0577

LUBRICANTS

Description	VVT Part No.
S&S 20w50 Premium Synthetic Engine Oil	310-0285
S&S 20w50 Heavy Duty Engine Oil	310-0287
S&S Petroleum 25w60 Engine Oil	310-0289
S&S 75w140 Premium Synthetic Transmission Oil	310-0292
S&S 85w140 Heavy Duty Transmission Oil	310-0291
S&S 85w Extreme Duty Primary Oil	310-0290

OIL FILTERS

Description	OEM Part No.	VVT Part No.
1984-99 Evolution Oil Filter black <i>each</i>	63805-80A	31-4101
1984-99 Evolution Oil Filter black <i>12 pack</i>		310-0239
1984-99 Evolution Oil Filter chrome <i>each</i>	63796-77A	31-4102
1984-99 Evolution Oil Filter chrome <i>12 pack</i>		310-0240

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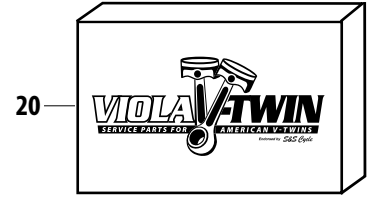
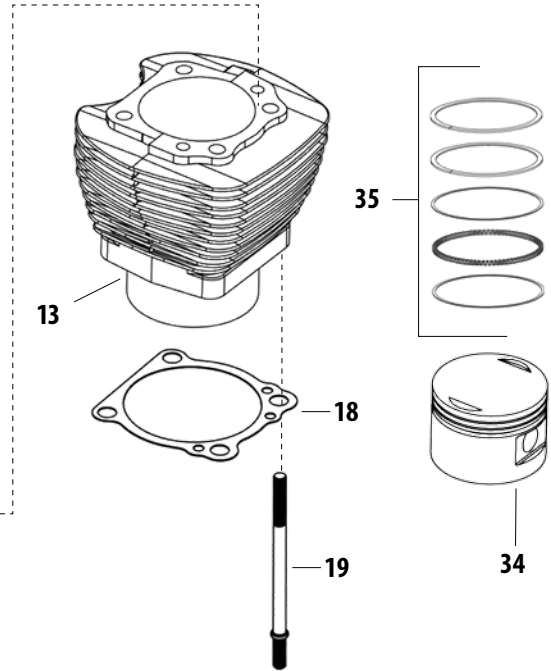
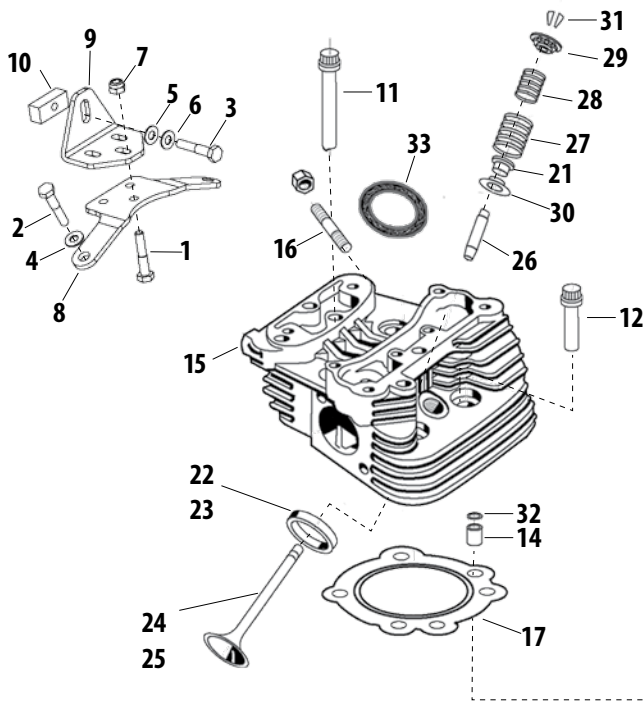
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#	Description	H-D Part No.	VVT Part No.
1	Bolt, 3/8-16 X 1 hex. hd. (Grade 5 steel)	2879W	—
2	Screw,HHC,3/8-16 x 1-1/4",Zinc,Steel <i>each</i>	4716W	50-0168
3	Bolt, 7/16-20 x 1-1/2 hex. hd. (Grade 5 steel)	4726	—
4	Washer, 25/34 x 59/64 x 3/16 heat treated	6019	500-0312
5	Washer, 7/16 x 1-1/8 x 1/8	6516HW	—
6	Lockerwasher, 7/16	7039	—
7	Flange Locknut, 3/8-16	7601	—
8	Bracket, Engine Mounting	16242-90	—
9	Bracket, Engine Mounting	16247-91	—
10	Mounting Block	16284-84	—
11	Screw, Internal Thread (4) <i>See chart for complete Head Bolt Kit</i>	16478-85A	—
12	Screw, Internal Thread (4) <i>See chart for complete Head Bolt Kit</i>	16480-92	—
13	Cylinder,Front,3-1/2" Bore,5.550",WBlack,1984-'99 bt <i>See chart for complete Cylinder Set</i>	16512-86A	91-7710F
	Cylinder,Rear,3-1/2" Bore,5.550",WBlack,1984-'99 bt <i>See chart for complete Cylinder Set</i>		91-7710R
	Cylinder,Front,3-1/2" Bore,5.550",Natural,1984-'99 bt <i>See chart for complete Cylinder Set</i>		91-7210F
	Cylinder,Rear,3-1/2" Bore,5.550",Natural,1984-'99 bt <i>See chart for complete Cylinder Set</i>		91-7210R
14	Pin,Dowel,.557" x .500",Black,Steel (4) <i>each</i>	16574-99A, 16573-83,	50-8023
	Pin,Dowel,.557" x .500",Black,Steel,10 Pack (4) <i>10 Pack</i>	16573-83A	50-8109
15	Head, Front Cylinder w/Guides & Seats <i>See chart for complete Cylinder Head Kit</i>	16692-95	—
	Head, Rear Cylinder w/Guides & Seats <i>See chart for complete Cylinder Head Kit</i>	16696-92A	—
16	Stud, Exhaust Port, 5/16-18, 5/16-24 x 1.910", Zinc, Steel (4) <i>each</i>	16715-83	50-0493
	Stud, Exhaust Port, 5/16-18, 5/16-24 x 1.910", Zinc, Steel (4) <i>5 Pack</i>		50-1028
17	Gasket,Head,.045",3-1/2",Graphite,304 SS,1984-'99 bt, 1986-2003 xl(2) <i>each</i>	16770-84D, 16770-84F	93-1011-S
	Gasket,Head,.045",3-1/2",1984-'99 bt, 1986-2003 xl, <i>10 Pack</i>		93-1024
	Gasket,Head,.0625",3-1/2",Graphite,304 SS,1984-'99 bt, 1986-2003 xl <i>each</i>		93-1313-S
	Gasket,Head,.0625",3-1/2",Graphite,304 SS,1984-'99 bt, 1986-2003 xl <i>10 Pack</i>		93-1051
18	Gasket,Base,.018",3-1/2",Graphite,1984-1999 bt,1986-2003 xl(2) <i>each</i>	16777-83A, 16774-86D	93-1038-S
19	Stud,Cylinder Base,6.68",Black Oxide,1984-'99 bt (8) <i>each</i>	16837-85C	31-2321-S
	Stud,Cylinder Base,3/8-16 UNC x 6.680",1984-'99 bt,8 Pack(8) <i>8 Pack</i>		31-2321
20	Gasket Kit, Top Overhaul, 1992-'99 bt	17040-92	900-0576
	Gasket Kit, Engine Overhaul, 1984-'91bt	17033-83-A	900-0577
	Gasket Kit, Engine Overhaul, 1992-'99 bt	17041-92-A	310-0417
	Gasket Kit, Engine Overhaul, 1984-91 bt		310-0418
	<i>See page 76 at beginning of section for more kit options</i>		
21	Seal,Valve Guide,1984-up bt, 1986-2003 xl (4) <i>each</i>	18001-83B	90-2008
	Seal,Valve Guide,1984-up bt, 1986-2003 xl,8 Pack (4) <i>8 Pack</i>		90-2158
22	Insert, Exhaust Valve Seat (2)	18011-86	—
23	Insert, Intake Valve Seat (2)	18020-83	—
24	Valve, Intake, Stock, 1984-'99 bt (2)	18074-83A	900-0750
25	Valve, Exhaust, Stock, 1984-'99 bt (2)	18082-83	900-0751
26	Valve Guide,Intake/Exhaust,Standard,Cast Iron,1984-up bt, 1986-2003 xl(4) <i>See chart for +.030" option</i>	18112-92	90-2210
	Valve Guide,Intake/Exhaust,+.001",Cast Iron,1984-up bt, 1986-2003 xl(4) <i>See chart for +.030" option</i>	18130-83C	90-2211
	Valve Guide,Intake/Exhaust,+.002",Cast Iron,1984-up bt, 1986-2003 xl(4) <i>See chart for +.030" option</i>	18133-83A, 18133-83D	90-2212
	Valve Guide,Intake/Exhaust,+.003",Cast Iron,1984-up bt, 1986-2003 xl(4) <i>See chart for +.030" option</i>	18131-83C	90-2213
27	Valve Spring, Outer (4) <i>See chart for complete Valve Spring Kit</i>	18201-83	—
28	Valve Spring, Inner (4) <i>See chart for complete Valve Spring Kit</i>	18202-83	—
29	Collar, Valve Spring - Upper (4) <i>See chart for complete Valve Spring Kit</i>	18219-83	—
30	Collar, Valve Spring - Lower (4) <i>See chart for complete Valve Spring Kit</i>	18222-83	—
31	Valve Keeper,Standard,9; Degree,1984-99 bt,1999-05 bt,1986-03(8) <i>each</i>	18229-83	90-2094-S
	Valve Keeper,1984-2005 bt, 1986-2003 xl,8 Pack(8) <i>8 Pack</i>		50-7166
32	O-ring,(.015),.562" ID x .068" OD,Black,Viton <i>each</i>	26432-76A	50-8034-S
	O-ring, Oil Return, (.015), .562" ID x .068" OD, Black, Viton, 1984-'99 bt, 2 Pack(4) <i>2 Pack</i>		50-8034
33	Gasket, Exhaust, Tapered, Stainless Steel, 1984-up bt, 1986-up <i>xleach</i>	65324-83A, 65324-83B	106-5029
	Gasket,Exhaust,Stainless Steel,1984-'99 bt, 1986-2003 xl, <i>10 Pack</i>		93-1072
34	Piston, Set, 3-1/2", Standard, 80", FD, .792" WP,1984-'99 bt <i>Sold as a set with rings, wristpins and clips</i>	21940-83	920-0015
	Piston, Set, 3-1/2", +.010, 80", FD, .792" WP, Cast,1984-'99 bt <i>Sold as a set with rings, wristpins and clips</i>	21942-83	920-0026
	Piston, Set, 3-1/2", +.020", 80", FD, .792" WP, Cast,1984-'99 bt <i>Sold as a set with rings, wristpins and clips</i>	21943-83	920-0027
35	Ring, Set, Piston, 3-1/2", Standard, Moly Faced,.0625, .0625, .1525, 1984-'99 bt, 1986-2003 xl(2)	21921-83	94-2216X
	Ring,Set,Piston,3-1/2",+.005",Moly Faced,1984-'99 bt, 1986-2003 xl(2)		94-22165X
	Ring,Set,Piston,3-1/2",+.010",Moly Faced,.0625, .0625, .1525,1984-'99 bt, 1986-2003 xl(2)		94-2217X
	Ring,Set,Piston,3-1/2",+.020",Moly Faced,.0625, .0625, .1525,1984-'99 bt, 1986-2003 xl(2)		94-2218X
	Ring,Set,Piston,3-1/2",+.030",Moly Faced,.0625, .0625, .1525,1984-'99 bt, 1986-2003 xl(2)	21924-83	94-2219X



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NOT DIRECT SERVICE PARTS (SOLD AS ASSEMBLIES) <i>Note: These products are compatible services as assemblies.</i>		
#	Description	VVT Part No.
11	Head Bolt,Kit,12 pt,1984-up bt, 1986-2003 xl	93-3010
12	Head Bolt,Kit,12 pt,1984-up bt, 1986-2003 xl	93-3010
13	Cylinder,Set,3-1/2" Bore,5.550",Natural,1984-'99 bt	91-7210
	Cylinder,Set,3-1/2" Bore,5.550",WBlack,1984-'99 bt	91-7710
15	Head,Kit,Stock 3-5/8" Bore,Performance Service,.585" Round Wire Conical Steel,82cc,Natural,1984-'99 bt*	106-3466
	Head,Kit,Stock 3-5/8" Bore,Performance Service,.585" Round Wire Conical Steel,82cc,WBlack,1984-'99 bt*	106-4570
26	Valve Guide,Intake/Exhaust,+.030",Cast Iron,1984-up bt, 1986-2003 xl	90-2219
27,28,29,30	Spring, Kit, Valve, Dual, Steel, .640", 1984-2004 bt,1986-2003 xl	900-0539
36	Cylinder, Kit, 3-1/2" Bore, 5.550", 4-1/4" Stroke,920-0015, Natural, 1984-'99 bt	910-0179
	Cylinder,Kit,3-1/2" Bore,5.550",4-1/4" Stroke,920-0015,WBlack,1984-'99 bt	910-0182

*Not legal for sale or use on CA or EPA pollution controlled vehicles.

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ROCKER ARM & PUSHROD SERVICE PARTS FOR HARLEY-DAVIDSON EVOLUTION MODELS

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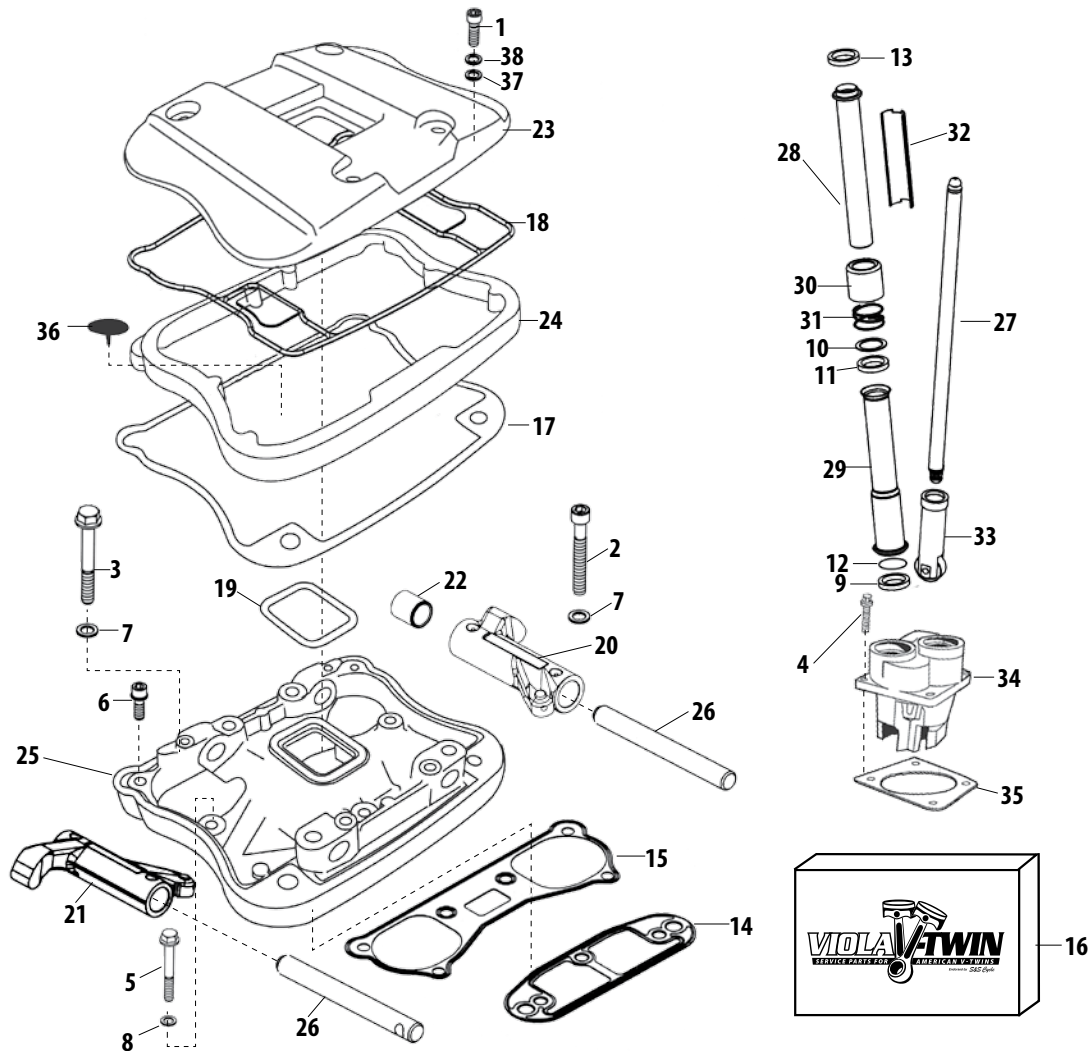
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#	Description	H-D Part No.	VVT Part No.
1	Bolt, 1/4 x 20 x 1" knurled socket head 1984 - '90 bt (8) <i>each</i>	852	50-0084
	Bolt, 1/4 x 20 x 7/8" knurled socket head with washer 1991 - '99 bt (8)	852	—
2	Bolt, 5/16-18 X 2-3/4 hex. hd. (Grade 8 steel) (4)	3500	—
3	Screw,HHC,Gr8,5/16-18 x 2-1/2",Zinc,Steel (4) <i>each</i>	3501A	50-0104
4	Screw,DHH,12 pt,1/4-20 x 7/8",Zinc,Steel (8) <i>each</i>		50-0068
	Screw,DHH,12 pt,1/4-20 x 7/8",Zinc,Steel,4 Pack <i>See chart for chrome option</i>	3770	50-0068P
5	Bolt, 1/4-20 x 1-1/4 hex. hd. (6)	3997	—
6	Screw,SHCS,1/4-20 x 1-1/2",Zinc,ASTM A574-92A (4) <i>each</i>	4718A	50-0079
7	Washer,Flat,.344" x .688" x .065",Zinc,Steel (8) <i>each</i>	6320, 70907-07, 6016, 6702	50-7034
		6194, 6245, 6703, 6736,	
8	Washer,Flat,.281" x .625" x .080",Zinc,Steel (6) <i>each</i>	6228W, 6192	50-7021
9	Washer,.903" x 1.053" x .034",Light Oil,Cold Rolled Steel (4) <i>each</i>	6737	50-7150
10	Washer,Flat,.715" x .950" x .031",Steel (4) <i>each</i>	6762B	50-7131
11	O-ring,(-115),.687" ID x .875" OD,Black,Nitrile (4) <i>each See chart for complete Pushrod O-ring kit</i>	11132A	50-8038
12	O-ring,(-118),.875" ID x 1.062" OD,Viton (4) <i>each See chart for complete Pushrod O-ring kit</i>	11145A	50-8037
13	O-ring,(-209),.687" ID x .937" OD,Viton (4) <i>each See chart for complete Pushrod O-ring kit</i>	11293, 11157, 11101, 11190	50-8039
14	Gasket,Bottom Right,Rocker Cover,1984-'99 bt, 1986-2003 xl <i>each</i>	16778-84A, 16800-84A	—
15	Gasket,Bottom Left,Rocker Cover,1984-'99 bt, 1986-2003 xl <i>each</i>	16779-84B, 16800-84A	—
16	Gasket,Kit,Rocker Cover,Rubber,1992-'99 bt includes # 14, 15, 17, 18, 19, 36 & 37		90-4047
	Gasket,Kit,Rocker Cover,Rubber,1984-'91 bt includes # 14, 15, 17, 18, 19, 36 & 37	17038-90	90-4046
17	Gasket,Middle Outer,Rocker Cover,Rubber,1992-'99 bt (2)	17355-92	90-4044
18	Gasket,Top,Rocker Cover,Rubber,1992-'99 bt (2)	17356-92	90-4045
19	Gasket,Middle Inner,Rocker Cover,Rubber,1984-'99 bt, 1986-2003 xl (2)	17358-84A	90-4042
20	Rocker Arm,Assembly,RE/FI,Non-Roller,1.625:1 Ratio,8620,1984-up bt, 1986-2003 xl (2)	17360-83A	900-4119RA
21	Rocker Arm,Assembly,FE/RI,Non-Roller,1.625:1 Ratio,8620,1984-up bt, 1986-2003 xl (2)	17375-83A	900-4119FA
22	Bushing, Rocker Arm (8)	17429-91, 17428-57	900-0784
23	Rocker Cover, Outer (Chrome) (2) <i>See chart for complete Rocker Box Kit</i>	17528-92	—
24	Spacer, Rocker Covers (Chrome) (2) <i>See chart for complete Rocker Box Kit</i>	17529-92	—
25	Rocker Cover, inner (Chrome) (2) <i>See chart for complete Rocker Box Kit</i>	17530-92	—
26	Shaft,Rocker Arm,1984-up bt (4) <i>each</i>		90-4006
	Shaft,Set,Rocker Arm,Stock Service,1984-up bt, 1986-up xl (4) 4 Pack	17611-83B	90-4036
27	Pushrod, Rear Exhaust -11.210" long <i>See chart for complete Adjustable Pushrod Set</i>	17921-83	—
	Pushrod, Rear Intake -11.045" long <i>See chart for complete Adjustable Pushrod Set</i>	17924-83	—
	Pushrod, Front Exhaust -11.325" long <i>See chart for complete Adjustable Pushrod Set</i>	17927-83	—
	Pushrod, Front Intake -11.090" long <i>See chart for complete Adjustable Pushrod Set</i>	17930-83	—
28	Pushrod Cover,Top,Natural,Aluminum,1966-up bt, 1986-'90 xl(4) <i>See chart for complete Pushrod Cover kit</i>	17935-66T, 17935-79B	93-4016
29	Pushrod Cover,Bottom,Chrome Plated,Steel,1984-up bt, 1986-'90 xl (4) <i>See chart for complete Pushrod Cover kit</i>	17938-83	93-4015
30	Cap,Pushrod Cover,1936-up bt, 1957-'90 xl (4) <i>See chart for complete Pushrod Cover kit</i>	17945-36B	93-4017
	Spring,Pushrod Cover Cap,.080" Wire,.730" x .890" x .925",Steel,1936-up bt, 1957-'90 xl(4) <i>See chart for complete Pushrod Cover kit</i>	17947-36	93-4018
32	Cover Keeper,Pushrod,3.330",Chrome (4) <i>each</i>		93-4035-5
	Cover Keeper,Set,Pushrod,3.330",Chrome (4) 4 Pack	17949-40, 17950-66	93-4106
33	Tappet,Set,Hydraulic,1984-'99 bt, 1986-'90 xl (4) 4 Pack	18523-86A	33-5352
34	Tappet Guide, rear <i>See chart for Tappet Guide Set</i>	18622-85B	—
	Tappet Guide, front <i>See chart for Tappet Guide Set</i>	18623-85B	—
35	Gasket,Rear,Tappet Guide,1948-'99 bt <i>each</i>		33-5302R
	Gasket,Rear,Tappet Guide,1948-'99 bt,10 Pack	18633-48B, 18633-48D	33-5313R
	Gasket,Front,Tappet Guide,1948-'99 bt <i>each</i>		33-5302F
	Gasket,Front,Tappet Guide,1948-'69 bt,10 Pack	18634-48C	33-5313F
36	Seal,Umbrella Valve Cover	26856-89, 26856-89A	90-4030
37	Gasket,9/32 x 5/8 x 1/32 copper, 1984 - '86 bt (8) <i>each</i>	6114	50-7018
	Gasket, Fiber, 1987-'99 bt <i>See chart for compatible Gasket</i>	6114	—
38	Washer,9-32 x 5/8 x 1/16" washer, 1984-'90 <i>See chart for compatible Washer</i>	6736	—

Harley-Davidson® Evolution® Models



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#	Description	VVT Part No.
11, 12, 13	O-ring,Kit,Pushrod Cover,1984-'99 bt, 1986-2003 xl (includes #11, 12, 13)	93-4022
23, 24, 25	Rocker Box,Kit,Chrome,Billet,1984-'99 bt, 1986-2003 xl	90-4050
	Rocker Box,Kit,Natural,Billet,1984-'99 bt, 1986-2003 xl	90-4055
	Rocker Box,Kit,Chrome,Die Cast,1984-'99 bt	90-4095
27	Pushrod Set, Non-Adjustable 1984-'99 Bt	930-0041
	Pushrod,Set,Adjustable,Stock,Steel,1984-'99 bt	93-5076
	Pushrod,Set,Quicke,Hydraulic Tappet,80"-98", 113", 117", 124",Steel,1984-'99 bt	93-5120
	Pushrod,Set,Timesaver,Stock,Steel,1984-'99 bt	930-0052
28, 29, 30, 31	Pushrod Cover,Kit,Chrome,1984-'99 bt, 1986-'90 xl (includes #10, 11, 12, 13, 29, 30, 31)	93-4039
34	Tappet Guide,Set,w/o Logo,S&S Crankcase,SA Style,Chrome,Billet,1984-'99 bt	106-3005
	Tappet Guide,Set,w/o Logo,Stock Style,Polished,1984-'99 bt	106-6459
	Tappet Guide,Set,Stock Style,Natural,Cast,1984-'99 bt	33-5301
	Tappet Guide,Set,Stock Style,WBlack,Cast,1984-'99 bt	33-5324
37	Gasket, 1/4 x 7/16 x 0.020" rubber covered steel gasket <i>each</i>	50-7015
	Gasket, 1/4 x 7/16 x 0.020" rubber covered steel gasket <i>8 pack</i>	50-7015-8
	Gasket, 1/4 x 7/16 x 0.020" rubber covered steel gasket <i>12 pack</i>	50-7015-12
38	Washer, 1/4 x 7/16 x 1/16" <i>each</i>	50-7017
	Washer, 1/4 x 7/16 x 1/16" <i>12 pack</i>	50-7013

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PISTONS, CONNECTING RODS & FLYWHEELS FOR HARLEY-DAVIDSON EVOLUTION MODELS

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#	Description	H-D Part No.	VVT Part No.
1	Washer, 1-13/32 X 2-3/32 X 1/16 (bronze) 2	6506	—
2	Key, Woodruff, .125" x .375" x .374", Steel <i>each</i>	11218	50-8222-S
	Key, Woodruff, .125" x .375" x .374", Steel, 5 Pack		50-1009
3	T-Key, 1990-'99 bt	11219	—
	Key, Woodruff, .094" x .500" x .491", Steel, 1984-'89 bt <i>each</i>	23985-54	50-8221-S
	Key, Woodruff, .094" x .500" x .491", Steel 5 pack		50-1008
4	Ring, Set, Piston, 3-1/2", Standard, Moly Faced, .0625, .0625, .1525, 1984-'99 bt, 1986-2003 xl(2)	21921-83	94-2216X
	Ring, Set, Piston, 3-1/2", +.005", Moly Faced, 1984-'99 bt, 1986-2003 xl(2)		94-22165X
	Ring, Set, Piston, 3-1/2", +.010", Moly Faced, .0625, .0625, .1525, 1984-'99 bt, 1986-2003 xl(2)		94-2217X
	Ring, Set, Piston, 3-1/2", +.020", Moly Faced, .0625, .0625, .1525, 1984-'99 bt, 1986-2003 xl(2)		94-2218X
	Ring, Set, Piston, 3-1/2", +.030", Moly Faced, .0625, .0625, .1525, 1984-'99 bt, 1986-2003 xl(2)		21924-83
5	Piston, Set, 3-1/2", Standard, 80", FD, .792" WP, 1984-'99 bt (2)	21940-83	920-0015
	Piston, Set, 3-1/2", -0.005", 80", FD, .792" WP, Cast, 1984-'99 bt (2)	21941-83	—
	Piston, Set, 3-1/2", +.010", 80", FD, .792" WP, Cast, 1984-'99 bt (2)	21942-83	920-0026
	Piston, Set, 3-1/2", +.020", 80", FD, .792" WP, Cast, 1984-'99 bt (2)	21943-83	920-0027
	Piston, Set, 3-1/2", -0.030", 80", FD, .792" WP, Cast, 1984-'99 bt (2)	21944-83	—
6	Wristpin Keeper, C-Clip, .791"/.792" (4) <i>each</i>	22589-83B, 22589-83A	94-9254-S
	Wristpin Keeper, C-Clip, .791"/.792" (4) <i>Wristpin Keeper, C-Clip, .791"/.792", 4 Pack</i>		94-9254
7	Wristpin (2)	22764-83	—
8	Flywheel, Assembly, 4-1/4" Stroke, 8-1/2" Diameter, Balanced, 1984-'99 bt	23906-90, 23906-93B, 23906-90A	32-2239
	Flywheel, Assembly, 4-1/4" Stroke, 8-1/2" Diameter, Notched, Balanced, 1995-'98 bt (EFI Crankcase)	23941-95	32-2145
9	Inner Ring	23928-87	330-0396
10	Crankpin, Assembly, Tapered, 1.249", 1981-99 bt	23961-80A	34-2102
	Crankpin, Assembly, Tapered, 1.250", 1981-99 bt	23974-87	34-2103
	Crankpin, Assembly, Tapered, 1.251", 1981-99 bt	23975-87	34-2105
11	Nut, HH, 1-20 UNEF-3B x .346", Black, Steel, 4140	23967-54A, 23969-83, 23901-81, 23981-98,	34-2104
12	Connecting Rod, Set, Heavy Duty, IBC, .792" WP, 7.440", 1984-'99 bt	24281-80, 24281-83	34-7013
13	Bushing, Wristpin, .767" x .895" x 1.077", Bronze, 1941-'99 bt	24334-36	34-4007
	Bushing, Piston Pin -0.010" O.S. (2)	24335-36	—
14	Race, Rear, Connecting Rod, 1941-'99 bt (2)	24345-36A	34-4006
15	Bearing, Assembly, Connecting Rod, 1.25", 1941-'99 bt	24346-87A, 24385-40B	34-4010
16	Bushing, Front Connecting Rod - Lower	24356-36A	34-4005

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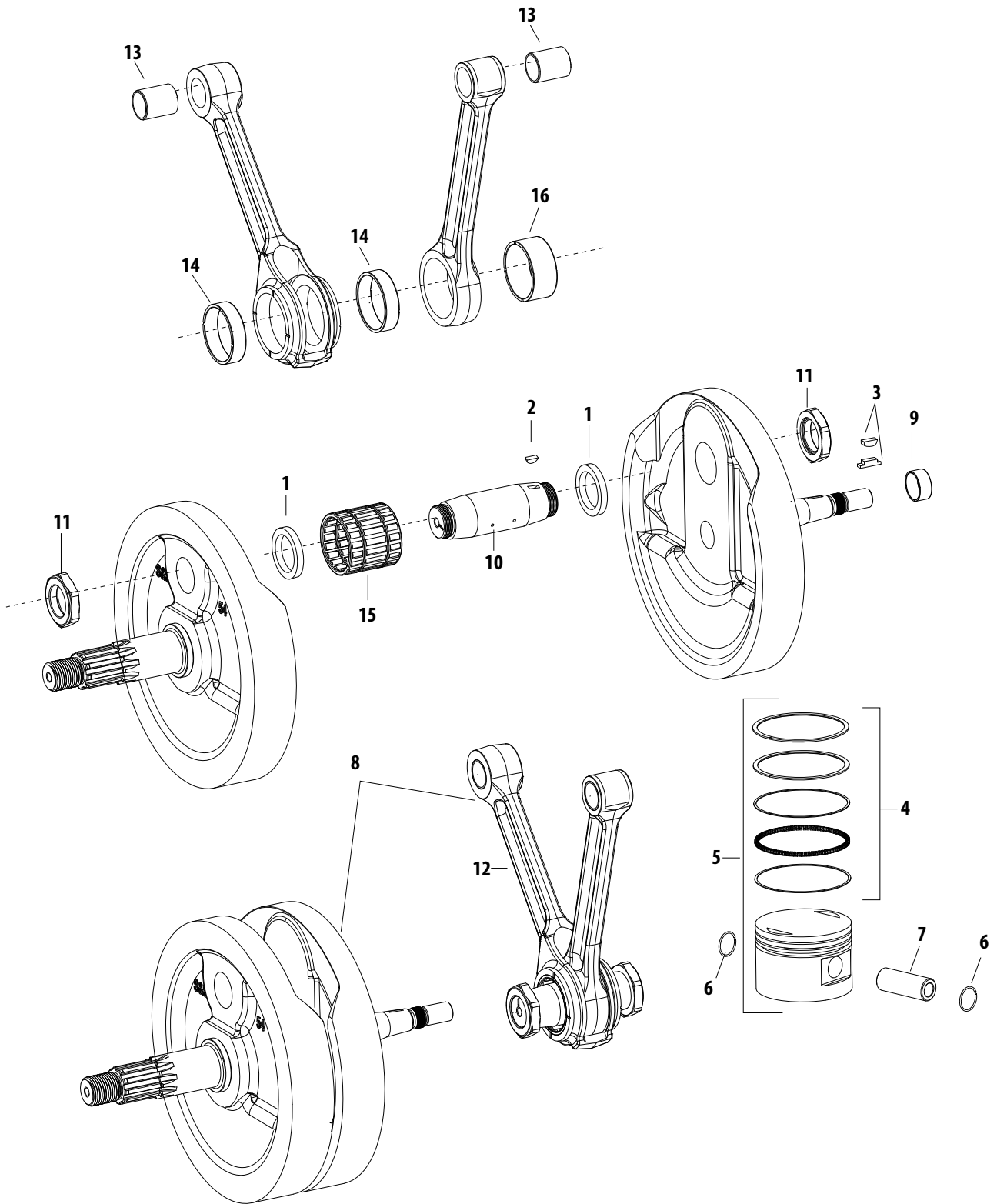
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CRANKCASE SERVICE PARTS FOR HARLEY-DAVIDSON EVOLUTION MODELS

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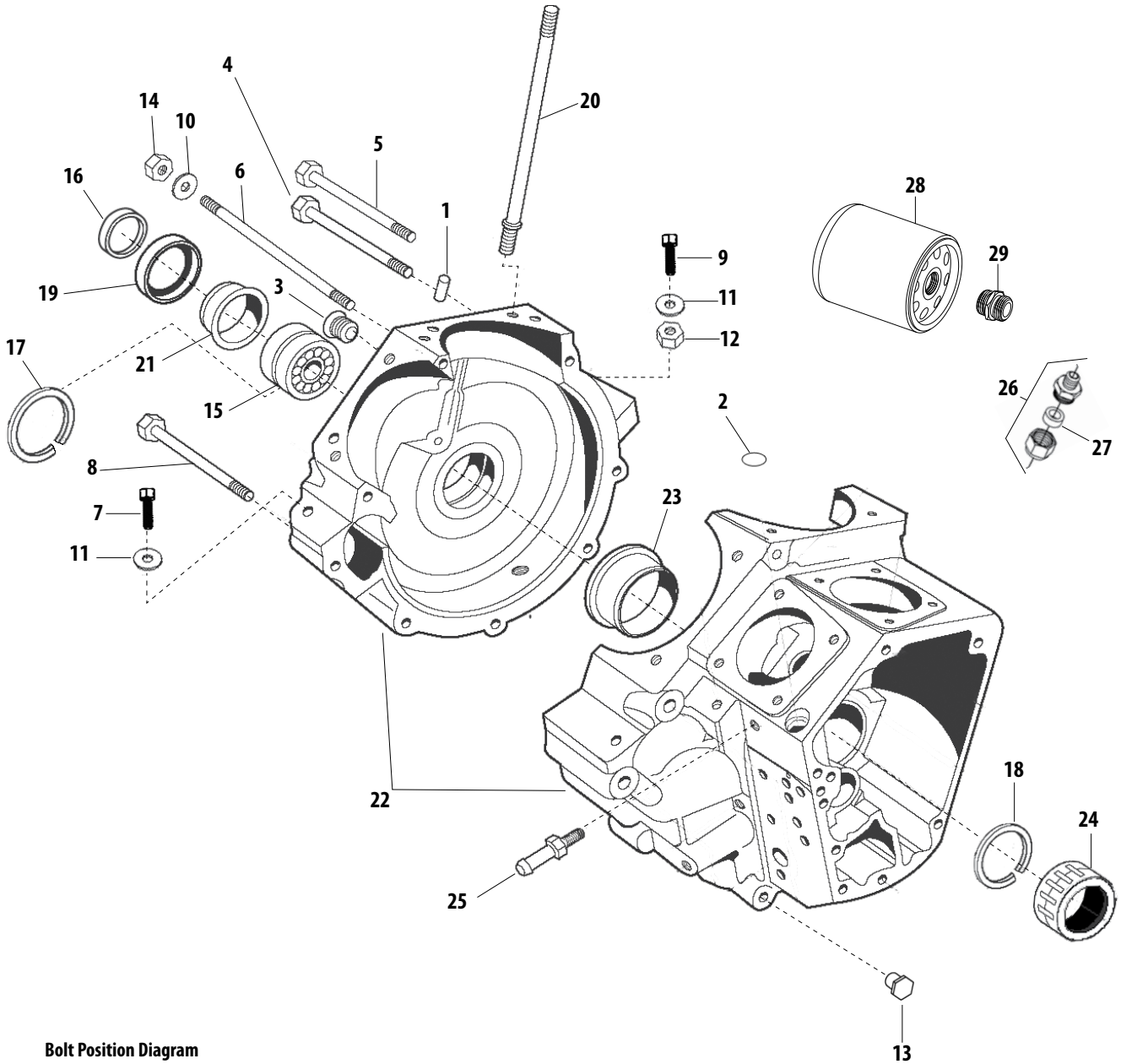
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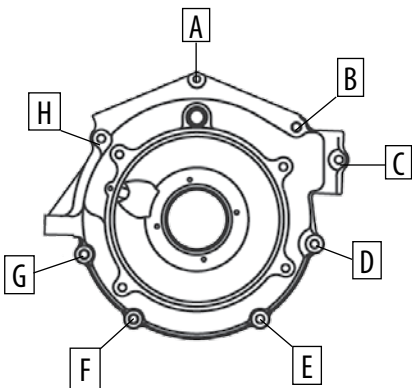
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#	Description	H-D Part No.	VVT Part No.
1	Pin,Dowel,.250" x .500",Steel (2) <i>each</i>		50-8022
	Pin,Dowel,.250" x .500",Steel,2 <i>Pack</i>	358, 366	50-8022-2
	Pin,Dowel,.250" x .500",Steel,5 <i>Pack</i>		50-8105
2	Expansion Plug	653	—
3	Plug,Timing,Threaded,5/8-18 UNF-2A x .545",Zinc,Steel	720	31-2005
4	Bolt, 5/16-18 x 3-3/8 hex flange hd., LATE (4) (Positions B, C, D & H)	3398	—
	Screw,HHC,Gr8,5/16-24 x 5",Zinc,Steel EARLY (Position C)	3430	50-0119
	Bolt, 5/16-18 x 3-1/2 hex head EARLY (Position D & H)	3427	—
5	Bolt 5/16-24 x 5-3/8 hex flange hd. LATE (1) (Position G)	3504A, 3505	—
	Bolt, 5/16-24 x 5-3/8 hex EARLY (2) (Positions B & G)	3504	—
6	Stud, 5/16-24 x 5-3/4 hex. hd. LATE (1) (Grade 5 steel) (Positions A)	24806-36, 3506	31-2003
	Stud, 5/16-24 x 5-3/4 hex. hd. EARLY (3) (Grade 5 steel) (Positions A, E, & F)	24806-36, 3506	31-2003
7	Bolt, 3/8-24 x 3-1/4 hex. hd. (chrome) (2)	3512	—
8	Bolt, 5/16-24 x 5-1/2 flange LATE (2) (Position E & F)	3613	—
9	Bolt, 3/8-24 x 1 hex. hd.(Grade 5 steel) (2)	4416, 70907-07	—
10	Washer,Flat,.344" x .688" x .065",Zinc,Steel (2)	6320, 70907-07, 6016, 6702	50-7034
11	Washer, 25/34 x 59/64 x 3/16 heat treated (4)	6019	500-0312
12	Locknut, No. 3/8-24 x 1/4 hex. (Grade 2 steel) (4)	7506	—
13	Flange Nut, 5/16-24 LATE (3)	7593	—
	Nut, 5/16-24 x 1/4 x 1/2 EARLY (9)	7753	500-0315
14	Nut,HH,5/16-24 UNF-2B x .273",Zinc,Steel (2)	7833, 7883	50-5023
15	Bearing,Assembly,Left,Main	9028	31-4013
16	Spacer, Left, Main Bearing, .090"	9110	—
	Spacer, Left, Main Bearing, .092"	9120	—
	Spacer, Left, Main Bearing, .094"	9121	—
	Spacer, Left, Main Bearing, .096"	9122	—
	Spacer, Left, Main Bearing, .098"	9123	—
	Spacer,Left,Main Bearing,.100",Steel,1969-'99 bt	9124	31-4071
	Spacer,Left,Main Bearing,.102",Steel,1969-'99 bt	9125	31-4072
	Spacer,Left,Main Bearing,.104",Steel,1969-'99 bt	9126	31-4073
	Spacer,Left,Main Bearing,.106",Steel,1969-'99 bt	9127	31-4074
	Spacer,Left,Main Bearing,.108",Steel,1969-'99 bt	9128	31-4075
	Spacer, Left, Main Bearing, .110"	9129	—
	Spacer, Left, Main Bearing, .112"	9130	—
	Spacer, Left, Main Bearing, .114"	9131	—
	Spacer, Left, Main Bearing, .116"	9132	—
	Spacer, Left, Main Bearing, .118"	9133	—
	Spacer,Left,Main Bearing,.120",Steel,1969-'99 bt	9134	31-4076
17	Retaining Ring, Left Bearing	11160A	—
18	Retaining Ring,External,Pinion Bearing,1.160" x 1.480" x .046",Carbon Steel,SAE 1060-1090 <i>each</i>	11177A	50-8057
	Retaining Ring,External,Pinion Bearing,1.160" x 1.480" x .046",5 <i>Pack</i>		50-1004
19	Seal,Left,Main Bearing,1.750" x 2.507" x .3130",1970-up bt	12026B	31-4010
20	Stud,Cylinder Base,6.68",Black Oxide,1984-'99 bt <i>each</i>		31-2321-5
	Stud,Cylinder Base,3/8-16 UNC x 6.680",1984-'99 bt,8 <i>Pack</i>	16837-85C	31-2321
21	Spacer, Sprocket Shaft,70-up BT (HD#24002-70)	24002-70	31-4011
22	Crankcase,Assembly,Stock Bore,bt,Alternator,CPS Machining,WBlack,1992-'99 bt	24569-95, 24571-93	31-0055
	Crankcase,Assembly,Stock Bore,bt,Alternator,WBlack,1984-'91 bt	24473-85C	31-0052
	Crankcase,Assembly,Stock Bore,bt,Alternator,CPS Machining,Natural,1984-'91 bt	24469-83A, 24469-83C	31-0000
	Crankcase,Assembly,Stock Bore,bt,Alternator,CPS Machining,Natural,1992-'99 bt		31-0005
23	Race,Right,Main Bearing,Standard,1993-'99 bt	24599-93, 24599-58A, 24599-58B	31-4004
	Race, Right, Main Bearing, +.002" O.S. O.D.	24600-58B	—
	Race,Right,Main Bearing,+.005",1993-1999 bt O.S. O.D.	24601-58B	31-4007
24	Bearing,Assembly,Right,Main,Small/Medium,White,1958-'99 bt	24626-87A	31-4005
	Bearing,Assembly,Right,Main,Small,Green,1958-'99 bt	24628-87A	31-4016
	Bearing,Assembly,Right,Main,Large,Red,1958-'99 bt	24641-87A	31-4017
	Bearing,Assembly,Right,Main,Medium/Large,Blue,1958-'99 bt	24643-87A	31-4018
25	Fitting,Hose,Straight,1/8-27 NPTF x .500",Zinc,Steel		50-8115
26	Fitting,Compression,Male/Female,1/8-27	63523-92, 63523-62	50-8120
27	Seal	63525-92	—
28	Filter,Oil,SB, SH & V-Series,Chrome <i>each</i>		31-4102
	Filter, Oil, SB, SH V-Series, Chrome, 12 <i>Pack</i>	63796-77A	310-0240
	Filter,Oil,SB, SH & V-Series,Black <i>each</i>		31-4101
	Filter, Oil, SB, SH V-Series, Black, 12 <i>Pack</i>	63805-80A	310-0239
29	Adaptor, Oil Filter	26352-95A	—



Bolt Position Diagram



Note: VVT parts cross referenced to stock OEM parts are functionally identical, but may differ slightly in appearance. Line drawings are a typical representation and may not be an exact match. Please confirm the required stock part number for intended application before ordering. All reference to H-D® part numbers are for identification purposes only. We are in no way implying that any of the VVT products are original equipment parts or that they are equivalent to the corresponding H-D part number shown.

Parts for
Twin Cam 96™/103™
2007-2015

Parts for
Twin Cam 88®
1999-2006

Parts for
Evolution®
1984-1999

Parts for
Sportster®
1986-2015

Parts for
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Flatheads

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CRANKCASE GEAR SIDE SERVICE PARTS FOR HARLEY-DAVIDSON EVOLUTION MODELS

Parts for
Twin Cam 96"/103"
2007-2015

Parts for
Twin Cam 88"
1999-2006

Parts for
Evolution®
1984-1999

Parts for
Sportster®
1986-2015

Parts for
Sportster®
1955-1985

Parts for
Shovelheads

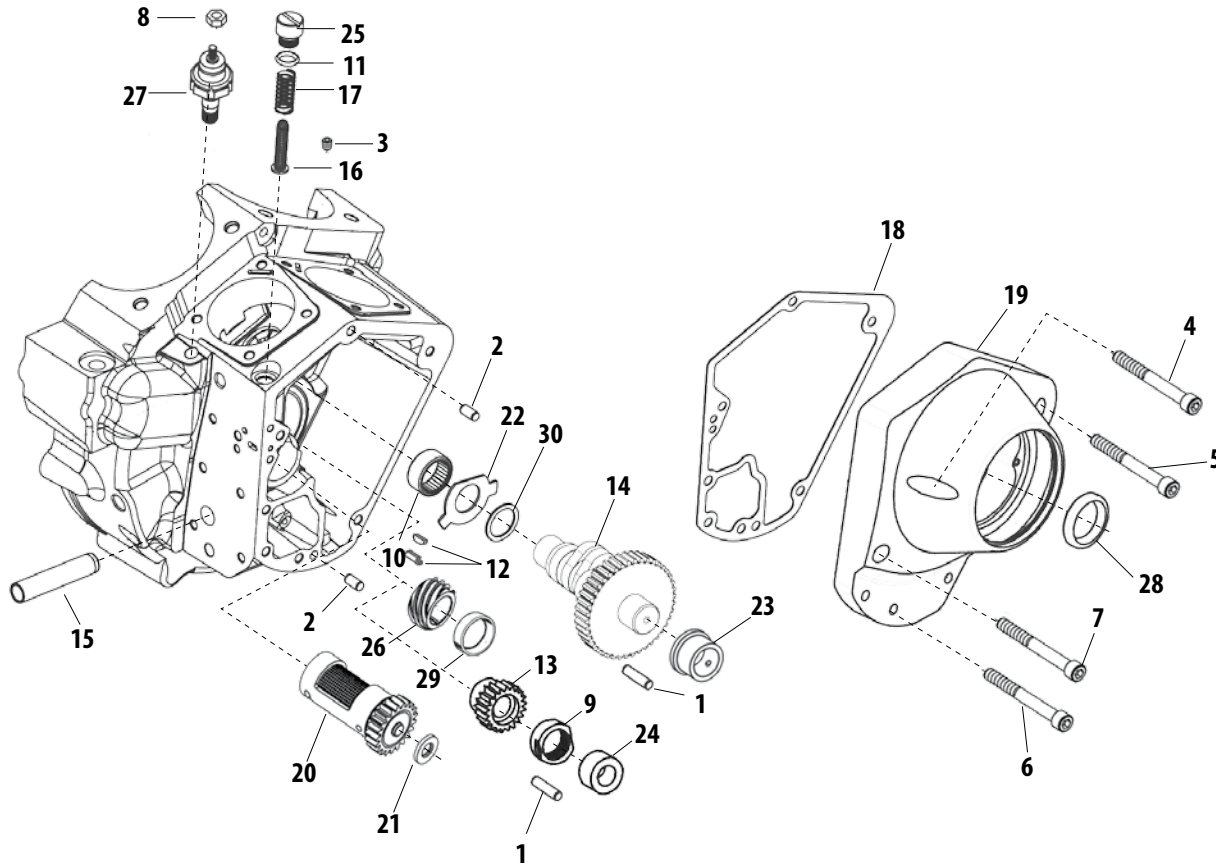
Parts for
Panheads

Parts for
Knuckleheads

Parts for
Flatheads

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#	Description	H-D Part No.	VVT Part No.
1	Pin, Dowel (2 -as required)	275	—
2	Pin, Dowel, .250" x .500", Steel (2) <i>each</i>	358, 366	50-8022
	Pin, Dowel, .250" x .500", Steel, 2 Pack		50-8022-2
	Pin, Dowel, .250" x .500", Steel, 5 Pack		50-8105
3	Plug, Crankcase	653	—
4	Screw, SHCS, 1/4-20 x 1-3/4", Zinc	3480A	50-0010-S
5	Screw, 1/4-20 x 1-3/8 knurled socket hd. (w/lockpatch)	4813A	—
6	Screw, SHCS, 1/4-20 x 1-1/2", Zinc, ASTM A574-92A	4718A	50-0079
7	Screw, SHCS, 1/4-20 x 1-1/4", Zinc <i>each</i>	4740A, 3482A,	50-0008
8	Nut, No.1 0-32 x 3/8 hex (keps)	7629	—
9	Nut, Pinion Gear, 5/8-18 (locking) for 1990-'99 bt	7916A	—
	Nut, Pinion Gear, 5/8-24 UNEF-3B LH x .375", Black, Steel, 4140 for 1984-'89 bt	24023-54	33-4244
10	Bearing, Assembly, Needle, Cam	9058	31-4009
11	O-ring, (-013), .437" ID x .565" OD, Viton <i>each</i>	11105, 11273	50-8008
	O-ring, Oil Return, (-013), .437" ID x .565" OD, Viton, 10 Pack		50-8078
12	T-Key, 1990-'99 bt	11219	—
	Key, Woodruff, .094" x .500" x .491", Steel, 1984-'89 bt <i>each</i>	23985-54	50-8221-S
	Key, Woodruff, .094" x .500" x .491", Steel 5 pack		50-1008
13	Gear, Pinion, Orange, L1977-'89 bt	—	—
	Gear, Pinion, Orange, L1977-'89 bt	24040-78	33-4141
	Gear, Pinion, White, L1977-'89 bt	24041-78	33-4142
	Gear, Pinion, Yellow, L1977-'89 bt	24042-78	33-4143
	Gear, Pinion, Red, L1977-'89 bt	24043-78	33-4144
	Gear, Pinion, Blue, L1977-'89 bt	24044-78	33-4145
	Gear, Pinion, Green, L1977-'89 bt	24045-78	33-4146
	Gear, Pinion, Black, L1977-'89 bt	24046-78	33-4147
14	Set of Cam & Pinion Gears (matched)	24586-93	—
15	Bushing, Drive Shaft, Oil Pump, Stepped, .424" x .533" x 2.540", Bronze, 1936-1999 bt	24641-36	31-4008
16	Screen, Crankcase Oil <i>each</i>	24981-70, 24981-66	31-2010
	Screen, Crankcase Oil, 5 Pack		31-7008
17	Spring, Crankcase Oil Screen, .040" Wire, .340" x .420" x 1.375", Music Wire, 1953-'99 bt L1952 - '99 <i>each</i>	24982-66, 24982-70	31-2011-S
18	Gasket, Gearcover, Undersized Profile, 1970-'99 bt <i>each</i>	25225-93A, 25225-93B	31-2107
	Gasket, Gearcover, Undersized Profile, 1970-'99 bt, 10 Pack		106-0232
19	Gearcover, (Chrome) See chart for complete Gearcover Kit options	25256-93A	—
20	Gear, Breather, L1977-'99 bt	25310-82A, 25313-77B, 25311-90	33-4241
21	Shim, Kit, .100" - .170", Steel, 8 Pack	—	33-4249
	Shim, Breather Gear, .325" x .740" x .130", Steel <i>each</i>	25325-79, 25320-82	33-4203
	Shim, Breather Gear, .325" x .740" x .135"	25321-82	—
	Shim, Breather Gear, .325" x .740" x .140", Steel <i>each</i>	25322-82, 25327-79	33-4204
	Shim, Breather Gear, .325" x .740" x .145"	25323-82	—
	Shim, Breather Gear, .325" x .740" x .150", Steel <i>each</i>	25325-82	33-4205
	Shim, Breather Gear, .325" x .740" x .155"	25326-82	—
	Shim, Breather Gear, .325" x .740" x .160", Steel <i>each</i>	25327-82	33-4206
	Shim, Breather Gear, .325" x .740" x .165"	25328-82	—
22	Washer, Cam, Lock, .062", Steel, 1958 - 99 bt <i>each</i>	25550-57A	33-5201
	Washer, Cam, Lock, .062", Steel, 5 Pack		33-5213
23	Bushing, Cam, Bronze, 1970-'99 bt	25581-70	31-4019
24	Bushing, Pinion Shaft, Bronze, 1973-'92 bt	25582-93, 25582-73	31-4031
25	Screw, Oil Pump/Check Valve/Relief Va, Bright Zinc Plated, Steel <i>each</i>	26263-80, 26362-36	31-6021
	Screw, Oil Pump/Check Valve/Relief Valve, Bright Zinc Plated, Steel, 5 Pack		31-7005
26	Gear, Pinion, Oil Pump Drive for 1993-'99 bt	26354-93	—
	Gear, Pinion, Oil Pump Drive, 6 Tooth, 1954-'89 bt	26349-73, 26349-73A	33-4232
27	Switch, Assembly, Oil Pressure, 1984-'99 bt	26561-84	31-2016
28	Seal, Gearcover Cam, 1" x 1.441" x .250", 1970-up bt <i>each</i>	83162-51	31-4022
29	Spacer, Oil Pump Drive Gear, .740" x .900" x .320", Black, Steel, 1954-'89 bt	24703-54B	33-4289



#	Description	H-D Part No.	VVT Part No.
30	Washer,Cam,Thrust,.820" x 1.060" x .050",Steel	25550-36	33-5200
	Washer,Cam,Thrust,.820" x 1.060" x .055",Steel	25551-36	33-5202
	Washer,Cam,Thrust,.820" x 1.060" x .060",Steel	25552-36	33-5203
	Washer,Cam,Thrust,.820" x 1.060" x .065",Steel	25553-36	33-5204
	Washer,Cam,Thrust,.820" x 1.060" x .070",Steel		33-5205
	Washer,Cam,Thrust,.820" x 1.060" x .070",Steel,5 Pack	25554-36	33-1011
	Washer,Cam,Thrust,.820" x 1.060" x .075",Steel	25555-36	33-5206
	Washer,Cam,Thrust,.820" x 1.060" x .080",Steel	25556-36	33-5207
	Washer,Cam,Thrust,.820" x 1.060" x .090",Steel	25558-36	33-5209
	Washer,Cam,Thrust, 1991-'99 bt	25550-57A	—

NOT DIRECT SERVICE PARTS (SOLD AS ASSEMBLIES) Note: These products are compatible services as assemblies.

#	Description	VVT Part No.
19	Gearcover,Kit,Alternator,Billet Ignition Cover,Chrome,Billet,1973-'92 bt	106-4211
	Gearcover,Kit,Alternator,Billet Ignition Cover,Polished,Billet,1973-'92 bt	31-0335
	Gearcover,Kit,Alternator,Billet Ignition Cover,Polished,Billet,1993-'99bt	31-0336
	Gearcover,Kit,Alternator,Flanged,Billet Outer Cover,Natural,1993-'99 bt	31-0243
	Gearcover,Kit,Alternator,Flanged,Billet Outer Cover,Natural,Cast,1973-'92 bt	31-0209
	Gearcover,Kit,Alternator,Flangeless,Natural,Cast,1973-'92 bt	31-0203

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OIL PUMP SERVICE PARTS FOR HARLEY-DAVIDSON EVOLUTION MODELS

Parts for
Twin Cam 96™/103™
2007-2015

Parts for
Twin Cam 88®
1999-2006

Parts for
Evolution®
1984-1999

Parts for
Sportster®
1986-2015

Parts for
Sportster®
1955-1985

Parts for
Shovelheads

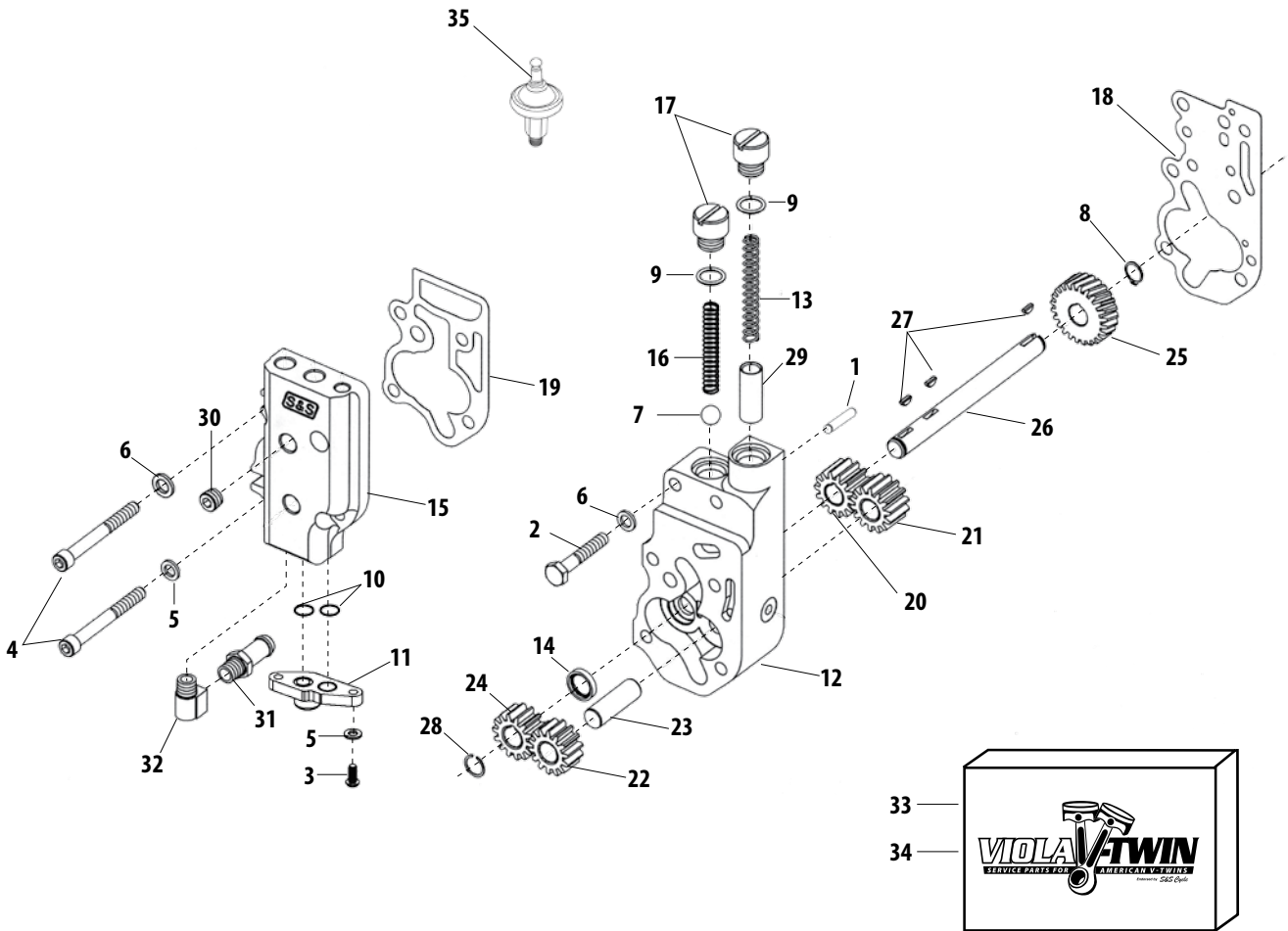
Parts for
Panheads

Parts for
Knuckleheads

Parts for
Flatheads

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Cross Reference

#	Description	H-D Part No.	VVT Part No.
1	Pin, Valve Stop	239	—
2	Screw,SHCS,1/4-20 x 1-3/4",Zinc	3480A, 891, 4810	50-0010-S
3	Screw, 1/4-20 x 3/4 torx socket button hd (w/lockpatch)	942	—
4	Screw, 1/4-20 x 2-1/4 knurled socket hd. (w/lockpatch)	4742A	—
5	Washer, 1/4 x 7/16 x 1/16	6099	—
6	Washer, 1/4 x 1/2 x 3/32	6239	—
7	Ball,Check Valve,.375",Stainless Steel	8866, 8873	50-8091
8	Retaining Ring,Oil Pump Drive Gear,Carbon Steel,SAE 1060-1090 <i>each</i>	11002	50-8059
	Retaining Ring,External,Tru-arc,.366" x .025",10 Pack		50-8107
9	O-ring,(-013),.437" ID x .565" OD,Viton <i>each</i>	11105, 11273	50-8008
	O-ring,Oil Return,(-013),.437" ID x .565" OD,Viton,10 Pack		50-8078
10	O-ring (2)	11241	—
11	End Cap	26030-92A	—
	Oil Pump	26050-92	—
12	Body, Oil Pump <i>See chart for complete Oil Pump Kit</i>	26226-92	—
13	Spring,Relief Valve,.040" Wire,.242" x .324" x 2.32",ASTM A-229,1936-'99 <i>bt each</i>	26207-83	31-6018
	Spring,Relief Valve,1936-'99 <i>bt,10 Pack</i>		31-6084
14	Seal,Oil Pump Drive Shaft,1968-up <i>bt</i>	26227-58	31-6005
15	Cover, Oil Pump	26267-92	—
16	Spring,Check Valve,.020" Wire,.265" x .319" x 1.940",Music Wire,1936-'99 <i>bt each</i>	26363-36, 26363-56,	31-6022
	Spring,Check Valve,1936-'99 <i>bt,10 Pack</i>	26262-80	31-6092
17	Screw,Oil Pump/Check Valve/Relief Valve,Bright Zinc Plated,Steel (2) <i>each</i>	26263-80, 26362-36	31-6021
	Screw,Oil Pump/Check Valve/Relief Valve,Bright Zinc Plated,Steel,5 Pack		31-7005
18	Gasket,OP Body,Stock,Paper,1992-'99 <i>bt each</i>	26273-92	310-0387
	Gasket,OP Body,Paper,1992-'99 <i>bt,10 Pk</i>		310-0395
	Gasket,OP Body,Stock,Paper,1984-'91 <i>bt each</i>		310-0386
	Gasket,OP Body,Paper,1984-'91 <i>bt,10 Pk</i>		310-0394
19	Gasket,OP Cover,Stock,Paper,1992-'99 <i>bt, each</i>	26273-80B	310-0389
	Gasket,OP Cover,Paper,1992-'99 <i>bt,10 Pk</i>		310-0397
	Gasket,OP Cover,Stock,Paper,1984-'91 <i>bt each</i>		310-0388
	Gasket,OP Cover,Paper,1984-'91 <i>bt,10 Pk</i>		310-0396
20	Gear, Return Drive, 1968-'99 <i>bt</i>	26315-68A	31-6013
21	Gear,Return Idler,1968-'99 <i>bt</i>	26317-68A	31-6014
22	Gear, Idler, 1962-'67 ret,1968-'99 supply ohbt	26326-62A	31-6016
23	Shaft,Idler,.4243" x 1.3350",Cold Drawn Steel,AISA 1215,1968-'99 <i>bt</i>	26327-68	31-6004
24	Gear,Supply Drive,1936-up <i>bt</i>	26328-74, 26320-36	31-6015
25	Gear,Pinion,Oil Pump Drive,24 Tooth,1973-'99 <i>bt</i>	26345-73	33-4230
26	Shaft,Drive,Oil Pump,.4223" x 4.650",Cold Drawn Steel,AISI 1146,1968-'99 <i>bt</i>	26346-70	31-6011
27	Key,Woodruff,.094" x .313" x .311",Steel (3) <i>each</i>	26347-15	50-8220-S
	Key,Woodruff,.094" x .313" x .311",Steel,10 Pack		50-8229
28	Retaining Ring,Oil Pump Drive Shaft,SAE 1060-1090 <i>each</i>	695-36, 26348-36	50-8058
	Retaining Ring,External,.382" x .021",10 Pack		50-8106
29	Valve,Pressure Relief,Oil Pump,1984-'99 <i>bt</i>	26400-82, 26400-82B	31-6082
30	Plug,Pipe,3/4 Taper,1/8-27 NPTF x .188",Zinc,Steel (2) <i>each</i>	45830-48	50-8331
	Plug,Pipe,3/4 Taper,1/8-27 NPTF x .188",Zinc,Steel,10 Pack		50-1015
31	Fitting,Hose,Straight,1/8-27 NPTF x .500",Zinc,Steel		50-8115
32	Fitting, Pipe, 90j, Male/Female, 1/8-27 NPTF x .500", Zinc Plated, Steel <i>each</i>	26338-68A, 26561-81A,	106-2682
	Fitting,Pipe,90j,Male/Female,1/8-27 NPTF x .500",Zinc,Steel,5 Pack	26561-84A, 26338-68	50-1007



Parts for
Twin Cam 96™/103™
2007-2015

Parts for
Twin Cam 88®
1999-2006

Parts for
Evolution®
1984-1999

Parts for
Sportster®
1986-2015

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Sportster®
1955-1985

Parts for
Shovelheads

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Parts for
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Cross Reference

#	Description	H-D Part No.	VVT Part No.
33	Rebuild Kit, Oil Pump, Gasket, Stock, 1984-'91 bt (#27 3 ea., #8, #18, #19)	—	310-0390
	Rebuild Kit, Oil Pump, Gasket, Stock, 1992-'99 bt (#27 3 ea., #8, #18, #19)	—	310-0391
34	Rebuild Kit, Oil Pump, Master, Stock, 1984-'91 bt (#27 3 ea., #8, #18, #19, #9 2ea., #14, #13, #16, #7, #28, #29)	—	310-0392
	Rebuild Kit, Oil Pump, Master, Stock, 1992-'99 bt (#27 3 ea., #8, #18, #19, #9 2ea., #14, #13, #16, #7, #28, #29)	—	310-0393
35	Switch, Oil Pressure, 1984-'99 bt	26561-84	550-0400

NOT DIRECT SERVICE PARTS (SOLD AS ASSEMBLIES) Note: These products are compatible services as assemblies.

#	Description	VVT Part No.
	Oil Pump, Kit, Universal, w/ Gears, Polished, Billet, 1978-'91 bt	31-6295
	Oil Pump, Kit, w/ Gears, Pre-1989 Pinion Shaft, Polished, Billet, 1992-'99 bt	31-6296

Note: VVT parts cross referenced to stock OEM parts are functionally identical, but may differ slightly in appearance. Line drawings are a typical representation and may not be an exact match. Please confirm the required stock part number for intended application before ordering. All reference to H-D® part numbers are for identification purposes only. We are in no way implying that any of the VVT products are original equipment parts or that they are equivalent to the corresponding H-D part number shown.



CARBURETOR SERVICE PARTS FOR HARLEY-DAVIDSON EVOLUTION MODELS

Parts for
Twin Cam 96™/103™
2007-2015

Parts for
Twin Cam 88®
1999-2006

Parts for
Evolution®
1984-1999

Parts for
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1986-2015

Parts for
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Cross Reference

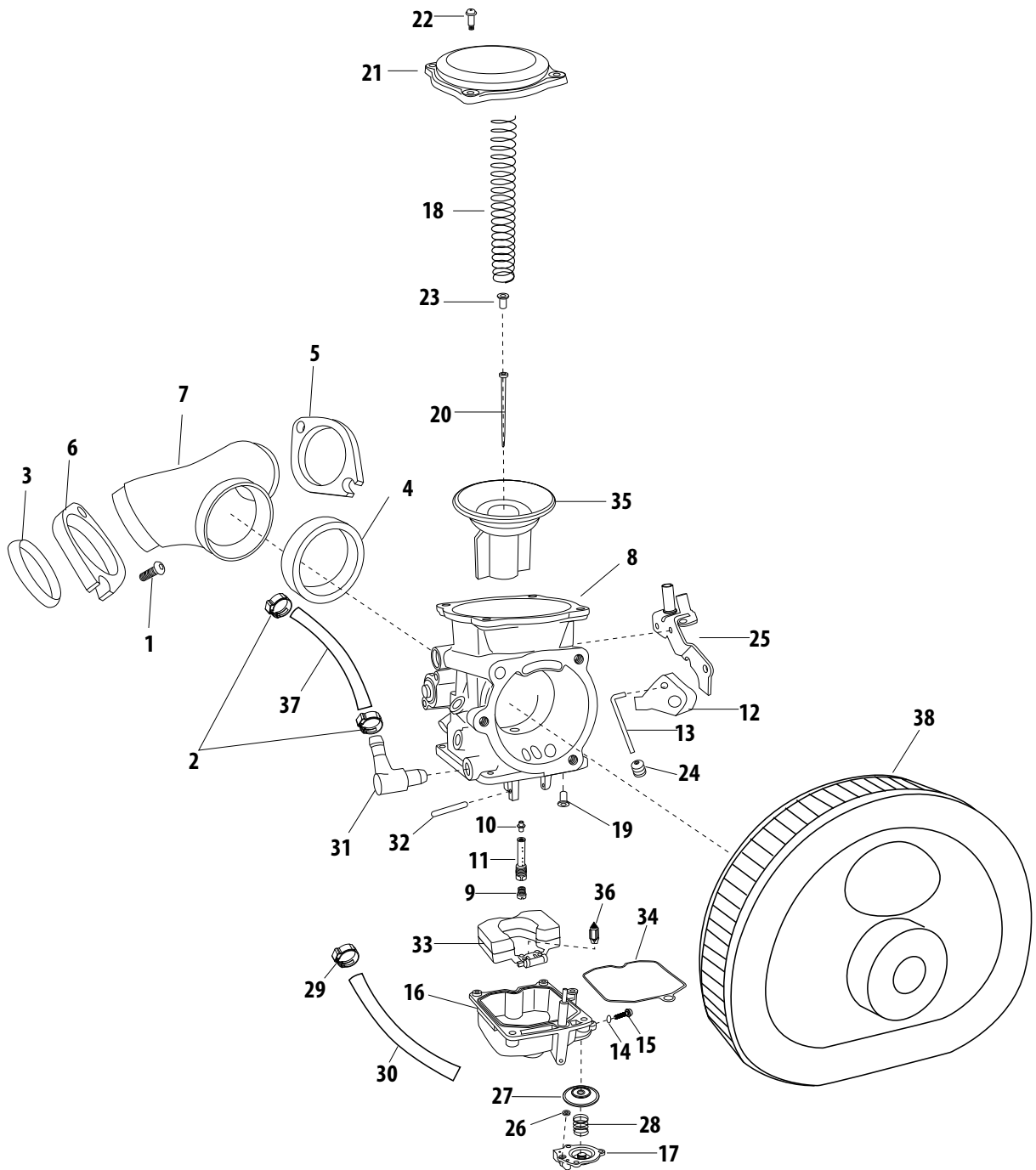
#	Description	H-D Part No.	VVT Part No.
1	Screw,SHCS,5/16-18 x 3/4",Zinc,ASTM A574-92A <i>each</i>	3275	50-0302-S
2	Clamp (2)	10014	—
3	Seal,Intake,Stock Heads,1984-up bt, 1986-up xl <i>each</i>	26992-99, 26995-86A,	16-0236
	O-ring,Manifold,Stock Ports,1.780" ID x 2.050" OD,Black,Viton,10 Pack	26995-86B	16-0244
4	U-ring, Manifold, 40mm Stock CV/42mm Mikuni,	27002-89	16-0242
5	Flange,Front,Manifold,1984-2005 bt, 1986-2006 xl <i>each</i>	27009-86A	16-0232
	Flange,Front,Manifold,1984-2005 bt, 1986-2006 xl, S Pack		16-0600
6	Flange,Rear,Manifold,1984-2005 bt, 1986-2006 xl <i>each</i>	27010-86A	16-0233
	Flange,Rear,Manifold,1984-2005 bt, 1986-2006 xl, S Pack		16-0601
7	Manifold,CV Carb,S&S Ports,1-7/8",#410,Natural,1984-'99 bt <i>See chart for compatible Manifold</i>	27019-89, 27019-89A	—
8	Carburetor	27492-96	—
9	Main Jet, 1.70 mm <i>See chart for complete Jet Kit</i>	27115-88	—
10	Needle Jet	27100-88	—
11	Needle Jet Holder <i>See chart for complete Jet Kit</i>	27101-88	—
12	Lever	27126-89	—
13	Rod	27156-89	—
14	O-Ring	27157-89	—
15	Drain Screw	27158-89	—
16	Float Chamber Assembly	27159-92	—
17	Pump Housing	27160-89	—
18	Spring	27162-89	—
19	Slow Jet	27171-89	—
20	Jet Needle	27253-96	—
21	Top, Carburetor	27261-96	—
22	Screw, Top (3)	27262-96	—
23	Collar	27263-96	—
24	Boot, Accelerator Pump	27311-76	—
25	Bracket, Throttle Cables	27340-90	—
26	O-Ring	27360-76	—
27	Diaphragm, Accelerator Pump	27361-76	—
28	Spring, Diaphragm	27362-76	—
29	Clip, Overflow Hose	27368-76	—
30	Hose, Overflow with Clip	27369-76	—
31	Fitting	27371-76	—
32	Pin	27575-88	—
33	Float	27576-92	—
34	O-Ring, Float Chamber	27577-92	—
35	Vacuum Piston	27585-88	—
36	Valve, With Clip	27886-78A	—
37	Fuel Hose, Preformed	62356-95	—
38	Filter,Air,Carb,1990-'99 bt <i>Note: The filter media is washable and reusable</i>	29330-96	106-4632

NOT DIRECT SERVICE PARTS (SOLD AS ASSEMBLIES) *Note: These products are compatible services as assemblies.*

#	Description	VVT Part No.
7	Manifold,CV Carb,S&S Ports,1-7/8",#410,Natural,1984-'99 bt	16-1736
9, 11	Jet, Kit, CV Carb, 1990-'99 bt *(Assorted popular jets, needles and emulsion tubes) For more info, see S&S instruction sheet #51-1177	11-5202

*Not legal for sale or use on CA or EPA pollution controlled vehicles.

Harley-Davidson® Evolution® Models



Parts for
Twin Cam 96™/103™
2007-2015

Parts for
Twin Cam 88®
1999-2006

Parts for
Evolution®
1984-1999

Parts for
Sportster®
1986-2015

Parts for
Sportster®
1995-1985

Parts for
Shovelheads

Parts for
Panheads

Parts for
Knuckleheads

Parts for
Flatheads

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ALTERNATOR & REGULATOR SERVICE PARTS FOR HARLEY-DAVIDSON EVOLUTION MODELS

Parts for
Twin Cam 96™/103™
2007-2015

Parts for
Twin Cam 88®
1999-2006

Parts for
Evolution®
1984-1999

Parts for
Sportster®
1986-2015

Parts for
Sportster®
1955-1985

Parts for
Shovelheads

Parts for
Panheads

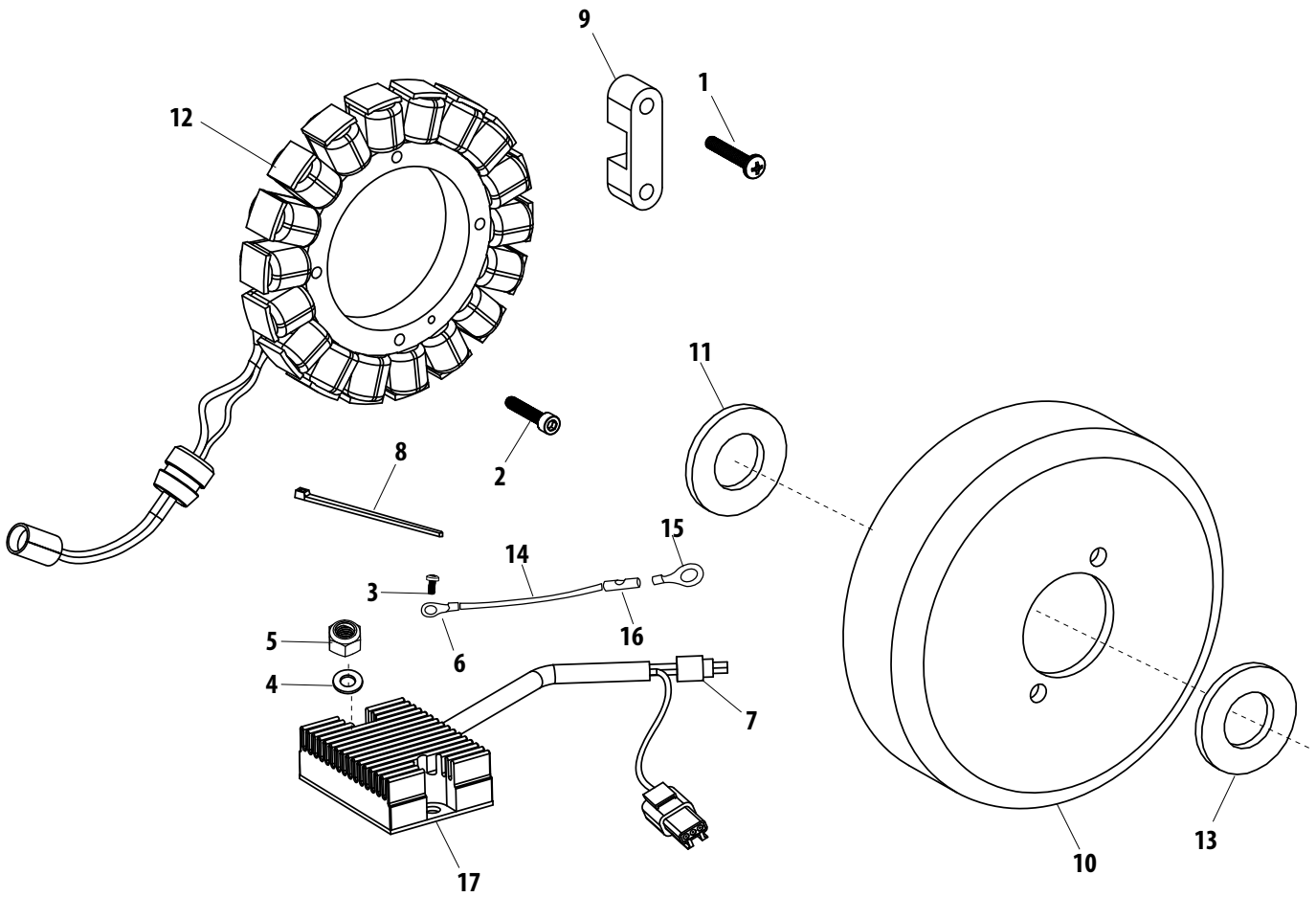
Parts for
Knuckleheads

Parts for
Flatheads

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Cross Reference

#	Description	H-D Part No.	VVT Part No.
1	Screw, #4-24 X 1/2 self tapping	2273	—
2	Screw, SHCS, 10-24 x 1", Alloy Steel <i>each</i>	2720	50-0044
3	Screw, NO. 10-24 X 3/8 soc. button hd.	4134	—
4	Lockwasher, 1/4 internal tooth	7124	—
5	Nut, 1/4-20 X1-3/8 hex hd. (Grade 2 steel)	7688	—
6	Terminal, #10 ring -12 -14 gauge	9840	—
7	Wire Terminal, ring type	9866	—
8	Wire, Tie, 8", Black, Nylon <i>each</i>	10006, 10065	50-8346-S
9	Retainer, alternator plug	29954-71A	—
10	Rotor Assembly 84-94 all BT 95-99 00-03w/32 amp alt.	29957-81B	550-0361
11	Spacer	29961-85	—
12	Stator 81-88 BT 22A	29965-81A	550-0357
12	Stator 89-99 BT 32A	29970-88	550-0358
12	Stator 97-98 FLH-FLT 38/48A	29987-97	550-0325
13	Spacer, sprocket shaft with hex 0.0 - 0.070 thick	35854-96	—
14	Cable, regulator ground	70041-95	—
15	Terminal, 1/4" ring - int. star 10-12 gauge	72242-94	—
16	Heat Shrink Tubing, dual wall - .7 x 2"	72249-94	—
17	Regulator 22 amp 1981-'88 bt black	74512-86, 74513-82A, 74513-85, 74515-86, 74516-86	550-0335
17	Regulator 32 amp 1988-'99bt except 1997-up FLT, black	74519-88A, 74519-99	550-0340
17	Regulator 1995-'96 FLHT injected models	74505-95	550-0319

NOT DIRECT SERVICE PARTS (SOLD AS ASSEMBLIES) <i>Note: These products are compatible services as assemblies.</i>		
#	Description	VVT Part No.
	Complete Charging System 1970-'98 All Big Twins, not stock service for 1970-'84. Upgrade to 22A CE-8188 CE-8100 CE-204	550-0299
	Complete Charging System 1989-'98 BT	550-0306
	Complete Charging System 1989-'99 Softail	550-0307
	Complete Charging System Upgrade 1984-'98 FLH, FLT, FXR 38 3 phase	550-0310
	Complete Charging System Upgrade 1989-'98 FLH, FLT, FXR 50a 3 phase	550-0311
12	Service Stator for 50 amp 84T kits	550-0363
17	Regulator 1989-'99 softail	550-0341



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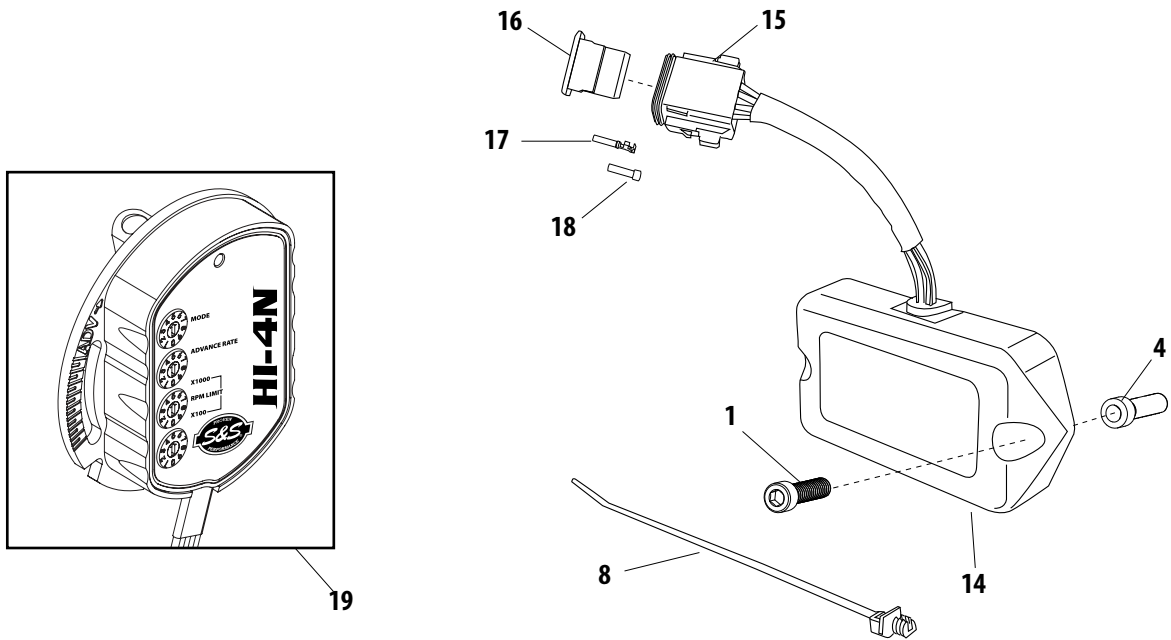
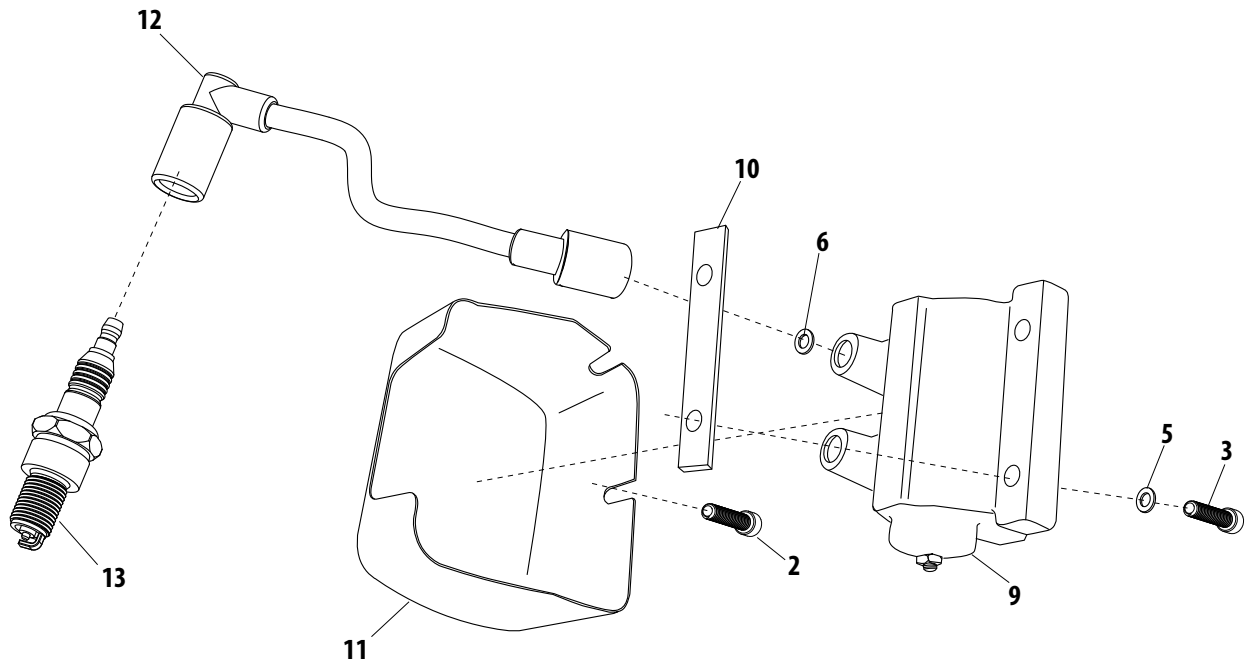
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#	Description	H-D Part No.	VVT Part No.
1	Screw #10-32 X 1 1/4 mach screw truss hd	949	—
2	Screw with washer (2)	3602A	—
3	Bolt, 1/4-20 x 1-1/4 hex. hd. (Grade 5 steel)	3993	—
4	Well Nut (2)	5207	—
5	Lockwasher, 1/4	7036	—
6	Nut, No.1 0-32 x 3/8 hex (keps)	7629	—
7	Terminal, spark plug cable (2)	9908	—
8	Cable strap with plug-in retainer	10177	—
9	Coil, Ignition, Dual Fire, 3 ohm, 1984-'99 bt/xl	31614-83, 31614-83A	550-0500
10	Nut Plate	31727-85	—
11	Ignition Coil Cover Kit (chrome)	31800-78A	—
12	Spark Plug Cable, rear cylinder <i>See chart for Spark Plug Wire options</i>	31983-71B	—
	Spark Plug Cable, front cylinder <i>See chart for Spark Plug Wire options</i>	31985-91	—
13	Spark Plug, Resistor, 14mm (2) <i>each</i>	32342-04, 32311-83	55-1321
	Spark Plug, Resistor, 14mm, 2 Pack (2) <i>2 Pack</i>		55-1323
14	Ignition Module with connector assembly	32449-95A	—
15	Plug, eight-way socket	72118-94BK	—
16	Socket Lock, eight-way	72158-94	—
17	Terminal, socket (7)	72191-94	—
18	Seal Pin	72195-94	—

NOT DIRECT SERVICE PARTS (SOLD AS ASSEMBLIES) *Note: These products are compatible services as assemblies.*

#	Description	VVT Part No.
12	Wire Set, Spark Plug, 84-90 softail, 85-86 FXD, FXWG	550-0507
	Wire Set, Spark Plug, 82-94 FXR	550-0508
	Wire Set, Spark Plug, 91-99 Softail	550-0510
	Wire Set, Spark Plug, 85-98 FLT, FLHT	550-0508
	Wire Set, Spark Plug, Universal w/90° boots	550-0524
	Wire Set, Spark Plug, Universal w/ Variangle Boots	550-0525
19	Ignition, HI-4N, 70-99 bt, non EFI, 71-02 XL models	550-0501
	Ignition, Kit, HI-4N, 70-99 bt, non EFI, 71-02 XL models includes Single Fire Coil and Universal Plug Wires	550-0502



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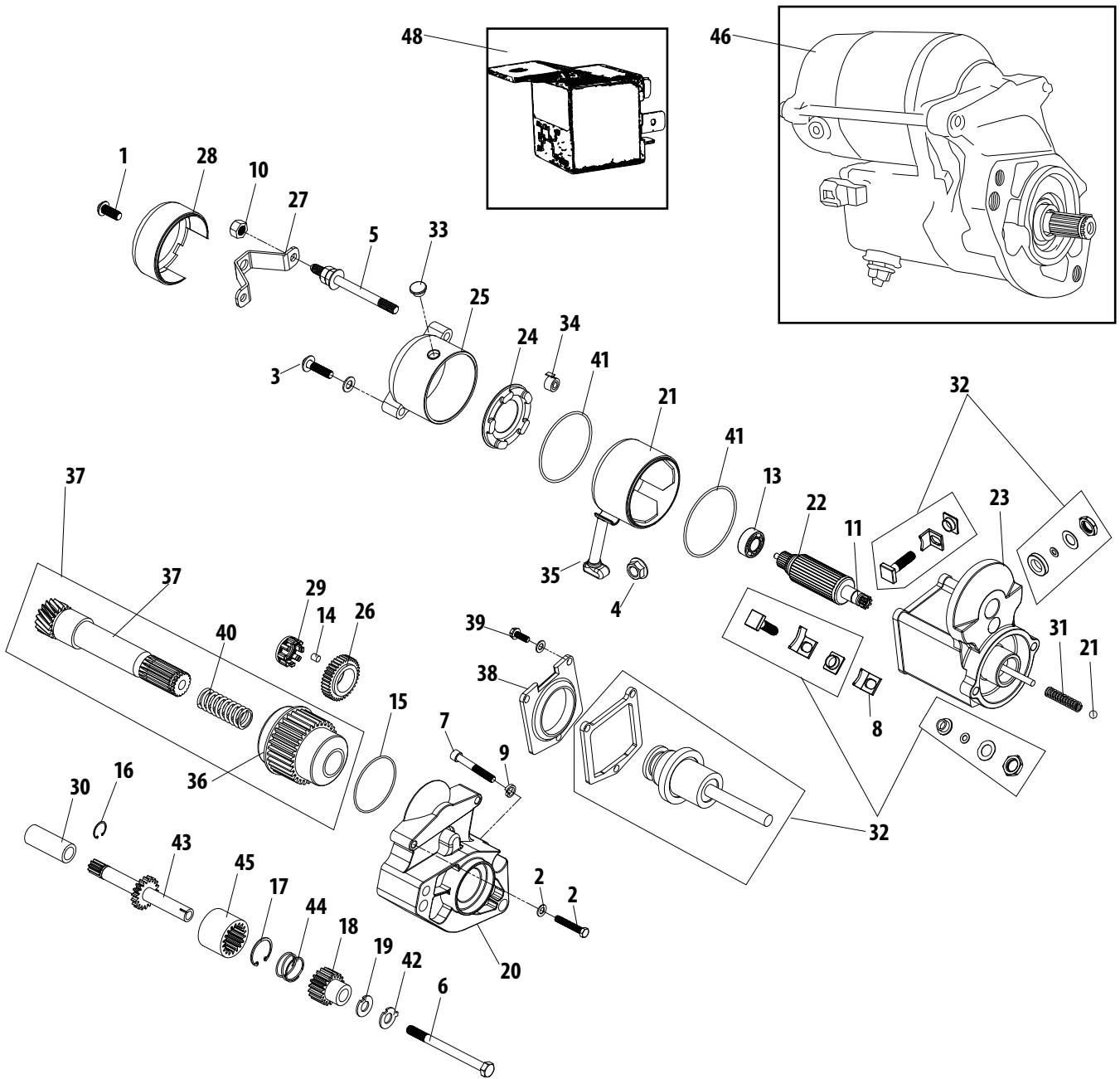
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#	Description	H-D Part No.	VVT Part No.
1	Screw, Cover	925	—
2	Bolt, Starter (2)	928	—
3	Screw w/O-Ring (2)	929A	—
4	Nut, Flange	3403	—
5	Bolt, Starter (2)	3559	—
6	Screw	4358A	—
7	Screw (2)	4326A	—
8	Washer	6217	—
9	Lockwasher (2)	7041	50-7032
10	Nut, With Washer (2)	7838	—
11	Ball Bearing	8871	—
12	Ball	8879	—
13	Ball Bearing	8883	—
14	Clutch Roller (5)	9077	—
15	O-Ring	11116	550-0388
16	Retaining Ring	11182	—
17	Retaining Ring	11248	—
18	Pinion Gear	31342-94	—
19	Washer, Thrust	31430-94	—
20	Housing, Starter	31510-90	—
21	Yoke Assembly, Starter	31521-98	—
22	Armature Assembly	31515-90	—
23	Switch Assembly, Magnetic w/Housing	31538-98	—
24	Brush Holder Assembly	31518-90	—
25	Frame, Starter End	31519-90	—
26	Idler Gear	31525-90	—
27	Bracket, Cover	31527-90	—
28	Cover (Chrome)	31535-91	—
29	Retainer, Idler Gea	31530-90	—
30	Coupling	31548-90	—
31	Spring, Return	31600-90	—
32	Starter Repair Kit	31604-91	—
33	Drain Vent	31660-90	—
34	Spring, Brush (4)	31661-90	—
35	Boot, Insulating	31662-90	—
36	Starter Clutch, w/Bearing, 1991-2006 bt	31663-90	550-0371
	Starter Clutch, w/Bearing, 1989-'90 bt (Not Shown)	31544-90	550-0372
	Starter Clutch, 1967-'80 xl, 1965-'88 bt (Not Shown)	31443-65A	550-0374
37	Shaft, Output	31664-94	—
38	Cover, Solenoid	31688-90	—
39	Bolt w/Washer (3)	31689-90	—
40	Spring	31692-90	—
41	O-Ring (2)	31695-90	—
42	Lock Tab, Starter Shaft Bolt, Starter Motor, 1994-Up bt, 10 Pack	33126-94	560-0119
	Lock Tab, Starter Shaft Bolt, Starter Motor, 1993 bt Only, 10 Pack	33126-93	560-0118
	Lock Tab, Starter Shaft Bolt, Starter Motor, 1990-'92 bt, 10 Pack	33126-90	560-0117
	Lock Tab, Starter Shaft Bolt, Starter Motor, 1989-'90 bt, 10 Pack	33125-89	560-0116
43	Shaft, Extension	33127-94	—
44	Spring, Pinion Gear	33449-94	—

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#	Description	H-D Part No.	VVT Part No.
45	Coupling	60647-94	—
46	Starter, Motor, 1.4Kw, Black, 1989-2006 bt (includes special bolt for 1989-'93 applications)	31558-94, 31559-99	550-0276
	Starter, Motor, 1.4Kw, Chrome, 1989-2006 bt (includes special bolt for 1989-'93 applications)	31558-94, 31559-99	550-0277
	Starter, 1974-'88 bt,xlh Hitachi Type Chrome (Not Shown)	31570-73	550-0281
	Starter, 1974-'88 bt, xlh Hitachi Type Black (Not Shown)	31570-73	550-0282
47	Solenoid, Starter, Dual Bracket, 5 Spd, Zinc, 1965-'88 bt (Not Shown)	31489-79B	550-0390

NOT DIRECT SERVICE PARTS (SOLD AS ASSEMBLIES) Note: These products are compatible services as assemblies.

#	Description	VVT Part No.
	Jackshaft, Kit, Starter, 102T Ring Gear, 1994-'06 bt	560-0147
48	Start Boost Relay	550-0503

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CAM POSITION SENSOR SERVICE PARTS FOR HARLEY-DAVIDSON EVOLUTION MODELS

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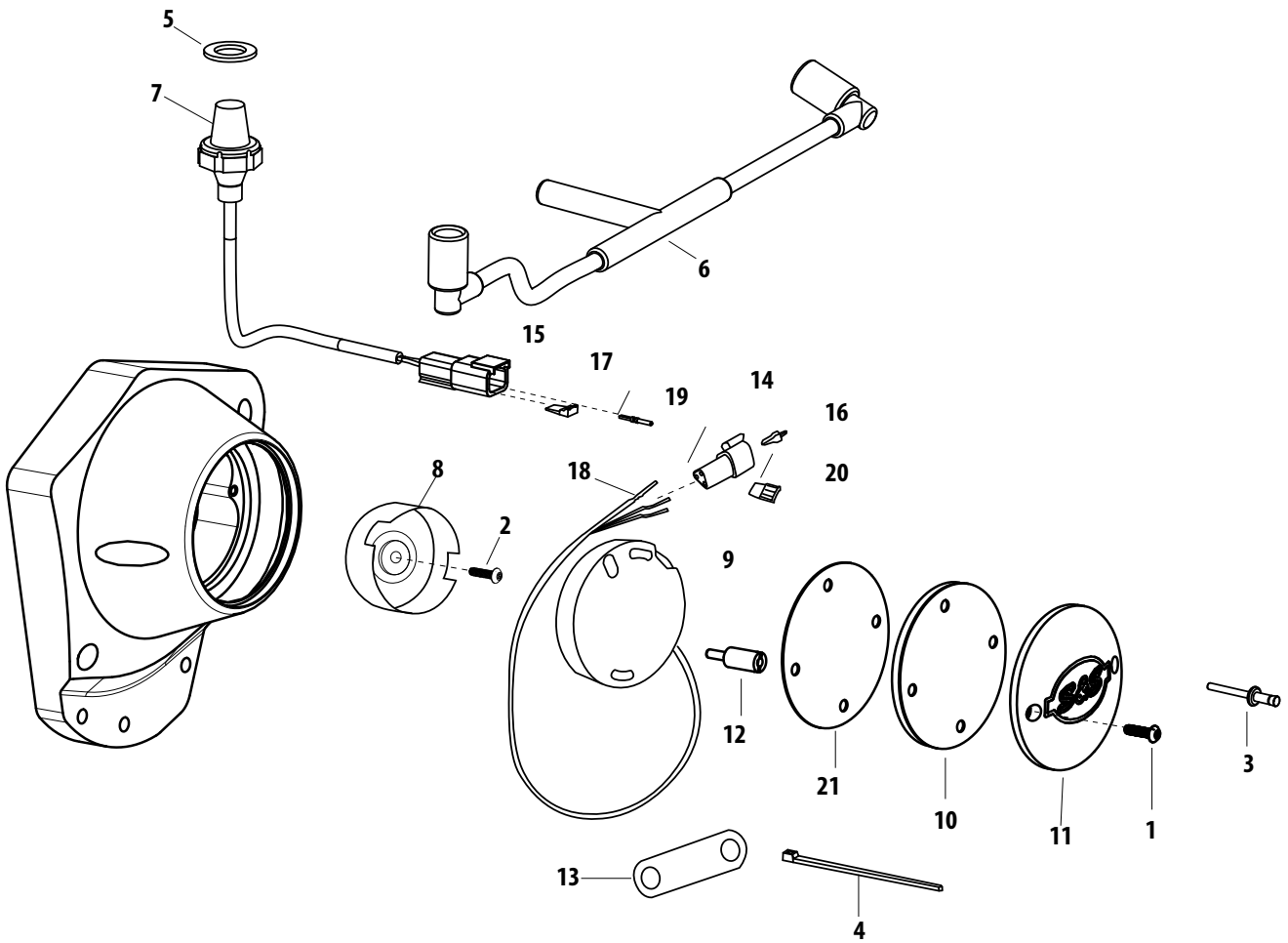
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#	Description	H-D Part No.	VVT Part No.
1	Screw, FHCS, 8-32 x 1/2", Stainless Steel <i>each</i>	1601	50-0353-S
2	Screw, SLTD Panhead, 10-32 x 3/4", Brass	2611B	—
3	Rivet, Timer Cover (2)	8699	—
4	Wire, Tie, 8", Black, Nylon	10006, 10065	50-8346-S
	Cable Strap	10073	—
5	Retaining Ring	11192	—
6	Vacuum Hose Assembly	26563-95	—
7	Vacuum Switch w/Connector Assembly 1984-'90 FXST, 1986-'89 FLT	26558-84	550-0397
	Vacuum Switch w/Connector Assembly 1984-'90 FXR	26557-83	550-0398
	Vacuum Switch w/Connector Assembly 1991-'95 FXST, FLST, Dyna, FXR	26566-91	550-0399
8	Cup, Kit, Rotor, Ignition, Super Stock (includes screw)	32402-83, 32401-80	55-1247
9	Sensor, Cam Position, 1980-'93 FLT, 1980-'94 FXR, xl, 1984-85 FXST	32400-80A, 62400-80A	550-0410
	Sensor, Cam Position, 1991-'95 Dyna	32404-90	550-0411
	Cam Position, 1994-'95 FLT, 1995-'97 xl, 1998-'03 xl 1200S	32400-94	550-0412
10	Timer Cover, Inner	32504-80	31-0215
11	Timer Cover	32524-83	—
12	Screw, Timing Mechanism, Steel (2) <i>each</i>	32606-82	31-0224
	Screw, Timing Mechanism, Steel, 2 Pack	32606-82	31-0224P
13	Retainer, Sensor Wire, Low Carbon Steel	38711-93	31-2029
14	Receptacle -three-way	72103-94BK	—
15	Plug, two-way socket	72112-94BK	—
16	Secondary Lock, three-way receptacle	72143-94	—
17	Socket Lock, secondary, two-way	72152-94	—
18	Terminal, pin (3)	72190-94	—
19	Terminal, socket (2)	72191-94	—
20	Attachment Clip	72199-94	—
21	Gasket, Ignition Cover, 1970-'99 bt <i>each</i>	32591-70, 32591-80	31-0225

NOT DIRECT SERVICE PARTS (SOLD AS ASSEMBLIES) *Note: These products are compatible services as assemblies.*

#	Description	VVT Part No.
7	Switch, VOES, Super Stock Ignition, w/ Connectors, * (<i>Note: The S&S switch does not come with the OEM connector</i>)	55-1248*

*S&S part number 55-1248 is a vacuum switch with mounting hardware and a 9" long piece of vacuum hose. It is set for a nominal 6" Hg vacuum. Check your service manual for recommended vacuum switch setting before using this part.



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INDUCTION MODULE SERVICE PARTS FOR HARLEY-DAVIDSON EVOLUTION MODELS

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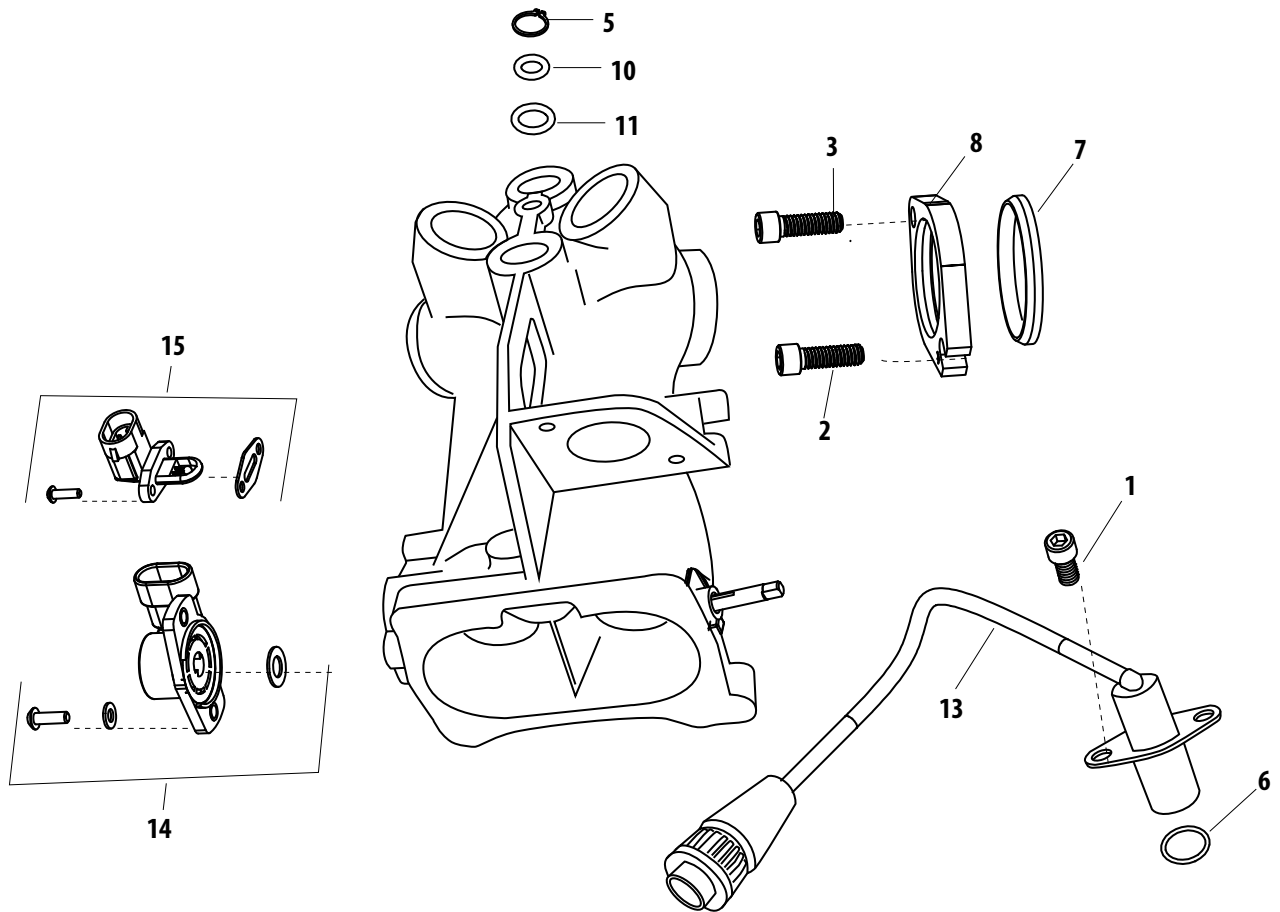
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#	Description	H-D Part No.	VVT Part No.
1	Screw (2)	1241	—
2	Screw,SHC,5/16-18 x 1",Zinc,ASTM A574-92A	3201WA, 2708	50-0101
3	Bolt, 5/16-18 X 3/4 hex. hd. (Grade 5 steel) (2)	3987	50-0108
—	Clamp (4) (Not Shown)	10150	—
5	Retaining Ring (2)	11150	560-0187
6	O-Ring	11170	—
7	O-ring, Manifold, Stock Ports, 1.780" ID x 2.050" OD, Black, Viton (2) <i>each</i>	26992-99, 26995-86A,	16-0236
	O-ring,Manifold,Stock Ports,1.780" ID x 2.050" OD,Black,Viton,10 Pack	26995-86B	16-0244
8	Flange,Front,Manifold,1984-2005 bt, 1986-2006 xl <i>each</i>	27009-86A	16-0232
	Flange,Front,Manifold,1984-2005 bt, 1986-2006 xl,5 Pack		16-0600
	Flange,Rear,Manifold,1984-2005 bt, 1986-2006 xl <i>each</i>	27010-86A	16-0233
	Flange,Rear,Manifold,1984-2005 bt, 1986-2006 xl,5 Pack		16-0601
9	Induction Module Assembly, with 27237-95 & 27244-95	27202-95	—
10	O-Ring, Fuel Fitting - Upper (2)	27237-95	—
11	O-Ring, Fuel Fitting - Center (2)	27244-95	—
—	Spacer, Crankshaft Position Sensor (Not Shown)	29991-95	—
13	Sensor, Crankshaft Position	32447-95	—
14	Sensor,Kit,Throttle Position,VFI	27271-95	55-5058
15	Sensor,Kit,Temperature,Intake Air	27270-95	55-5041



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TRANSMISSION HOUSING SERVICE PARTS FOR HARLEY-DAVIDSON EVOLUTION MODELS

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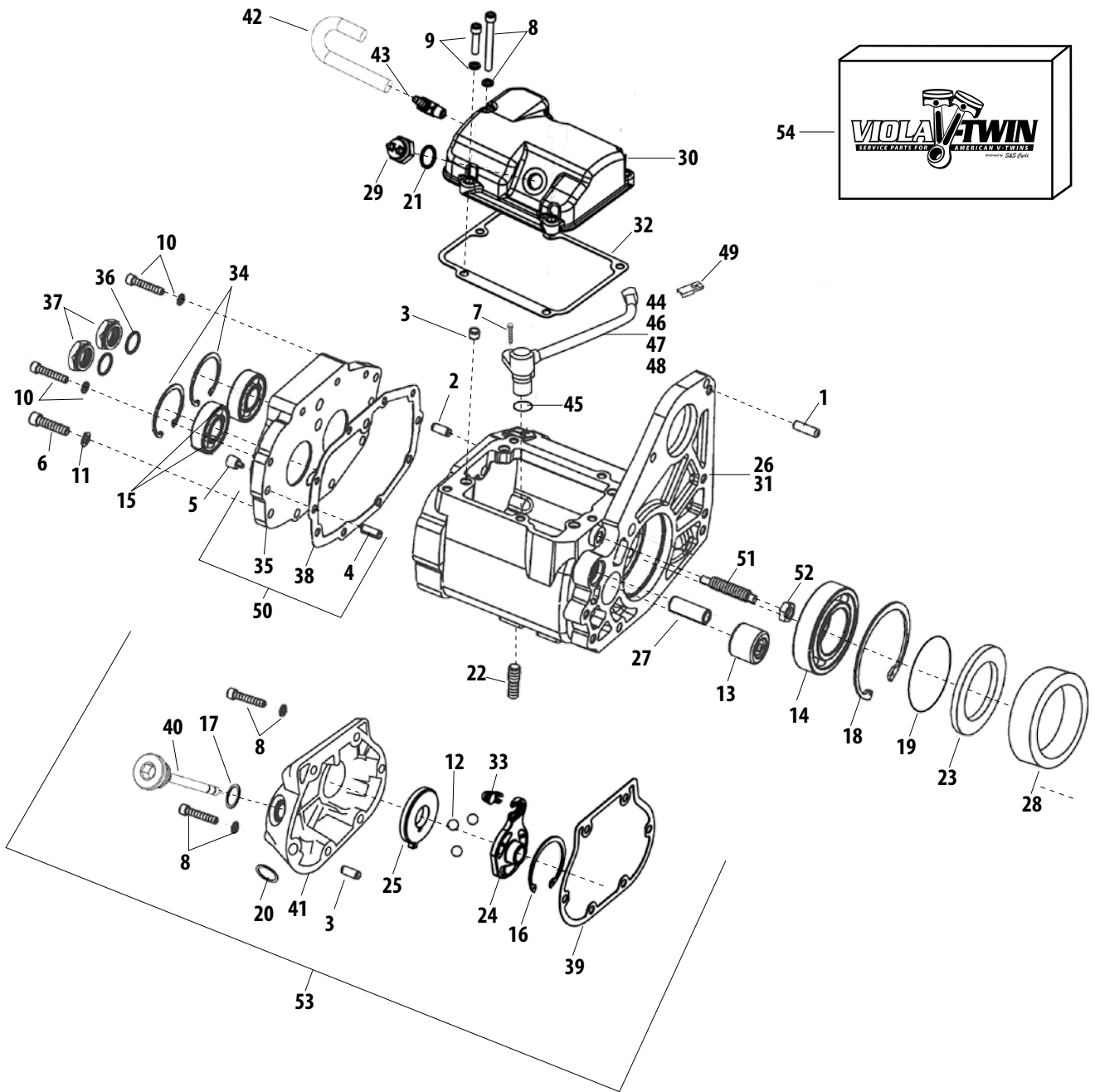
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#	Description	H-D Part No.	VVT Part No.
1	Pin,Dowel,.312" x 1",Steel	337	50-8171
2	Pin,Dowel,.308" x .700",Steel	375	50-8029
3	Pin,Roll,.392" x .320",Steel (6)	609	50-8173
4	Pin,Roll,.328" x .760",Zinc,Steel <i>each</i>	634	50-8175
5	Plug,Pipe,Magnetic,1/8-27 NPTF x .375",Zinc,Steel	739A	50-8334
6	Screw,SHC,5/16-18 x 1-1/4",Zinc,ASTM A574-92A	3210A	50-0121
	Screw (2)	3277	—
7	Screw, 1/4-20 x 5/8 hex socket head cap	3594	50-0071
8	Screw, 1/4-20 x 2-1/4 knurled socket hd. (w/lockpatch)	4717A	50-0078
9	Screw, 1/4-20 x 1-1/4 knurled socket hd. (w/lockpatch)	4740A, 3482A	50-0008
10	Screw, 1/4-20 x 1-1/8 knurled socket hd. (w/lockpatch)	4814A	—
11	Washer, 11/32 x 11/16 x 1/16	6016	—
12	Ball,Check Valve,.375",Stainless Steel (3)	8866, 8873	50-8091
13	Bearing,Needle,Transmission Countershaft,1984-'99 bt Left Hand,1991-2003 xl	8977	56-3031
14	Bearing, Ball, Transmission Mainshaft, 10 Balls,45mm x 85mm x 19mm <i>See chart for high torque bearing option</i>	8996A	56-1280
15	Bearing,Ball,Transmission Countershaft,Left Hand,20mm x 47mm x 14mm,1991-'06 bt, 1991-'03 xl (2)	8992A, 8998	56-3026
16	Retaining Ring, Internal, HO-212	10998	—
17	O-Ring, Filler Plug	11132	560-0194
18	Retaining Ring,Internal,3.734" x .109",Carbon Steel,SAE 1060-1090	11161, 11599	50-8051
19	O-ring,Quad Seal,(-031),1.734" X 1.875",Black,Nitrile	11165	50-8045
20	O-ring, clutch cable	11179	—
21	O-ring	11290	560-0195
22	Stud,3/8-24 UNF, 7/16-14 ONF x 1.30,Zinc (5)	11733A	50-8084
23	Seal,Transmission Output Shaft,2.255" x 3.388" x .250,1994-'99 bt, 1995-'03 xl	12067B	56-3033
24	Inner Ramp	25452-87A	—
25	Outer Ramp	25453-87A	—
26	Transmission (Chrome & Black)	33006-98	—
	Transmission (Chrome & Black)	33007-98	—
27	Guide,Shifter Shaft,5 Speed Rigid Mount,1986-'99 bt	33114-79	56-1067
28	Spacer, Sprocket	33344-94	560-0196
29	Switch, Neutral Indicator, With O-Ring	33902-95	—
30	Cover, Transmission Top, S&S 6 Speed, Chrome, Cast, 1991-'99 Softail, 1991-2000 FLT	34468-86A, 34464-86A, 34468-98A	—
31	Transmission Case,Assembly,5 Speed,w/ Bearings & Seals,Wrinkle Black,1989-'99 bt	34732-89A, 34732-96	56-1047
32	Gasket,Top Cover,Transmission,6 Speed,1991-2006 Softail, FLT	34904-86D	56-5107-S
33	Retaining Ring,Internal,2.054" x .062",Carbon Steel,SAE 1060-1090	34920-86	—
34	Retaining Ring, bearing (2)	35021-89	50-8053
35	Trap Door,Transmission,5 Speed Rigid Mount,Machined & Natural,Billet,1986-'99 bt	35258-87C	56-1025
36	Spacer (2)	35076-79	—
37	Nut,Jam,HH,3/4-16 UNF-2B,Steel/Nylon	35078-79	56-1278-S
38	Gasket,Trap Door,Transmission,5 Speed	35652-79B, 35653-98A	56-1026
39	Gasket,Side Cover,Transmission,6 Speed <i>each</i>	35652-76B 35652-76B	56-5111-S
40	Dipstick,Oil,	37071-87, 37075-87	—
41	Clutch Release Cover (chrome) <i>See chart #53 for complete Transmission Side Cover assembly</i>	37105-87A	—
42	Vent Hose	42533-91	—
43	Fitting, Upper Cover	62375-57	560-0205
44	Sensor, Speedometer	74437-96	—
45	O-ring	11140	—
46	Secondary Lock, Three-Way Receptacle	72143-94	—
47	Receptacle, 3-Way Pin	72163-94BK	—
48	Terminal, Pin (3)	72190-94	—
49	Attachement Clip	72199-94	—
50	Trap Door,Kit,Transmission,5 Speed,Natural,Billet,1986-'99 bt <i>See chart for compatible Trap Door Kit</i>		—
51	Screw,Shift Lever Adjust,5 Speed,Black,bt	33119-79B	56-1002
52	Nut,HH,7/16-14 UNC-3B x .260",Zinc,Steel <i>each</i>		50-5044

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#	Description	VVT Part No.
14	Bearing, Kit, High Torque, Baker™, 1994-'06 bt	560-0207
50	Trap Door, Kit, Transmission, 5 Speed, Natural, Billet, 1986-'99 bt	56-1027
53	Cover, Transmission Side, Hydraulic Clutch, Chrome	106-3885
	Cover, Transmission Side, Mechanical Clutch, Chrome	106-4035
54	BakerTrans Rebuild Kit 94-06 ST/FXR/FLT/FLH includes, all bearing, gaskets, seals, thrust washers	560-0168
	54 Baker Mster Rebuild Kit Twin Cam 5 speed 94-06 ST/FXR/FLT/FLH includes all gaskets, bearings, thrust washers, seals, shift forks, hd throwout bearing, shift drum, shifter pawl.	560-0167
	BakerTrans Rebuild Kit 87-93 ST/FXR/FLT/FLH includes, all bearing, gaskets, seals, thrust washers	560-0170
	54 Baker Master Rebuild Kit Twin Cam 5 speed 87-93 ST/FXR/FLT/FLH includes all gaskets, bearings, thrust washers, seals, shift forks, hd throwout bearing, shift drum, shifter pawl.	560-0169

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TRANSMISSION GEARS SERVICE PARTS FOR HARLEY-DAVIDSON EVOLUTION MODELS

Parts for
Twin Cam 96™/103™
2007-2015

Parts for
Twin Cam 88®
1999-2006

Parts for
Evolution®
1984-1999

Parts for
Sportster®
1986-2015

Parts for
Sportster®
1955-1985

Parts for
Shovelheads

Parts for
Panheads

Parts for
Knuckleheads

Parts for
Flatheads

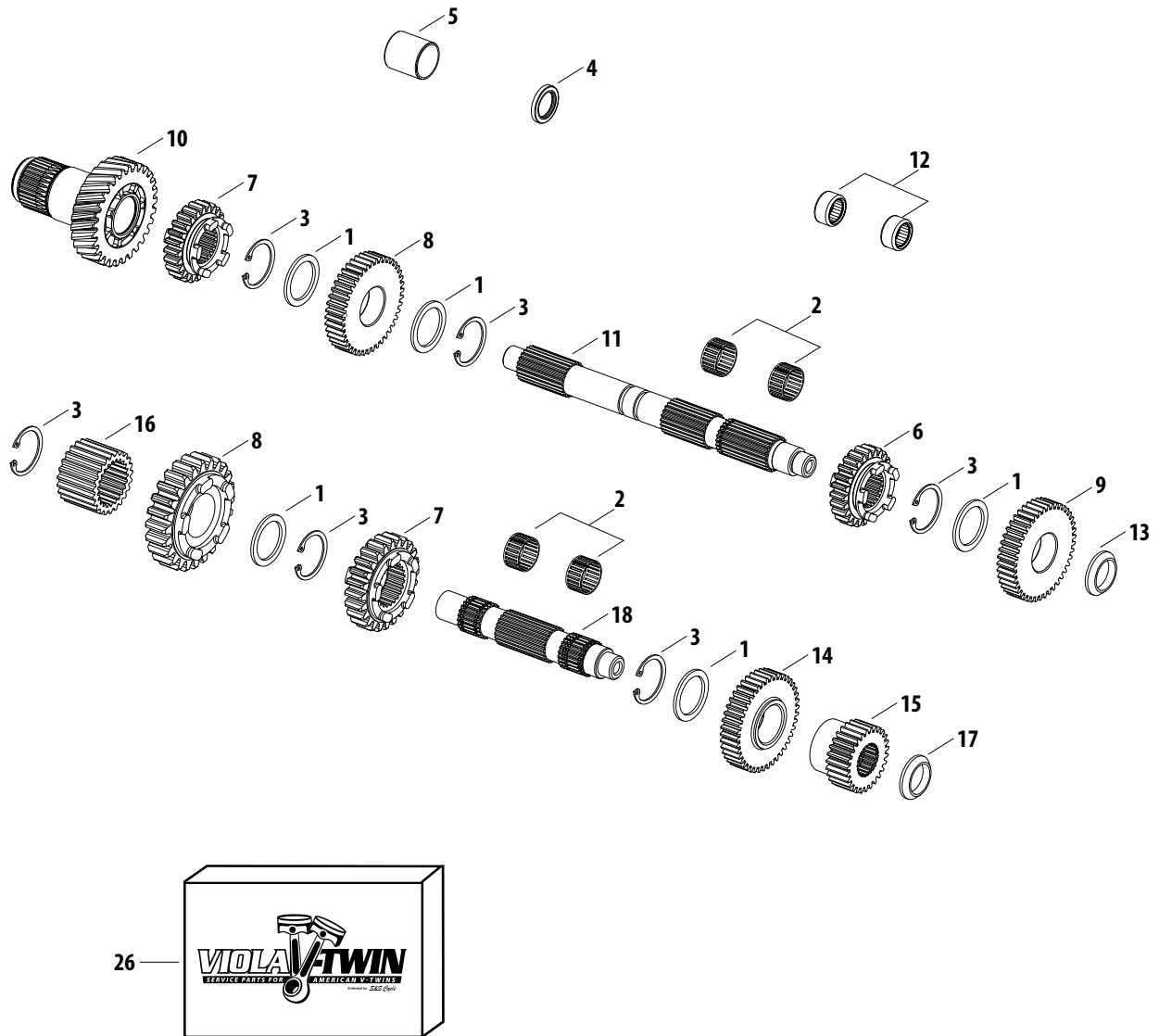
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#	Description	H-D Part No.	VVT Part No.
1	Thrust Washer (5)	6003	560-0211
2	Locknut	7848W	—
3	Bearing (4)	8876A	560-0236
4	Retaining Ring (6)	11067	560-0212
5	Retaining Ring 97	11096	—
6	Oil Seal, Mainshaft Fifth Gear, 1994-'06 bt	12035A	—
7	Bearing, Inner Race , 1994-'06 bt	34091-85, 34091-85A	560-0206
8	First Gear, Mainshaft , 1994-'06 bt	35025-79B	560-0218
9	Gear, Mainshaft 2nd & Countershaft 3Rd, 1994-'06 bt (2)	35026-94	560-0219
10	Gear, Mainshaft 3Rd & Countershaft 2Nd, 1994-'06 bt (2)	35027-94	560-0214
11	Fourth Gear, Mainshaft , 1994-'06 bt	35028-94	560-0220
12	Fifth Gear, Mainshaft , 1994-'06 bt	35029-94	560-0221
13	Mainshaft, 1994-'06 bt	35042-91	560-0222
14	Needle Bearing, 1994-'06 bt (2)	35051-89	560-0215
15	Spacer, Mainshaft , 1994-'06 bt	35064-79	560-0223
16	First Gear, Countershaft , 1994-'06 bt	35622-79C	560-0225
17	Fourth Gear, Countershaft , 1994-'06 bt	35625-94	560-0216
18	Fifth Gear, Countershaft, 1994-'06 bt	35626-94	560-0226
19	Spacer, 1994-'06 bt	35629-79	560-0227
20	Countershaft , 1994-'06 bt	35632-79	560-0228
21	Push Rod End , 1994-'06 bt	37069-90A, 37069-90	560-0229
22	Push Rod, Clutch Release (Through Mainshaft), 1994-'06 bt	37088-90	560-0230
23	End, Clutch Push Rod - Left Side, 1994-'06 bt	37090-84A	—
24	Bearing, 1994-'06 bt	37312-75	560-0231
25	Thrust Washer, 1994-'06 bt (2)	37313-80	560-0181

NOT DIRECT SERVICE PARTS (SOLD AS ASSEMBLIES) *Note: These products are compatible services as assemblies.*

#	Description	VVT Part No.
26	Main Drive Gear Assembly. 94-06bt incl 1x 12035B, 2x HK 2520, 1x 11599-90, and 1x 61005M	560-0237
	Baker Transmission Rebuild Kit 94-06 ST/FXR/FLT/FLH includes, all bearing, gaskets, seals, thrust washers	560-0168
	Baker Master Rebuild Kit Big Twin 5 speed 94-06 ST/FXR/FLT/FLH includes all gaskets, bearings, thrust washers, seals, shift forks, heavy duty throwout bearing, shift drum, shifter pawl.	560-0167
	BakerTrans Rebuild Kit 87-93 ST/FXR/FLT/FLH includes, all bearing, gaskets, seals, thrust washers	560-0170
	Baker Master Rebuild Kit Big Twin 5 speed 87-93 ST/FXR/FLT/FLH includes all gaskets, bearings, thrust washers, seals, shift forks, heavy duty throwout bearing, shift drum, shifter pawl.	560-0169

Harley-Davidson® Evolution® Models



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CLUTCH FOR HARLEY-DAVIDSON EVOLUTION MODELS

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Flatheads

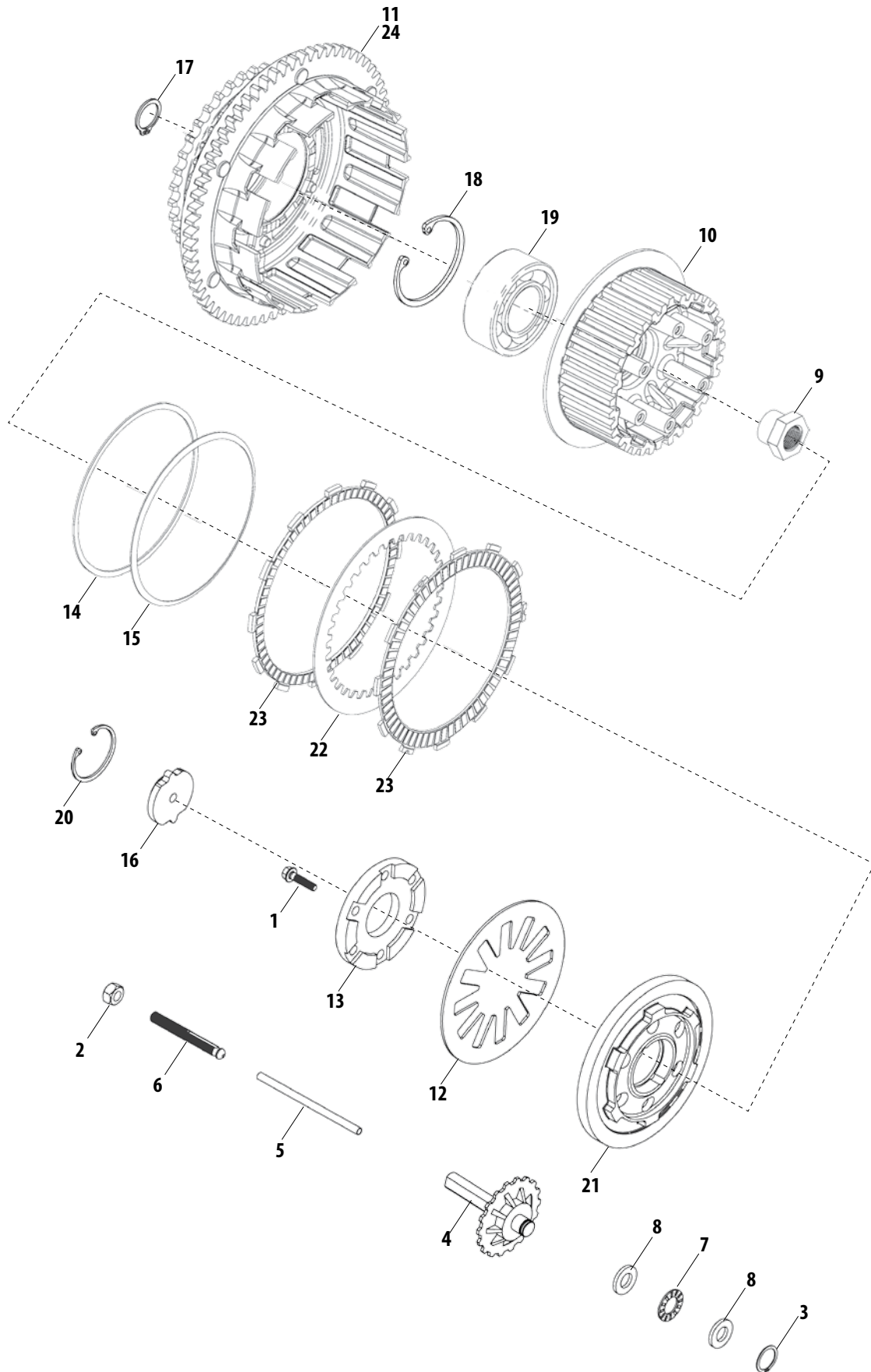
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#	Description	H-D Part No.	VVT Part No.
1	Screw (6)	2980	—
2	Locknut	7848W	—
3	Retaining Ring	11096	—
4	Pushrod End	37069-90A, 37069-90	560-0229
5	Pushrod, Clutch Release	37088-90	560-0230
6	End, Pushrod - Left	37090-98	—
7	Bearing, Pushrod <i>See chart for heavy duty throwout bearing kit</i>	37312-75	560-0231
8	Thrust Washer (2)	37313-80	560-0181
9	Nut, Mainshaft	37496-90	—
10	Clutch Hub	37550-98	—
11	Clutch Shell & Sprocket with Ring Gear, 37905-90 & 37906-90 <i>See Chart For Complete Clutch Kit Options</i>	37707-98	—
12	Spring, Diaphragm	37871-84	560-0137
13	Retainer, Diaphragm Spring	37872-98	—
14	Seat, Damper Spring	37883-98	—
15	Damper Spring	37884-98	—
16	Release Plate	37903-90	—
17	Retaining Ring, Internal	37904-90	—
18	Retaining Ring, Internal	37905-90	—
19	Bearing, Ball - Double Row	37906-90	—
20	Retaining Ring, Internal	37909-90	—
21	Pressure Plate	37912-98	—
22	Steel Plate (8)	37913-98	560-0129
	Steel Plate (8), 1984-'89	37975-84A	560-0125
23	Friction Plate Kit, Includes All Nine Friction Plates	37932-98, 37911-98, 37885-98	560-0128
	Friction plate Kit, (9) 1984-'89	37930-84, 37931-84	560-0124

NOT DIRECT SERVICE PARTS (SOLD AS ASSEMBLIES) *Note: These products are compatible services as assemblies.*

#	Description	VVT Part No.
7	Baker Heavy Duty Throwout bearing kit Includes side cover gasket, ball and ramp Assembly, bearing, spacers and clip.	560-0165
	Clutch,Kit,36 Tooth Sprocket,Mechanical Actuation,S&S High Performance Clutch,Updated Design,1991-2006 bt, Except '06 Dyna	56-5150A
	Clutch,Kit,37 Tooth Sprocket,Mechanical Actuation,S&S High Performance Clutch,Updated Design,1991-2006 bt, Except Dyna	56-5151A
	Clutch,Kit,36 Tooth Sprocket,Use w/ HD Hydraulic Actuator,S&S High Performance Clutch,Updated Design,1991-2006 bt, Except Dyna	56-5152A
	Clutch,Kit,37 Tooth Sprocket,Use w/ HD Hydraulic Actuator,S&S High Performance Clutch,Updated Design,1991-2006 bt, Except Dyna	56-5153A

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Note: VVT parts cross referenced to stock OEM parts are functionally identical, but may differ slightly in appearance. Line drawings are a typical representation and may not be an exact match. Please confirm the required stock part number for intended application before ordering. All reference to H-D® part numbers are for identification purposes only. We are in no way implying that any of the VVT products are original equipment parts or that they are equivalent to the corresponding H-D part number shown.



PRIMARY HOUSING FOR HARLEY-DAVIDSON EVOLUTION MODELS

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2007-2015

Parts for
Twin Cam 88"
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Parts for
Sportster®
1986-2015

Parts for
Sportster®
1955-1985

Parts for
Shovelheads

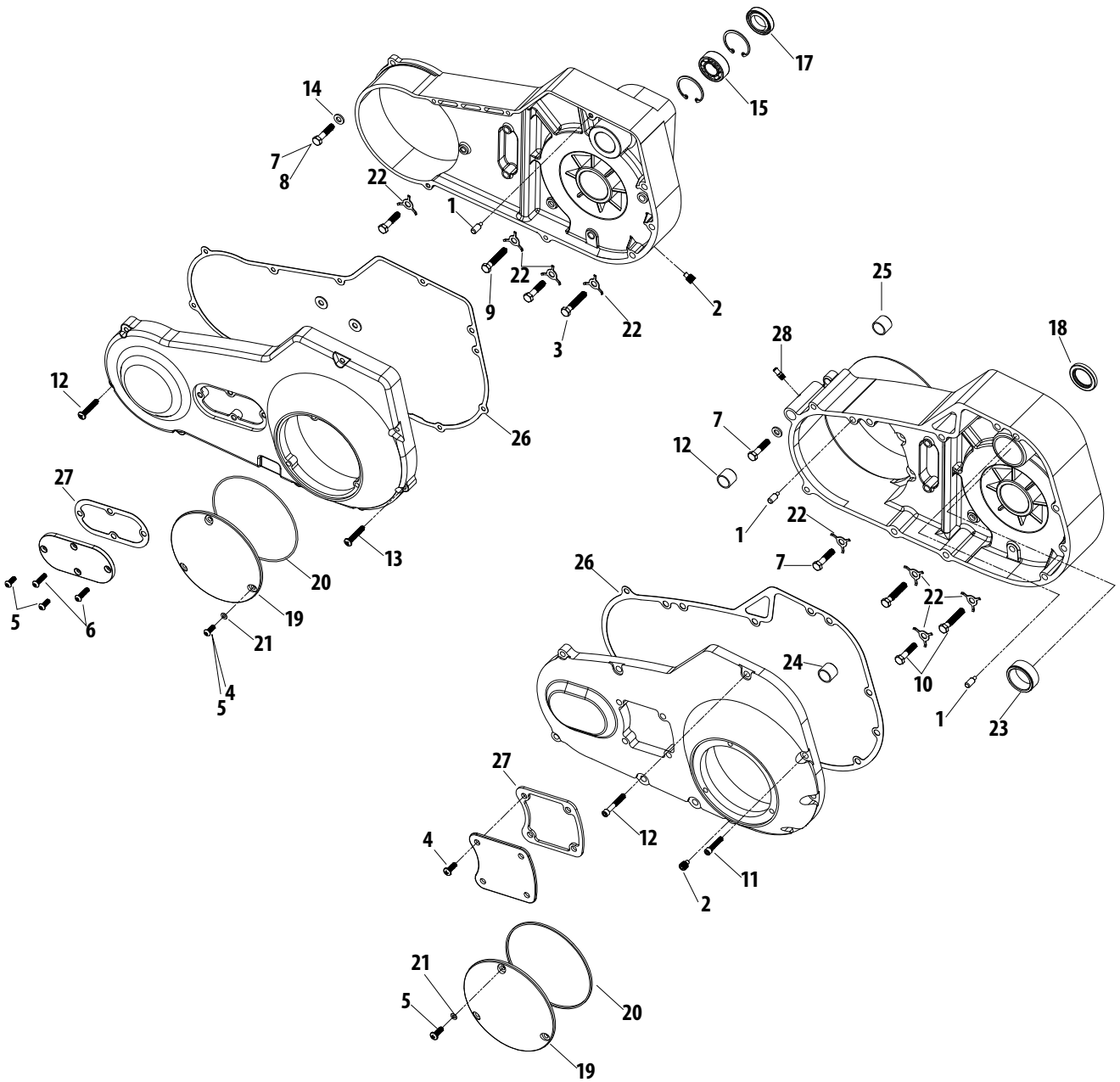
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Knuckleheads

Parts for
Flatheads

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Cross Reference

#	Description	H-D Part No.	VWT Part No.
1	Pin (2)	221	—
	Pin,Dowel,,308" x .700",Steel (2 - Dyna)	375	50-8029
2	Plug, Magnetic	739A	50-8334
3	Screw (2-Dyna; 4-Softail)	858	—
4	Screw (4-FLT; 3-Softail)	940	—
5	Screw (3-FLT; 2-Softail; 5-Dyna)	941	—
6	Screw (2)	945	—
7	Screw (4)	2818	—
	Bolt (4)	2932	—
8	W Bolt (4) --	2871	—
9	Bolt (4 - Softail & Dyna)	4068	—
10	Bolt (2 - FLT)	4086	—
11	Screw W Washer (5)	4718A	50-0079
12	Screw W Washer (5; 7 - Softail & Dyna)	4740A, 3482A	50-0008
13	Screw W Washer (5)	4820A	—
14	Washer (2)	6320, 70907-07, 6016, 6702	50-7034
15	Bearing	9135	—
16	O-Ring, Housing Cover	11147B, 11147A	560-0238
17	Oil Seal	12052	—
18	Oil Seal	12066	560-0081
19	Cover, Clutch	25414-70B	—
	Cover, Clutch (Chrome)	60668-84B	—
20	O-Ring, Clutch Cover	25416-84	—
	Gasket, Derby Cover, 3 Hole, (Replaces O-Ring), 1984-'98 bt, 5 Pack	60567-65B	560-0064
	Gasket, Derby Cover, 3 Hole, (Replaces O-Ring), 1984-'98 bt,		560-0075
21	Washer (Nylon) (3)	31433-84A	—
22	Locking Tab (5; 6 - Softail), 1987-Up, 10 pack	33318-85	560-0114
	Lock Tab Inner Primary 1980-'86 bt 10 Pack	7402	560-0113
23	Bushing	33446-94	—
—	Bushing (Not Shown)		—
25	Bushing (2)	33713-85	—
26	Gasket, Outer, Primary Cover, 1994-'06 FLT,FXR	34901-94A	560-0053
	Gasket, Outer, Primary Cover, 1994-'06 FLT,FXR, 5 Pack		560-0054
	Gasket, Outer, Primary Cover, 1989-'06 Softail,1989-'05 Dyna	60539-89, 60539-94B	560-0056
	Gasket, Outer, Primary Cover, 1989-'06 Softail, 1989-'05 Dyna, 5 Pack		560-0057
	Gasket, Outer, Primary Cover, 1965-'88 FXST, FX, FL 4 Spd	60538-81C	560-0091
	Gasket, Outer, Primary Cover, 1965-'88 FXST, FX, FL 4 Spd, 5 Pack	60538-81C	560-0058
	Gasket, Outer, Primary Cover, 1980-'93 FLT, FXR	34901-79A	560-0093
	Gasket, Outer, Primary Cover, 1980-'93 FLT, FXR, 5 Pack	34901-79A	560-0055
27	Gasket, Inspection Cover, 1985-'06 FXR, FLT, 5 Pack	34906-85A	560-0066
	Gasket, Inspection Cover, 1965-'06 Softail 4/5 Spd, 1989-'05 Dyna, 5 Pack	60567-65B	560-0073
28	Fitting, Lubrication	50972-75	—



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GEAR SHIFTER

FOR 1994-1999 HARLEY-DAVIDSON EVOLUTION MODELS

Parts for
Twin Cam 96™/103™
2007-2015

Parts for
Twin Cam 88®
1999-2006

Parts for
Evolution®
1984-1999

Parts for
Sportster®
1986-2015

Parts for
Sportster®
1955-1985

Parts for
Shovelheads

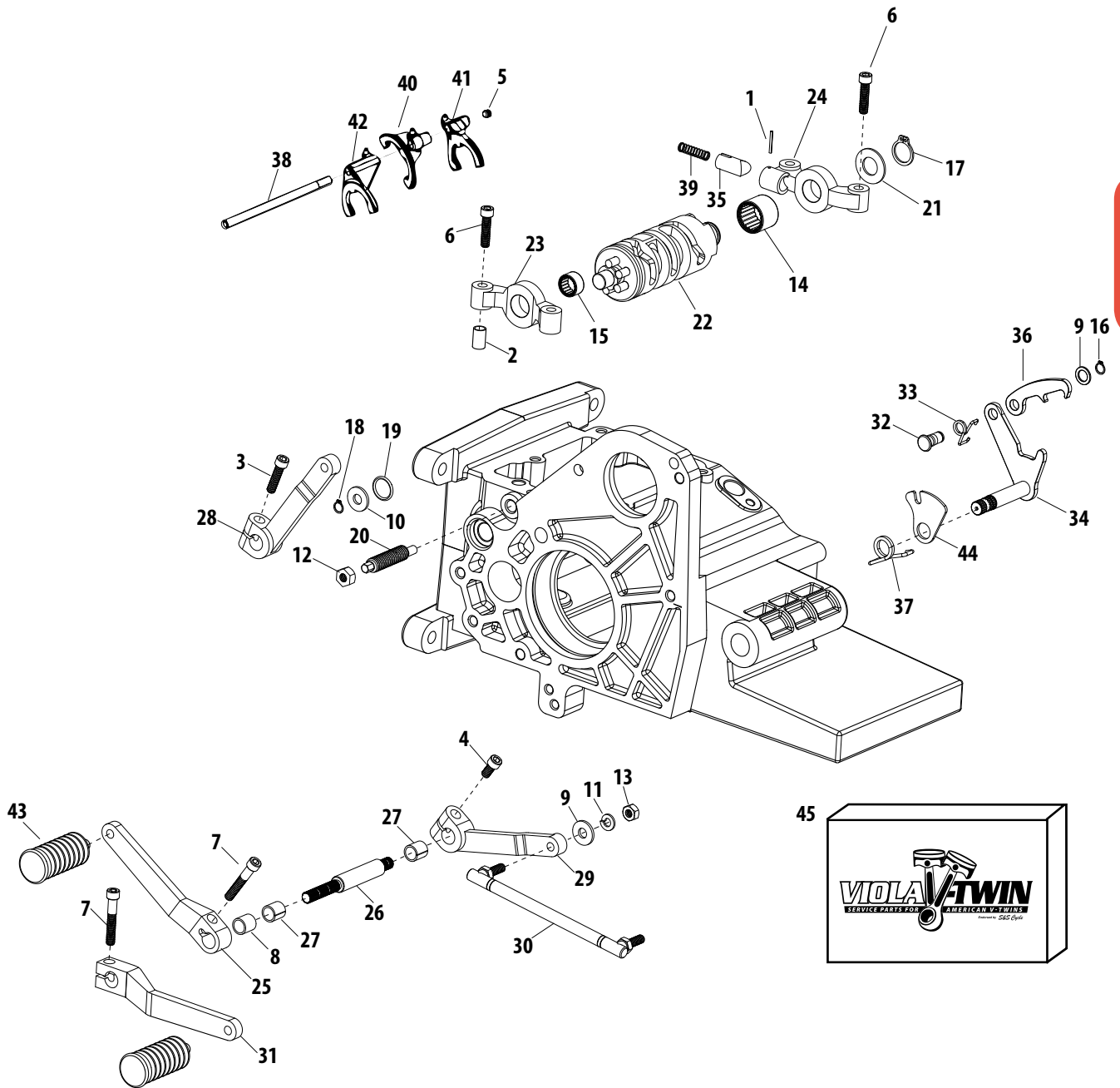
Parts for
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Parts for
Knuckleheads

Parts for
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Cross Reference

#	Description	H-D Part No.	VVT Part No.
1	Roll Pin	601	—
2	Pin,Roll,.392" x .320",Steel (4)	609	50-8173
3	Screw	856A	560-0182
4	Screw	3594	50-0071
5	Set Screw, Shift Fork Shaft - Left	3784	560-0183
6	Bolt (4)	3908	560-0184
7	Screw (2)	4069A	—
8	Spacer	5702	—
9	Washer,Flat,.344" x .688" x .065",Zinc,Steel (2)	6320, 70907-07, 6016, 6702	50-7034
10	Washer	6497HW	560-0185
11	Lockwasher	7041	—
12	Nut,HH,7/16-14 UNC-3B x .260",Zinc,Steel		50-5044
13	Nut	7744	—
14	Needle Bearing	9114	—
15	Needle Bearing	9115	—
16	Retaining Ring	11016	560-0186
17	Retaining Ring	11083	—
18	Retaining Ring	11150	560-0187
19	Seal	12045	56-1064
20	Screw,Shift Lever Adjust,5 Speed,Black,bt	33119-79B	56-1002
21	Thrust Washer, 0.017 Thick (As Required)	33205-80	—
	Thrust Washer, 0.020 Thick (As Required)	33206-80	—
	Thrust Washer, 0.022 Thick (As Required)	33207-80	—
	Thrust Washer, 0.025 Thick (As Required)	33208-80	—
	Thrust Washer, 0.028 Thick (As Required)	33209-80	—
	Thrust Washer, 0.031 Thick (As Required)	33210-80	—
	Thrust Washer, 0.035 Thick (As Required)	33211-80	—
	Thrust Washer, 0.039 Thick (As Required)	33212-80	—
22	Shifter Cam	33320-98	560-0188
23	Support, Shifter Cam - Left	33326-79A	—
24	Support, Shifter Cam - Right	33332-79	—
25	Shift Lever, Toe	33640-83	—
26	Shaft	33709-82	—
27	Bushing, Shifter Bracket (2) <i>See chart on next page for shift lever options</i>	33713-85A	—
28	Lever, Shifter Rod	33715-85A	560-0189
29	Lever	33718-82	—
30	Shifter Rod	33759-99	—
31	Shift Lever, Heel	33895-82	—
32	Pin, Shifter Shaft Lever	34082-79	—
33	Spring, Shifter Shaft Lever	34083-79	—
34	Lever Assembly, Shifter Shaft w/#33 & 34 <i>See chart on next page for shifter pawl options</i>	34084-86A	—
35	Cam Follower	34085-79A	—
36	Pawl, Shifter Cam	34086-79	—
37	Spring, Shifter Shaft	34087-79A	—
38	Shaft, Shifter Fork	34088-87	560-0190
39	Spring	34089-79	—
40	Shifter Fork <i>See chart next page for shifter fork options</i>	34191-79E	—
41	Shifter Fork <i>See chart next page for shifter fork options</i>	34193-79E	—
42	Shifter Fork <i>See chart next page for shifter fork options</i>	34195-79E	—
43	Peg, Shift Lever (2)	34611-65	—
44	Plate	35068-79	—



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1999-2006

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NOT DIRECT SERVICE PARTS (SOLD AS ASSEMBLIES) Note: These products are compatible services as assemblies.

#	Description	VVT Part No.
28	Lever, Kit, Shift, Truss Style, Baker™, 1984-'06 bt	560-0193
34	Shifter Pawl, Anti-Overshift, Baker™, 1980-2000 bt except '00 Softail incl 9,16,32,33,34,36	560-0192
40,41,42	Shift Fork, Kit, 5 Speed, Billet Steel, 1984-'06 bt	560-0191
45	BakerTrans Rebuild Kit 94-06 ST/FXR/FLT/FLH includes, all bearing, gaskets, seals, thrust washers	560-0168

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BELTS, CHAINS AND SPROCKETS FOR HARLEY-DAVIDSON EVOLUTION MODELS

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Parts for
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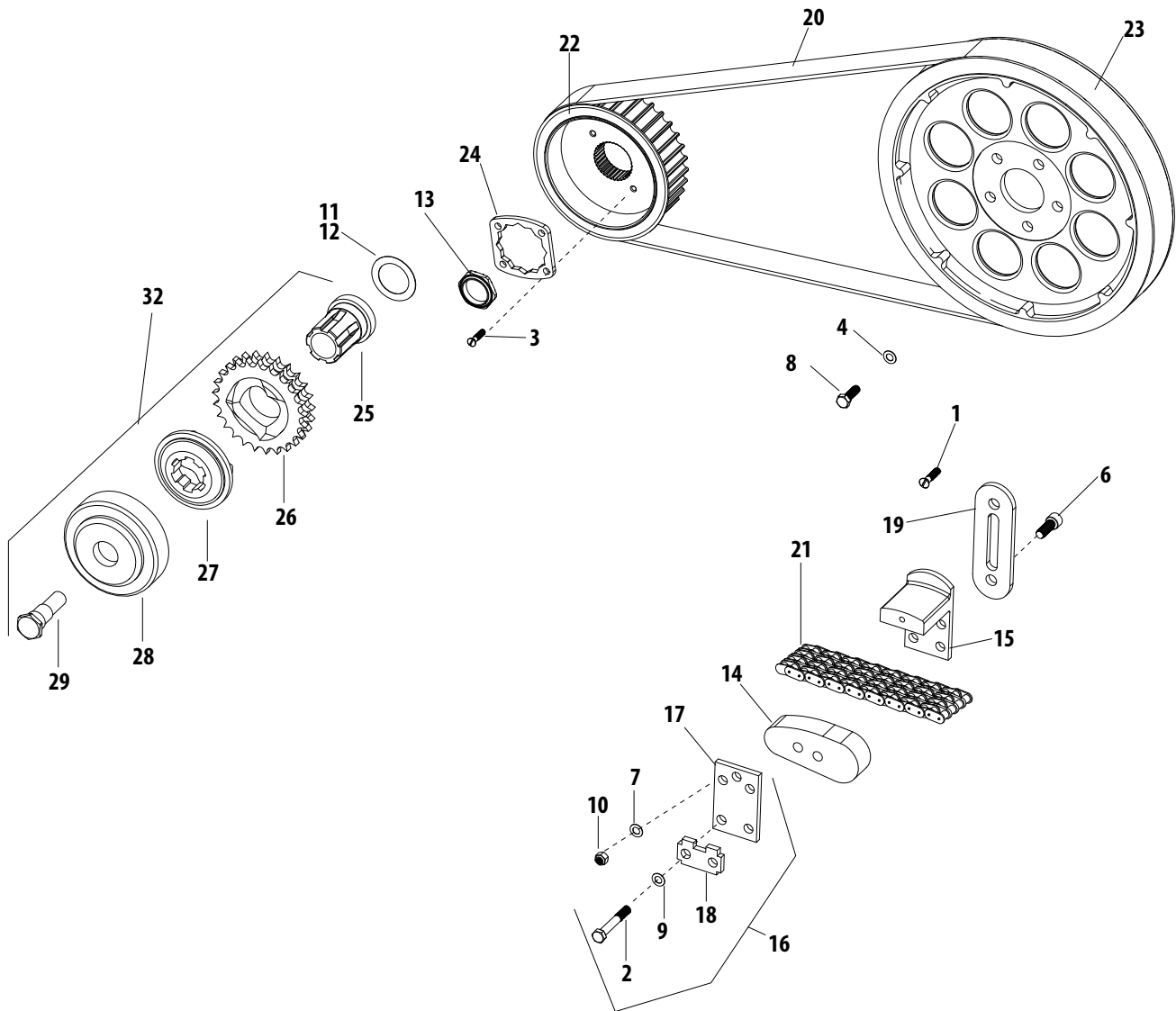
Parts for
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#	Description	H-D Part No.	VVT Part No.
1	Screw (2)	1783A	—
2	Bolt (2)	2614	—
3	Screw (2)	3594	50-0071
4	Bolt (5)	3899	—
6	Bolt	5444	—
7	Washer	6400HB	—
8	Washer (5)	6516HW	—
9	Washer (2)	6194, 6245, 6703, 6736, 6228W, 6192	50-7021
10	Nut	7778	—
11	Spacer, Sprocket Shaft - 0.020 Thick	35851-84	—
12	Spacer, Sprocket Shaft - 0.055 Thick	35853-96	—
	Spacer, Sprocket Shaft - 0.06 Thick	24032-70	—
	Spacer, Sprocket Shaft - 0.09 Thick	24033-70	—
	Spacer, Sprocket Shaft - 0.12 Thick	24034-70	—
	Spacer, Sprocket Shaft - 0.15 Thick	24035-70	—
	Spacer, Sprocket Shaft - 0.18 Thick	24036-70	—
	Spacer, Sprocket Shaft - 0.21 Thick	24037-70	—
	Spacer, Sprocket Shaft - 0.01 Thick	35850-84	—
	Spacer, Sprocket Shaft - 0.02 Thick	35851-84	—
	Spacer, Sprocket Shaft - 0.03 Thick	35852-84	—
13	Nut, Sprocket	35211-91A	560-0224
14	Pad, Chain Tensioner	39976-65B	560-0232
15	Chain Tensioner	39990-65	—
16	Chain Tensioner Mtg. Kit, W/#5, 6 & 8	39992-65C	—
17	Plate, Chain Tensioner	39993-65	—
18	Lockwasher, Chain Tensioner Plate	39996-65	—
19	Anchor Plate, Chain Tensioner	39998-65	—
20	Rear Belt - 139 T See Chart Below For Belt Options	40024-97	—
21	Primary Chain 94-06 FLH, FXR	40037-79A	560-0233
	Primary Chain, 1994-'06 Softail, Dyna™	40037-79A	560-0240
22	Sprocket, Transmission, 32 T	40250-94	560-0234
23	Sprocket, Rear, 70 T - (Black)	40217-00	—
24	Lockplate	40251-92A	560-0235
25	Shaft Extension	40266-85A	560-0143
26	Compensating Sprocket, 24 T	40269-85A	560-0142
	Compensating Sprocket, 25 T	40308-94	560-0141
27	Sliding Cam	40299-83A	—
28	Cover Assembly, W/Springs	40384-91	—
29	Nut	40392-91	560-0144
31	Compensating Sprocket, 25 T	40308-94	—

NOT DIRECT SERVICE PARTS (SOLD AS ASSEMBLIES) Note: These products are compatible services as assemblies.

#	Description	VVT Part No.
16	Tensioner, Chain, Primary, Adjuster, 1990-'06 bt	560-0145
32	Compensator, Assembly, Sprocket, Complete, 25T, 1994-2006 bt	560-0139
32	Compensator, Assembly, Sprocket, Complete, 24T, 1990-'93 Softail	560-0140



GATES CARBON FIBER X3N SECONDARY DRIVE BELTS (14MM PITCH)		
Teeth	1½" Wide	1½" Wide
125	106-0357	-
126	-	106-0348
127	-	106-0349
128	106-0358	106-0350
130	106-0359	106-0351
132	106-0360	106-0352
133	106-0361	106-0353
135	106-0362	106-0354
136	-	106-0355
139	106-0363	106-0356
149	106-1338	-
156	-	106-2827

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1999-2006

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1986-2013 HARLEY-DAVIDSON SPORTSTER MODELS

GASKET KITS

Parts for
Twin Cam 96"/103"
2007-2015

Parts for
Twin Cam 88"
1999-2006

Parts for
Evolution®
1984-1999

Parts for
Sportster®
1986-2015

#	Description	H-D Part No.	VVT Part No.
	Gasket Kit, Complete, 1986-'90 883 xl	17042-92A	310-0423
	Gasket Kit, Complete, 1991-'03 883 xl		310-0424
	Gasket Kit, Complete, 2004-'06 883 xl		310-0425
	Gasket Kit, Complete, 2007-up 883 xl		310-0426
	Gasket Kit, Complete, 1986-'87 1100 xl	17042-92A	310-0427
	Gasket Kit, Complete, 1988-'90 1200 xl	17026-86A	310-0428
	Gasket Kit, Complete, 1991-'03 1200 xl	17026-91A	310-0429
	Gasket Kit, Complete, 2004-'06 1200 xl	17027-04	310-0430
	Gasket Kit, Complete, 2007-up 1200 xl		310-0431
	Gasket Kit, Top End, 1986-'90 883 xl	17026-91A	900-0578
	Gasket Kit, Top End, 1991-'03 883 xl		900-0579
	Gasket Kit, Top End, 2004-'06 883 xl		900-0580
	Gasket Kit, Top End, 2007-up 883 xl		900-0581
	Gasket Kit, Top End, 1986-'87 1100 xl	17026-91A	900-0582
	Gasket Kit, Top End, 1988-'90 1200 xl		900-0583
	Gasket Kit, Top End, 1991-'03 1200 xl	17032-91	900-0584
	Gasket Kit, Top End, 2004-'06 1200 xl	17049-04	900-0585
	Gasket Kit, Top End, 2007-up 1200 xl		900-0586
	Gasket, Head, Stock bore 883, 040" MLS 2 pack	16664-86B	900-0587

LUBRICANTS

Parts for
Sportster®
1955-1985

#	Description	VVT Part No.
	S&S 20w50 Premium Synthetic Engine Oil	310-0285
	S&S 20w50 Heavy Duty Engine Oil	310-0287
	S&S Petroleum 25w60 Engine Oil	310-0289
	S&S 75w140 Premium Synthetic Transmission Oil	310-0292
	S&S 85w140 Heavy Duty Transmission Oil	310-0291
	S&S 85w Extreme Duty Primary Oil	310-0290

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Parts for
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#	Description	H-D Part No.	VVT Part No.
	1986-2013 xl, 1991-2002 Buell Oil Filter black <i>each</i>	63805-80A	31-4101
	1986-13 xl, 1991-2002 Buell Oil Filter black <i>12 pack</i>		310-0239
	1986-2013 xl, 1991-2002 Buell Oil Filter chrome <i>each</i>	63796-77A	31-4102
	1986-2013 xl, 1991-2002 Buell Oil Filter chrome <i>12 pack</i>		310-0240
	1953-'78 K and xl models with in tank oil filter	63799-65A, 63840-53, 63826-53	310-0284

CLUTCH

Parts for
Knuckleheads

Parts for
Flatheads

#	Description	H-D Part No.	VVT Part No.
	Plate, Set, Friction, 1990-'97 bt, 1991-up xl	37910-90, 37911-90	560-0126
	Plate, Set, Clutch Steels, 1990-'97 bt, 1991-up xl	37913-90	560-0127
	Plate, Set, Friction, 1957-'70 xl	37985-52A0	560-0130
	Plate, Set, Clutch Steels, 1957-'70 xl	37992-52	560-0131
	Plate, Set, Friction, 1971-'83 xl	37985-71	560-0132
	Plate, Set, Clutch Steels, 1971-'83 xl	37992-71	560-0133
	Plate, Set, Friction, 1984-'90 xl	36788-84	560-0134
	Plate, Set, Clutch Steels, 1984-'90 xl	36787-84	560-0135
	Plate, Spring Separator, 1998-up bt, 1991-up xl	37977-90, 37975-90	560-0136

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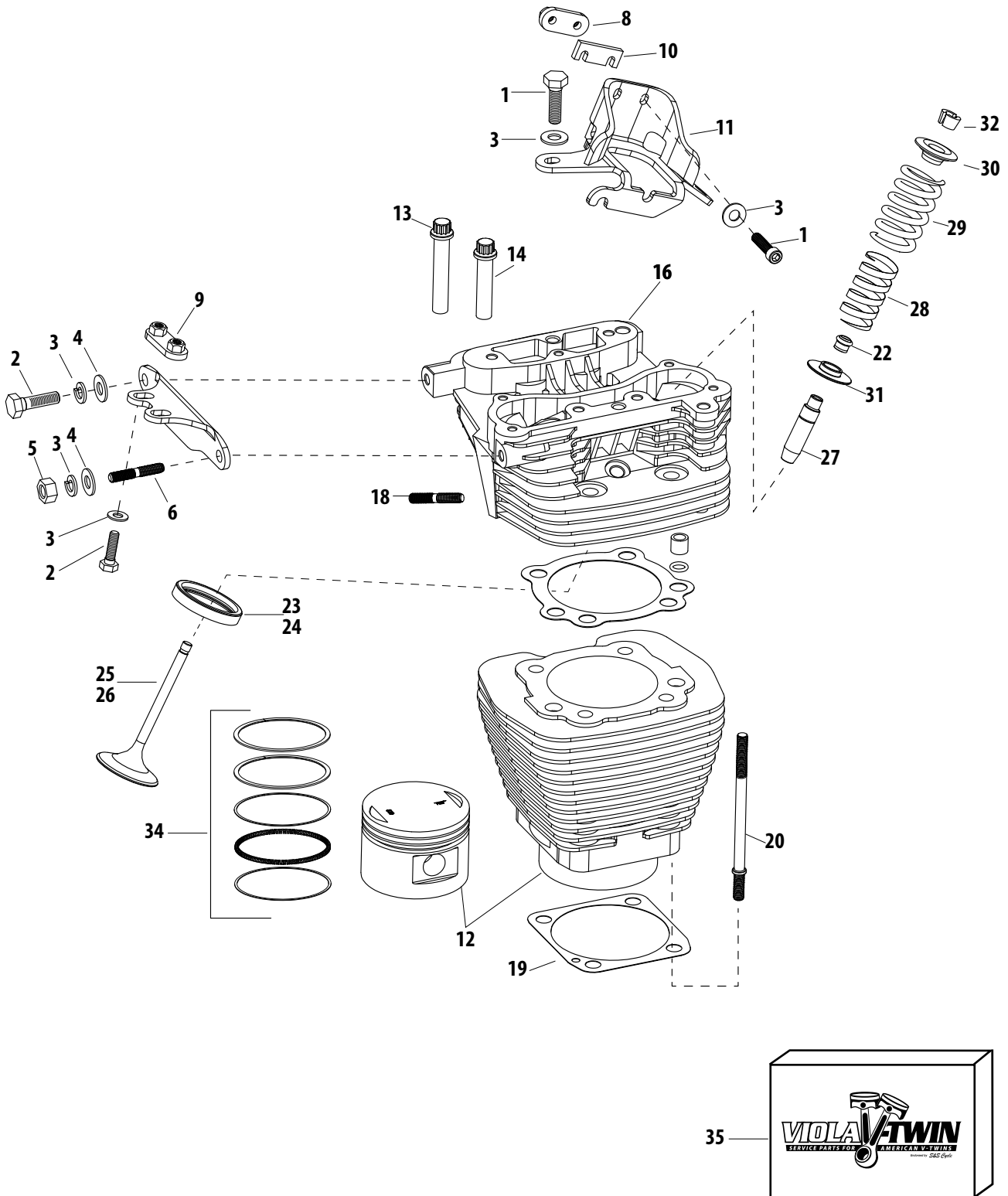
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#	Description	H-D Part No.	VVT Part No.
1	Screw, 3/8-16 x 1 7/32 truss head machine (grade 8 steel)	951A	—
2	Screw, HHC, 3/8-16 x 1-1/4", Zinc, Steel <i>each</i>	4716W	50-0168
	Screw, HHC, 3/8-16 x 1-1/4", Zinc, Steel <i>10 Pack</i>		106-3063
3	Washer, 3/8 x 13/16 x 1/16	6701	—
4	Washer, Lock, .385" x .680" x .094", Zinc, Steel	7038	50-7052
5	Nut, HH, 3/8-24 UNC-2B x .337", Zinc, Steel	7861	50-5037
6	Stud, Head Mount, 3/8-24, 3/8-16 ONF x 1.500", Zinc, Steel, 1986-2003 xl	11727A	90-1005
7	Mount, Front, Engine, Semi-Gloss Black, Steel, 1986-03 xl	16214-86, 16222-86	93-4056
8	Nut Plate	16226-94	—
9	Nut Plate	16228-86A	—
10	Shim, 0.030	16233-86	—
11	Bracket, Center Engine Mount <i>See chart for compatible Engine Mount Kit</i>	16278-95B	—
12	Cylinder Assembly with Piston (883cc) <i>See chart for Cylinder only options</i>	16446-86B	—
	Cylinder Assembly with Piston (1200cc) <i>See chart for Cylinder only options</i>	16447-88A	—
13	Head Bolt, 12 pt, 3/8-16, long <i>See chart for complete Head Bolt Kit</i>	16478-85A	—
14	Head Bolt, 12 pt, 3/8-16, short <i>See chart for complete Head Bolt Kit</i>	16480-92	—
15	Pin, Dowel, .557" x .500", Black, Steel <i>each</i>	16574-99A, 16573-83,	50-8023
	Pin, Dowel, .557" x .500", Black, Steel <i>10 Pack</i>	16573-83A	50-8109
16	Head, Rear Cylinder, w/Valve Guides & Seats	16660-92A	—
	Head, Front Cylinder, w/Valve Guides & Seats	16661-92A	—
	Head, Front Cylinder, w/Valve Guides & Seats	16688-92	—
	Head, Rear Cylinder, w/Valve Guides & Seats	16698-92	—
	Head, Front Cylinder, w/Valve Guides & Seats	16630-98	—
	Head, Rear Cylinder, w/Valve Guides & Seats	16633-98	—
17	Gasket, Head, Stock Bore 883, .040 MLS <i>2 pack</i>	16664-86B	900-0587
	Gasket, Head, .0625", 3-1/2", Graphite, (1200cc) 1986-2012 xl <i>each</i>	16770-84D, 16770-84F,	93-1313-S
	Gasket, Head, .0625", 3-1/2", Graphite, (1200cc) 1986-2012 xl <i>10 Pack</i>	10773-85	93-1051
	Gasket, Head, .045", 3-1/2", Graphite, (1200cc) 1986-2012 xl <i>each</i>	16770-84D, 16770-84F	93-1011-S
	Gasket, Head, .045", 3-1/2", Graphite, (1200cc) 1986-2012 xl <i>10 Pack</i>		93-1024
18	Stud, Exhaust Port, 5/16-18, 5/16-24 x 1.910", Zinc, Steel <i>each</i>	16715-83	50-0493
	Stud, Exhaust Port, 5/16-18, 5/16-24 x 1.910", Zinc, Steel <i>5 Pack</i>		50-1028
19	Gasket, Base, .018", 3-1/2", Graphite, (883cc) 1986-2012 xl	16777-83A, 16774-86D	93-1038-S
20	Stud, Cylinder Base, 3/8-16 UNC x 5.760", 1986-2012 xl <i>each</i>	16832-86C	31-2331-S
	Stud, Cylinder Base, 3/8-16 UNC x 5.760", 1986-2012 xl <i>8 Pack</i>		31-2331
—	Gasket Kit, Engine Overhaul (Not Shown)	17026-918	—
	Gasket Kit, Top Overhaul (Not Shown)	17032-91	—
	Gasket Kit, Rocker Covers (Not Shown)	17036-91	—
22	Seal, Valve Guide, 1986-2003 xl <i>each</i>	18001-83B	90-2008
	Seal, Valve Guide, 1986-2003 xl <i>8 Pack</i>		90-2158
23	Insert, Exhaust Valve Seat 1200	18011-87	—
	Insert, Exhaust Valve Seat 883	18012-87	—
24	Insert, Intake Valve Seat 1200	18020-87	—
	Insert, Intake Valve Seat 883	18021-87	—
25	Valve, Exhaust, 883cc, 1986-'03 xl	18030-86	900-0755
	Valve, Intake, 883cc, 1986-'03 xl	18031-86	900-0754
	Valve, Exhaust, 1100cc, 1986-'87 xl	18024-86	900-0757
	Valve, Intake, 1100cc, 1986-'87 xl	18023-86	900-0756
26	Valve, Exhaust, 1200cc, 2004-'14 xl	18691-02	900-0761
	Valve, Intake, 1200cc, 2004-'14 xl	18690-02	900-0760
	Valve, Exhaust, 1200cc, 1988-'03 xl	18024-87	900-0759
	Valve, Intake, 1200cc, 1988-'03 xl	18023-87	900-0758
27	Valve Guide, Intake/Exhaust, Standard, Cast Iron, 1986-2003 xl	18112-92	90-2210
	Valve Guide, Intake/Exhaust, +.001", Cast Iron, 1986-2003 xl	18130-83C	90-2211
	Valve Guide, Intake/Exhaust, +.002", Cast Iron, 1986-2003 xl	18133-83A, 18133-83D	90-2212
	Valve Guide, Intake/Exhaust, +.003", Cast Iron, 1986-2003 xl	18131-83C	90-2213
28	Valve Spring, Outer <i>See chart for complete Valve Spring Kit</i>	18201-83	—
29	Valve Spring, Inner <i>See chart for complete Valve Spring Kit</i>	18202-83	—
30	Collar, Valve Spring - Upper	18219-83	—
31	Collar, Valve Spring - Lower	18222-83A	—
32	Valve Keeper, Standard, 1986-03 xl <i>each</i>	18229-83	90-2094-S
	Valve Keeper, Standard, 1986-03 xl <i>8 pack</i>		50-7166
33	O-ring, Oil Return, (-015), .562" ID x .068" OD, Black, Viton, 1986-12 xl <i>each</i>	26432-76A	50-8034-S
	O-ring, Oil Return, (-015), .562" ID x .068" OD, Black, Viton, 1986-12 xl <i>2 Pack</i>		50-8034

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#	Description	H-D Part No.	VVT Part No.
34	Ring, Set, Piston, 3-1/2", Standard, Moly Faced, .0625, .0625, .1525, 1984-'99 bt, 1986-2003 xl		94-2216K
	Ring, Set, Piston, 3-1/2", +.005", Moly Faced, .0625, .0625, .1525, 1986-2003 xl	21921-83	—
	Ring, Set, Piston, 3-1/2", +.010", Moly Faced, .0625, .0625, .1525, 1986-2003 xl		94-2217X
	Ring, Set, Piston, 3-1/2", +.020", Moly Faced, .0625, .0625, .1525, 1986-2003 xl		94-2218X
	Ring, Set, Piston, 3-1/2", +.020", Moly Faced, .0625, .0625, .1525, 1986-2003 xl	21924-83	94-2219X
	Ring, Set, Piston, 3", Standard, 883, 1986-2003 xl	22266-86	—
	Ring, Set, Piston, 3", .010", 883, 1986-2003 xl	22261-86	—
	Ring, Set, Piston, 3", .020", 883, 1986-2003 xl	22262-86	—
	Ring, Set, Piston, 3", .030", 883, 1986-2003 xl	22263-86	—
	Ring, Set, Piston, 3", .005", 883, 1986-2003 xl	22271-86	—
35	Gasket Kit, Complete, 1986-'90 883 xl	17042-92A	310-0423
	Gasket Kit, Complete, 1991-'03 883 xl		310-0423
	Gasket Kit, Complete, 2004-'06 883 xl		310-0425
	Gasket Kit, Complete, 2007-up 883 xl		310-0426
	Gasket Kit, Complete, 1986-'87 1100 xl	17042-92A	310-0427
	Gasket Kit, Complete, 1988-'90 1200 xl	17026-86A	310-0428
	Gasket Kit, Complete, 1991-'03 1200 xl	17026-91A	310-0429
	Gasket Kit, Complete, 2004-'06 1200xl	17027-04	310-0430
	Gasket Kit, Complete, 2007-up 1200 xl		310-0431
	Gasket Kit, Top End, 1986-'90 883 xl		900-0578
	Gasket Kit, Top Ende, 1991-'03 883 xl	17026-91A	900-0579
	Gasket Kit, Top End, 2004-'06 883 xl		900-0580
	Gasket Kit, Top End, 2007-up 883 xl		900-0581
	Gasket Kit, Top End, 1986-'87 1100 xl		900-0582
	Gasket Kit, Top End, 1988-'90 1200 xl	17026-91A	900-0583
Gasket Kit, Top End, 1991-'03 1200 xl	17032-91	900-0584	
Gasket Kit, Top End, 2004-'06 1200 xl	17049-04	900-0585	
Gasket Kit, Top End, 2007-up 1200 xl		900-0586	

NOT DIRECT SERVICE PARTS (SOLD AS ASSEMBLIES) Note: These products are compatible services as assemblies.

#	Description	VVT Part No.
11	Mount, Top, Engine, 2-Piece, Semi-Gloss Black, Steel, 1986-up xl	93-4055
12	Cylinder, Set, 3-1/2" Bore, 4.650", Natural, 1986-2003 xl	91-3010
	Cylinder, Front, 3-1/2" Bore, 4.650", Natural, 1986-2003 xl	91-3010F
	Cylinder, Rear, 3-1/2" Bore, 4.650", Natural, 1986-2003 xl	91-3010R
	Cylinder, Set, 3-1/2" Bore, 4.650", WBlack, 1986-2003 xl	91-3904
	Cylinder, Front, 3-1/2" Bore, 4.650", WBlack, 1986-2003 xl	91-3904F
	Cylinder, Rear, 3-1/2" Bore, 4.650", WBlack, 1986-2003 xl	91-3904R
13, 14	Head Bolt, Kit, 12 pt, 1986-2012 xl	93-3010
28, 29	Spring Kit, Valve, 585", 2004-Up xl	900-0596

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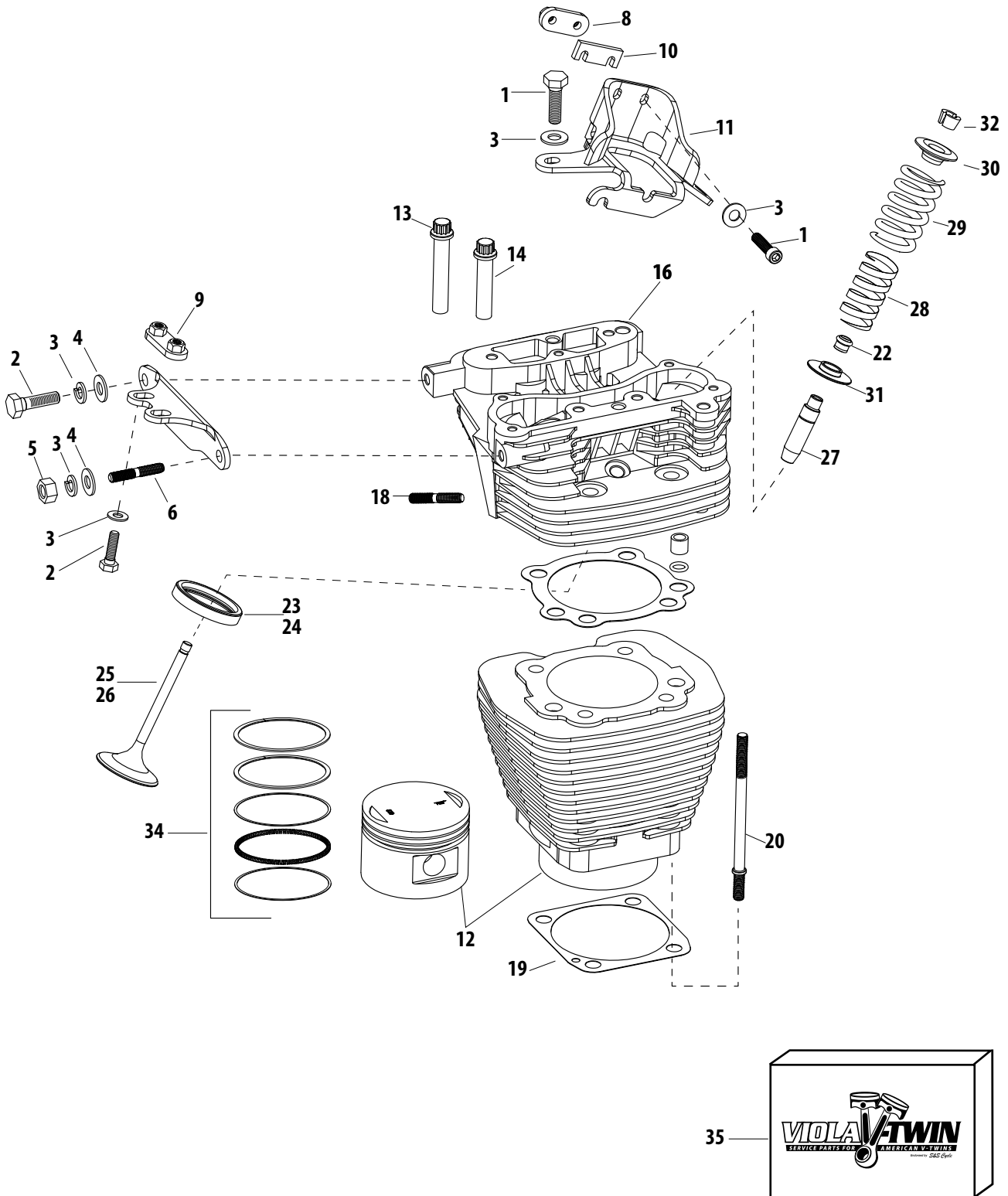
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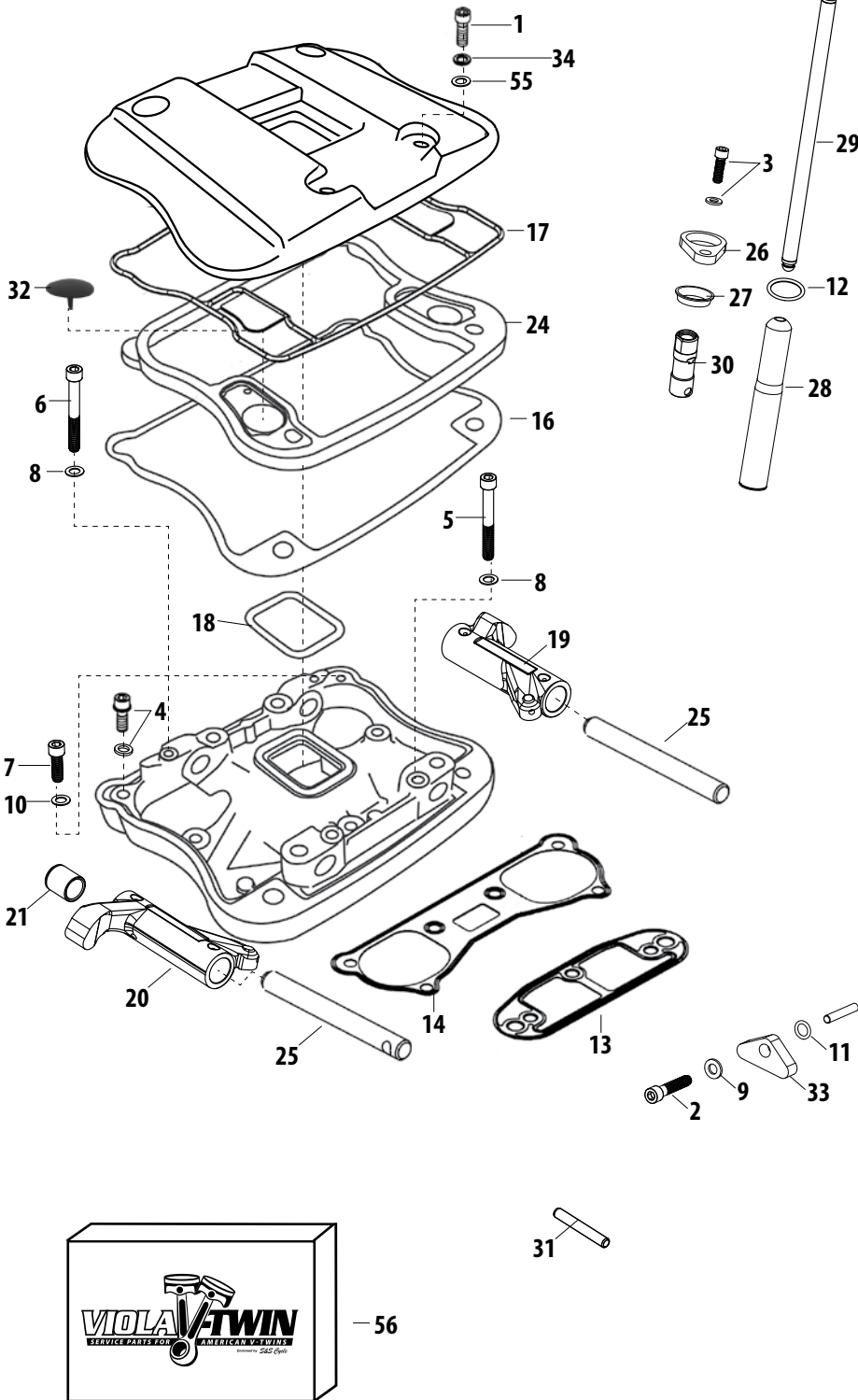
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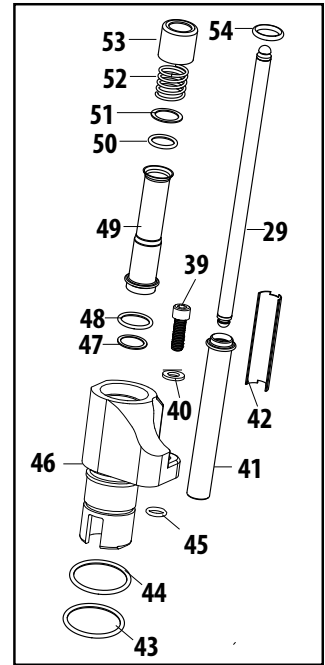
#	Description	H-D Part No.	VVT Part No.
1	Screw, 1/4-20 x 7/8 Knurled Socket Hd. (Grade 8) <i>See chart for compatible screw</i>	882	—
2	Screw, 1/4-20 x 7/8 Knurled Socket Hd.	884A	—
3	Screw, HHC, 5/16-18 x 3/4", Zinc	3228	—
4	Screw, SHCS, 1/4-20 x 1-1/2", Zinc	4718A	50-0079
5	Bolt, 5/16-18 x 2-3/4 hex. hd.(Grade 8 steel)	3500A	—
6	Screw, HHC, Gr8, 5/16-18 x 2-1/2", Zinc, Steel <i>each</i>	3501A	50-0104
7	Bolt, 1/4-20 x 1-1/4 hex. hd. (grade 8)	3997A	—
8	Washer, Flat, .344" x .688" x .065", Zinc, Steel	6320, 70907-07, 6016, 6702	50-7034
9	Washer, .25 x .4375 x .062", Zinc, Steel	6099	—
10	Washer, Flat, .281" x .625" x .080", Zinc, Steel <i>each</i>	6194, 6245, 6703, 6736, 6228W, 6192	50-7021
11	O-ring	11176	—
12	O-ring, Top, PR Cover, (-209), .687" ID, for 2004-2012 xl models <i>each</i>	11190, 11157, 11293	50-8039
13	Gasket, Bottom Right, Rocker Cover, .018", Graphite, 1986-2003 xl <i>each</i>	16778-84A, 16800-84A	—
14	Gasket, Bottom Left, Rocker Cover, .018", Graphite, 1986-2003 xl <i>each</i>	16779-84D	—
15	Gasket Kit, Rocker Covers, w/#13, 14, 16, 17, 18, 32 & 34	17036-91	—
16	Gasket, Rocker Cover - Lower	17353-89	—
17	Gasket, Top, Rocker Cover, Cork, 1991-2003 xl	17354-89	—
18	Gasket, Middle Inner, Rocker Cover, Rubber 1986-2012 xl	17358-84A	90-4042
19	Rocker Arm, Assembly, RE/Fl, Non-Roller, 1.625:1 Ratio, 1986-2012 xl <i>Also available as a complete Rocker Arm Set, see chart</i>	17360-83A	900-4119RA
20	Rocker Arm, Assembly, FE/RI, Non-Roller, 1.625:1 Ratio, 1986-2012 xl <i>Also available as a complete Rocker Arm Set, see chart</i>	17375-83A	900-4119FA
21	Bushing, Rocker Arm	17429-91, 17428-57	900-0784
22	Rocker Cover, Outer	17501-86B	—
	Rocker Cover, Outer	17551-96	—
	Rocker Cover, Outer, Silver	17527-98	—
23	Rocker Cover, Inner	17532-86B	—
	Rocker Cover, Inner	17537-96	—
	Rocker Cover, Inner, Silver	17614-98	—
24	Spacer, Rocker Cover	17533-90A	—
	Spacer, Rocker Cover	17538-96	—
25	Shaft, Rocker Arm, 1986-2012 xl <i>each</i>		90-4006
	Shaft, Rocker Arm, 1986-2012 xl 4 Pack	17611-83B	90-4036
26	Retainer, Pushrod - Front Intake & Rear Exhaust	17952-91	—
	Retainer, Pushrod - Front Exhaust & Rear Intake	17953-91	—
27	Seal, Pushrod Cover	17944-89	—
28	Cover, Pushrod <i>See chart for a complete Pushrod Cover Kit</i>	17946-89	—
	Cover, Pushrod, Chrome, 2004-2012 xl models <i>See chart for a complete Pushrod Cover Kit</i>	17946-04	—
29	Pushrod, Intake 1991-2003 xl models <i>See chart for Adjustable Pushrod Set options</i>	17897-89	—
	Pushrod, Intake 2004-2012 xl models <i>See chart for Adjustable Pushrod Set options</i>	17909-02	—
	Pushrod, Exhaust 1991-2003 xl models <i>See chart for Adjustable Pushrod Set options</i>	17904-89	—
	Pushrod, Exhaust 2004-2012 xl models <i>See chart for Adjustable Pushrod Set options</i>	17908-02	—
	Pushrod, 2 Red Stripes, 1986-1990 <i>See chart for Adjustable Pushrod Set options</i>	17896-86	—
	Pushrod, 1 Red Stripes, 1986-1990 <i>See chart for Adjustable Pushrod Set options</i>	17897-86	—
	Pushrod, 3 Red Stripes, 1986-1990 <i>See chart for Adjustable Pushrod Set options</i>	17904-86	—
30	Tappet, Set, Hydraulic, 1986-'90 xl	18523-86A	33-5352
	Tappet Set, Hydraulic, 2000-up xl	18538-99A, 18538- 99B, 18538-99C	33-5350
31	Pin, Anti-Rotation	18532-89	—
32	Seal, Umbrella Valve Cover	26856-89, 26856-89A	90-4030
33	Pin Plate	36804-89	—
34	Washer, Flat, .250" x .625" x .031", Copper	6114	50-7018
35	Gasket, Tappet Cover 2004-2012 xl models	17976-04	—
36	Tappet Cover, Front 2004-2012 xl models	17972-04	—
	Tappet Cover, Rear 2004-2012 xl models	17981-04	—

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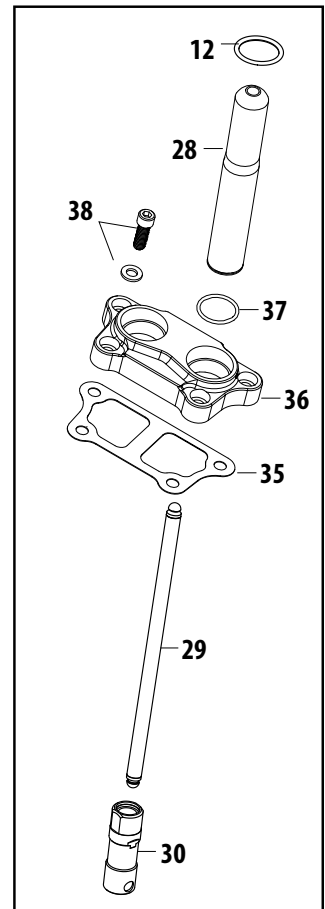
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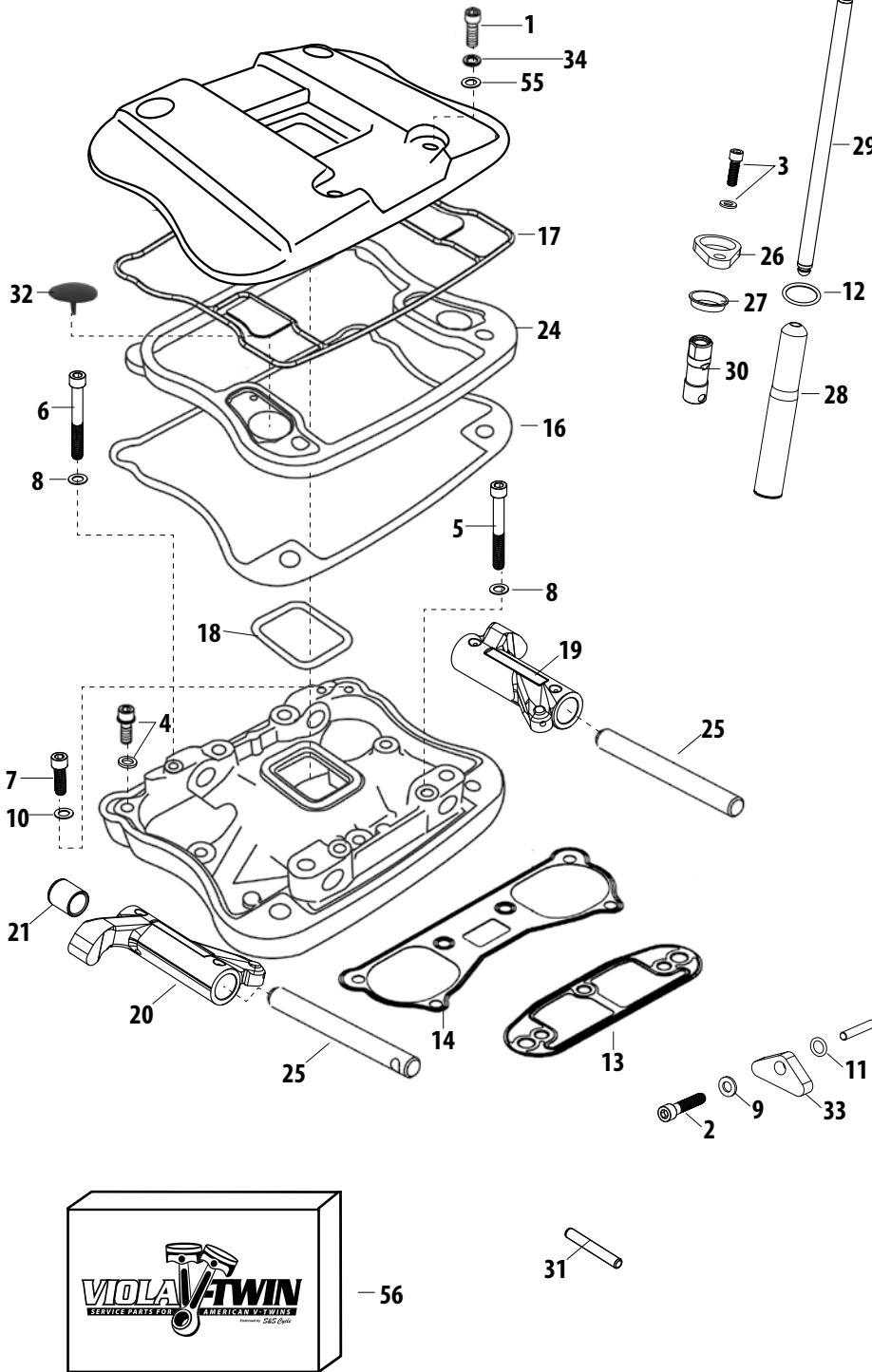
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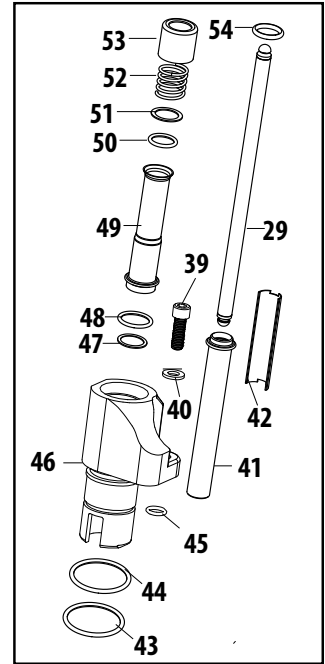
#	Description	H-D Part No.	VVT Part No.
37	O-Ring (4) For 2004-2012 xl models	11377	—
38	Screw, SHCS, 1/4-20 x 1", 2004-2012 xl models <i>each</i>	852	50-0084
39	Screw, SHC, 5/16-18 x 1", Zinc, 1986-1990 xl	3201WA, 2708	50-0101
40	Washer, Flat, .325" x .548" x .062", Zinc, 1986-1990 xl	6771	50-7025
41	Pushrod Cover, Top, Natural, Aluminum, 1986-1990 xl Also available as a complete Pushrod Cover Kit, see chart	17935-66T, 17935-79B	93-4016
42	Cover Keeper, Set, Pushrod, 2.800", Chrome, 1986-1990 xl	17950-86	93-4115
43	O-ring, (-022), 1" ID x .125" OD, Black, Viton, 1986-1990 xl <i>each</i>	11168A	50-8005
44	O-ring, (-120), 1" ID x 1.875" OD, Viton, 1986-1990 xl <i>each</i>	11167	50-8004
45	O-ring, (-012), .375" ID x .500" OD, Viton, 1986-1990 xl <i>each</i>	11110	50-8006
	O-ring, (-012), .375" ID x .500" OD, Viton, 1986-1990 xl <i>10 Pack</i>		50-8077
46	Tappet Guide, Front Exhaust, 1986-1990 xl	18616-86	—
	Tappet Guide, Front Intake, 1986-1990 xl	18617-86	—
	Tappet Guide, Rear Exhaust, 1986-1990 xl	18618-86	—
	Tappet Guide, Rear Intake, 1986-1990 xl	18619-86	—
47	Washer, .903" x 1.053" x .034", Light Oil, Cold Rolled Steel, 1986-1990 xl Also available as a complete Pushrod Cover Kit, see chart	6737	50-7150
48	O-ring, (-118), .875" ID x 1.062" OD, Viton, 1986-1990 xl <i>each</i> Also available as a complete Pushrod Cover Kit, see chart	11145A	50-8037
49	Pushrod Cover, Bottom, Chrome Plated, Steel, 1986-1990 xl Also available as a complete Pushrod Cover Kit, see chart	17938-83	93-4015
50	O-ring, (-115), .687" ID x .875" OD, Black, Nitrile, 1986-1990 xl <i>each</i> Also available as a complete Pushrod Cover Kit, see chart	11132A	50-8038
51	Washer, Flat, .715" x .950" x .031", Steel, 1986-1990 xl <i>each</i> Also available as a complete Pushrod Cover Kit, see chart	6762B	50-7131
52	Spring, Pushrod Cover Cap, .080" Wire, .730" x .890" x .925", Steel, 1957-90 xl Also available as a complete Pushrod Cover Kit, see chart	17947-36	93-4018
53	Cap, Pushrod Cover, 1957-90 xl Also available as a complete Pushrod Cover Kit, see chart	17945-36B	93-4017
54	O-ring, (-209), .687" ID x .937" OD, Viton, 1986-1990 xl <i>each</i>	11293, 11157, 11101, 11190	50-8039
55	Washer, Flat, .250" x .625" x .031", Copper, 1986-1990 xl	6114	50-7018
56	Gasket, Kit, Rocker Box, 1986-90 xl	17026-91A	900-0773
	Gasket, Kit, Rocker Box, 1991-2003 xl	17026-91A	900-0774
	Gasket, Kit, Rocker Box, 2004-'06 xl		900-0775
	Gasket, Kit, Rocker Box, 2007-up xl		900-0776

NOT DIRECT SERVICE PARTS (SOLD AS ASSEMBLIES) <i>Note: These products are compatible services as assemblies.</i>		
#	Description	VVT Part No.
1	Screw, SHC, 1/4-20 x 7/8", Chrome <i>each</i>	106-0534
19, 20	Rocker Arm, Set, Non-Roller, 1.625:1 Ratio, 8620, 1984-up bt, 1986-2003 xl	900-4119A
23, 24, 25	Rocker Box, Kit, Chrome, Billet, 1984-'99 bt, 1986-2003 xl	90-4050
	Rocker Box, Kit, Natural, Billet, 1984-'99 bt, 1986-2003 xl	90-4055
28	Pushrod Cover, Kit, Chrome, 1984-'99 bt, 1986-'90 xl	93-4039
29	Pushrod, Set, Adjustable, Stock Rocker Arms, +.4375", Steel, 1986-'90 xl, 1991-up Stock xl	93-5022
	Pushrod, Set, Adjustable, Stock, Steel, 1986-'90 xl	93-5033
	Pushrod, Set, Quickee, Hydraulic Tappet, 88"-124", Steel, 1991-up xl, 1999-upbt	93-5122
41, 47, 48, 49, 50, 51, 52, 53	Pushrod Cover, Kit, Chrome, 1984-'99 bt, 1986-'90 xl	93-4039
46	Tappet Guide, Set, Stock Style, Natural, Billet, 1986-'90 xl	33-5375

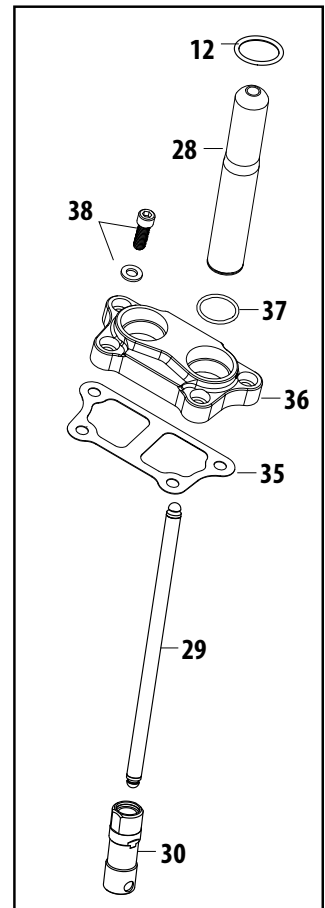
Harley-Davidson® 1986-2013 Sportster® Models



1986-1990 models



2004-2012 models



Parts for
Twin Cam 96™/103™
2007-2015

Parts for
Twin Cam 88®
1999-2006

Parts for
Evolution®
1984-1999

Parts for
Sportster®
1986-2015

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Note: VVT parts cross referenced to stock OEM parts are functionally identical, but may differ slightly in appearance. Line drawings are a typical representation and may not be an exact match. Please confirm the required stock part number for intended application before ordering. All reference to H-D® part numbers are for identification purposes only. We are in no way implying that any of the VVT products are original equipment parts or that they are equivalent to the corresponding H-D part number shown.



PISTONS, CONNECTING RODS AND FLYWHEELS FOR HARLEY-DAVIDSON SPORTSTER MODELS (AND IRONHEAD SPORTSTER)

Parts for
Twin Cam 96"/103"
2007-2015

Parts for
Twin Cam 88"
1999-2006

Parts for
Evolution®
1984-1999

Parts for
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Parts for
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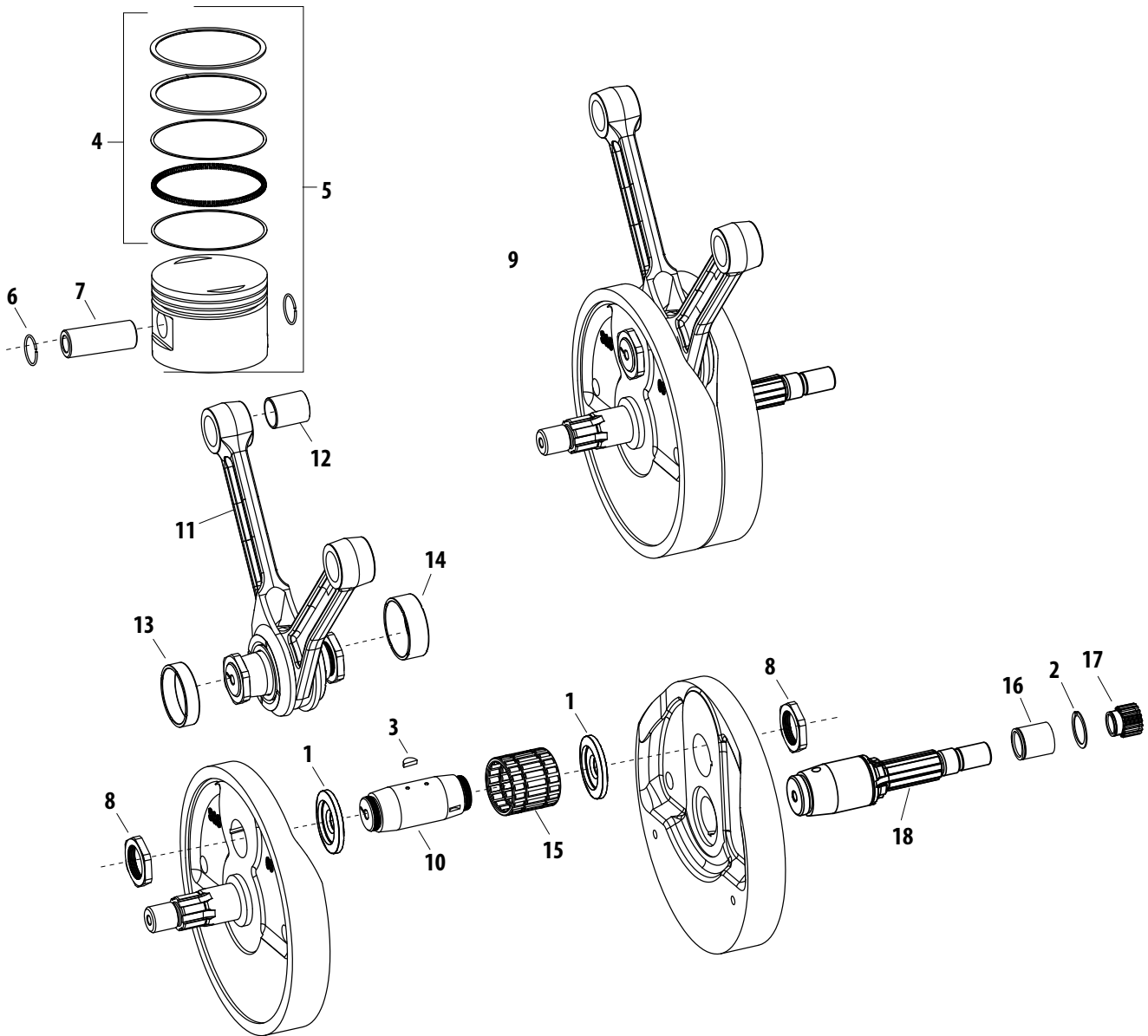
Parts for
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#	Description	H-D Part No.	VVT Part No.	
1	Washer, Crankpin Boss	6508	—	
2	Retaining Ring, External, Pinion Bearing, 1.160" x 1.480" x .046" <i>each</i>	11177A	50-8057	
	Retaining Ring, External, Pinion Bearing, 1.160" x 1.480" x .046" <i>5 Pack</i>		50-1004	
3	Key, Woodruff, .125" x .375" x .374" <i>each</i>	11218	50-8222-5	
	Key, Woodruff, .125" x .375" x .374" <i>5 Pack</i>		50-1009	
4	Ring, Set, Piston, 3-1/2", Standard, Moly Faced, .0625, .0625, .1525, 1984-'99 bt, 1986-2003 xl	21921-83	94-2216X	
	Ring, Set, Piston, 3-1/2", +.005", Moly Faced, .0625, .0625, .1525, 1986-2003 xl		—	
	Ring, Set, Piston, 3-1/2", +.010", Moly Faced, .0625, .0625, .1525, 1986-2003 xl		94-2217X	
	Ring, Set, Piston, 3-1/2", +.020", Moly Faced, .0625, .0625, .1525, 1986-2003 xl		94-2218X	
	Ring, Set, Piston, 3-1/2", +.020", Moly Faced, .0625, .0625, .1525, 1986-2003 xl		94-2219X	
5	Ring, Set, Piston, 3", Standard, 883, 1986-2003 xl	22266-86	—	
	Ring, Set, Piston, 3", .010", 883, 1986-2003 xl	22261-86	—	
	Ring, Set, Piston, 3", .020", 883, 1986-2003 xl	22262-86	—	
	Ring, Set, Piston, 3", .030", 883, 1986-2003 xl	22263-86	—	
	Ring, Set, Piston, 3", .005", 883, 1986-2003 xl	22271-86	—	
	Piston and Rings Assembly, Standard 883, 1986-Up xl <i>See chart for compatible Piston Set options</i>	22242-86A	—	
	Piston and Rings Assembly, +.005 O.S. 883, 1986-Up xl <i>See chart for compatible Piston Set options</i>	22201-86A	—	
	Piston and Rings Assembly, +.010 O.S. 883, 1986-Up xl <i>See chart for compatible Piston Set options</i>	22253-86A	—	
	Piston and Rings Assembly, +.020 O.S. 883, 1986-Up xl <i>See chart for compatible Piston Set options</i>	22254-86A	—	
	Piston and Rings Assembly, +.030 O.S. 883, 1986-Up xl <i>See chart for compatible Piston Set options</i>	22255-86A	—	
6	Piston and Rings Assembly, Standard 1200, 1986-Up xl <i>See chart for compatible Piston Set options</i>	22243-88A	—	
	Piston and Rings Assembly, +.005 O.S. 1200, 1986-Up xl <i>See chart for compatible Piston Set options</i>	22205-88A	—	
	Piston and Rings Assembly, +.010 O.S. 1200, 1986-Up xl <i>See chart for compatible Piston Set options</i>	22216-88A	—	
	Piston and Rings Assembly, +.020 O.S. 1200, 1986-Up xl <i>See chart for compatible Piston Set options</i>	22220-88A	—	
	Piston and Rings Assembly, +.030 O.S. 1200, 1986-Up xl <i>See chart for compatible Piston Set options</i>	22225-88	—	
	Wristpin Keeper, C-Clip, .791"/.792" <i>each</i>	22589-83B, 22589-83A	94-9254-5	
	Wristpin Keeper, C-Clip, .791"/.792" <i>2 Pack</i>		94-9254-2	
	Wristpin Keeper, C-Clip, .791"/.792" <i>4 Pack</i>		94-9254	
	7	Piston Pin, 883cc	22719-85	—
		Piston Pin, 1200cc	22765-88	—
8	Nut, Crankpin 1998-2003	23980-98	—	
	Nut, Crankpin, 1986-1997	23901-81	—	
9	Set of Flywheels and Shafts with Rods <i>See chart for compatible Flywheel options</i>	23905-89A	—	
10	Crankpin, Assembly, Tapered, 1981-'99 xl	23960-80A	34-2602	
	Crankpin, Assembly, 1.250", 1981-'99 xl	23948-87	34-2603	
	Crankpin, Assembly, Tapered, 1.251", 1981-'99 xl	23949-87	34-2605	
11	Connecting Rod, Set, Heavy Duty, ABC, .792" WP, 6.926", 1986-'99 xl	24275-86A	34-7800	
	Connecting Rod, Set, Heavy Duty, ABC, .791" WP, 7.440", 1957-E'81 xl	—	34-7500	
	Connecting Rod, Set, Supreme, ABC, Stock Bore, .791" WP, 7.440", 1957-E'81 xl	—	34-7710	
	Connecting Rod, Set, Heavy Duty, ABC, .791" WP, 7.440", L1981-'85 xl	—	34-7510	
12	Bushing, Wristpin, .767" x .895" x .950", Bronze, 1954-up xl	24331-36	34-4507	
	Bushing, Wristpin, .010" oversize, 767" x .895" x .950", Bronze, 1954-up xl	24332-36	—	
13	Race, rear, Connecting Rod, 1957-'99 xl	24341-52A	34-4506	
14	Race, Front, Connecting Rod, 1957-'99 xl	24352-52A	34-4505	
15	Bearing, Set, Rod, Standard, Alloy	24354-87A	34-4521	
16	Inner Ring	24658-87	—	
17	Gear, Pinion, Blue, 1986-'87 xl	24056-86	33-4152	
	Gear, Pinion, Red, 1986-'87 xl	24057-86	33-4153	
	Gear, Pinion, White, 1986-'87 xl	24058-86	33-4154	
	Gear, Pinion, Green, 1986-'87 xl	24059-86	33-4155	
	Gear, Pinion, Yellow, 1986-'87 xl	24060-86	33-4156	
	Gear, Pinion, Blue, 1991-'99 xl	24056-91	33-4162	
	Gear, Pinion, Red, 1991-'99 xl	24057-91	33-4163	
	Gear, Pinion, White, 1991-'99 xl	24058-91	33-4164	
	Gear, Pinion, Green, 1991-'99 xl	24059-91	33-4165	
	Gear, Pinion, Yellow, 1991-'99 xl	24060-91	33-4166	
18	Pinion Shaft, Assembly, Tapered, Standard, L1981-'85 xl	24005-80	33-2323	
	Pinion Shaft, Assembly, Tapered, Standard, 1957-'76 xl	24005-57	33-2321	
	Pinion Shaft, Assembly, Tapered, Standard, 1977-E'81 xl	—	33-2322	

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Parts for
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NOT DIRECT SERVICE PARTS (SOLD AS ASSEMBLIES) Note: These products are compatible services as assemblies.

#	Description	VVT Part No.
5	Piston, Set, 3-1/2", Standard, DD, .792" WP, 9.44:1 Compression, 1986-up xl	106-5548
	Piston, Set, 3-1/2", +.010", DD, .792" WP, 9.44:1 Compression, 1986-up xl	106-5549
	Piston, Set, 3-1/2", +.020", DD, .792" WP, 9.44:1 Compression, 1986-up xl	106-5550
9	Flywheel, Assembly, 3-13/16" Stroke, 7-7/8" Diameter, Balanced for 92-2016 Piston, 1986-'90 xl	320-0052
	Flywheel, Assembly, 3-13/16" Stroke, 7-7/8" Diameter, Balanced for 92-2016 Piston, 1991-2003 xl	320-0053
	Flywheel, Special Order, 1957-2003 xl	32-3014

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CRANKCASE

FOR HARLEY-DAVIDSON SPORTSTER MODELS

Parts for
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2007-2015

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1984-1999

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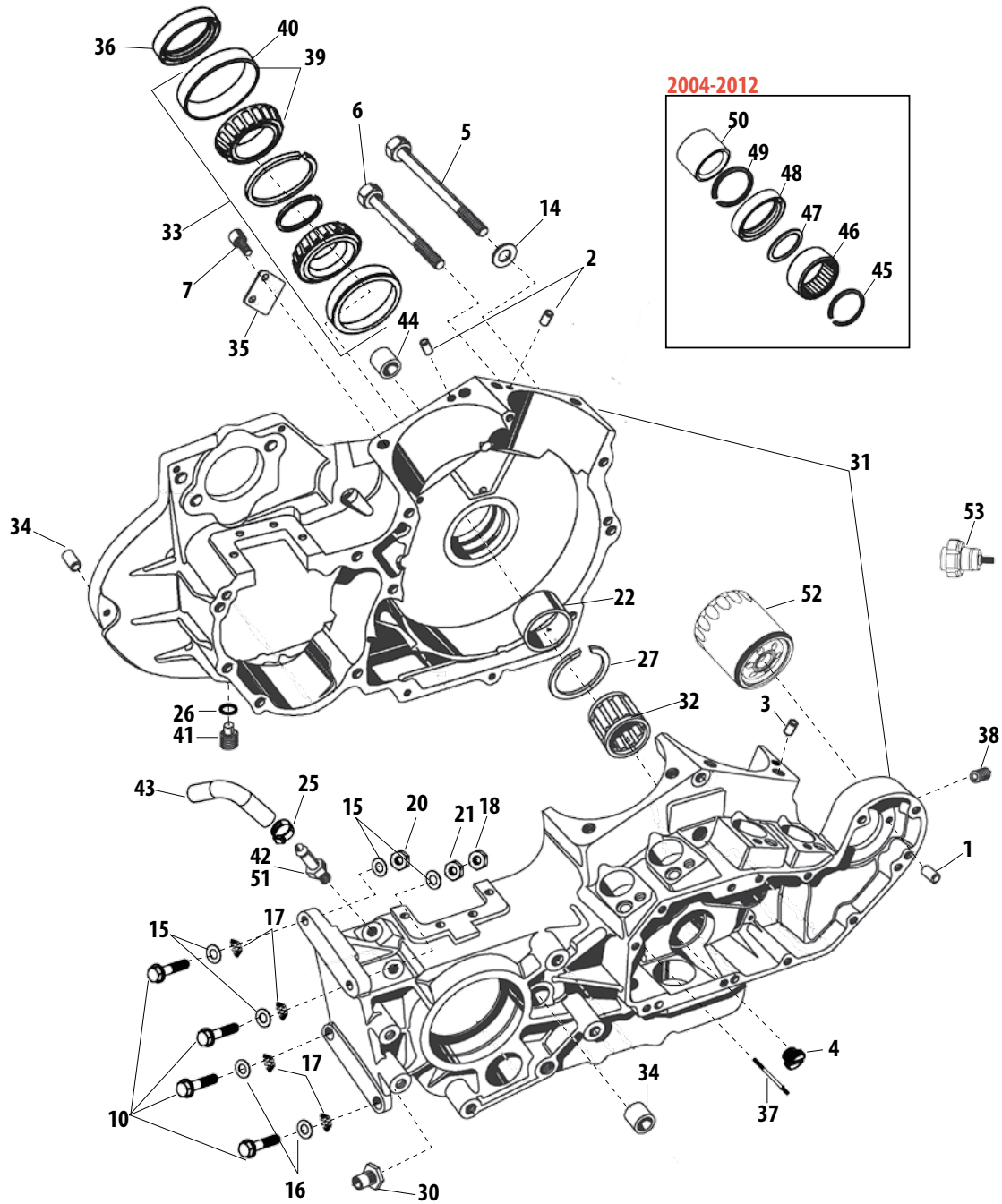
Parts for
Knuckleheads

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#	Description	H-D Part No.	VWT Part No.
1	Pin, Dowel, 5/16 x 1/2"	215	—
2	Pin, Dowel, .250" x .500", Steel <i>each</i>	358, 366	50-8022
	Pin, Dowel, .250" x .500", Steel <i>2 Pack</i>		50-8022-2
	Pin, Dowel, .250" x .500", Steel <i>5 Pack</i>		50-8105
3	Roll Pin	604	—
4	Plug, Timing, Threaded, 5/8-18 UNF-2A x .545", Zinc, Steel	720	31-2005
5	Screw, SHCS, 5/16-18 x 2-1/2", Zinc <i>each</i>	876A	50-0118
6	Screw, 5/16 thd x 3/4 pan head torx	3696	—
7	Screw, SHCS, 10-24 x 3/8", Chrome, Steel	4091	50-0023
—	Screw, 3/8-24 x 1-1/4 hex cap (grade 5) (Not Shown)	4337W	—
—	Screw, 3/8-24 x 5-1/2 hex cap (grade 5) (Not Shown)	4413	—
10	Bolt, 3/8-24 x 3-1/2 hex. hd. (Grade 5 steel)	4435W	—
—	Washer, 3/8 x 29/32 x 1/16 (Not Shown)	6019	500-0312
—	Washer, 3/8 x 7/8 x 7/64 (Not Shown)	6026	—
13	Spacer, 13/32 x 1.0 x 5/16	6152	—
14	Washer, 21/64 x 9/16 x 1/8	6314W	—
15	Washer, 3/8 x 13/16 x 1/16	6701	—
16	Washer, Lock, .385" x .680" x .094", Zinc, Steel	7038	50-7052
17	Lockwasher, 3/8 external tooth	7145W	—
18	Locknut, 3/8-24 x 7/16 x 9/16 hex.	7775	—
—	Locknut, 3/8-24 x 13/32 x 11/16 hex. (Not Shown)	7780	—
20	Locknut, 3/8-24 x 7/32 x 9/16	7789	—
21	Nut, HH, 3/8-24 UNC-2B x .337", Zinc, Steel	7861	50-5037
22	Race, Right, Main Bearing, Standard	8881	31-4050
23	Retaining ring	9119A	—
24	Spacer, Left, Main Bearing, .100", 1974-2003 xl	9142	—
	Spacer, Left, Main Bearing, .1015" - .1025", 1974-2003 xl	9143	31-4064
	Spacer, Left, Main Bearing, .1035" - .1045", 1974-2003 xl	9144	31-4065
	Spacer, Left, Main Bearing, .1055" - .1065", 1974-2003 xl	9145	31-4066
	Spacer, Left, Main Bearing, .1075" - .1085", 1974-2003 xl	9146	31-4067
	Spacer, Left, Main Bearing, .110", 1974-2003 xl	9147	31-4068
	Spacer, Left, Main Bearing, .112", 1974-2003 xl	9148	—
	Spacer, Left, Main Bearing, .114", 1974-2003 xl	9149	31-4070
	Spacer, Left, Main Bearing, .098", 1974-2003 xl	9155	31-4062
25	Clamp	10080	—
26	O-ring, (-013), .437" ID x .565" OD, Viton <i>each</i>	11105, 11273	50-8008
	O-ring, (-013), .437" ID x .565" OD, Viton <i>10 Pack</i>		50-8078
27	Retaining Ring, External, Pinion Bearing, 1.160" x 1.480" x .046" <i>each</i>	11177A	50-8057
	Retaining Ring, External, Pinion Bearing, 1.160" x 1.480" x .046" <i>5 Pack</i>		50-1004
—	Mounting Plate, Lower Right - Front (Not Shown)	16210-84A	—
—	Mounting Plate, Lower Right - Front (Not Shown)	16294-99	—
—	Mounting Plate, Lower Left - Front (Not Shown)	16212-84	—
—	Mounting Plate, Lower Left - Front (Not Shown)	16297-99	—
30	Nut, Motor Mount, Press-In, HH, 3/8-24 2B x .785", Steel	16240-82	31-2048
31	Crankcase Set w/Bearings See chart for compatible Crankcase Assembly	24470-98	—
	Crankcase Set w/Bearings (Black) See chart for compatible Crankcase Assembly	24466-98	—
32	Bearing, Assembly, Right, Main, Blue	24647-87	31-4055
	Bearing, Assembly, Right, Main, Red	24650-87	31-4056
	Bearing, Assembly, Right, Main, White	24659-87	31-4057
	Bearing, Assembly, Right, Main, Green	24660-87	31-4058
33	Bearing, Assembly, Left, Main, 1974-up xl	24729-74, 48302-85	31-4059
34	Pin, Dowel, .430" x .499", Steel	24754-75, 24754-75A	50-8018
35	Cover, Stator Wire, 1991-2003 xl	29950-91	31-2050
36	Seal, Left, Main Bearing, 1.500" x 2" x .313", 1974-up xl	35151-74A	31-4060
37	Stud	42449-80	—
38	Plug, Pipe, 3/4 Taper, 1/8-27 NPTF x .188", Zinc, Steel <i>each</i>	45830-48	50-8331
	Plug, Pipe, 3/4 Taper, 1/8-27 NPTF x .188", Zinc, Steel <i>10 Pack</i>		50-1015
39	Bearing, Assembly, Left, Main, 1974-03 xl	24729-74, 48302-85	31-4059
40	Bearing Cup (2)	48315-60	—
41	Drain Plug Kit with O-Ring	60348-65B	—
42	Breather Tube for 1986-2003 xl	63547-89	—
43	Hose, .375" x .625" x 3', Rubber, Duro 73 (NOTE: S&S hose is 3' long)	63500-68	19-0169A
44	Bearing, Transmission Shift Drum, 1991-2003 xl, Right Hand	9151	56-3032
45	Retaining Ring, Internal, 2.731" x .031" x .158", Steel, 2004-up xl	35114-02	50-8160-S
46	Bearing	24604-00C	—
47	Washer, 1-1/4 x 1-53/64 x 9/64	8973	—
48	Seal, Left, Main Bearing, 2004-up xl	12068	31-4035
49	Ring, Retaining	35118-03	—
50	Spacer, Sprocket Shaft	40254-02	—
51	Fitting, Hose, Straight, 1/8-27 NPTF x .500", Zinc, Steel for 2004 - 2012 xl		50-8115

Harley-Davidson® 1986-2013 Sportster® Models



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#	Description	H-D Part No.	VVT Part No.
52	Filter, Oil, 1986-up xl models Chrome <i>each</i>	63796-77A	31-4102
	Filter, Oil, 1986-up xl models Chrome <i>12 Pack</i>	63796-77A	310-0240
	Filter, Oil, 1986-up xl models Black <i>each</i>	63805-80A	31-4101
	Filter, Oil, 1986-up xl models Black <i>12 Pack</i>	63805-80A	310-0239
53	Switch, Oil Pressure, 1977-'13 xl, 2006-'08 Buell	26554-77, 26554-77A, 26554-77B	550-0403

NOT DIRECT SERVICE PARTS (SOLD AS ASSEMBLIES) *Note: These products are compatible services as assemblies.*

#	Description	VVT Part No.
31	Crankcase, Assembly, Stock Bore, xl/Buell, Natural, 1991-2003 (<i>Requires gasket 31-2052. 1991-'03 requires a 1991-'06 gearcover.</i>)	31-1008

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ACCESS DOOR & PRIMARY COVER FOR HARLEY-DAVIDSON SPORTSTER MODELS

Parts for
Twin Cam 96™/103™
2007-2015

Parts for
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1999-2006

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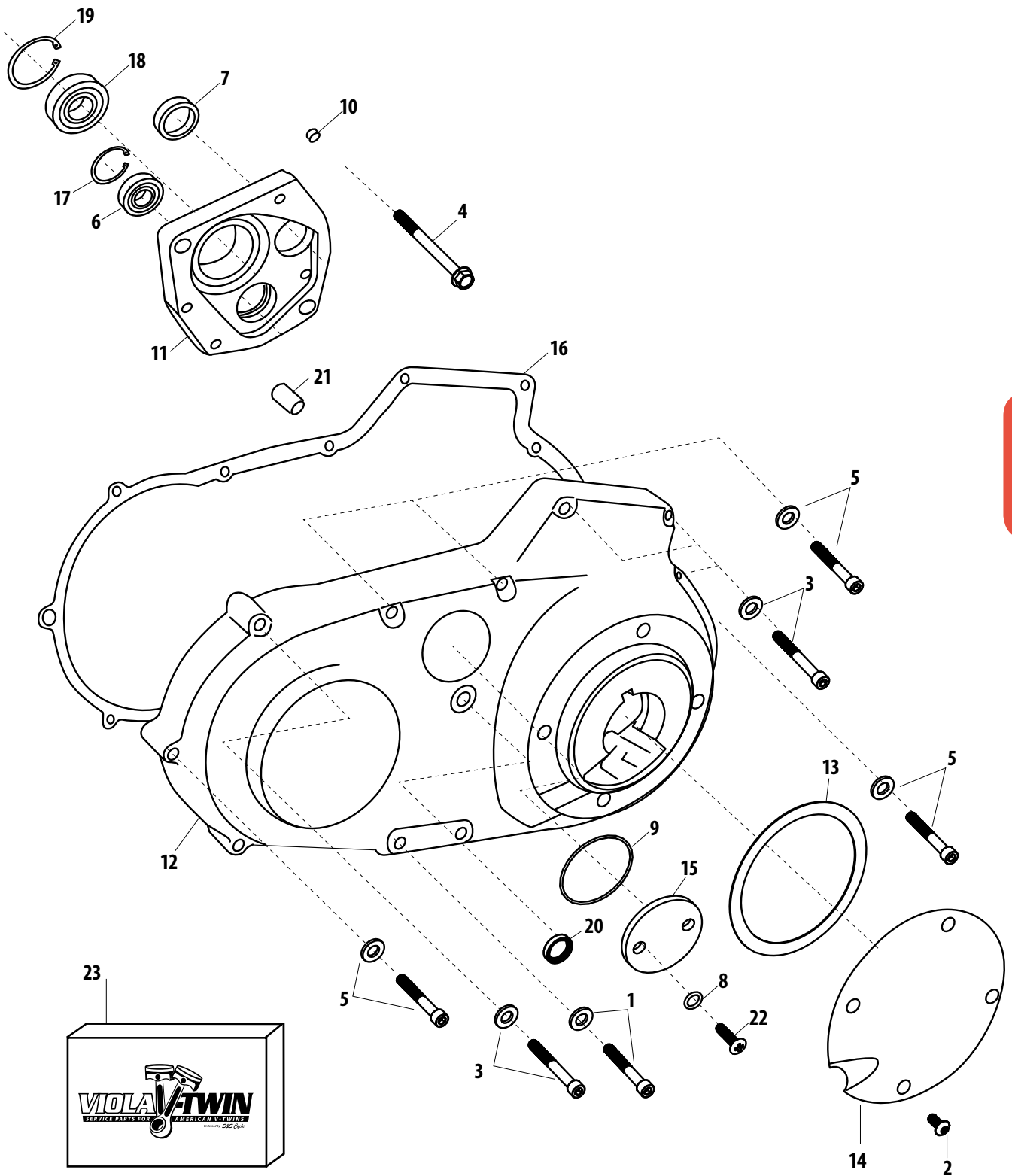
Parts for
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#	Description	H-D Part No.	VVT Part No.
1	Screw	897	—
2	Screw, 1/4-20 x 5/8 socket button hd.	943	—
3	Screw, SHCS, 1/4-20 x 1-3/4", Zinc	3480A, 891, 4810	50-0010-S
4	Screw, 5/16-18 x 3-3/4 hex. flange hd.	3610	—
5	Screw, SHCS, 1/4-20 x 2-1/4", Zinc	4717A	50-0078
6	Bearing, Ball, Transmission Countershaft, Left Hand, 20mm x 47mm x 14mm, 1991-'03 xl	8992A, 8998	56-3026
7	Bushing, Shifter Drum, 1.218" x 1.407" x .375", Bronze, 1991-2003 xl	9187	56-3030
8	O-Ring, Inspection Cover Screws	11171	560-0071
9	O-Ring, Chain Inspection Cover	11188	—
—	Gasket, Inspection Cover, 04-Up xl, 5 Pack (Not Shown)	34986-04	560-0068
	Gasket, Inspection Cover, 58-69 xlh 5 Pack	60567-36	560-0072
10	Pin, Dowel, .557" x .500", Black, Steel <i>each</i>	16574-99A, 16573-83,	50-8023
	Pin, Dowel, .557" x .500", Black, Steel <i>10 Pack</i>	16573-83A	50-8109
11	Access Door Assembly, Transmission w/#6, 7, 17, 18, & 19	25238-94	—
12	Primary Cover (Polished)	25430-94A	—
	Primary Cover (Chrome)	25460-94	—
	Primary Cover (Silver)	25471-97Y	—
13	O-Ring, Clutch Cover, 1994-up xl 5 Pack	35463-94A	560-0069
	O-Ring, Clutch Inspection Cover, 1991-93 xl 10 Pack	11187	560-0070
14	Inspection Cover, Clutch	34742-94A	—
	Inspection Cover, Clutch (Chrome)	34760-94	—
15	Inspection Cover, Chain	34745-90A	—
	Inspection Cover, Chain (Chrome)	34761-94	—
16	Gasket, Outer, Primary Cover 2004-Up xl 5 Pack	34955-04	560-0059
	Gasket, Outer, Primary Cover 1991-'03 xl 5 Pack	34955-89A	560-0060
	Gasket, Outer, Primary Cover 1977-'90 xl 5 Pack	34955-75X	560-0061
17	Retaining Ring, Internal, 2.054" x .062", Carbon Steel	35021-89	50-8053
18	Bearing, Ball, 20mm x 47mm x 14mm, 1991-2012 xl	35030-89, 35030-89A	56-3027
19	Retaining Ring, Internal, 2.702" x .078", Carbon Steel	35038-84, 35038-89	50-8052
20	Oil Seal	37101-84	—
21	Bushing	40520-63	—
22	Screw, Inspection Covers	41191-74A	—
23	Gasket Kit, Primary, Rebuild, 2004-up xl	—	560-0044
	Gasket Kit, Primary, Rebuild, 1991-2003 xl	—	560-0045
	Gasket Kit, Primary, Rebuild, 1986-'90 xl	—	560-0046

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GEARCASE AND COVER FOR HARLEY-DAVIDSON SPORTSTER MODELS

Parts for
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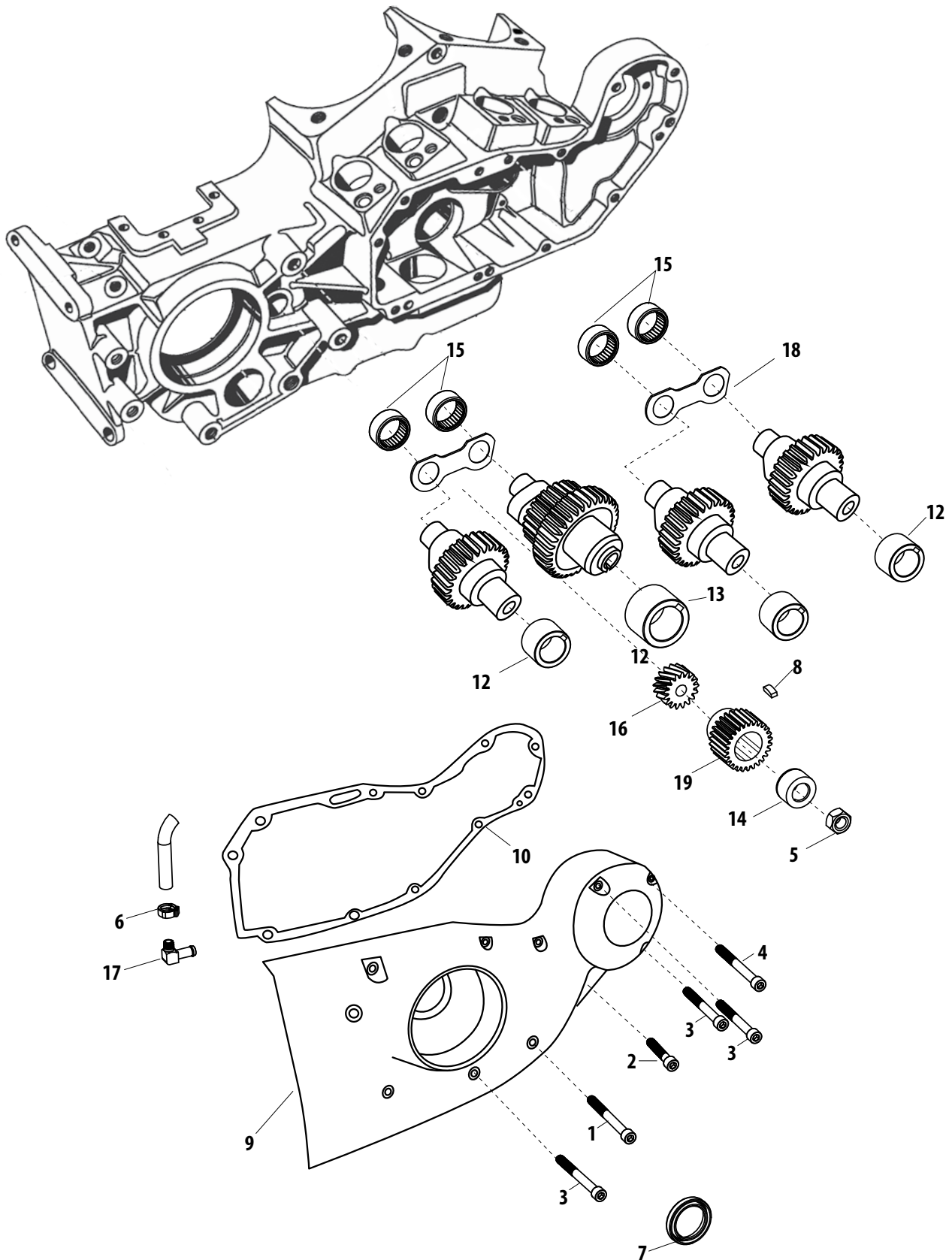
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#	Description	H-D Part No.	VVT Part No.
1	Screw, SHCS, 1/4-20 x 1-3/4", Zinc	3480A, 891, 4810	50-0010-S
2	Screw, SHCS, 1/4-20 x 1-1/4", Zinc <i>each</i>	4740A, 3482A	50-0008
3	Screw, SHCS, 1/4-20 x 2-1/4", Zinc, ASTM A574-92A	4717A	50-0078
4	Screw, 1/4-20 X 2 hex. socket	4820A	—
5	Nut	7916A	—
6	Clamp	10117	—
7	Seal, Gearcover Cam, 1.125" x 1.561" x .250", 1971-03 xl	11124	31-4051
8	T-key for 1991-2003 xl models	11219	—
	T-key for 2004-2012 xl models	11317	—
9	Cover Assembly, gearcase (polished) w/# 7, 17 & bushings	25219-91B	—
	Cover Assembly, gearcase (chrome) w/# 7, 17 & bushings	25213-96A	—
	Cover Assembly, gearcase (silver) w/# 7, 17 & bushings	25252-97YA	—
10	Gasket, Cam Cover, 2004-up xl <i>5 Pack</i>	25263-90D	310-0432
	Gasket, Cam Cover, 1991-'04 xl <i>5 Pack</i>	25263-90B	310-0433
	Gasket, Cam Cover, 1986-'90 xl <i>5 Pack</i>	25263-86	310-0434
11	Cover With Cam Gear Set, Matched	25488-89B	—
	Cover With Cam Gear Set, Matched (Chrome)	25483-96A	—
	Cover With Cam Gear Set, Matched (Silver)	25491-98	—
	Cover With Cam Gear Set, Matched (Silver)	25473-97YA	—
12	Bushing, Cam, #1/3/4, Bronze, 1957-up xl	25586-37	31-4037-S
13	Bushing, Rear Intake Cam Gear Shaft	25588-91	—
	Bushing, Cam, #2, Bronze, 1957-90 xl	25588-57	31-4036-S
14	Bushing, Pinion Shaft, Stepped, 1986-2003 x	25593-74	106-2928
15	Inner Bushing, Camshaft Gear	25598-91	—
	Bearing, Assembly, Needle, Cam, Late 1958-'90 xl	9057	31-4061
16	Gear, Pinion, Oil Pump Drive, 1988-up xl	26318-88A	—
	Gear, Pinion, Oil Pump Drive, 1977-'87 xl	26318-75	33-4228
17	Fitting, Oil Vent Hose	62375-57	560-0205
18	Washer, Cam, Thrust, Double, .062", Steel <i>each</i>	25551-58	33-5210
19	Gear, Pinion, Blue, 1986-'87 xl	24056-86	33-4152
	Gear, Pinion, Red, 1986-'87 xl	24057-86	33-4153
	Gear, Pinion, White, 1986-'87 xl	24058-86	33-4154
	Gear, Pinion, Green, 1986-'87 xl	24059-86	33-4155
	Gear, Pinion, Yellow, 1986-'87 xl	24060-86	33-4156
	Gear, Pinion, Blue, 1991-'99 xl	24056-91	33-4162
	Gear, Pinion, Red, 1991-'99 xl	24057-91	33-4163
	Gear, Pinion, White, 1991-'99 xl	24058-91	33-4164
	Gear, Pinion, Green, 1991-'99 xl	24059-91	33-4165
	Gear, Pinion, Yellow, 1991-'99 xl	24060-91	33-4166

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OIL PUMP FOR HARLEY-DAVIDSON SPORTSTER MODELS

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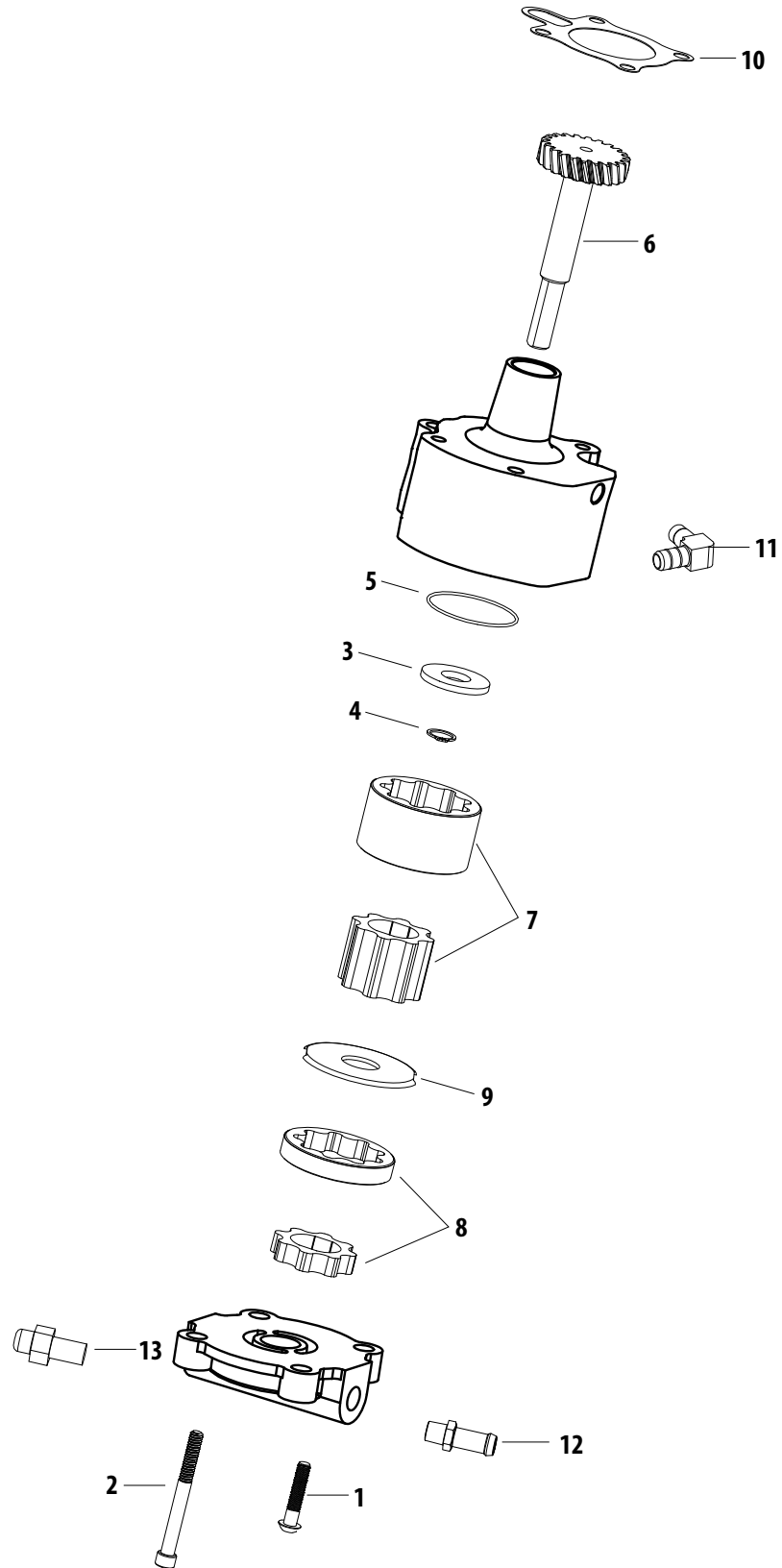
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#	Description	H-D Part No.	VVT Part No.
	Oil Pump, complete, 1991-up xl	26204-91A, 26488-98	106-5368
1	Screw, 1/4-20 x 1 1/8 hex socket button head (Grade 5, steel) (2)	4132	—
2	Screw, 1/4-20 x 2-5/8 cap screw hex socket hd. w/flat (Grade 8) (2)	4765	—
3	Thrust Washer	6157	—
4	Retaining Ring, External, .366" x .025 each	11002	50-8059
	Retaining Ring, External, .366" x .025 10 Pack		50-8107
5	O-Ring	26434-91	—
6	Gear Shaft	26488-98	—
7	Gerotor Set, Return	26491-98, 26239-07	—
8	Gerotor Set, Feed	26492-91, 26502-07	—
9	Separator Plate	26493-91, 26503-07	—
10	Gasket, Pump Mounting	26495-89B	—
11	Fitting, 90 Degree	26496-75A	—
12	Fitting, Connector - Front	62601-91A	—
13	Fitting, Hose, Straight, 1/8-27 NPTF x .500", Zinc, Steel		50-8115

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CARBURETOR FOR HARLEY-DAVIDSON SPORTSTER MODELS

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#	Description	H-D Part No.	VVT Part No.
1	Screw, .312-18 x 3/4 hex. socket head cap	3275	—
2	Seal, O-ring, MF, Stock Ports, 1.780" x 2.05, 1986-up xl <i>each</i>	26992-99, 26995-86A,	16-0236
	Seal, O-ring, MF, Stock Ports, 1.780" x 2.05, 1986-up xl <i>10 Pack</i>	26995-86B	16-0244
3	Flange, Front, Manifold, 1986-2006 xl <i>each</i>	27009-86A	16-0232
	Flange, Front, Manifold, 1986-2006 xl <i>5 Pack</i>		16-0600
4	Flange, Rear, Manifold, 1986-2006 xl <i>each</i>	27010-86A	16-0233
	Flange, Rear, Manifold, 1986-2006 xl <i>5 Pack</i>		16-0601
5	U-ring, Manifold, 40mm Stock CV	27002-89	16-0242
6	Intake Manifold Kit w/#3 & 4	27004-88A	—
	Intake Manifold Kit w/32316-99, 38723-99, 68042-99	27024-04	—
7	Spring	27162-89	—
8	Screw, Top	27262-96	—
9	Top, Carburetor	27261-96	—
10	Collar	27263-96	—
11	Jet, Needle <i>See chart for Jet Kit</i>	27656-98	—
12	Vacuum Piston	27585-88	—
13	Insulator, 1/21.0. Nylon (8 Ft. Lg.)	63505-84	—
14	Hose, 1/41.0. x 1/2 0.0. (Rubber)(25 Ft. Lg.)	63501-68A	—
15	Fitting	27371-76	—
16	Carburetor	27480-97	—
17	Needle Jet <i>See chart for Jet Kit</i>	27100-88	—
18	Needle Jet Holder <i>See chart for Jet Kit</i>	27101-88	—
19	Main Jet <i>See chart for Jet Kit</i>	27275-96Y	—
20	Valve, with Clip	27886-78A	—
21	Float	27576-92	—
22	Screw (4)	27579-88A	—
23	Float Chamber Assembly	27159-92	—
	Float Chamber Assembly	27380-98	—
24	O-Ring	27360-76	—
25	Pump Housing	27160-89	—
26	Spring, Diaphragm	27362-76	—
27	Diaphragm, Accelerator Pump	27361-76	—
28	O-Ring	27157-89	—
29	Drain Screw	27158-89	—
30	Clip, Overflow Hose	27368-76	—
31	Hose, Overflow, .125" x .250" x 24", Plastic, Duro 68A <i>each</i>	27369-76	19-0262-S
	Hose, Overflow, .125" x .250" x 24", Plastic, Duro 68A <i>5 Pack</i>		19-0263
32	O-Ring	27577-92	—
33	Cap, Accelerator Pump (Rubber)	27311-76	—
34	Rod	27156-89	—
35	Pin	27575-88A	—
36	Slow Jet	27171-89	—
37	Lever	27126-89	—
38	Bracket	27316-88	—
39	Screw, No. 8-32 x 3/8 Torx Hd.	68042-99	50-0054-S
40	Clamp, Hold-Down, Map Sensor	26992-99, 26995-86A, 26995-86B	16-5077-S
41	Map Sensor	32424-98	N/A
42	Seal, Map Sensor	11291	N/A
43	Map Sensor w/11291, 2004-up xl	32424-98, 32416-10, 32417-10	55-5057
44	Filter, Air, 2004-'09 xl	29331-04	106-4635
	Filter, Air, 1986-2003 xl	29036-88B, 29331-96	106-4633

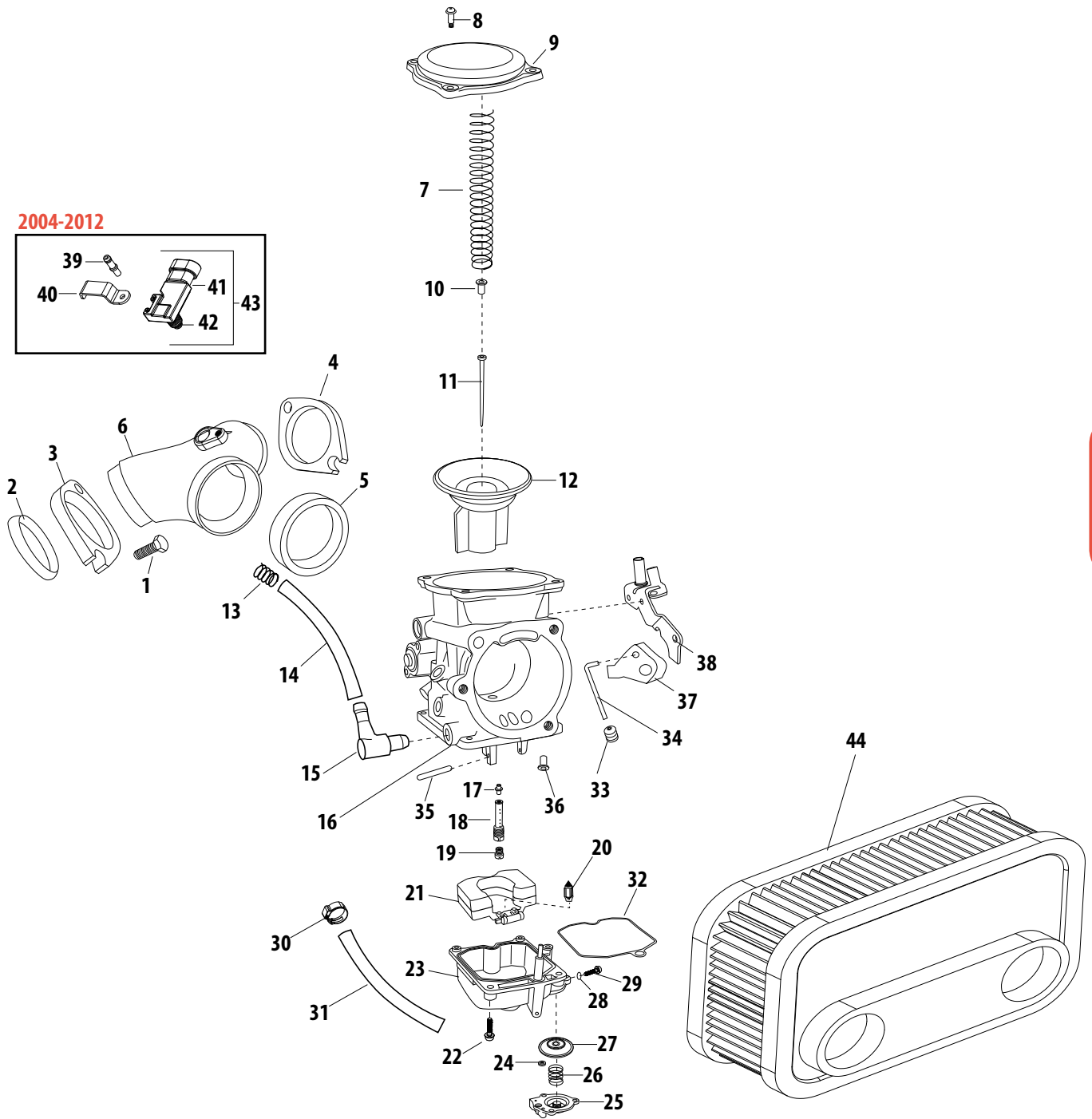
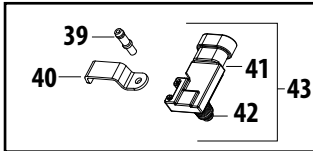
NOT DIRECT SERVICE PARTS (SOLD AS ASSEMBLIES) Note: These products are compatible services as assemblies.

#	Description	VVT Part No.
11, 17, 18, 19	Jet;Kit;CV Carb;1988-2003 xl *(Assorted popular jets, needles and emulsion tubes) For more info, see S&S instruction sheet #51-1177	11-5200
	Jet;Kit;CV Carb;2004-'06 xl *(Assorted popular jets, needles and emulsion tubes) For more info, see S&S instruction sheet #51-1177	11-5201

*Not legal for sale or use on CA or EPA pollution controlled vehicles.

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2004-2012



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INDUCTION MODULE FOR HARLEY-DAVIDSON SPORTSTER MODELS

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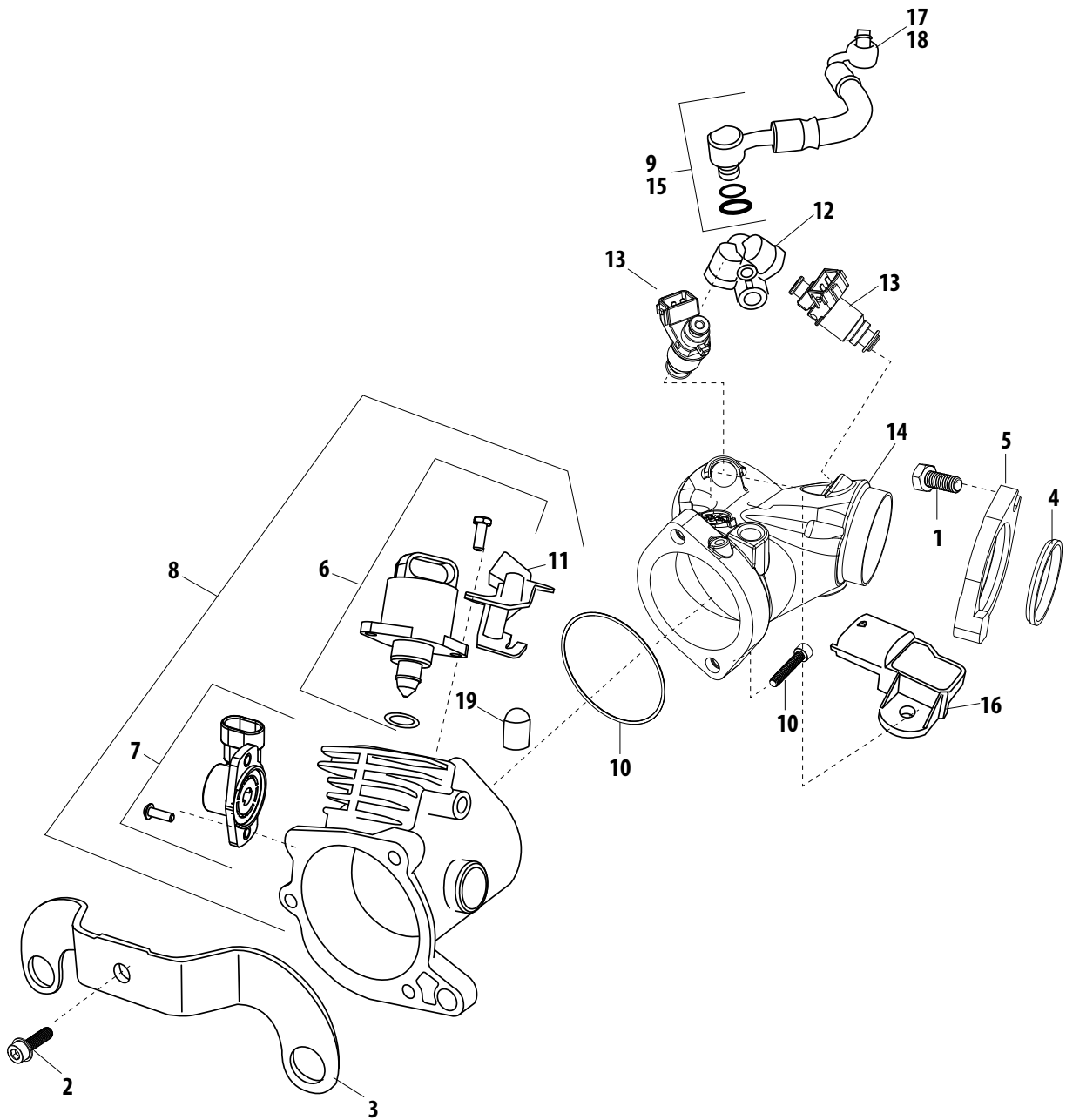
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#	Description	H-D Part No.	VWT Part No.
1	Bolt, 5/16-18 x 3/4 hex hd. (Grade 5) <i>each</i>	3987	50-0108
2	Screw, 1/4-20 x 5/8	4798	—
3	Bracket, Throttle Body	16361-07	—
4	Seal, Intake, Stock Heads, 1986-up xl	26992-99, 26995-86A, 26995-86B	16-0236
5	Flange, Intake (2)	27327-07	—
6	Motor, Kit, Idle Air Control, EFI	27628-01, 27628-01A	55-5085
7	Kit, Throttle Position Sensor	27629-01	550-0408
8	Module Assembly, Induction w/27701-07, Sensor Throttle Position, Idle Air Control, & Throttle Body	27795-07	—
9	Fuel Line Kit, w/62351-07	27693-07	—
10	Kit, Hardware	27700-07	—
11	Cable Bracket	27701-07	—
12	Fuel Rail	27704-07	—
13	Fuel Injector, w/O-Ring	27706-07	—
14	Intake Manifold	27707-07	—
15	Fuel Line Kit, w/62350-07	27774-07	—
16	T-Map Sensor	32319-07	—
17	Fuel Line	62350-07	—
18	Fuel Line	62351-07	—
19	Cap	90383-98	—

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STARTERS

FOR HARLEY-DAVIDSON SPORTSTER MODELS

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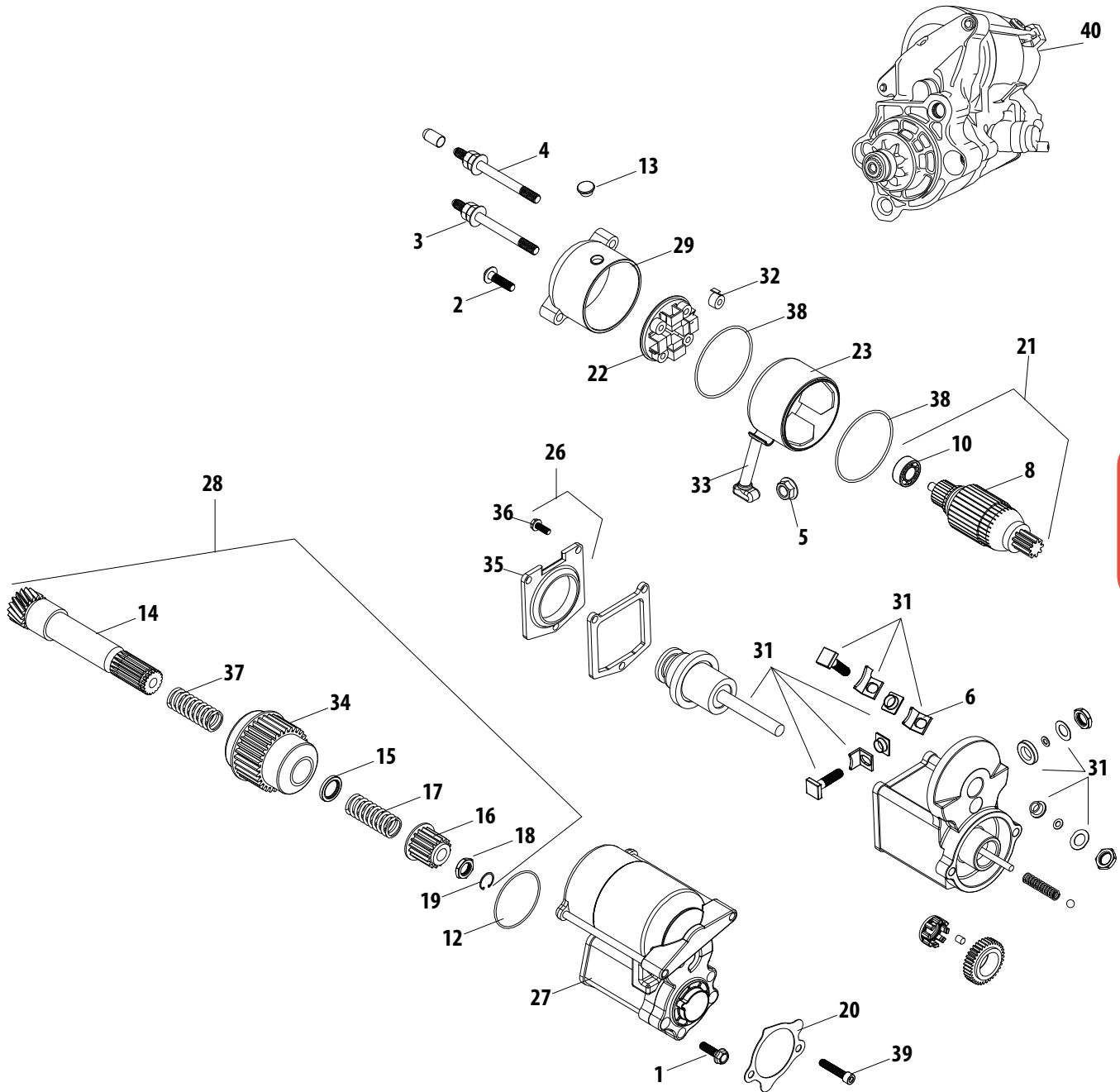
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#	Description	H-D Part No.	VVT Part No.
1	Bolt, Starter (2)	928	—
2	Screw w/O-Ring (2)	929A	—
3	Bolt, Through	3350	—
4	Bolt, Through	3559	—
5	Flange Nut	3403	—
6	Washer	6217	—
7	Washer (2)	6812	—
8	Ball Bearing	8871	—
9	Ball	8879	—
10	Ball Bearing	8883	—
11	Clutch Roller (5)	9077	—
12	O-Ring	11116	—
13	Cover	31322-91	—
14	Shaft	31323-91	—
15	Retainer, Snap	31324-91	—
16	Pinion, Starter	31325-91	—
17	Spring, Compression Coil	31326-91	—
18	Nut, Pinion Stop	31327-91	—
19	Ring, Snap	31328-91	—
20	Gasket, Starter Motor	31488-81	—
21	Armature Asm.	31515-90	—
22	Holder Asm., Starter Brush	31518-90	—
23	Yoke Asm.	31521-98	—
24	Gear, Idler	31525-90	—
25	Retainer, Idler	31530-90	—
26	Switch Assembly, Magnetic	31537-98	—
27	Solenoid, Starter, Single Bracket, 4 Spd, Zinc, 67-78 xlh xlcx xlt, 1979-'80 xl	71469-65B	550-0389
28	Housing Asm.	31539-91	—
29	Clutch Sub-Asm. w/#31330-91	31556-91A	—
30	Frame, Starter End	31599-91	—
31	Spring, Return	31600-90	—
32	Starter Solenoid Repair Kit	31603-91	—
33	Spring, Starter (4)	31661-90	—
34	Cap Terminal, Rubber	31662-90	—
35	Clutch, Starter	31663-90	550-0401
36	Starter Drive, 1981-'90 xl	31567-81	550-0402
37	Starter Clutch, 1967-'80 xl, 1965-'88 bt	31443-65A	550-0374
38	Cover, Solenoid	31688-90	—
39	Bolt w/Washer (3)	31689-90	—
40	Spring	31692-90	—
41	O-Ring, Yoke (2)	31695-90	—
42	Screw (2)	45995-73B	—
43	Starter, Motor, 1.4KW, Black, 1981-'13 xl, xlh, 1983-'85 xlk 1000, 1984-'84 xl1000	31390-86, 31390-91, 31533-81	550-0370
44	Starter, 1.4KW HD Chrome Finish (1981-'13 xl, xlh, 1983-85 xlk1000, 1983-84 xl1000)	31390-86, 31390-91, 31533-81	550-0280
45	Starter, 1974-'88 bt, xlh Hitachi Type Chrome	31570-73	550-0281
46	Starter, 1974-'88 bt, xlh Hitachi Type Black	31570-73	550-0282
47	Starter, 1966-'82 FL With Prestolite Starter Black	31458-66	550-0283
48	Starter, 1966-82 FL, xl with Prestolite Starter Chrome	31458-66	550-0284
49	Relay, Starter, 1991-'08 Touring, 1995-'99 Dyna & Softail, 1993-'04 xl	31504-91A, 31504-91B	550-0396

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ALTERNATOR AND REGULATOR FOR HARLEY-DAVIDSON SPORTSTER MODELS

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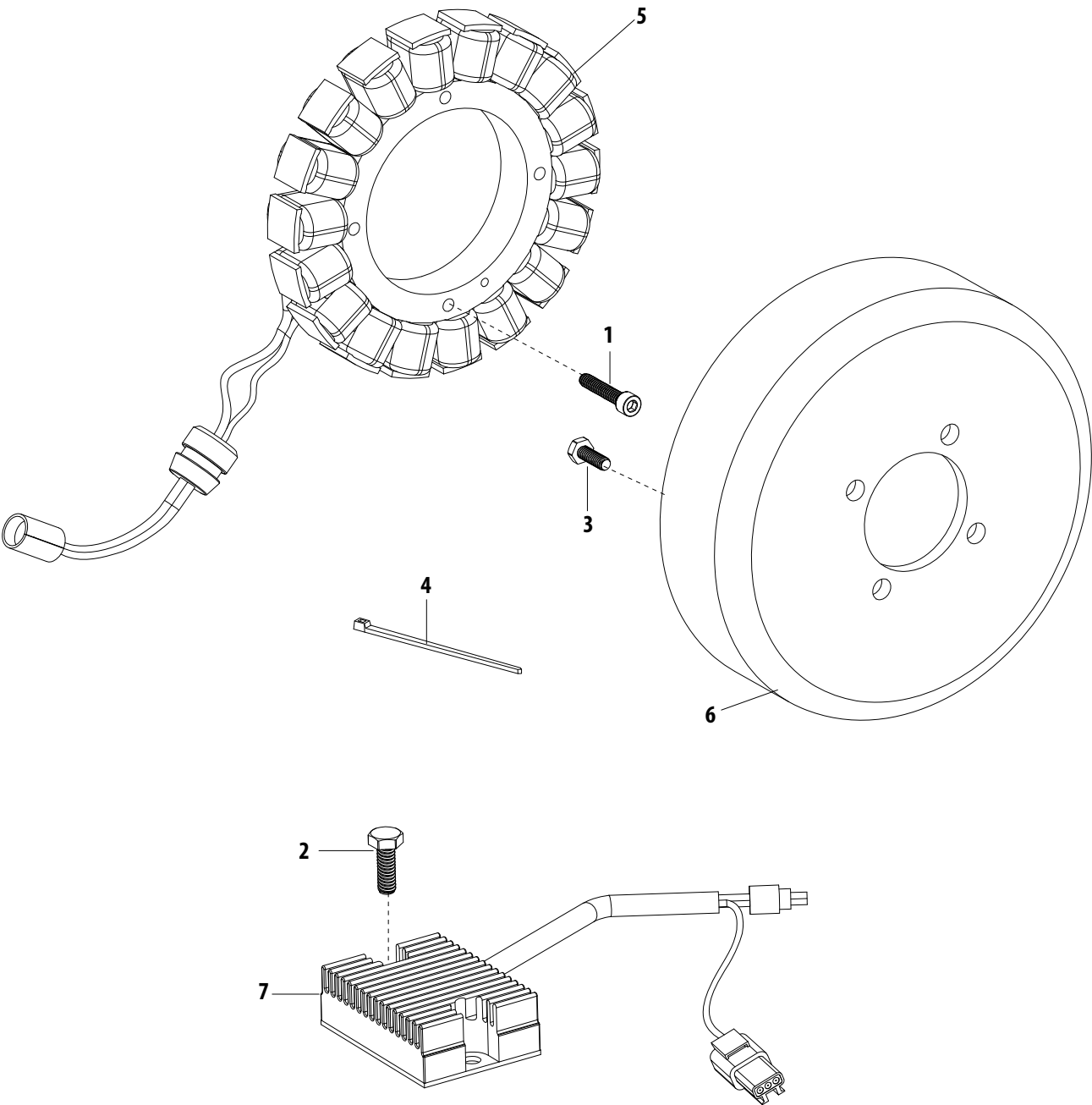
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#	Description	H-D Part No.	VVT Part No.
1	Screw, SHCS, 10-24 x 1", Alloy Steel <i>each</i>	2720	50-0044
2	Screw, 1/4-20 x 3/4 hex. washer hd.	4329	—
3	Screw, 1/4-20 x 3/4 hex. hd. (w/lockpatch)	4751	—
4	Wire, Tie, 8", Black, Nylon	10006, 10065	50-8346-S
5	Stator 1991-'06 xl	29967-89	550-0359
	Stator 2007-'13 xl	29970-88	550-0358
6	Rotor w/#3	32403-89A	—
7	Regulator L1984-'90 xl black	29987-97	550-0325
7	Regulator 1991 xl black	29957-81B	550-0361
7	Regulator 1992-'93 xl black	74512-86, 74513-82A, 74513-85, 74515-86, 74516-86	550-0335
7	Regulator 1994-'03 xl black	74519-88A, 74519-99	550-0340
7	Regulator 2004-'06 xl chrome	29965-81A	550-0357
7	Regulator 2007-'13 xl	74505-95	550-0319

NOT DIRECT SERVICE PARTS (SOLD AS ASSEMBLIES) *Note: These products are compatible services as assemblies.*

#	Description	VVT Part No.
	Complete Charging System L1984-'90 xl	550-0298
	Complete Charging System 1991-'93 xl	550-0300
	Complete Charging System 1994-'03 xl	550-0301
	Complete Charging System 2007-'08 883	550-0302
	Complete Charging System 2007-'08 1200	550-0303
	Complete charging System 2009-'13 883	550-0304
	Complete Charging System 2008 XR 1200 2009-'13 ALL 1200	550-0305
5	Stator 1985-'90 Sporster	550-0364
6	Rotor 2004-2013 883 Sportster (34 tooth sprocket)	550-0368

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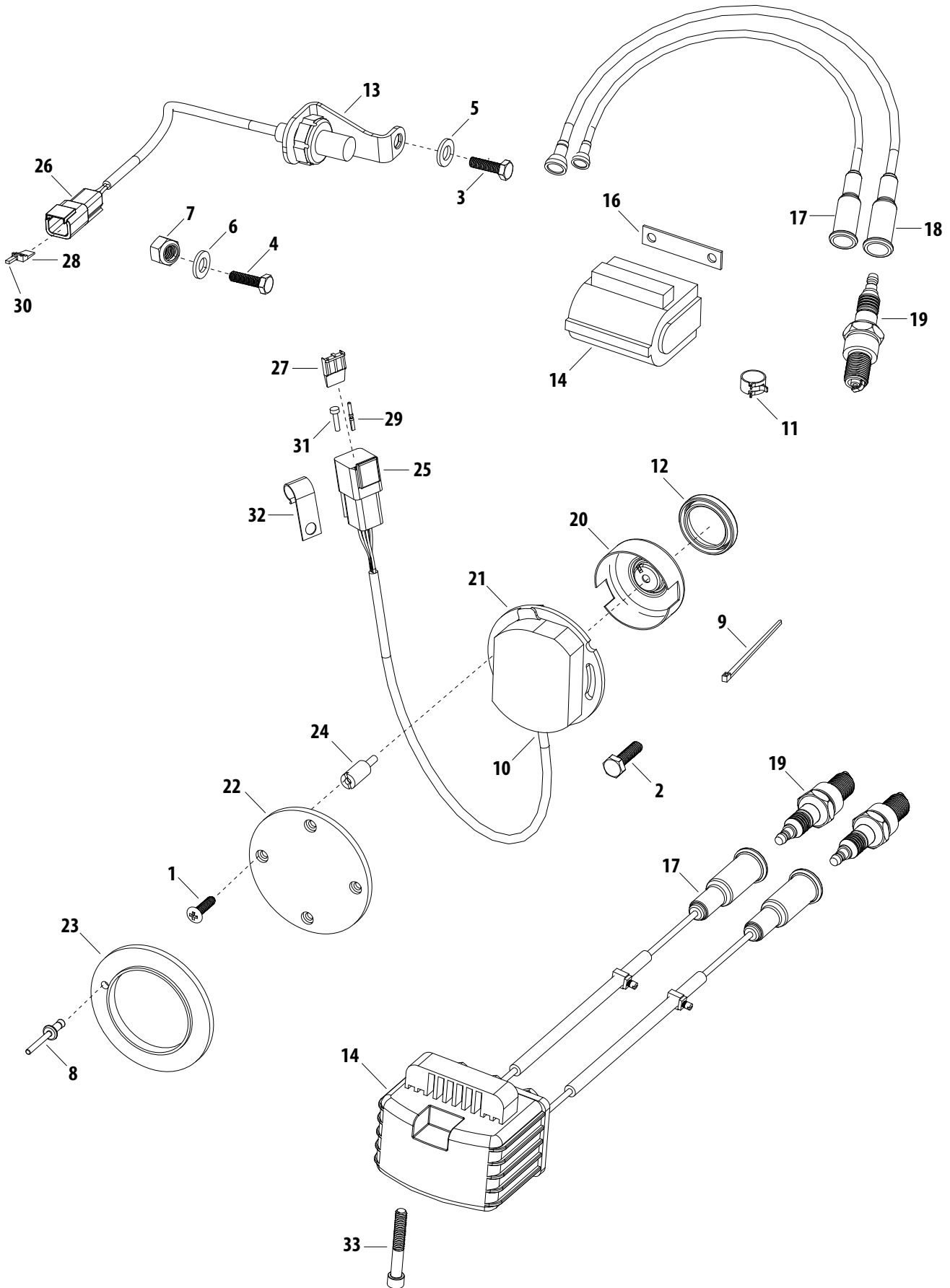
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#	Description	H-D Part No.	VVT Part No.
1	Screw, No. 8-32 x 1/2 Pozidriv flat ctsk. hd. (Grade 2 steel)	1601	—
2	Bolt, No. 10-32 x 3/4 hex. washer hd. (Grade 5 steel)	2611B	—
3	Bolt, 5/16-18 x 3/4 hex. hd.(Grade 5 steel)	3987	—
4	Bolt, 1/4-20 x 1-1/4 hex. hd.(Grade 5 steel)	3993	—
5	Washer, 5/16 x 11/16 x 1/16	6702	—
6	Lockwasher, 1/4	7036	—
7	Locknut, 5/16-18 x 9/32 x 1/2 Hex.	7531	—
8	Pop Rivet (2)	8699	—
9	Cable Strap	10039	—
10	Wire, Tie, 8", Black, Nylon	10006, 10065	50-8346-S
11	Clip	10108	—
12	Seal, Gearcover Cam, 1.125" x 1.561" x .250", 1971-up xl	11124	31-4051
13	Vacuum Switch, With Electrical Connector Assembly	26558-94	—
14	Ignition Coil , Dual Fire		550-0500
	Coil, Ignition, Single Fire	31655-99	55-1576
	Coil, Ignition, EFI, 2007-'14 xl	31656-07	550-0423
15	Bracket, Ignition Coil Mounting	31723-95	—
16	Plate, Ignition Coil Mounting	31727-85	—
17	Cable, Spark Plug 1986 xl	31986-86	—
	Cable, Spark Plug For 2004-2006 (2)	31996-04	—
18	Cable, Spark Plug - 20" (Front) <i>See chart for spark plug wire options</i>	31996-86A	—
19	Spark Plug, Resistor, 12mm <i>each</i>	32317-86A, 32362-04	55-1320
	Spark Plug, Resistor, 12mm <i>2 Pack</i>		55-1322
20	Ignition Trigger Rotor	32401-80	55-1247
21	Ignition Module, Integrated Sensor	32465-98	—
	Sensor, Cam Position, 1980-'94 xl <i>See chart for ignition options</i>	32400-80A, 62400-80A	550-0410
	Sensor, Cam Position, 1998-'03 xl 1200S	32400-94	550-0412
22	Inner Cover	32504-80	—
23	Cover, Timer	32506-90	—
24	Screw, Timing Mechanism, Steel <i>each</i>	32606-82	31-0224
	Screw, Timing Mechanism, Steel <i>2 Pack</i>		31-0224P
25	Connector 6-Way (Black)	72106-94BK	—
26	Connector 2-Way (Black)	72112-94BK	—
27	Secoanary Lock, 6-Pin	72146-94	—
28	Secoanary Lock, 2-Pin	72152-94	—
29	Terminal, Pin (5)	72190-94	—
30	Terminal, Socket (2)	72191-94	—
31	Pin Seal	72195-94	—
32	Attachment Clip	72199-94	—
33	Screw, SHCS, 1/4-20 x 1-3/4", Zinc	3480A, 891, 4810	50-0010-S

NOT DIRECT SERVICE PARTS (SOLD AS ASSEMBLIES) *Note: These products are compatible services as assemblies.*

#	Description	VVT Part No.
17	Wire Set, Spark Plug, 86-06 XL	550-0509
	Wire Set, Spark Plug, 98-03 Sportster Sport w/twin plugs	550-0514
	Wire Set, Spark Plug, 04-06 XL	550-0517
	Wire Set, Spark Plug, 07-12 XL	550-0519
	Wire Set, Spark Plug, 09-12 XR1200	550-0521
21	Ignition, HI-4N, 70-99 bt, non efi, 71-02 XL models	550-0501
	Ignition, Kit, HI-4N, 70-99 bt, non efi, 71-02 XL models includes Single Fire Coil and Universal Plug Wires	550-0502

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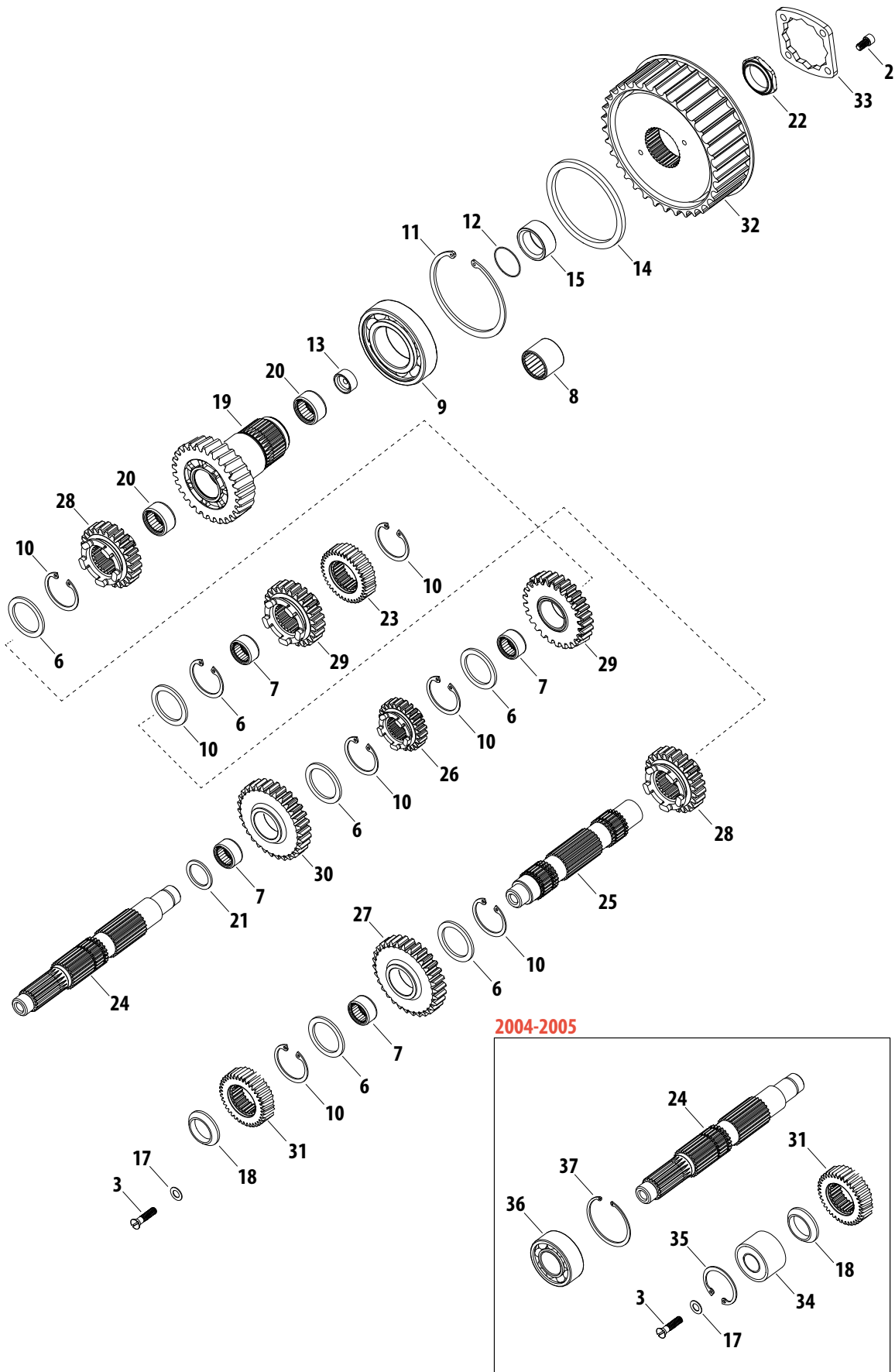
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#	Description	H-D Part No.	VVT Part No.
1	Screw,SHCS,1/4-20 x 1-3/4",Zinc	3480A, 891, 4810	50-0010-S
2	Screw, 1/4-20 x 5/8 Knurled Socket Hd.	3594	50-0071
3	Screw, 5/16-18 x 1 Torx Hd Lock (Grade 8 Steel)	3675	—
4	Screw, 1/4-20 x 2 Hex. Socket	4820A	—
5	Screw, 1/4-20 x 2-1/2 Hex. Socket Hd. (w/Washer)	4826	—
6	Thrust Washer (6)	6003	560-0211
7	Bearing (4)	8876A	560-0236
8	Bearing,Needle,Transmission Countershaft,1984-'99 bt Left Hand,1991-2003 xl03 xl	8977	56-3031
9	Bearing, Ball, Transmission Mainshaft, 10 Balls,45mm x 85mm x 19mm	8996A	56-1280
10	Retaining Ring (7)	11067	560-0212
11	Retaining Ring,Internal,3.734" x .109",Carbon Steel,SAE 1060-1090	11161, 11599	50-8051
12	O-ring,Quad Seal,(-031),1.734" X 1.875",Black,Nitrile	11165	50-8045
13	Oil Seal	12030	—
14	Seal,Transmission Output Shaft,2.255" x 3.388" x .250,1994-'99 bt, 1995-'03 xl	12067B	56-3033
15	Spacer	33344-94	560-0196
16	Sprocket Cover	34911-91A	—
	Sprocket Cover	34932-96	—
	Sprocket Cover	34938-98	—
17	Retainer, Countershaft	35020-89	—
18	Spacer 1986-2003 xl	35022-89A	—
	Spacer 2004-2005 xl	35133-04	—
19	Gear Assembly W/#13 & 20, Fifth-Mainshaft	35034-94	—
20	Bearing, Needle (2)	35051-89	560-0215
21	Spacer	35063-89	—
22	Nut, Sprocket	35211-91A	560-0224
23	Gear, Fifth-Countershaft	35633-94	—
24	Mainshaft	35640-89	—
25	Countershaft	35641-89	—
26	Gear, First-Mainshaft	35762-89A	—
27	Gear, First-Countershaft	35763-89A	—
28	Gear, Second-Mainshaft, Third-Countershaft (2)	35771-94	—
29	Gear, Third-Mainshaft, Second-Countershaft (2)	35772-94	—
30	Gear, Fourth-Mainshaft	35773-94	—
31	Gear, Fourth-Countershaft	35775-94	—
32	Sprocket Kit -29T. (Belt) w/#2, 14, 15, 16, 22, & 33	40202-91B	—
	Sprocket -29T. (Belt)	40205-95	—
	Sprocket Kit -27T. (Belt) w/#2, 14, 15, 16, 22, & 33	40285-91B	—
	Sprocket -27T. (Belt)	40288-95	—
33	Retention Plate	40251-92A	560-0235
34	Bearing 2004-2005 xl	8968	—
35	Retaining Ring,Internal,2.054" x .062",Carbon Steel,SAE 1060-1090	35021-89	50-8053
36	Bearing,Ball,20mm x 47mm x 14mm,1991-2003 xl	35030-89, 35030-89A	56-3027
37	Retaining Ring For 2004-2005 xl	35038-89A	—

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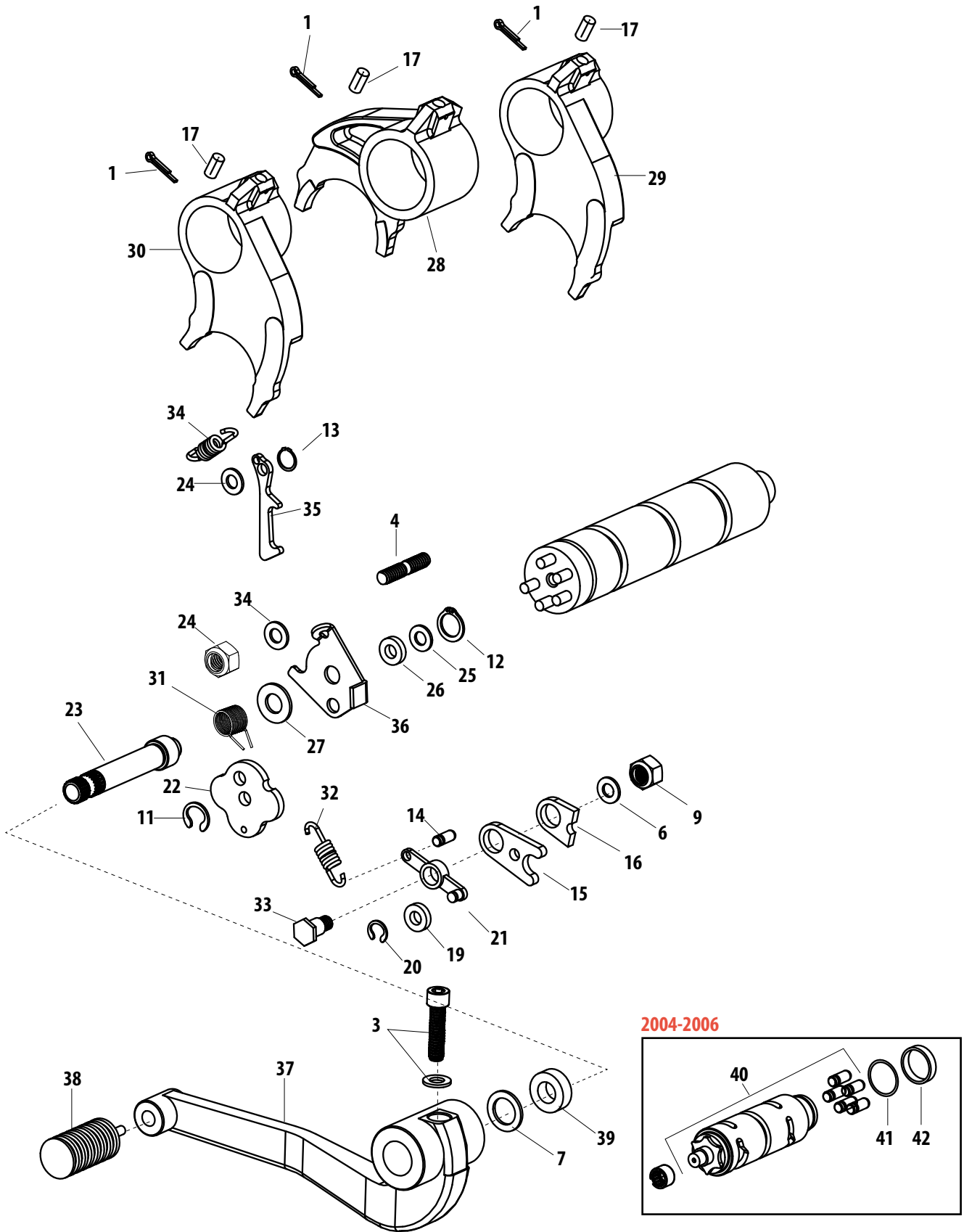
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#		H-D Part No.	VVT Part No.
1	Cotter Pin (3)	518	—
2	Roll Pin	601	—
3	Screw, 1/4-20 x 1 Hex. Socket Hd.(W/Lockpatch) <i>each</i>	852	50-0084
4	Stud,Shifter Shaft,1/4-20, 1/4-28 x 1.250" (2)	5226B	50-8080
5	Washer,Flat,.344" x .688" x .065",Zinc,Steel	6320, 70907-07, 6016, 6702	50-7034
6	Washer, 1/4 x 7/16 x 1/16	6099	—
7	Washer, 1/2 x 3/4 x 1/4 (Rubber)	7019	—
8	Locknut, 1/4-28 x 5/16 x 7/16 Hex.	7683	—
9	Locknut, 5/16-18 x 11/32 x 1/2 Hex.	7739	—
10	Bearing,Transmission Shift Drum,1991-2003 xl, Right Hand	9151	56-3032
11	Retaining Ring	11019	—
12	Retaining Ring	11031	—
13	Retaining Ring	11185	—
14	Pin, Spring	24530-90	—
15	Plate, Shift Drum	33178-98	—
16	Plate, Shift Drum	33204-98	—
17	Roller (3)	33319-90	—
18	Shifter Drum Assembly, w/#2	33634-91	—
19	Roller, Detent	33652-90	—
20	Retaining Ring	33653-90	—
21	Detent Arm	33655-90	—
22	Plate, Detent	33656-90	—
23	Shifter Shaft	34015-91	—
24	Spacer, Pawl	34073-91	—
25	Washer	34075-89	—
26	Bushing	34076-89	—
27	Washer	34077-91	—
28	Shifter Fork, First & Second	34142-89C	—
29	Shifter Fork, Third & Fifth	34144-89C	—
30	Shifter Fork, Fourth	34147-89C	—
31	Spring	34481-91A	—
32	Spring	34483-90	—
33	Screw, Detent Arm	34486-90	—
34	Spring	34491-91	—
35	Shifter Pawl	34492-91	—
36	Baseplate	34560-91	—
37	Shift Lever, Foot (Chrome)	34615-94	—
38	Shifter Peg	34611-65	—
39	Oil Seal	37101-84	—
40	Shifter Cam Assembly	33634-02A	—
	Switch, Neutral (Not Illustrated)	33900-99	—
41	Ring, Retaining	11360	—
42	Bushing,Shifter Drum,1.218" x 1.407" x .375",Bronze,1991-2003 xl	9187	56-3030

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BELTS, CHAINS & SPROCKETS FOR HARLEY-DAVIDSON SPORTSTER MODELS

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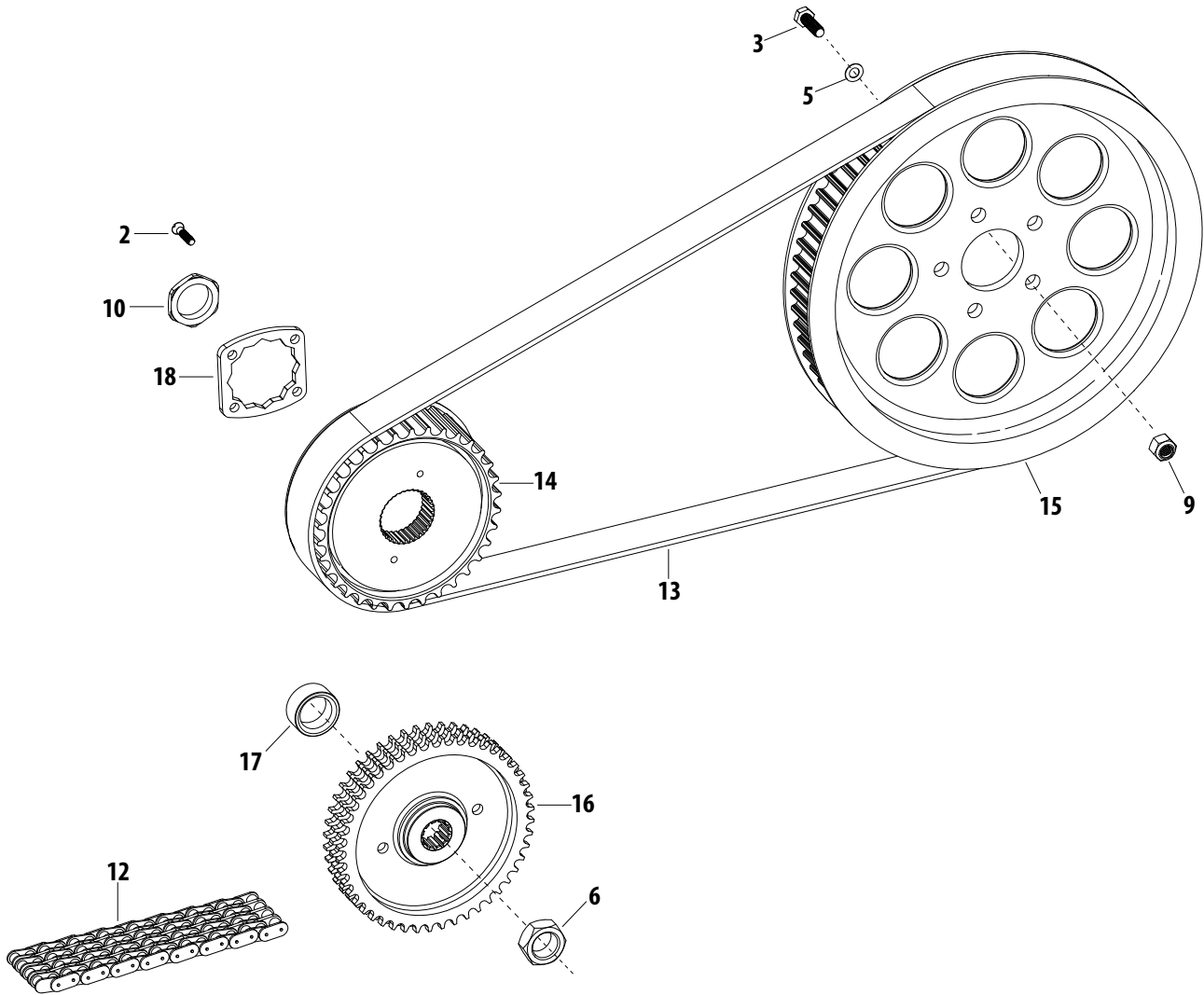
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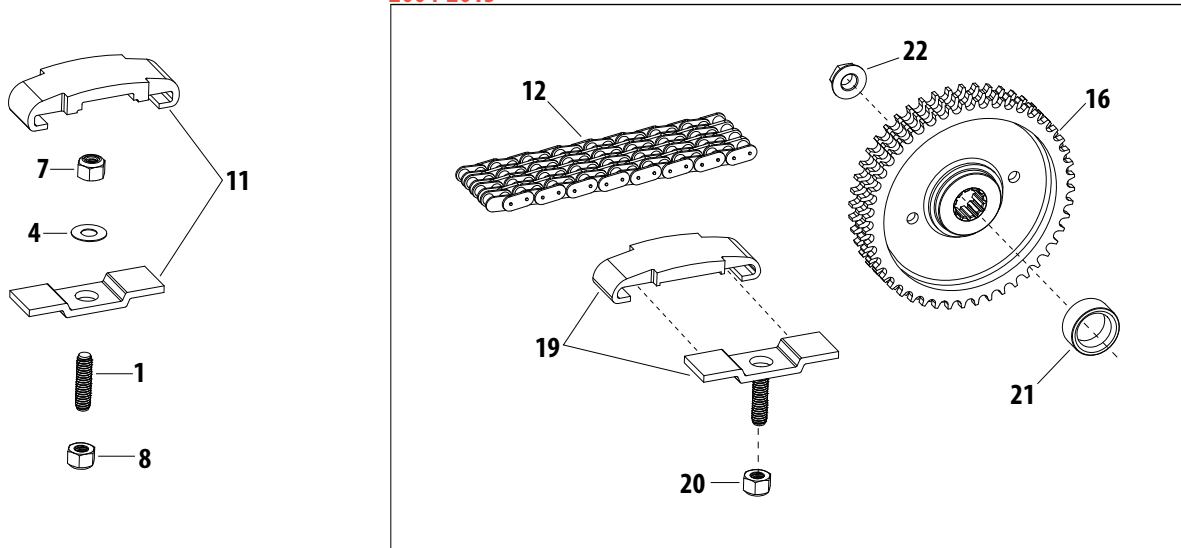
#	Description	H-D Part No.	VVT Part No.
1	Screw, Adjuster	3242A	—
2	Screw, 1/4-20 x 5/8 Knurled Socket Hd.	3594	50-0071
3	Bolt, 7/16-14 x 1-3/4 Hex. Hd.	3730A	—
4	Spacer	5784	—
5	Washer, 7/16 x 1-1/8 x 1/8	6516HW	—
6	Nut, Engine Sprocket	7839	—
7	Locknut	7667	—
8	Nut, Sealing	7804	—
9	Locknut, Laced Wheel (5)	7827W	—
10	Nut, Transmission Sprocket	35211-91A	560-0224
11	Shoe Assembly	39970-91	—
12	Primary Chain 1986-2015 xl	40005-57B	—
13	Belt 128T <i>See chart for belt options</i>	40022-91	—
14	Sprocket Kit, Transmission -29T (Belt) w/#2, 10, 18, Seal And Spacer 99 To *-1200/C/S	40202-91B	—
	Sprocket Kit, Transmission -27T (Belt) w/#2, 10, 18, Seal And Spacer 99 To *-Sto/Hug/883C	40285-91B	—
	Sprocket, Transmission -29T 99 To *-1200/C/S	40205-95	—
	Sprocket, Transmission -27T	40288-95	—
15	Sprocket, Rear Wheel -61 T (Belt) (Black)	40213-91	—
	Sprocket, Rear Wheel -61T (Belt)(Silver)	40227-93	—
16	Engine Sprocket -35T	40235-89	—
	Sprocket, Triple Row - 34T (883cc) 2004- 2015	40241-02	—
17	Spacer, Sprocket	40240-89	—
18	Lock Plate	40251-92A	560-0235
19	Chain Adjuster Assembly 2004-2015	40039-02B	—
20	Nut, 1/2-13 x 15/32 x 7/8 (Sealing) 2004-2015	7804	—
21	Spacer, Sprocket 2004-2015	40240-89	—
22	Flange Nut, 3/4-16 x 21/32 (Grade 2) 2004-2015	16602-30	—

GATES CARBON FIBER X3N SECONDARY DRIVE BELTS (14MM PITCH)		
Teeth	1 1/8" Wide	1 1/2" Wide
125	106-0357	—
126	—	106-0348
127	—	106-0349
128	106-0358	106-0350
130	106-0359	106-0351
132	106-0360	106-0352
133	106-0361	106-0353
135	106-0362	106-0354
136	—	106-0355
139	106-0363	106-0356
149	106-1338	—
156	—	106-2827

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GASKET KITS

#	Description	H-D Part No.	VVT Part No.
1	Gasket, Kit, Engine, Complete, Rebuild, 900, 1957-'91 xl	17026-71	310-0528
	Gasket, Kit, Engine, Complete, Rebuild, 1000, 1972-E73 xl	17026-72	310-0529
	Gasket, Kit, Engine, Complete, Rebuild, 1000, 1973-'76 xl	17026-73L	310-0530
	Gasket, Kit, Engine, Complete, Rebuild, 1000, 1977-'85 xl	17026-79	310-0531
2	Gasket, Kit, Top End, Rebuild, 900, 1957-'91 xl	17030-57	900-0763
	Gasket, Kit, Top End, Rebuild, 1000, 1972-E73 xl	17030-72	900-0764
	Gasket, Kit, Top End, Rebuild, 1000, 1973-'76 xl	17030-72AL	900-0765
	Gasket, Kit, Top End, Rebuild, 1000, 1977-'85 xl	17030-72B	900-0766

CLUTCH SERVICE

#	Description	H-D Part No.	VVT Part No.
1	Plate, Set, Friction, 1957-'70 xl	37985-52A0	560-0130
	Plate, Set, Clutch Steels, 1957-'70 xl	37992-52	560-0131
	Plate, Set, Friction, 1971-'83 xl	37985-71	560-0132
	Plate, Set, Clutch Steels, 1971-'83 xl	37992-71	560-0133
	Plate, Set, Friction, 1984-'90 xl	36788-84	560-0134
	Plate, Set, Clutch Steels, 1984-'90 xl	36787-84	560-0135

STARTING SYSTEM

#	Description	H-D Part No.	VVT Part No.
1	Starter, 1974-'88 BT, xlh Hitachi-type chrome	31570-73	550-0281
	Starter, 1974-'88 BT, xlh Hitachi-type black	31570-73	550-0282
2	Starter Clutch, 1967-'80 xl, 1965-'88 bt	31443-65A	550-0374
	1981-'90 xl starter drive	31567-81	550-0402
3	1965-'84 BT starter solenoid zinc single bracket 4 sp	71469-65B	550-0389
4	1973-'79, 1984, 1985 fx, 1974-'79, 1984-'85 FL starter relay, 1975-'79 xl	71463-73A	550-0391

IGNITION SYSTEM

#	Description	H-D Part No.	VVT Part No.
1	Points and condenser kit 1971-'78 xl		550-0394
2	Points 1971-'78 xl	32661-70	550-0392
3	Condenser 1971-'78 xl	32726-30A, 30801-47	550-0393
4	Coil, Ignition, dual fire, 5 ohm 1971-'79 xl	31609-65A	550-0421
5	Coil, Ignition, dual fire, 3 ohm 1980-'86 xl	31609-80	550-0422
	Ignition, Advance unit, mechanical, High Performance		560-0148
6	Ignition, HI-4N, 70-99 bt, non efi, 71-02 XL models		550-0501
	Ignition, Kit, HI-4N, 70-99 bt, non efi, 71-02 XL models includes Single Fire Coil and Universal Plug Wires		550-0502

LUBRICANTS

#	Description	VVT Part No.
#	S&S 20w50 Premium Synthetic Engine Oil	310-0285
	S&S 20w50 Heavy Duty Engine Oil	310-0287
	S&S Petroleum 25w60 Engine Oil	310-0289
	S&S 85w Extreme Duty Primary Oil	310-0290

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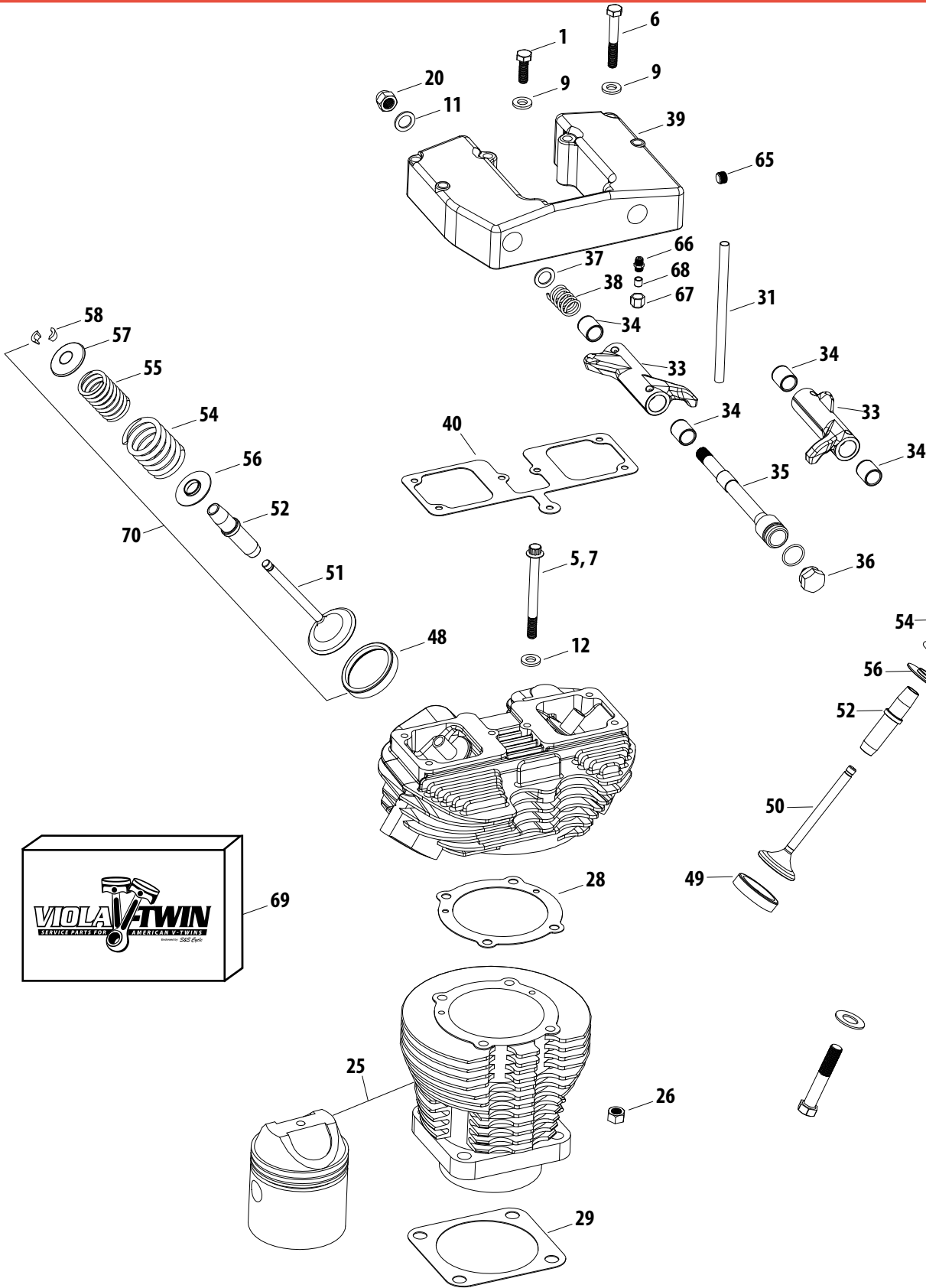
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#	Description	H-D Part No.	VVT Part No.
1	Bolt, 5/16-24 x 1 1/8" hex	4012	
2	Bolt, 5/16-24 x 1" hex	4017	
3	Bolt, 3/8-24 x 1 1/8" hex	4336W	
4	Bolt, 7/16-20 x 7/8" hex	4618W	
5	Bolt, 7/16-20 x 3 1/2 12 pt	4709	
6	Bolt, 5/16-24 x 2 1/4" hex	4710	
7	Bolt, 7/16-20 x 2-21/32" hex	4714W	
8	Bolt, 7/16-20 x 1 1/2" hex	4726	
9	Washer, 5/16" x 5/8" x 1/16"	6316HW	
10	Washer 3/8" x 1 1/8" x 1/8"	6417W	
11	Washer 7/16" x 1/4" x 1/64"	6466W	
12	Washer 7/16" x 1/4" x 1/8"	6469 HW	
13	Washer 29/64" X 15/16" x 1/8"	6495HW	
14	Washer 29/64" X 1 1/8" x 3/32"	6521W	
15	Washer 29/64" X 1 1/8" x 5/32"	6522HB	
16	Washer 29/64" X 1 1/8" x 1/32"	6524W	
17	Washer 11/16" x 29/32" x 1/32"	6762B	
18	Locknut, 3/8-24 x 7/16" x 9/16" hex	7775	
19	Locknut, 7/16-20 x 7/16" x 5/8" hex	7825	
20	Acorn Nut, 7/16-20	7872	
21	O-ring, Tappet Guide	11100	
22	O-ring, Rocker Arm Shaft	11101	
23	Bracket, Motor Support 1957-'64 xl, xlh	16250-57	
24	Bracket, Motor Support 1958-up xlch, 1965-up xl, xlh	16251-58	
25	Front Cylinder and Piston, 1970-'71 xl	16464-70	
	Front Cylinder and Piston, 1972-E73 xl	16464-72	
	Front Cylinder and Piston, L1973-'76 xl	16464-73	
	Rear Cylinder and Piston, 1970-'71 xl	16465-70	
	Rear Cylinder and Piston, 1972-E73 xl	16465-72	
	Rear Cylinder and Piston, L1973-'73 xl	16465-73	
26	Nut, 3/8-24 x 1/2" x 9/16" hex	16603-72	
27	Front Cylinder Head 1970 xl	16673-70	
	Front Cylinder Head 1971 xl	16673-71	
	Front Cylinder Head 1972-E73 xl	16673-72	
	Front Cylinder Head L1973-76 xl	16673-73	
	Rear Cylinder Head 1970 xl	16674-70	
	Rear Cylinder Head 1971 xl	16674-71	
	Rear Cylinder Head 1972-E73 xl	16674-72	
	Rear Cylinder Head L1973-'76 xl	16674-73	
28	Head Gasket, 1957-'71 xl	16769-57	
	Head Gasket, 1972-E73 xl	16769-72A	
	Head Gasket, L1973-'76 xl	16769-73	
29	Base Gasket, xl 900	16774-57	
	Base Gasket xl 1000	16774-72	
30	Bolt Motor Bracket	16865-52	
31	Oil line	17324-57	
32	Rocker Arm, Front Exhaust	17394-57A	
	Rocker Arm, Rear Exhaust	17395-57A	
33	Rocker Arm, Front Intake	17396-57A	
	Rocker Arm, Rear Intake	17397-57A	
34	Bushing, Rocker Arm <i>8 pack</i>	17428-57	900-0736
35	Shaft, Rocker Arm	17435-57A	
36	Screw, Rocker Arm Shaft End 1957-E71	17448-57	
	Screw, Rocker Arm Shaft End L1971-'76	17448-71	
37	Spacer, Tocker Arm	17451-57	

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CYLINDER, HEAD & VALVE SERVICE PARTS 1955-1986 HARLEY-DAVIDSON SPORTSTER MODELS

#	Description	H-D Part No.	VVT Part No.
38	Spring, Rocker Arm	17483-57	-
39	Rocker Arm Cover, Front 1957-'70	17514-57	-
	Rocker Arm Cover, Front 1971-	17514-71	-
	Rocker Arm Cover, Rear 1957-'70	17515-59	-
	Rocker arm Cover, Rear 1971-	17515-71	-
40	Gasket, Rocker Arm Cover	17536-70	-
41	Pushrod	17904-57	-
42	Cover, Pushrod, Upper	17935-48B	-
43	Cover, Pushrod, Lower	17937-57B	-
44	Spring Retainer, Pushrod	17945-36B	-
45	Spring, Pushrod Cover	17947-36	-
46	Spring Keeper, Pushrod Cover	17950-48	-
47	Cork Washer, Pushrod Cover	17955-36	-
48	Insert, Exhaust valve seat	18052-58	-
	Seat, Exhaust, Valve, 1957-'83 xl		900-0735
49	Insert, Intake valve seat	18055-70	-
	Seat, Intake, Valve, 1957-'83 xl		900-0734
50	Intake Valve, 1958-'69 xl	18070-58, 18071-58	900-0726
	Intake Valve 1970-1983	18070-70	900-0728
51	Exhaust Valve, 1957-69	18080-58R	900-0727
	Valve, Exhaust, 1970-'83 xl	18080-58A	900-0729
52	Valve Guide, Exhaust, Standard	18070-57	-
	Valve Guide, Exhaust, .001"	18071-57	-
	Valve Guide, Exhaust, .002"	18172-57A	900-0732
	Valve Guide, Exhaust, +.010", 1957-'83 xl		900-0733
53	Valve Guide, Intake, Standard	18176-57A	-
	Valve Guide, Intake, .001"	18179-57B	900-0730
	Valve Guide, Intake, .002"	18180-57A	-
	Valve Guide, Intake, +.010", 1957-'83 xl		900-0731
54	Valve Spring, Outer	18203-57A	-
55	Valve Spring, Outer	18204-57A	-
	Spring, Set, Valve, 1957-'83 xl, 4 Pack	18204-57A, 18203-57A	900-0724
56	Collar, Valve Spring, Lower, 4 pack	18220-57	900-0725
57	Collar, Valve Spring, Upper, 4 pack	18221-57B	900-0722
58	Valve Keeper, Kit, 1957-'83 xl, 8 Pack	18228-30	900-0723
59	Tappet Assembly, complet w/screw and nut	18490-29	-
60	Tappet Assembly, complet w/o screw and nut	18508-52	-
61	Tappet Roller Kit	18534-29A	-
62	Tappet Screw and Nut	18554-57	-
63	Nut, Tappet Screw	18570-38	-
64	Tappet Guide	18607-57A	-
65	Plug, Rocker Arm Cover	45830-48	-
66	Connector, Oil Line	63526-57	-
67	Nut, Oil line	63572-57	-
68	Rubber Sleeve, Oil line	63529-57	-
69	Top End Gasket Kit		-
	Complete Engine Gasket Kit		-
70	Spring, Kit, Valve, OEM, 1957-'83 xl		900-0721

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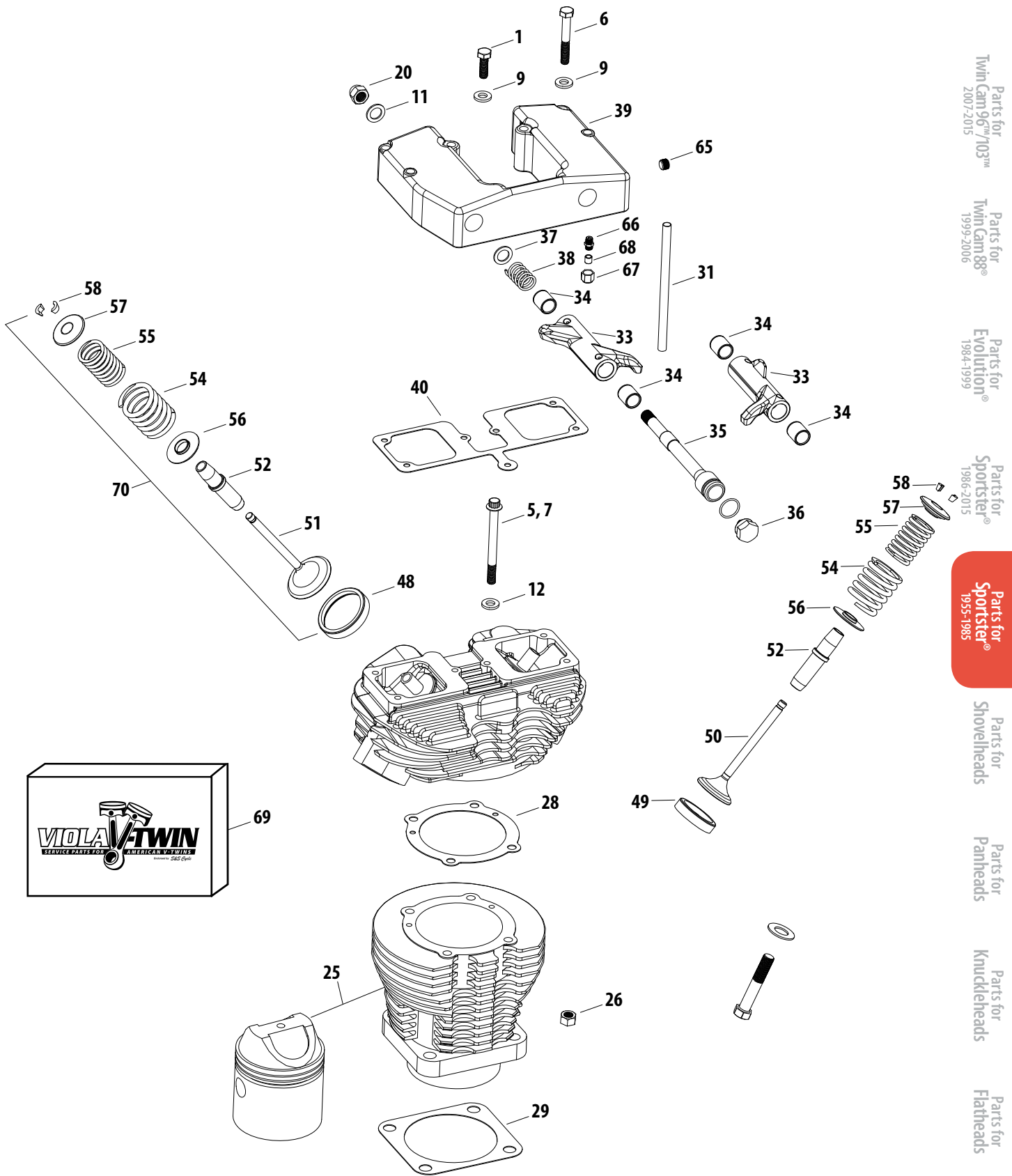
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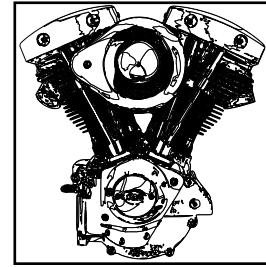
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HARLEY-DAVIDSON SHOVELHEAD MODELS



Crate Engines	VVT Part No.
Engine, Assembled, SH80, Natural w/ Black	31-9851

GASKET KITS

#	Description	H-D Part No.	VVT Part No.
	Gasket Kit, Complete, Stock Bore, 1966-'69 shovelhead FL, FLH	17029-66X	310-0419
	Gasket Kit, Complete, Stock Bore, 1970-'84 shovelhead 4 spd	17029-70A	310-0420
	Gasket Kit, Complete, Stock Bore, 1980-'84 shovelhead 5 spd	17029-80	310-0421
	Gasket Kit, Top End, Stock Bore, shovelhead 1966-'84	17034-66X	900-0588

PRIMARY HOUSING

#	Description	H-D Part No.	VVT Part No.
	Gasket, Kit, Primary, Rebuild, 1980-'93 FLT, FLHT, FXR		560-0042
	Gasket, Kit, Primary, Rebuild, 1965-'88 FXST, FX, FL 4 Spd		560-0043
	Gasket, Outer, Primary Cover, 1965-'88 FXST, FX, FL 4 Spd, 5 Pack	60538-81C	560-0058
	Gasket, Outer, Primary Cover, 1980-'93 FLT, FXR, 5 Pack	34901-79A	560-0055
	Gasket, Derby Cover, 1970-'83 FL, FXR, 5 Pack	25416-70	560-0065
	Gasket, Inspection Cover, 1980-'84 FXR, FLT, 5 Pack	34906-79A	560-0067
	Gasket, Inspection Cover, 1965-'06 Softail 4/5 Spd, 1989-'05 Dyna, 5 Pack	60567-65B	560-0073
	Lock Tab, Inner, Primary Cover, 1980-'86 bt, 10 Pack	7402	560-0113

CLUTCH SERVICE

#	Description	H-D Part No.	VVT Part No.
	Plate, Set, Friction, 1941-'67 bt	37930-68A	560-0120
	Plate, Set, Clutch Steels, w/ Silencer, 1941-'67 bt	37975-41, 37975-81	560-0121
	Plate, Set, Friction, 1967-'83 bt	37930-68A	560-0122
	Plate, Set, Clutch Steels, 1967-'83 bt	37975-41, 37975-81	560-0123

STARTING SYSTEM

#	Description	H-D Part No.	VVT Part No.
	Starter Clutch, 1967-'80 xl, 1965-'88 Bt	31443-65A	550-0374
	Starter, 74-88 bt, xlh Hitachi Type Chrome	31570-73	550-0281
	Starter, 74-88 bt, xlh Hitachi Type Black	31570-73	550-0282
	Starter, 66-82 FL with Prestolite Starter Black	31458-66	550-0283
	Starter, 66-82 FL, xl with Prestolite Starter Chrome	31458-66	550-0284
	Solenoid, Starter, Single Bracket, 4 Spd, Zinc, 1965-'84 bt	71469-65B	550-0389
	Solenoid, Starter, Dual Bracket, 5 Spd, Zinc, 1965-'84 bt	31489-79B	550-0390
	Relay, Starter, 73-79, 84-85 FX, 74-79, 84-85 FL, 75-79 xl	71463-73A	550-0391

IGNITION SYSTEM

#	Description	H-D Part No.	VVT Part No.
	Coil, Ignition, Dual Fire, Points, 5 ohm, 1965-'79 bt	31609-65A	550-0421
	Coil, Ignition, Dual Fire, 4 ohm, 1980-'E84 bt	31609-80	550-0422
	Ignition Advance Unit, Mechanical, High Performance		560-0148
	Points, 1970-'78 FLH, FX	32661-70	550-0392
	Condenser, 1970-'78 FLH, FX	32726-30A, 30801-47	550-0393
	Points and Condenser, Kit, 1970-'78 FLH, FX		550-0394
	Wire Set, Spark Plug, Accel 65-84 BT FLT FLHT FLHTC FLTC		550-0506
	Ignition, HI-4N, 70-99 bt, non efi, 71-02 XL models		550-0501
	Ignition, Kit, HI-4N, 70-99 bt, non EFI, 71-02 xl models includes Single Fire Coil and Universal Plug Wires		550-0502

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CIRCUIT BREAKERS

#	Description	H-D Part No.	VVT Part No.
	Circuit Breaker, 30A	74599-77B	550-0414
	Circuit Breaker, Terminated Style, 15A	74589-73A	550-0415
	Circuit Breaker, Plug In Style, 15A	74587-94	550-0416
	Circuit Breaker, 40A	74600-97A	550-0417

LUBRICANTS

#	Description	VVT Part No.
	S&S 20w50 Premium Synthetic Engine Oil	310-0285
	S&S 20w50 Heavy Duty Engine Oil	310-0287
	S&S Petroleum 25w60 Engine Oil	310-0289
	S&S 75w140 Premium Synthetic Transmission Oil	310-0292
	S&S 85w140 Heavy Duty Transmission Oil	310-0291
	S&S 85w Extreme Duty Primary Oil	310-0290

OIL FILTERS

#	Description	H-D Part No.	VVT Part No.
	58-82 BT models with in tank oil filter	63799-65A, 63840-53, 63826-53	310-0284



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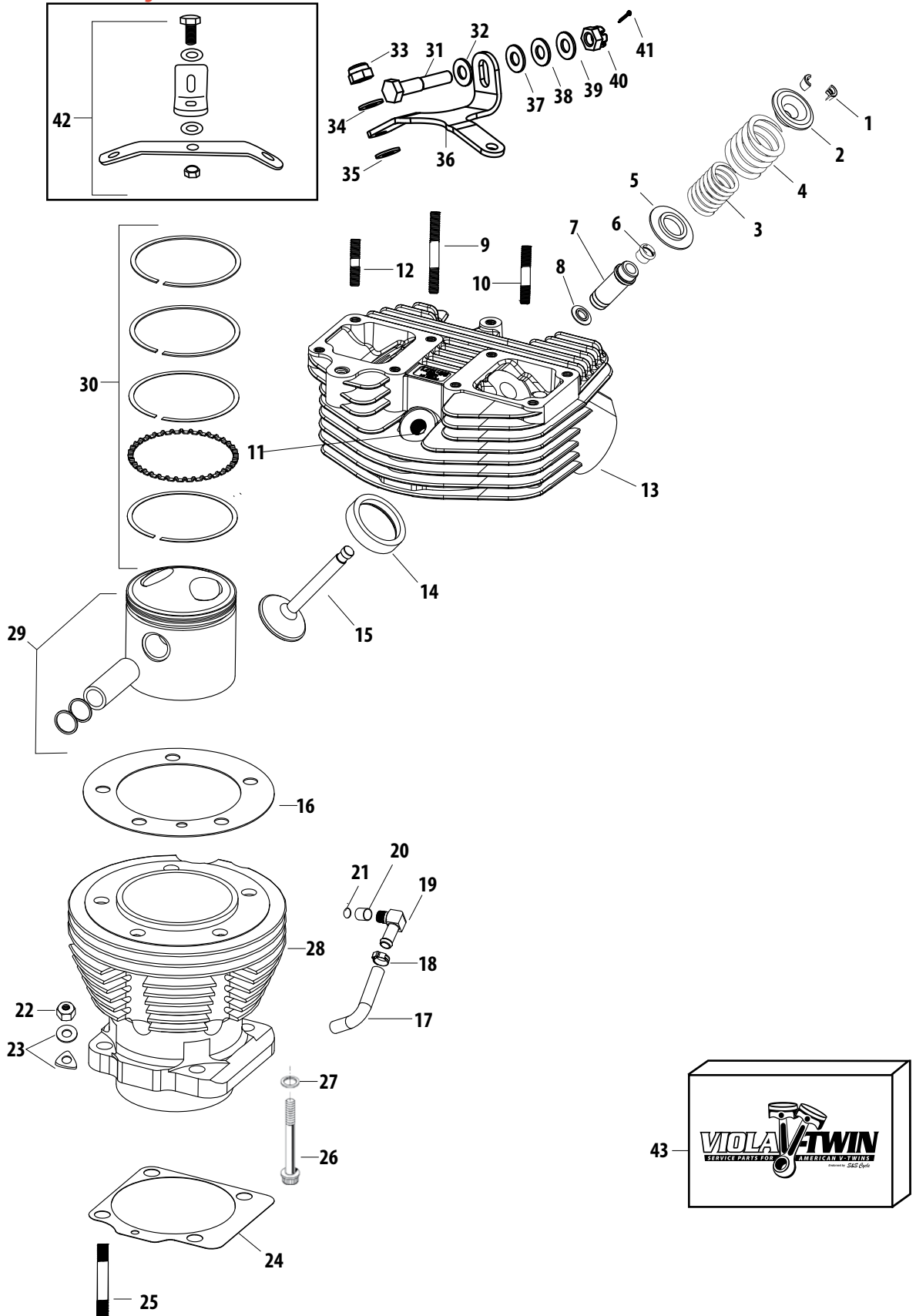
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#	Description	H-D Part No.	VVT Part No.
1	Valve Keeper, 1936-'84 bt See chart for complete Valve Spring Kit	18228-36	90-2037-5
2	Collar, Valve Spring - Upper (2) Late 1981-'84 See chart for complete Valve Spring Kit	18219-81	—
	Collar, Valve Spring - Upper (2) 1966-Early '81 See chart for complete Valve Spring Kit	18221-36	—
3	Valve Spring, Inner (2) 1966-'80 FLH, 1970-'84 See chart for complete Valve Spring Kit	18202-82	—
	Valve Spring, Inner (2) 1966-'69 See chart for complete Valve Spring Kit	18204-36A	—
	Valve Spring Kit, includes Inner & Outer Spring 1966-Early '82 See chart for complete Valve Spring Kit	18205-57	—
4	Valve Spring, Outer (2) 1966-'80 FLH, 1970-'84 See chart for complete Valve Spring Kit	18201-82	—
5	Collar, Valve Spring - Lower (2), 1966-'79 See chart for complete Valve Spring Kit	18222-48	—
	Collar, Valve Spring - Lower (2) 1980 & Early '81 See chart for complete Valve Spring Kit	18222-79	—
	Collar, Bottom, Valve Spring, .550", Steel, 1981-'84 bt See chart for complete Valve Spring Kit	18222-81	90-2038
6	Seal, Valve Guide, L1981-'84 bt <i>each</i>	18000-81	90-2019
	Seal, Valve Guide, L1981-'84 bt <i>8 Pack</i>		90-2157
	Valve Guide, Intake/Exhaust, Standard, Cast Iron, 1980-'84 bt		90-2240
	Valve Guide, Intake/Exhaust, +.060", Cast Iron, 1980-'84 bt		90-2249
7	Valve Guide, Intake/Exhaust, +.001", Cast Iron, 1980-'84 bt	18109-81A	90-2241
	Valve Guide, Intake/Exhaust, +.002", Cast Iron, 1980-'84 bt	18108-81A, 90-2232	90-2242
	Valve Guide, Intake/Exhaust, +.003", Cast Iron, 1980-'84 bt	18107-81A, 90-2233	90-2243
	Valve Guide, Intake/Exhaust, +.004", Cast Iron, 1980-'84 bt	18106-81A, 90-2234	90-2244
	Valve Guide, Intake/Exhaust, +.006", Cast Iron, (2) Late 1981-'84	18104-81A	—
	Valve Guide, Intake/Exhaust, +.008", Cast Iron, (2) Late 1981-'84	18103-81A	—
	Valve Guide, Intake/Exhaust, +.001", Cast Iron, (2) 1966-'79	18138-79A	—
	Valve Guide, Intake/Exhaust, +.002", Cast Iron, (2) 1966-'79	18143-79A	—
	Valve Guide, Intake/Exhaust, +.004", Cast Iron, (2) 1966-'79	18141-79A	—
	Valve Guide, Intake/Exhaust, +.006", Cast Iron, (2) 1966-'79	18140-79A	—
	Valve Guide, Intake/Exhaust, +.008", Cast Iron, (2) 1966-'79	18139-79A	—
	Valve Guide, Intake +.004" (2) 1966-'79	18167-49	—
	Valve Guide, Intake +.008" (2) 1966-'79	18170-49	—
	Valve Guide, Exhaust +.003" (2) 1966-'79	18186-51	—
	Valve Guide, Exhaust +.004" (2) 1966-'79	18187-51	—
	Valve Guide, Exhaust +.008" (2) 1966-'79	18194-51	—
8	Retaining Ring, Cast Iron Valve Guides (4) 1980 & Early '81	18105-79	—
9	Stud, Rocker Arm Cover (long) (8) [(7)-1980 & Later], 1966-'84	17506-66A	—
10	Stud, Rocker Arm Cover (short) [(2) - 1980, 83], 1966-'84	17508-66	—
11	Heli-coil Insert, Spark Plug Hole, 1966-'74	16725-66A	—
12	Stud, Cylinder Head Motor Brace, 1966-'84	16864-48	—
13	Head, Rear Cylinder, 1966-'79 (o-ring style) See chart for complete Cylinder Head Kit	17121-80	—
	Head, Front Cylinder, 1966-'79 (o-ring style) See chart for complete Cylinder Head Kit	17120-80	—
	Head, Front Cylinder, w/Studs (painted), 1979	17130-80	—
	Head, Rear Cylinder, w/Studs (painted), 1979	17131-80	—
	Head, Front Cylinder, w/Studs, 1980-'84 (band style) See chart for complete Cylinder Head Kit	17160-81	—
	Head, Rear Cylinder, w/Studs, 1980-'84 (band style) See chart for complete Cylinder Head Kit	17161-81	—
	Head, Front Cylinder - (painted black wrinkle), 1980-'82	17170-81	—
	Head, Rear Cylinder - (painted black wrinkle), 1980-'82	17171-81	—
	Head, Front Cylinder - (painted silver), 1980-'82	17180-81	—
	Head, Rear Cylinder - (painted silver), 1980-'82	17181-81	—
14	Seat, Exhaust, 1.750", 1948-'84 bt See chart for oversize Seat options	18017-66, 18055-66B, 18010-79	90-2018
	Seat, Intake, 1.950", 1966-'84 bt See chart for oversize Seat options	18020-79, 18018-66, 18056-66B	90-2017
	Seat, Exhaust Valve Seat, +.005", 1966-'79 See chart for oversize Seat options	18057-66	—
15	Valve, Intake, Stock Heads, 1.950" x 3.885" @ 1.879" Gauge, 1966-'84 bt See chart for oversize Intake Valve option	18075-80, 18075-81, 18078-80, 18078-81, 18078-81	90-2015
	Valve, Exhaust (special +.156" head), 1966-'84 See chart for oversize Exhaust Valve option	18082-60	—
	Valve, Exhaust, 1.720" x 3.724" @ 1.680" Gauge, 1948-'84 bt See chart for oversize Exhaust Valve option	18086-80, 18086-81, 18089-80, 18089-81	90-2022
16	Gasket, Head, .032", Stock, Copper, 1966-'84 bt <i>each</i>	16770-66B	93-1041
	Gasket, Head, .032", Stock, Copper, 1966-'84 bt <i>10 Pack</i>		93-1061

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#	Description	H-D Part No.	VVT Part No.
17	Hose, 1/4 I.D. x 5/8 O.D. reinforced rubber (25 ft. lg.) Late 1981	63501-68	—
18	Clamp, hose (4), Late 1981	10014	—
19	Fitting, Cylinder Base (2), Late 1981-Early '82	16303-81	—
	Fitting, Cylinder Base (2) Late 1982-'84	62375-57	560-0205
20	Spacer, Front Cylinder Base, Late 1981	5723	—
21	O-ring, Front Cylinder Base Fitting, Late 1981	11101	—
22	Nut, Cylinder Base, HH, 7/16-20 UNF-2B, Cadmium Plated, Stock 1930-'78 bt See chart for Nut and Washer Kit and optional Stainless Steel version		—
	Locknut, 7/16-20 x 3/8 x 9/16 hex. (4), 1978 to 84	16838-78	—
23	Lockwasher, 7/16 (4), 1966 to 77	7039	—
	Spacer, Cylinder Base Stud (4), 1978-'84	16836-78	—
24	Gasket, Base, .020", Stock, 1966-'84 bt (Logo Side Faces Cylinder) <i>each</i>	16776-63	93-1023-S
	Gasket, Base, .020", Stock, 1966-'84 bt (Logo Side Faces Cylinder) <i>10 Pack</i>		93-1070
	Gasket, Rear Cylinder Base, 1966-'84	16777-63	—
25	Stud, Cylinder Base, 7/16-14 UNC, 7/16-20 UNF x 2.0, Zinc, Steel <i>each</i>	16831-30, 16837-30	31-2328-S
	Stud, Cylinder Base, 7/16-14 UNC, 7/16-20 UNF x 2.0, Zinc, Steel, 1936-'84 bt, <i>8 Pack</i>		31-2328
	Stud, Cylinder Base, 7/16-14 ONF, 7/16-20 UNF x 2.3, Black, Steel <i>each</i>		31-2324-S
	Stud, Cylinder Base, 7/16-14 ONF, 7/16-20 UNF x 2.3, Black, Steel, 1936-'84 bt, <i>8 Pack</i>	16837-78	31-2324
26	Head Bolt, 12 pt, 7/16-20 X 2-3/8" x 1" TD <i>each</i> See chart for compatible option		—
	Head Bolt, w/ Washer, 12 pt, 7/16-20 X 2-3/8" x 1" TD, <i>10 Pack</i>	16814-77	—
27	Washer, 7/16 x 3/4 x 1/8 (5), 1966-Early 77	6469HW	—
28	Cylinder with piston, Front, 1966-'73 1200cc LC See chart for compatible Cylinder options	16484-66B	—
	Cylinder with piston, Rear, 1966-'73 1200cc LC See chart for compatible Cylinder options	16493-66B	—
	Cylinder with piston, Front, 11966-'73 1200cc HC See chart for complete Cylinder Kit	16485-66B	—
	Cylinder with piston, Rear, 1966-'73 1200cc HC See chart for complete Cylinder Kit	16492-66B	—
	Cylinder with piston, Front, 1974-'80 1200cc LC See chart for compatible Cylinder options	16484-74A	—
	Cylinder with piston, Rear, 1974-'80 1200cc LC See chart for compatible Cylinder options	16493-74A	—
	Cylinder with piston, Front, 1974-'80 1200cc HC See chart for complete Cylinder Kit	16485-74A	—
	Cylinder with piston, Rear, 1974-'80 1200cc HC See chart for complete Cylinder Kit	16492-74A	—
	Cylinder with piston, Front, 1978-'80 1340cc HC See chart for complete Cylinder Kit	16494-78	—
	Cylinder with piston, Rear, 1978-'80 1340cc HC See chart for complete Cylinder Kit	16495-78	—
	Cylinder with piston, Front, Late 1983-'84 1340cc LC See chart for compatible Cylinder options	16498-80A	—
	Cylinder with piston, Rear, Early 1981, Late 1982-'84 1340cc LC See chart for compatible Cylinder options	16499-80A	—
	Cylinder with piston, Front, Late 1981 & Early '82 1340cc LC See chart for compatible Cylinder options	16508-81	—
	Cylinder with piston, Rear, Late 1981 & Early '82 1340cc LC See chart for compatible Cylinder options	16509-81	—
	Cylinder with piston, Rear, 1980-'84 1340cc LC See chart for compatible Cylinder options	16496-80	—
	Cylinder with piston, Front, 1980-'84 1340cc LC See chart for compatible Cylinder options	16497-80	—
	Cylinder with piston, Front, Early 1981, Late 1982-'84 1340cc LC See chart for compatible Cylinder options	16498-80	—
	Cylinder with piston, Rear, Early 1981, Late 1982-'84 1340cc LC See chart for compatible Cylinder options	16499-80	—
	Cylinder with piston, Front, (Silver), 1981-'84 1340cc LC See chart for compatible Cylinder options	16497-81	—
	Cylinder with piston, Rear, (Silver) 1981-'84 1340cc LC See chart for compatible Cylinder options	16496-81	—
29	Piston, Rings, Pin & Lock Ring Assembly, Standard, 1953-'73 1200cc LC See chart for compatible Piston Set options	22101-53C	—
	Piston, Rings, Pin & Lock Ring Assembly, +.01", 1953-'73 1200cc LC See chart for compatible Piston Set options	22103-53D	—
	Piston, Rings, Pin & Lock Ring Assembly, +.02", 1953-'73 1200cc LC See chart for compatible Piston Set options	22104-53D	—
	Piston, Rings, Pin & Lock Ring Assembly, +.03", 1953-'73 1200cc LC See chart for compatible Piston Set options	22105-53D	—
	Piston, Rings, Pin & Lock Ring Assembly, +.04", 1953-'73 1200cc LC See chart for compatible Piston Set options	22106-53D	—
	Piston, Rings, Pin & Lock Ring Assembly, +.05", 1953-'73 1200cc LC	22107-53C	—
	Piston, Rings, Pin & Lock Ring Assembly, +.06", 1953-'73 1200cc LC	22108-53D	—
	Piston, Rings, Pin & Lock Ring Assembly, +.07", 1953-'73 1200cc LC	22109-53C	—
	Piston, Rings, Pin & Lock Ring Assembly, Standard, 1974-'80 1200cc LC See chart for compatible Piston Set options	22101-74A	—
	Piston, Rings, Pin & Lock Ring Assembly, +.01", 1974-'80 1200cc LC See chart for compatible Piston Set options	22103-74A	—
	Piston, Rings, Pin & Lock Ring Assembly, +.02", 1974-'80 1200cc LC See chart for compatible Piston Set options	22104-74A	—
	Piston, Rings, Pin & Lock Ring Assembly, +.03", 1974-'80 1200cc LC See chart for compatible Piston Set options	22105-74A	—
	Piston, Rings, Pin & Lock Ring Assembly, +.04", 1974-'80 1200cc LC See chart for compatible Piston Set options	22106-74A	—
	Piston, Rings, Pin & Lock Ring Assembly, +.05", 1974-'80 1200cc LC	22107-74A	—
	Piston, Rings, Pin & Lock Ring Assembly, +.06", 1974-'80 1200cc LC	22108-74A	—
	Piston, Rings, Pin & Lock Ring Assembly, +.07", 1974-'80 1200cc LC	22109-74A	—
	Piston, Rings, Pin & Lock Ring Assembly, Standard, 1955-'73 -1200cc HC See chart for complete Piston Set	22141-55B	—
	Piston, Rings, Pin & Lock Ring Assembly, +.01", 1955-'73 -1200cc HC See chart for compatible Piston Set options	22143-55C	—
	Piston, Rings, Pin & Lock Ring Assembly, +.02", 1955-'73 -1200cc HC See chart for compatible Piston Set options	22144-55C	—

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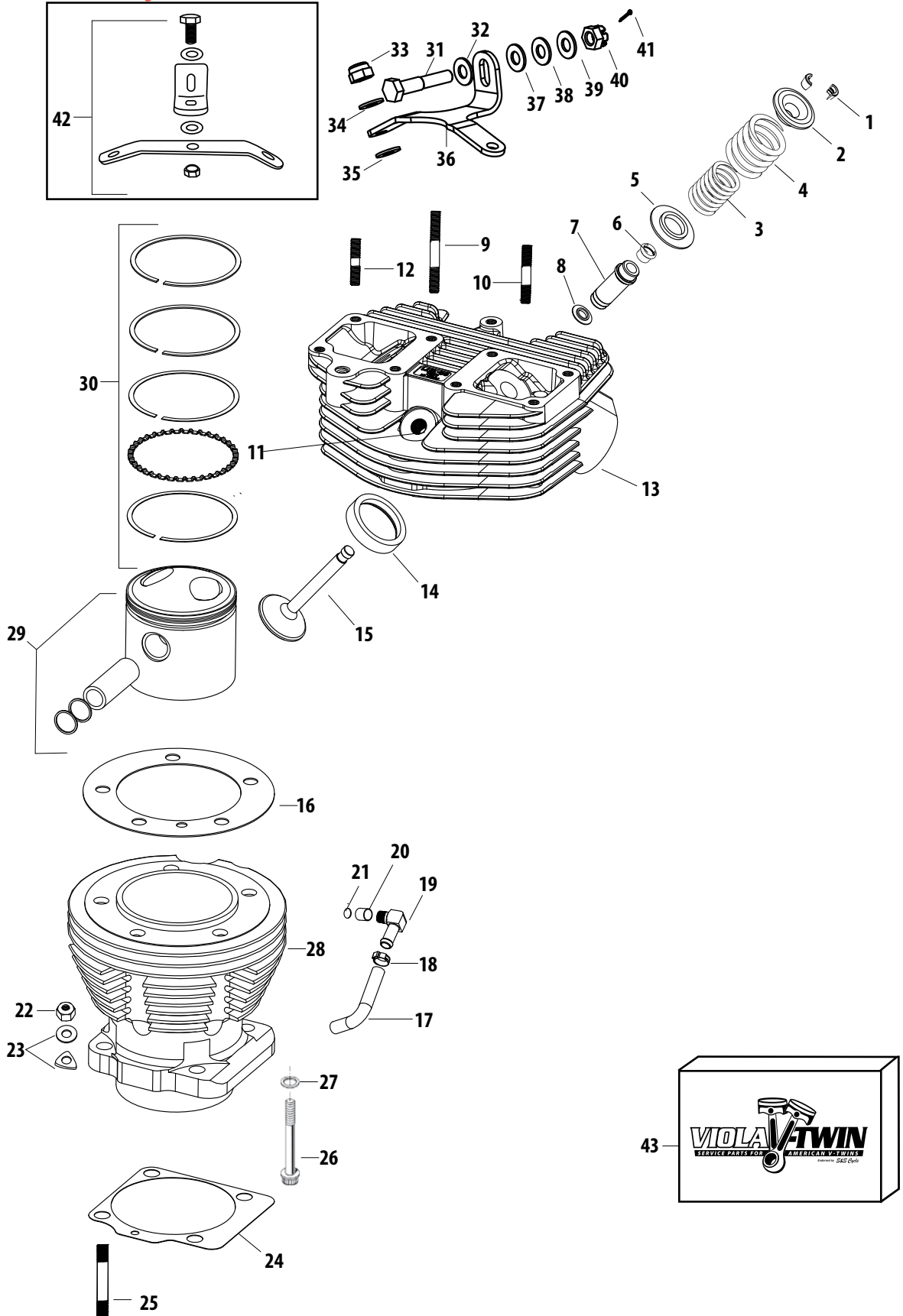
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CYLINDER, HEAD & VALVE SERVICE PARTS FOR HARLEY-DAVIDSON SHOVELHEAD MODELS

Table with 4 columns: #, Description, H-D Part No., and VVT Part No. It lists various piston and ring assemblies for different Harley-Davidson models and years, including part numbers like 22145-55C and 94-2200X.

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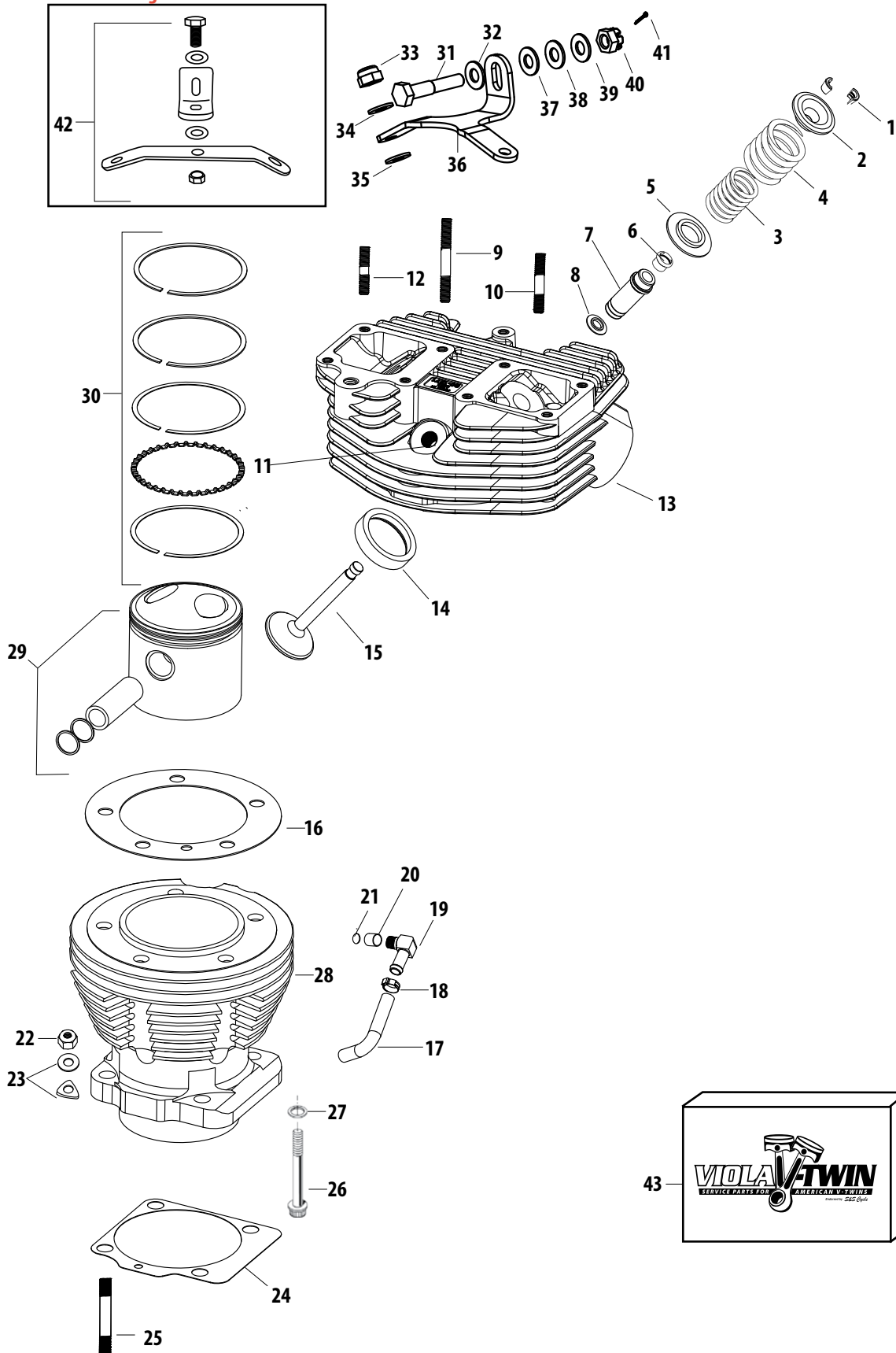
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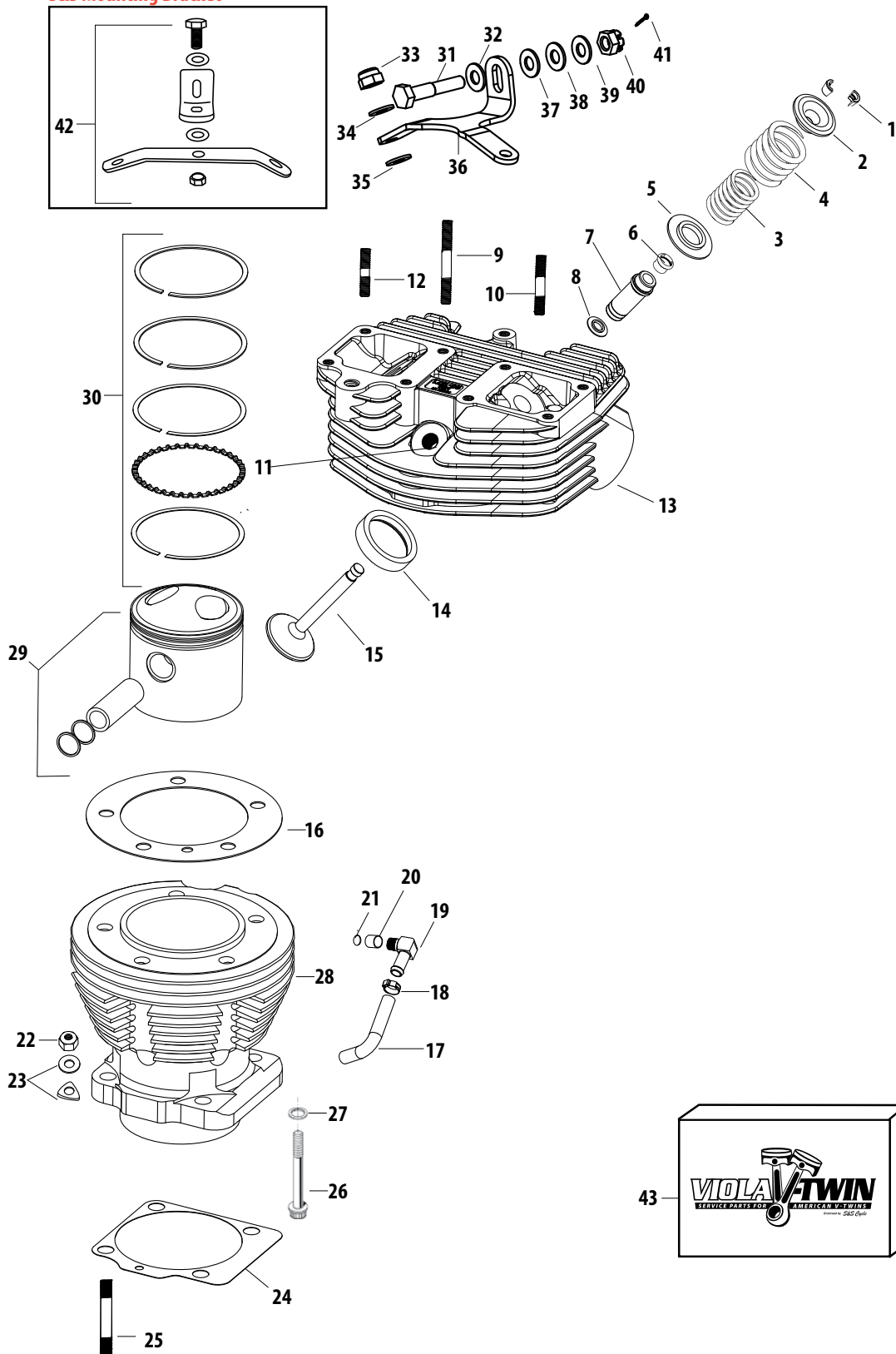
#	Description	H-D Part No.	VVT Part No.
39	Washer, 3/8 x 1 x 5/64, Late 1971-'78	6416	—
	Washer, 7/16 x 1-1/8 x 1/8, 1966-'84	6516HW	—
40	Nut, Lock, HH 7/16-20, 1966-'72	7867W	—
	Nut, Lock, HH, 7/16-20, Steel/Nylon	7825	50-5045
41	Cotter Pin, 3/32 x 7/8, 1966-'72	534	—
42	Kit, Bracket, Engine Mounting, 1948-'84 <i>See chart for complete Engine Mount Kit</i>	—	—
43	Gasket Kit, Top End, Stock Bore, Shovelhead 1966-'84	17034-66X	900-0588
	Gasket Kit, Complete, Stock Bore, 1966-'69 Shovelhead FL, FLH	17029-66X	310-0419
	Gasket Kit, Complete, Stock Bore, 1970-'84 Shovelhead 4 speed	17029-70A	310-0420
	Gasket Kit, Complete, Stock Bore, 1980-'84 Shovelhead 5 speed	17029-80	310-0421

NOT DIRECT SERVICE PARTS (SOLD AS ASSEMBLIES) *Note: These products are compatible services as assemblies.*

#	Description	VVT Part No.
1, 2, 3, 4, 5	Spring, Kit, Valve, Dual, Steel, .550", 1948-'84 bt	90-2053
13	Head, Kit, Stock Bore, O-ring Style, .590" Triple Steel, Single Plug, Internal Oil, Natural, 1966-'78 bt (Fits 1978*)	90-1496
	Head, Kit, Stock Bore, Band Style, .590" Triple Steel, Single Plug, Internal Oil, Natural, 1979-'84 bt*	90-1498
14	Seat, Intake, 1.950" + .010", 1966-'84 bt	90-2117
	Seat, Exhaust, 1.750" + .002", 1948-'84 bt	90-2119
	Seat, Exhaust, 1.750" + .010", 1948-'84 bt	90-2121
15	Valve, Intake, +.005" Stem Diameter, 1.950" x 3.885" @ 1.879" Gauge, 1966-'84 bt	90-2020
	Valve, Exhaust, +.005" Stem Diameter, 1.720" x 3.724" @ 1.680" Gauge, 1948-'84 bt	90-2031
22	Nut, Kit, Base, Cadmium Plated, Stock Bore 1930-'78 bt (Includes 8 nuts and 8 washers)	106-4522
	Nut, Cylinder Base, HH, 7/16-20 UNF-2B x .910", Polished, Stainless Steel, 416 <i>each</i>	93-3063-S
	Nut, Cylinder Base, HH, 7/16-20 UNF-2B x .910", Polished, Stainless Steel, 416 <i>8 pack</i>	93-3063
26	Head Bolt, w/ Washer, 12 pt, 7/16-20 X 2-3/8" x 1" TD, <i>10 Pack</i>	93-3024-S
	Head Bolt, w/ Washer, 12 pt, 7/16-20 X 2-3/8" x 1" TD, <i>10 Pack</i>	93-3024
28	Cylinder, Kit, 3-7/16" Bore, 5.330", 3-31/32" Stroke, 106-5495, Gloss Black, 8.0:1 Compression, 1966-'84 bt	91-9013
	Cylinder, Kit, 3-1/2" Bore, 5.330", 4-1/4" Stroke, 106-5511, Gloss Black, 8.0:1 Compression, 1966-'84 bt	91-9024
	Cylinder, Front, 3-7/16" Bore, 5.330", Gloss Black, 1966-'84 bt	91-9010F
	Cylinder, Rear, 3-7/16" Bore, 5.330", Gloss Black, 1966-'84 bt	91-9010R
	Cylinder, Set, 3-7/16" Bore, 5.330", w/ Gaskets & Hardware, Gloss Black, 1966-'84 bt	91-9011
	Cylinder, Front, 3-1/2" Bore, 5.330", Gloss Black, 1966-'84 bt	91-9020F
	Cylinder, Rear, 3-1/2" Bore, 5.330", Gloss Black, 1966-'84 bt	91-9020R
	Cylinder, Set, 3-1/2" Bore, 5.330", w/ Gaskets & Hardware, Gloss Black, 1966-'84 bt	91-9021
29	Piston, Set, 3-7/16", Standard, 74", LC, Forged, .791" WP, 1936-'84 bt	106-5495
	Piston, Set, 3-1/2", Standard, 80", LC, .791" WP, 1979-'84 bt	106-5511
	Piston, Set, 3-7/16", Standard, HC, .791" WP, 1936-'84 bt	106-5503
	Piston, Set, 3-7/16", +.010", HC, .791" WP	106-5504
	Piston, Set, 3-7/16", +.020", HC, .791" WP, 1936-'84 bt	106-5505
	Piston, Set, 3-7/16", +.030", HC, .791" WP, 1936-'84 bt	106-5506
	Piston, Set, 3-7/16", +.040", HC, .791" WP, 1936-'84 bt	106-5775
	Piston, Set, 3-1/2", +.010", 80", LC, .791" WP, 1979-'84 bt	106-5512
	Piston, Set, 3-1/2", +.020", LC, .791" WP, 1936-'84 bt	106-5513
	Piston, Set, 3-1/2", +.030", 80", LC, .791" WP, 1979-'84 bt	106-5514
	Piston, Set, 3-1/2", Standard, HC, .791" WP, 1936-'84 bt	106-5519
	Piston, Set, 3-1/2", +.010", HC, .791" WP, 1936-'84 bt	106-5520
36	Piston, Set, 3-1/2", +.020", HC, .791" WP, 1936-'84 bt	106-5521
	Piston, Set, 3-1/2", +.030", HC, .791" WP, 1936-'84 bt	106-5522
42	Mount, Top, Engine, 2-Piece, Natural, Steel, 1948-'84 bt	93-4057
42	Mount, Top, Engine, 2-Piece, Natural, Steel, 1948-'84 bt	93-4057

*Not legal for sale or use on CA or EPA pollution controlled vehicles.

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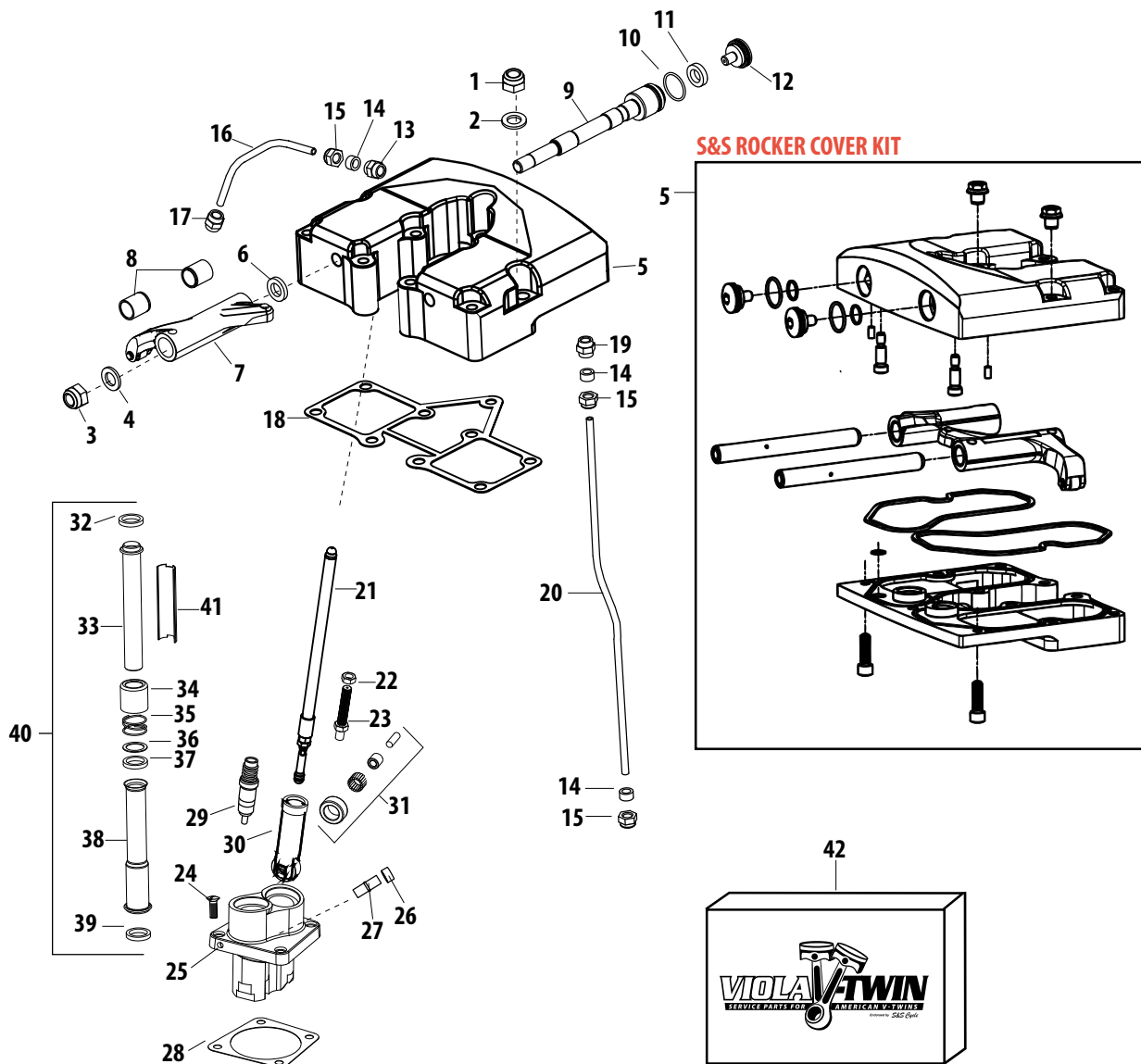
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#	Description	H-D Part No.	VWT Part No.
1	Nut, 5/16-24 x 1/2 hex. (black) (9), 1979	7509	—
	Nut, 5/16-24 x 17/64 x 1/2 hex. (9), 1966-'84	7753	500-0315
2	Washer, 5/16 x 5/8 x 1/16 (black) (9), 1979	6002	—
	Washer, 11/32 x 11/16 x 1/16 (9) Late 1983-'84	6320, 70907-07, 6016, 6702	50-7034
	Washer, 5/16 x 5/8 x 1/16 (9), 1980-E'83	6316HW	—
	Washer, 5/16 x 11/16 x 1/16 (9), 1966-'79	6702	—
3	Acorn Nut, 7/16-20 x 11/16 x 5/8 hex. (chrome) (2), 1981-'84	7873	—
	Acorn Nut, 7/16-20 x 5/8 x 5/8 hex. (chrome) (2), 1966-'80	7875	—
4	Washer, 7/16 x 3/4 x 1/32 (black) (4) 1979	6001	—
	Washer, 7/16 x 3/4 x .025(2) 1966-'84	6466W	—
5	Rocker Arm Cover, Kit, Rear with 17508-66A STUD, 1966-'84 <i>See chart for complete Rocker Box Kit</i>	17550-80	—
	Rocker Arm Cover, Kit, Front with 17508-66A STUD, 1966-'84 <i>See chart for complete Rocker Box Kit</i>	17552-80	—
6	Spacer, Rocker Arm (2), 1966-'84	17452-66	—
7	Rocker Arm, Rear Exhaust and Front Intake, 1966-'84 <i>See chart for Rocker Arm options</i>	17360-66A	—
	Rocker Arm, Set, 1966-'84 <i>See chart for Rocker Arm options</i>	—	—
	Rocker Arm, Front Exhaust and Rear Intake, 1966-'84 <i>See chart for Rocker Arm options</i>	17375-66A	—
8	Bushing, Rocker Arm (4), 1966-'84	17429-91, 17428-57	900-0784
9	Shaft, Rocker Arm (2), 1966-'84	17611-66B	—
10	O-ring, Rocker Arm Shaft 1966-'84 (pushrod cover - upper Late 1979-E'81)	11101	—
11	Washer, Rocker Arm Shaft (2), 1973-'81	17450-73	—
12	Screw, Rocker Arm Shaft End (2), 1966-E'71	17448-57	—
	Screw, Rocker Arm Shaft End (chrome) (2), Late 1971-'84	17448-71A	—
	Screw, Rocker Arm Shaft End (black) (2), 1979	17449-77	—
13	Oil Line Fitting, Rocker Arm Cover, 1966-E'82	63526-57	—
	Oil Line Fitting, Rocker Arm Cover, Late 1982-'84	63543-82	—
14	Sleeve, Oil Line (4), 1966-'84	63529-57	—
15	Nut, Oil Line (4), 1966-'84	63527-57A	—
16	Oil Line Fitting, Top Cover Cross-over (chrome), 1966-'84	62783-66A	—
17	Oil Line Fitting, Rocker Arm Cover - Front, 1981-'84 bt	62484-81	—
18	Gasket, Rocker Cover, Graphite, 1966-'84 bt, 10 Pack	17540-69, 17540-69A	90-4040
	Gasket, Rocker Cover, Graphite, 1966-'84 bt, 10 Pack	—	90-4064
19	Oil Line Fitting, Rocker Arm Cover (2 - Early 82 & Earlier), 1966-'84	63526-57	—
20	Oil Line Tube, Crankcase to Top Cover (chrome), 1966 to 84	62785-66A	—
21	Pushrod, Set, Adjustable, Hydraulic Tappet, Stock, Steel, 1966-'84 bt	17904-66	93-5070
22	Nut, Tappet Adjusting Screw, 1966-'84	18570-38	—
23	Tappet Adjusting Screw with Nut(2) 1966-'84 <i>See chart for compatible Screw</i>	18556-57	—
24	Screw, 1/4-20 x 7/8 12 pt. ctsk. hd. (4) (black), 1979	906	—
	Screw, Tappet Guide (4), 1966-E'76	18660-53	—
	Screw, 1/4-24 x 7/8 x 12 pt. hd. (4), 1966-E'76	3750	—
	Screw, 1/4-20 x 7/8 12 pt. ctsk. hd. (4), Late 1976-'84	3770	—
25	Tappet Guide, Front Cylinder, 1966-E'76	18600-66C	—
	Tappet Guide, Front Cylinder, Late 1976-'84	18603-80A	—
	Tappet Guide, Front Cylinder, Late 1981 & Early 1982	18597-81	—
	Tappet Guide, Rear Cylinder, Late 1982-'84	18602-80A	—
	Tappet Guide, Rear Cylinder, Late 1981 & Early 1982	18598-81	—
	Tappet Guide, Rear Cylinder, 1966-E'76	18610-66B	—
	Tappet Guide, Rear Cylinder, Late 1976-E'81	18610-76A	—
26	Clamp, Hose (4), Late 1981 & Early 1982	10014	—
27	Fitting, Tappet Guide, Late 1981 & Early 1982	18599-81	—
28	Gasket, Set, Tappet Guide, 1948-'99 bt	—	33-5302
	Gasket, Rear, Tappet Guide, 1948-'99 bt	18633-48B, 18633-48D	33-5302R
	Gasket, Front, Tappet Guide, 1948-'99 bt	18634-48C	33-5302F
29	Insert, Assembly, Hydraulic, 1 Pack 1966 to 84 <i>each</i>	17920-53A	330-0379
30	Tappet, Hydraulic, roller, 53-84 bt 4 Pack	25556-36, 18522-53A	330-0380
	Tappet, hydraulic, Roller, .003" oversize, includes hyd insert, 4 Pack	—	330-0381
31	Roller, Kit, Service, 29-84 bt	18534-29A	330-0377
	O-ring, (-209), .687" ID x .937" OD, Viton (pushrod cover - upper Late 79 to Early 81)	11293, 11157, 11101, 11190	50-8039
	Quad Seal, Pushrod Cover - Upper (4), Late 1981-'84	11118	—
	Cork Washer, Pushrod Cover - Upper (4), 1966-E'79	17955-36	—
33	Pushrod Cover, Top, Natural, Aluminum, 1966-up bt, 1986-'90 xl	17935-66T, 17935-79B	93-4016
	Pushrod Cover, Top, 1948-'70 <i>See chart for compatible Pushrod Cover</i>	17935-48B	—
34	Cap, Pushrod Cover, 1936-up bt, 1957-'90 xl	17945-36B	93-4017



#	Description	H-D Part No.	VVT Part No.
35	Spring, Pushrod Cover Cap, .080" Wire, .730" x .890" x .925", Steel, 1936-up bt, 1957-'90 xl	17947-36	93-4018
36	Washer, Flat, .715" x .950" x .031", Steel	6762B	50-7131
37	O-ring, (-115), .687" ID x .875" OD, Black, Nitrile	11132A	50-8038
38	Cover, Lower Pushrod (2), 1966- E'79	17938-79 17938-48B	—
	Pushrod Cover, Bottom, w/ O-rings, Chrome, 1979-'84 bt	17938-79	—
39	O-ring, Quad Seal, (-119), .937" ID x 1.125" OD, Viton	11133A	50-8064-S
	Cork Washer, pushrod cover (lower) (2), 1966-E'79	17955-48	—
40	Pushrod Cover, Kit, Chrome, 1979-'84 bt	—	93-4040
41	Cover Keeper, Pushrod, 3.330", Chrome	17949-40, 17950-66	93-4035-S
42	Gasket Set, Top Overhaul, 1966-'78	17034-48B	—
	Gasket Set, Top Overhaul, 1979-'84	17034-80A	—

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#	Description	VVT Part No.
5	Rocker Box, Kit, Polished, Billet, 1966-'84 bt	90-4305
7	Rocker Arm, Set, Roller, 1.5:1 Ratio, 8620, 1966-'84 bt	900-4320A
	Rocker Arm, Assembly, FI/RE, Roller, 1.5:1 Ratio, 8620, 1966-'84 bt	900-4320RA
	Rocker Arm, Assembly, FE/RI, Roller, 1.5:1 Ratio, 8620, 1966-'84 bt	900-4320FA
23	Screw, Pushrod Adjustment, Black, Steel, 1936-'84 bt	33-5332
33	Pushrod Cover, Top, Natural, Zinc Plated, Steel, Stock 1936-'47 OHV bt & KN-Series	106-3850

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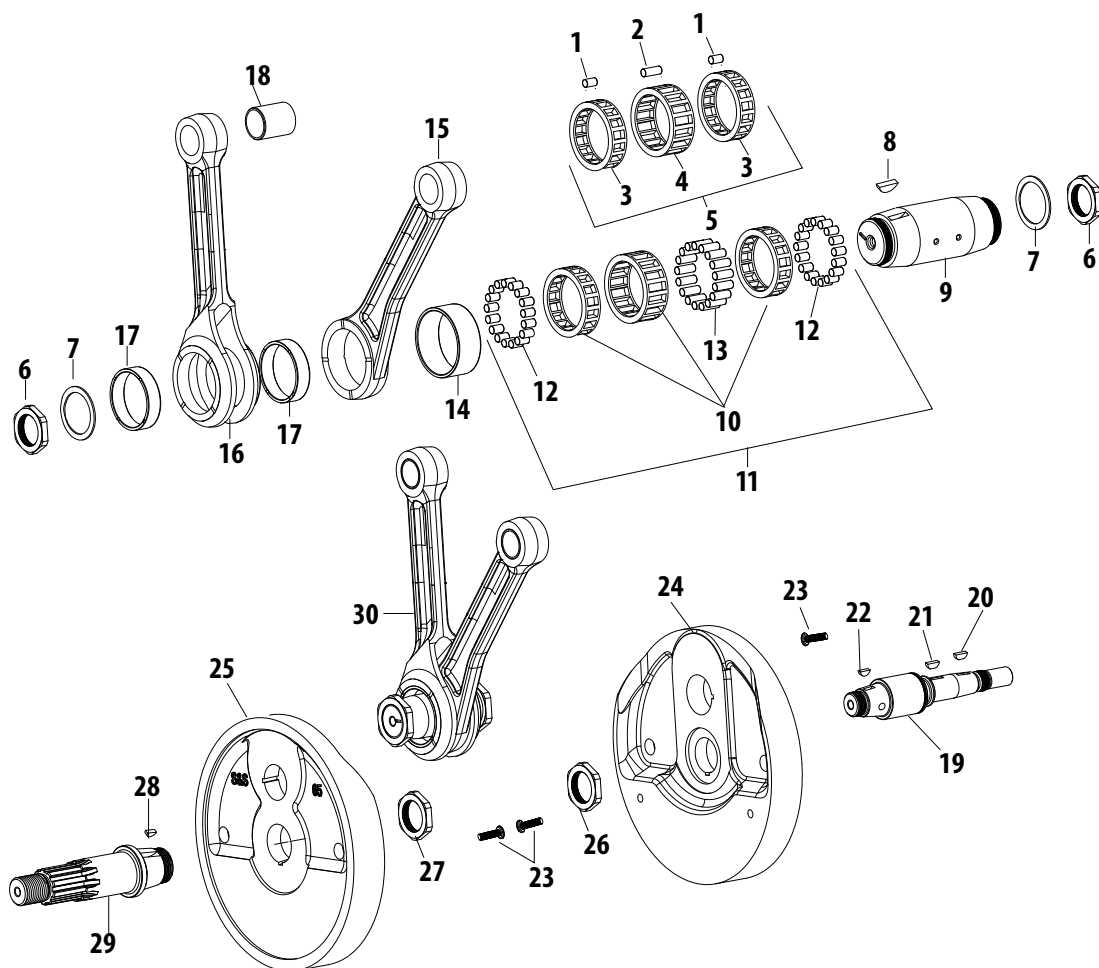
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1	Bearing, Rear, Rod, Standard, Alloy (34), 1973-'84	9441A	34-4034
	Bearing, Rear, Rod, 0.0002 O.S. (34), 1973-'84	9442A	—
	Bearing, Rear, Rod, 0.0004 O.S. (34), 1973-'84	9443A	—
	Bearing, Rear, Rod, 0.0006 O.S. (34), 1973-'84	9444A	—
	Bearing, Rear, Rod, 0.0008 O.S. (34), 1973-'84	9445A	—
	Bearing, Rear, Rod, 0.0010 O.S. (34), 1973-'84	9446A	—
	Bearing, Rear, Rod, 0.0002 U.S. (34), 1973-'84	9450A	—
	Bearing, Rear, Rod, 0.0002 U.S. (34), 1973-'84	9450A	—
2	Bearing, Front, Rod, Standard, Alloy (17), 1973-'84	9186	34-4033
	Bearing, Front, Rod, - 0.0002 O.S. (17), 1973-'84	9180	—
	Bearing, Front, Rod, - 0.0004 O.S. (17), 1973-'84	9181	—
	Bearing, Front, Rod, - 0.0006 O.S. (17), 1973-'84	9182	—
	Bearing, Front, Rod, - 0.0008 O.S. (17), 1973-'84	9183	—
	Bearing, Front, Rod, - 0.0010 O.S. (17), 1973-'84	9184	—
	Bearing, Front, Rod, - 0.0002 U.S. (17), 1973-'84	9185	—
	Bearing, Front, Rod, - 0.0002 U.S. (17), 1973-'84	9185	—
3	Retainer, Crankpin Roller - Rear Rod (2), 1973-'84	24366-71	—
	Retainer, Crankpin Roller - Front Rod, 1973-'84	24367-71	—
4	Retainer, Crankpin Roller - Rear Rod (2), 1973-'84	24366-71	—
	Retainer, Crankpin Roller - Front Rod, 1973-'84	24367-71	—
5	Bearing Cage, Set, Connecting Rod, 1.25", Alloy, bt	—	34-4020
	Nut, Crankpin (2), 1954-Early '81	23966-54A	—
6	Nut, Crankpin (2), Late 81-Early '83	23969-80	—
	Nut, HH, 1-20 UNEF-3B x .346", Black, Steel, 4140 (2), Late '83-'84	23967-54A, 23969-83, 23901-81, 23981-98	34-2104
7	Washer, Flywheel (2), 1941-Early '70	23973-41	—
	Washer, Flywheel, Thrust, w/ 1.250" Crankpin, 1.415" x 2.329" x .065", Phosphor Bronze (2), Late 70-'84	6506	32-2019
8	Key, Crankpin, 1941-Early '81	23985-18	—
	Key, Woodruff, .125" x .375" x .374" each	—	50-8222-5
	Key, Woodruff, .125" x .375" x .374", Steel, 5 Pack (2), Late '81-'84, 5 Pack	11218	50-1009
9	Crankpin, Stock Threads, 1.249", 1941-'81 bt See chart for complete Crankpin Assembly	23961-41	34-2002
	Crankpin, Late 1981-'84 See chart for complete Crankpin Assembly	23961-80A	—
10	Retainer, Crankpin Roller (4), 1951-'72	24366-51	—
	Bearing, Assembly, Connecting Rod, 1.25", 1941-'99 bt	24346-87A, 24385-40B	34-4010
	Set of Roller and Retainers - 0.0004 O.S., 1941-'84	24387-40B	—
	Set of Roller and Retainers - 0.0006 O.S., 1941-'84	24388-40B	—
	Set of Roller and Retainers - 0.0008 O.S., 1941-'84	24389-40B	—
	Set of Roller and Retainers - 0.0010 O.S., 1941-'84	24390-40B	—
	Set of Roller and Retainers - 0.0002 U.S., 1941-'84	24391-40B	—
12	Roller, Crankpin, 0.188 x 0.329 - Std. (36), 1951-'72	9101A	—
	Roller, Crankpin, - 0.0002 O.S. (36), 1951-'72	9102A	—
	Roller, Crankpin, - 0.0004 O.S. (36), 1951-'72	9103A	—
	Roller, Crankpin, - 0.0006 O.S. (36), 1951-'72	9104A	—
	Roller, Crankpin, - 0.0008 O.S. (36), 1951-'72	9105A	—
	Roller, Crankpin, - 0.0010 O.S. (36), 1951-'72	9106A	—
	Roller, Crankpin, - 0.0002 U.S. (36), 1951-'72	9108A	—
	Roller, Crankpin, 0.188 x 0.662 - Standard (18), 1951-'72	9171A	—
	Roller, Crankpin, - 0.0002 O.S. (18), 1951-'72	9172A	—
	Roller, Crankpin, - 0.0004 O.S. (18), 1951-'72	9173A	—
13	Roller, Crankpin, - 0.0006 O.S. (18), 1951-'72	9174A	—
	Roller, Crankpin, - 0.0008 O.S. (18), 1951-'72	9175A	—
	Roller, Crankpin, - 0.0010 O.S. (18), 1951-'72	9176A	—
	Roller, Crankpin, - 0.0002 U.S. (18), 1951-'72	9179A	—
	Roller, Crankpin, 0.188 x 0.662 - Standard (18), 1951-'72	9171A	—
	Roller, Crankpin, - 0.0002 O.S. (18), 1951-'72	9172A	—
	Roller, Crankpin, - 0.0004 O.S. (18), 1951-'72	9173A	—
	Roller, Crankpin, - 0.0006 O.S. (18), 1951-'72	9174A	—
14	Race, Front, Connecting Rod, 1941-'99 bt See chart for Connecting Rod Rebuild Kit	24356-36A	34-4005
	Connecting Rod, Front 1971-'73	24302-36	—
15	Connecting Rod, Rear 1971-'73	24298-36	—
	Race, Rear, Connecting Rod, 1941-'99 bt See chart for Connecting Rod Rebuild Kit	24345-36A	34-4006
16	Bushing, Wristpin, .767" x .895" x 1.077", Bronze, 1941-'99 bt See chart for Connecting Rod Rebuild Kit	24334-36	34-4007
	Bushing, Piston Pin - 0.010 O.S. O.D. (2), 1941-'84	24335-36	—
17	Pinion Shaft, 1958-'72	24006-58	—
	Pinion Shaft, 1973-Early '81 See chart for complete Pinion Shaft Assembly	24006-73	—
	Pinion Shaft, Late 1981-Early '83	24006-80	—
	Pinion Shaft, Late 1983-'84	24006-83	—
18	Key, Pinion Shaft Pinion (2 - 54-Early 75), 1954-'84	23985-54	—
	Key, Woodruff, .094" x .313" x .311", Steel Late '75-'84	26347-15	50-8220-5
	Key, Pinion Shaft, 1941-Early '81	23985-12	—
19	Key, Woodruff, .125" x .375" x .374" each	—	50-8222-5
	Key, Woodruff, .125" x .375" x .374", Steel, 5 Pack (2), Late 1981-'84 5 Pack	11218	50-1009
20	Screw, No. 10-24 x 3/8 Pozidriv pan hd. (4), 1948-Early '78	2660	—
	Flywheel, Right, 1941-'80	23940-41A	—
21	Flywheel, Right, 1978-Early '81	23922-78	—
	Flywheel, Right, Late '81-Early '83	23922-80	—
	Flywheel, Left, 1972-'80	23919-72	—

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#	Description	H-D Part No.	VVT Part No.
	Flywheel, Left, 1978-Early '81	23924-78	—
	Flywheel, Left, Late 1981-Early '83	23926-80A	—
26	Nut, Gear and Sprocket Shafts (2 - '41-'71), 1941-Early '81	24023-36	—
	Nut, Sprocket Shaft, 1972-Early '81	24017-72	—
	Nut, Gear Shaft, Late 1981-'84	24016-80	—
	Nut, Sprocket Shaft, Late 81-'84	24017-80	—
27	Nut, Gear and Sprocket Shafts (2 - '41-'71), 1941-Early '81	24023-36	—
	Nut, Sprocket Shaft, 1972-Early '81	24017-72	—
	Nut, Gear Shaft, Late 1981-'84	24016-80	—
28	Key, Sprocket Shaft, 1956-'71	23985-56	—
29	Sprocket Shaft, 1965-'69 See chart for compatible Sprocket Shaft Assembly	24001-65	—
	Sprocket Shaft, 1970 & '71 See chart for compatible Sprocket Shaft Assembly	24001-70	—
	Sprocket Shaft, 1972-Early '81 See chart for compatible Sprocket Shaft Assembly	24001-72	—
	Sprocket Shaft, Late '81-'84 See chart for compatible Sprocket Shaft Assembly	23909-80	—
30	Connecting Rod, Set, Heavy Duty, IBC, .791" WP, 7.440", 1941-E'81 bt	24281-41A, 24281-74A	34-7004
	Connecting Rod, Set, Heavy Duty, IBC, .791" WP, 7.440", L1981-'84 bt	—	34-7011
	Connecting Rod, Set, Heavy Duty, IBC, .792" WP, 7.440", 1984-'99 bt	24281-80, 24281-83	34-7013
31	Flywheel, Special Order, 1936-'99 bt	23906-74, 23906-78G, 23906-87A	32-2015

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#	Description	VVT Part No.
9	Crankpin, Assembly, Tapered, 1.249", 1941-'81 bt, includes retainers and key	34-2003
14, 17, 18	Rebuild Kit, Connecting Rod, Race & Bushing, 1941-'99 bt, includes #18 (2), #17 (2), #14 (1)	34-4040
19	Pinion Shaft, Assembly, Tapered, Standard, 1939-'53 bt, includes keys and nut (Panhead only)	33-2021
	Pinion Shaft, Assembly, Tapered, Standard, 1958-E'81 bt, includes keys and nut	33-2024
	Pinion Shaft, Assembly, Tapered, S&S Flywheels, Standard, L1981-'99 bt	33-2027
	Pinion Shaft, Assembly, Tapered, S&S Flywheels, +.001", L1981-'99 bt	33-2028
29	Sprocket Shaft, Assembly, 1965-'69 bt	33-2003
	Sprocket Shaft, Assembly, 1970-'99 bt	33-2004

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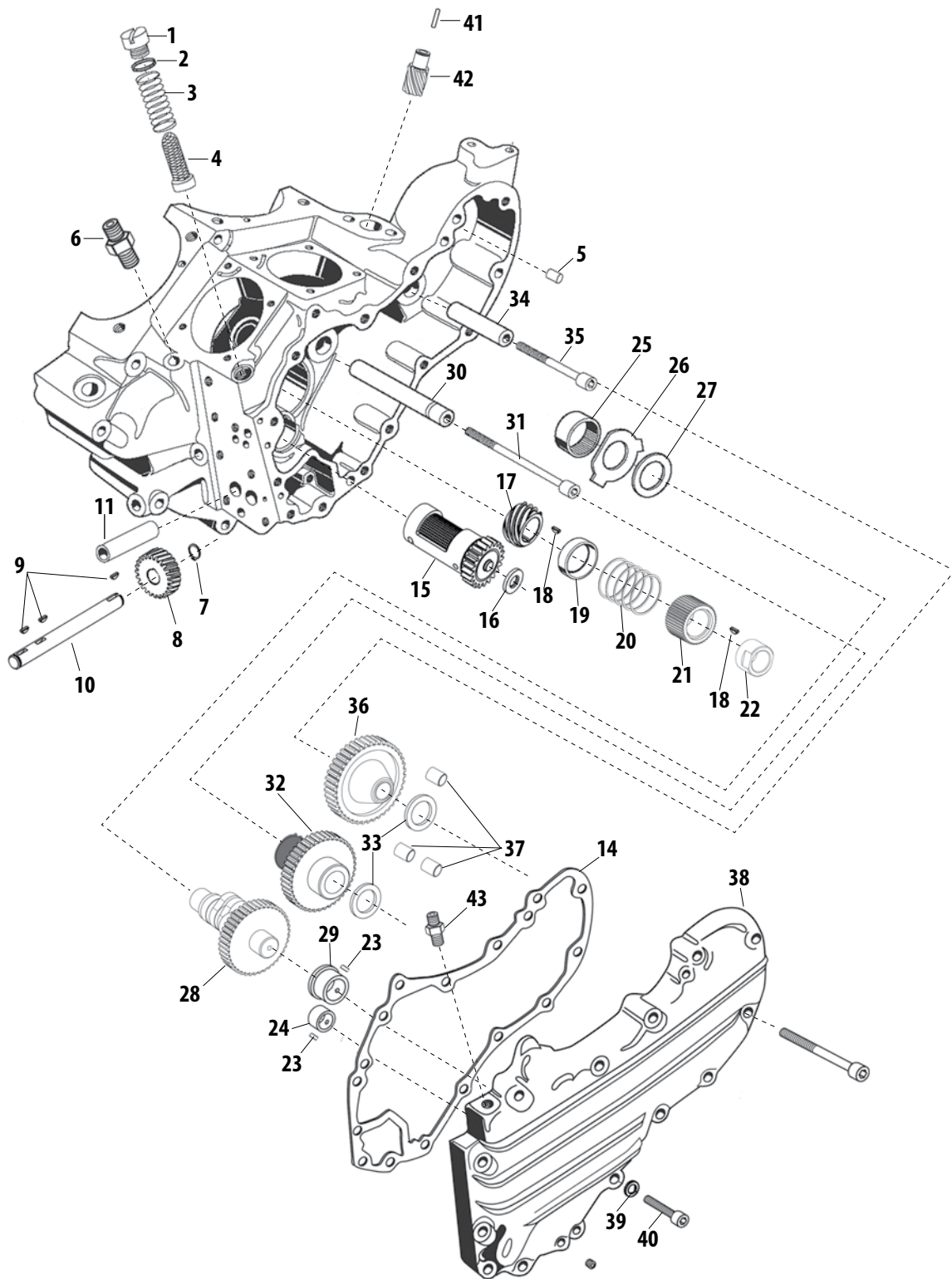
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#	Description	OLD H-D PN	H-D Part No.	VVT Part No.
1	Plug, Oil Screen, 1948 - '99 S&S bt <i>See chart for compatible Oil Pump Screw</i>	655	26263-80	—
2	Gasket, Oil Screen Plug, L1952 - '69	—	62702-52	—
	O-Ring, Oil Screen Plug, 1948 - '99 S&S Bt <i>See chart for compatible O-Ring</i>	—	11105	—
3	Spring, Crankcase Oil Screen, .040" Wire, .340" x .420" x 1.375", Music Wire, 1953-'99 bt L1952 - '69 <i>each</i>	24982-66	24982-66, 24982-70	31-2011-5
4	Oil Screen, Crankcase, L1952 - '69	24981-66	24981-70, 24981-66	31-2010
5	Dowel Pin, Gearcover, Pin, Dowel, .370" x .750", Steel (2), 1936 - '69	585-30	585-30, 377, 378	50-8017
6	Fitting, Rocker Arm Oil Line, 1966 - '69	—	63526-57	—
7	Retaining Ring, Oil Pump Drive Shaft, SAE 1060-1090, 1941 - '69	695-36	695-36, 26348-36	50-8058
8	Drive Gear, Oil Pump - 25 Tooth, 1941 - '69 <i>See chart for compatible 24 Tooth Oil Pump Drive Gear</i>	26345-39	26345-70	—
9	Key, Woodruff, .094" x .313" x .311", Steel, 1936 - '69	634-15	26347-15	50-8220-5
10	Shaft, Drive, Oil Pump, 1936-'67	638-36	26346-36	—
	Shaft, Drive, Oil Pump, .4223" x 4.650", Cold Drawn Steel, AISI 1146, 1968-'99 bt	26346-68	26346-70	31-6011
11	Bushing, Drive Shaft, Oil Pump, Stepped, .424" x .533" x 2.540", Bronze, 1936-1999 bt, 1954 - '69	412-36	24641-36	31-4008
—	Breather Screen Separator 1936 - '69 (Not Shown)	585-36A	25279-36	—
—	Breather Screen 1936 - '69 (Not Shown)	585-36	25275-36	—
14	Gasket, Gearcover, 1936-'64 bt	598-36	25225-36A	31-2030
	Gasket, Gearcover, Flathead Power, 1965-'69	—	25225-36C	106-2072
15	Gear, Breather, High Evacuation, 1936-'53 bt	504-36	25300-36	106-5070
	Gear, Breather, High Evacuation, +.030", 1936-'47 bt	—	—	106-6012
	Gear, Breather, 1948-'E77 bt <i>See chart for complete Breather Gear Kit</i>	—	25313-73	33-4246
	Gear, Breather, +.030", with Gear, L1977 - '99	—	—	33-4242
16	Thrust Washer, Breather Valve - 0.115 Thick, 1950 - '69	—	25313-50	—
	Thrust Washer, Breather Valve - 0.120 Thick, 1950 - '69	—	25314-50	—
	Thrust Washer, Breather Valve - 0.125 Thick, 1950 - '69	—	25315-50	—
	Thrust Washer, Breather Valve - 0.110 Thick, 1952 - '69	—	25316-52	—
17	Gear, Pinion, Oil Pump Drive, 6 Tooth, 1954-'89 bt 1954 - '69	26349-54	26349-73, 26349-73A	33-4232
18	Key, Gear Shaft (2), 1954 - '69	—	23985-54	—
	Key, Woodruff, .094" x .313" x .311", Steel (2), 1954 - '69	—	26347-15	50-8220-5
19	Spacer, Gear Shaft Pinion, 1940 - '53	355-40	24703-40	—
	Spacer, Oil Pump Drive Gear, .740" x .900" x .320", Black, Steel, 1954-'89 bt 1954 - '69	—	24703-54B	33-4289
20	Spring, Seal Ring	355-37B	24699-37	—
21	Gear, Pinion, Green, 1954-'E77 bt 1954 - '69 <i>See chart for Pinion Gear diameter options</i>	—	24010-54	33-4125
22	Nut, Pinion Gear, 5/8-24 UNEF-3B LH x .375", Black, Steel, 4140, 1954 - '69	—	24023-54	33-4244
23	Dowel Pin, 1/8 x 1/4 (2), 1941 - '69	—	275	—
	Dowel Pin, 1/8 X 1/4 (2), 1931 - '49	661-31	271	—
24	Bushing, Gearcover Pinion Shaft, 1954 - '72	—	25582-54A	—
	Bushing, Gearcover Pinion Shaft, 1973 - '92	—	25582-73	—
25	Bushing, Crankcase Cam Gear, 1936 - '57	660-36	25597-36	—
	Bearing, Assembly, Needle, Cam, 1958 - '69	—	9058	31-4009
26	Washer, Cam, Lock, .062", Steel, 1958 - 99 bt <i>each</i>	—	—	33-5201
	Washer, Cam, Lock, .062", Steel, 5 Pack	—	25550-57A	33-5213
	Washer, Cam, Lock, .062", Steel, 1936-'56 OHV bt (KN Series) <i>each</i>	—	—	106-4528
27	Washer, Cam, Thrust, .820" x 1.060" x .050", Steel 1936 - '99 <i>each</i>	664-36	25550-36	33-5200
	Washer, Cam, Thrust, .820" x 1.060" x .055", Steel, 1936 - '99 <i>each</i>	—	25551-36	33-5202
	Washer, Cam, Thrust, .820" x 1.060" x .060", Steel, 1936 - '99 <i>each</i>	—	25552-36	33-5203
	Washer, Cam, Thrust, .820" x 1.060" x .065", Steel 1936 - '99 <i>each</i>	—	25553-36	33-5204
	Washer, Cam, Thrust, .820" x 1.060" x .070", Steel, 1936 - '99 <i>each</i>	—	—	33-5205
	Washer, Cam, Thrust, .820" x 1.060" x .070", Steel, 5 Pack 1936 - '99 5 Pack	—	25554-36	33-1011
	Washer, Cam, Thrust, .820" x 1.060" x .075", Steel, 1936 - '99 <i>each</i>	—	25555-36	33-5206
	Washer, Cam, Thrust, .820" x 1.060" x .080", Steel, 1936 - '99	—	25556-79	—
	Washer, Cam, Thrust, .820" x 1.060" x .085", Steel, 1936 - '99	—	25557-79	—
	Washer, Cam, Thrust, .820" x 1.060" x .090", Steel, 1936 - '99	—	25558-79	—
	Washer, Cam, Thrust, .820" x 1.060" x .095", Steel, 1936 - '99	—	25559-79	—
28	Cam (H-Grind), 1958-'69 <i>See chart for other Cam options</i>	—	25523-69	330-0170
29	Bushing, Cam, Bronze, 1936-'69 bt	661-36	25581-36	31-4025
30	Shaft, Circuit Breaker Drive Gear, 1936-'69 bt, 1936 - '69	—	25856-36	31-2037
31	Screw, Left Hand Thread, Late 1959 - '69	—	1430	—
	Screw, 1936 - E'59	637-36A	25859-36	—
32	Gear, Assembly, Circuit Breaker, 1936-'69 bt	—	25850-36A	33-4215
33	Spacer, Idler And Circuit Breaker Gear (2), 1941 - 69 - FLH <i>See chart for Shim size options</i>	—	25800-36	—
34	Shaft, Idler Gear, .5556" x 1.8760", AISI 8620H, 1936-'69 bt	637-36B	25791-36	31-2039
35	Screw, SHCS, 1/4-20 x 2", Zinc, ASTM A574-92A, 1936 - '69	—	25794-36	50-0013
36	Gear, Idler, 1936-'69 bt	619-36	25775-36	33-4216
37	Bushing, Idler Gear (3), 1930 - '69	—	25785-30A	—

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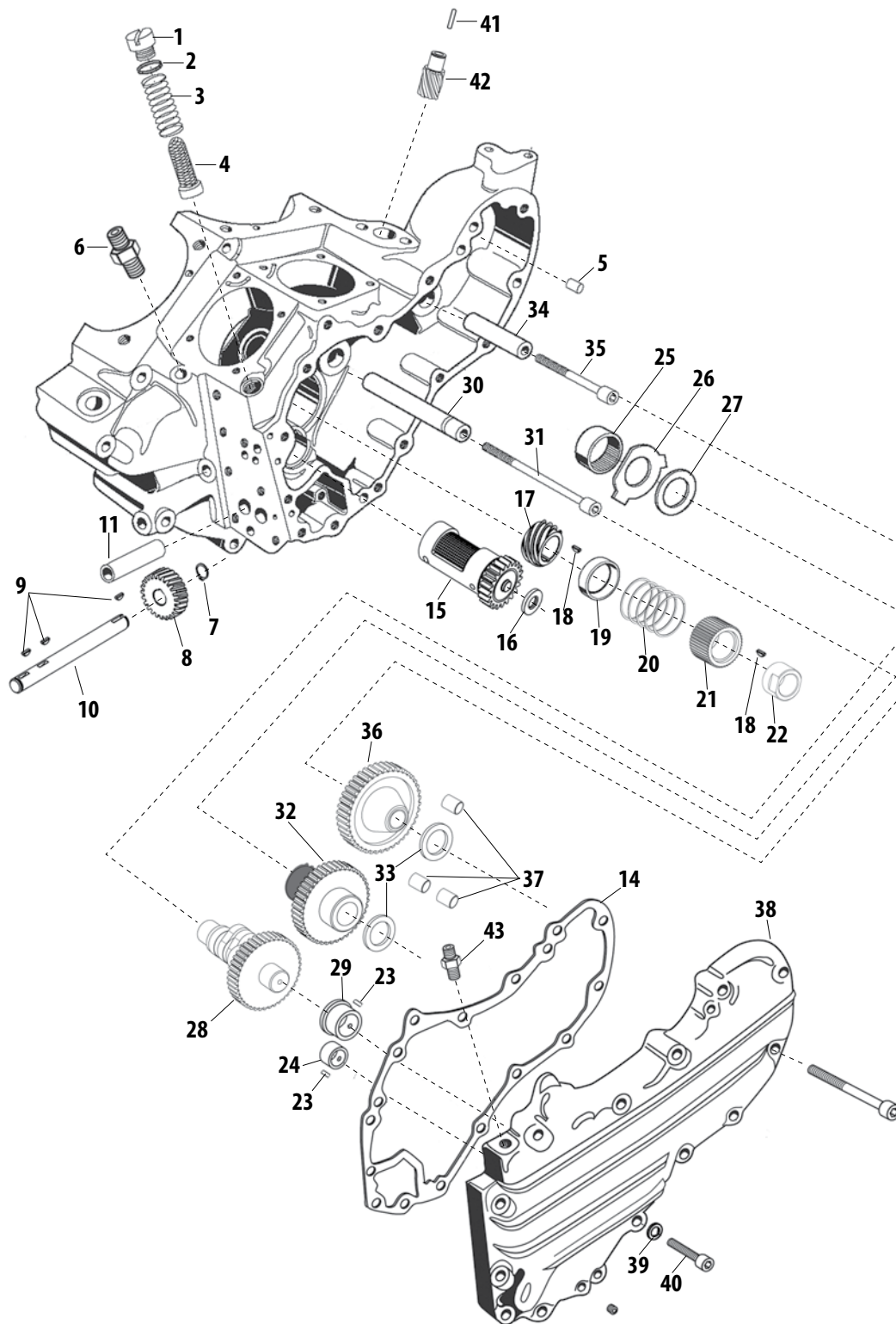
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#	Description	OLD H-D PN	H-D Part No.	VVT Part No.
38	Gearcover, Ribless Notched & Riveted Early 1936	584-36	25216-36	—
	Gearcover, Ribless Rivited Mid 1936			—
	Gearcover, Ribless Late 1936 - '39			—
	Gearcover, 8 Rib Bossless Early & Mid 1940			—
	Gearcover, 8 Rib Late 1940 - E'48 (Includes Hardware)			—
	Gearcover, 8 Rib 1940 - E'48 (Includes Hardware) <i>See chart for compatible Gearcover Kit</i>	584-48	25216-48	—
	Gearcover, 8 Rib Late 1948 - '53 (Includes Hardware) <i>See chart for compatible Gearcover Kit</i>			—
	Gearcover, 4 Rib 1954 - '62 (Includes Hardware) <i>See chart for compatible Gearcover Kit</i>	25216-54	25216-58	—
	Gearcover, 4 Rib Outside Oiler 1963 - '64	—	25216-63	—
	Gearcover, Flat Side, Outside Oiler 1965 (Includes Hardware) <i>See chart for compatible Gearcover Kit</i>	—	25216-65	—
	Gearcover, Flat Side 1966 - '69 (Includes Hardware) <i>See chart for compatible Gearcover Kit</i>	—	25216-66	—
39	Washer, 1/4", (12), Early 1936 Only	—	—	—
40	Screw, Slotted Countersunk, Oval, 1/4-24 x 1-1/8", Cadmium Plated, 12 Pack	056	2341, 2341HW	106-2013
41	Pin, Roll, Coiled, .120" x .500", Steel <i>See chart for 1/8" diameter option</i>	—	255	50-8025
42	Gear, Circuit Breaker, 1936-'69 bt <i>See chart for compatible Circuit Breaker Gear</i>	056, 1547-36	32531-36	—
43	Oil Feed Pipe Nipple, 1942-'47 OHV	95-42A	17330-42	106-4734

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#	Description	VVT Part No.
1	Screw, Oil Pump/Check Valve/Relief Va, Bright Zinc Plated, Steel <i>each</i>	31-6021
	Screw, Oil Pump/Check Valve/Relief Va, Bright Zinc Plated, Steel <i>5 Pack</i>	31-7005
2	O-ring, (-013), .437" ID x .565" OD, Viton	50-8008
8	Gear, Pinion, Oil Pump Drive, 24 Tooth, 1973-'99 bt	33-4230
15	Gear, Kit, Breather, 1948-E'77 bt	33-4253
	Gear, Kit, Breather, +.030", 1948-E'77 bt	33-4263
21	Gear, Pinion, Orange, 1954-E'77 bt	33-4121
	Gear, Pinion, Black, 1954-E'77 bt	33-4122
	Gear, Pinion, Red, 1954-E'77 bt	33-4123
	Gear, Pinion, Blue, 1954-E'77 bt	33-4124
	Gear, Pinion, Green, 1954-E'77 bt	33-4125
	Gear, Pinion, White, 1954-E'77 bt	33-4126
	Gear, Pinion, Brown, 1954-E'77 bt	33-4127
	Gear, Pinion, Yellow, 1954-E'77 bt	33-4128
28	Camshaft, 450S, 1948-'69 bt	33-5062
33	Shim, Circuit Breaker/Idler Gear, .050"	33-4221
	Shim, Circuit Breaker/Idler Gear, .054"	33-4222
	Shim, Circuit Breaker/Idler Gear, .058"	33-4223
	Shim, Circuit Breaker/Idler Gear, .062"	33-4224
	Shim, Circuit Breaker/Idler Gear, .066"	33-4225
38	Gearcover, Kit, Generator, KN-Series, Ribbed, Stock Pinion Shaft, Natural, 1940-'47 bt	106-3198
	Gearcover, Kit, Generator, P-Series, Ribbed, Stock Pinion Shaft, Natural, Late 1948-'53 bt	106-3499
	Gearcover, Kit, Generator, Bushing Style, Stock Style Case, Natural, Cast, 1954-'69 bt	31-0240
	Gearcover, Kit, Generator, Flatside, Stock Style, Natural, 1965 bt	106-1619
	Gearcover, Kit, Generator, Flatside, Stock Style, Natural, 1966-'69 bt	106-1625
41	Pin, Roll, .138" x .500", Steel	50-8030
42	Gear, Circuit Breaker, 1936-'69 bt	33-4217

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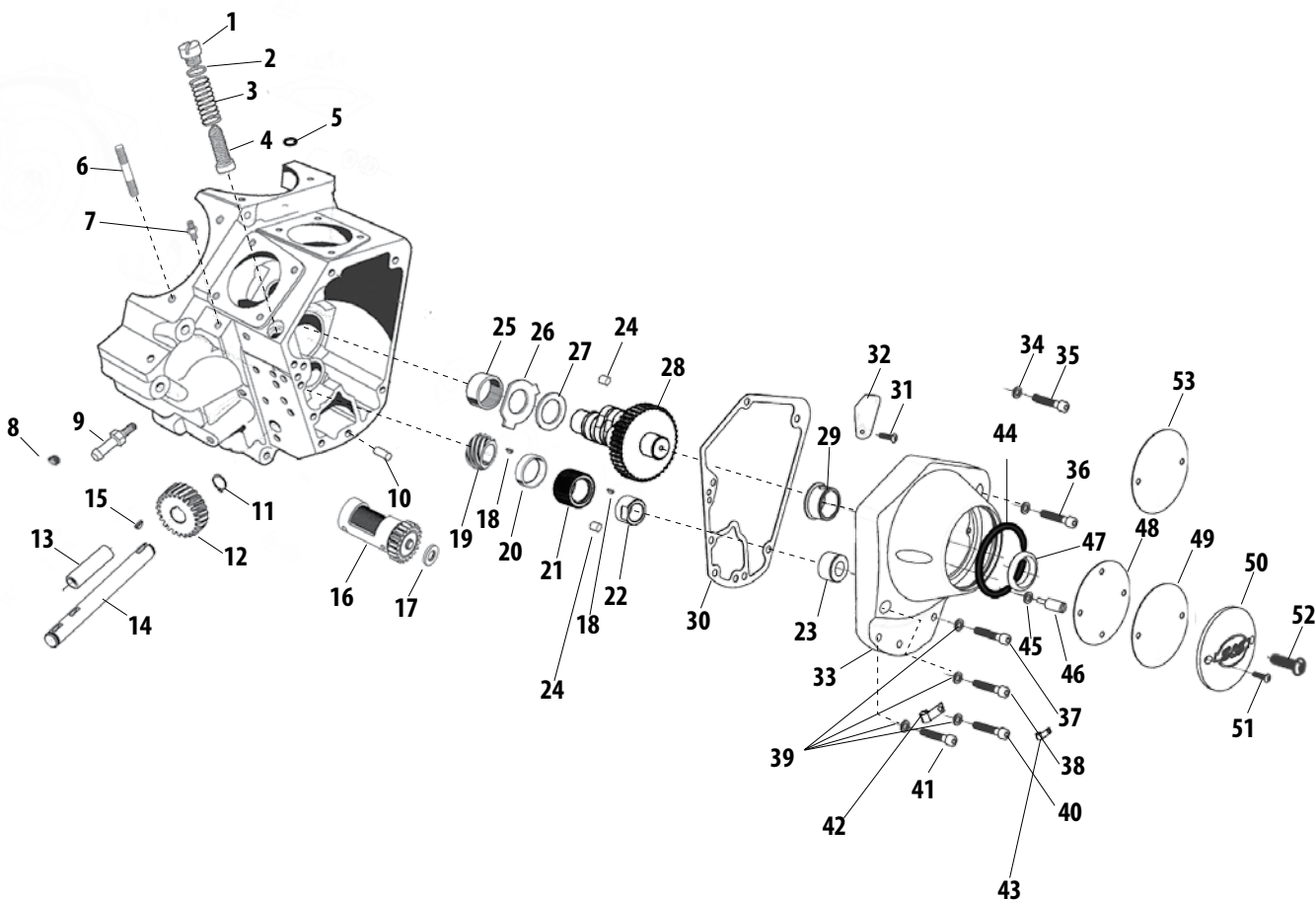
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1	Plug, Screw, Oil Screen, 1970-'80	657	—
	Screw, Oil Pump/Check Valve/Relief Valve, Bright Zinc Plated, Steel, 1981-'84 <i>each</i>	26263-80, 26362-36	31-6021
	Screw, Oil Pump/Check Valve/Relief Valve, Bright Zinc Plated, Steel, 5 Pack		31-7005
2	O-ring, (-013), .437" ID x .565" OD, Viton <i>each</i>	11105, 11273	50-8008
	O-ring, Oil Return, (-013), .437" ID x .565" OD, Viton, 10 Pack		50-8078
3	Spring, Crankcase Oil Screen, .040" Wire, .340" x .420" x 1.375", Music Wire, 1953-'99 bt 1970-'84 <i>each</i>	24982-66, 24982-70	31-2011-5
4	Screen, Crankcase Oil, 1970-'84	24981-70, 24981-66	31-2010
5	Plug, Crankcase, 1970-'84	653	—
6	Stud, Cylinder Base, 7/16-14 ONF, 7/16-20 UNF x 2.3, Black, Steel (8) 1974-'84 <i>each</i>	16837-78	31-2324-5
	Stud, Cylinder Base, 7/16-14 ONF, 7/16-20 UNF x 2.3, Black, Steel, 1936-'84 bt, 8 Pack		31-2324
7	Fitting, Rocker Arm Oil Line, 1970-'84	63526-57	—
8	Plug, Pipe, 3/4 Taper, 1/8-27 NPTF x .188", Zinc, Steel, Late 1984	45830-48	50-8331
9	Fitting, Crankcase-Air Cleaner Hose, Late 1978-'83	25260-78	—
10	Pin, Dowel, .250" x .500", Steel (2), 1970-'84 <i>each</i>	358, 366	50-8022
	Pin, Dowel, .250" x .500", Steel, 2 Pack		50-8022-2
11	Retaining Ring, Oil Pump Drive Gear, Carbon Steel, SAE 1060-1090, 1970-'84 <i>each</i>	11002	50-8059
	Retaining Ring, Oil Pump Drive Gear, Carbon Steel, SAE 1060-1090, 1970-'84 10 Pack		50-8107
12	Drive Gear, Oil Pump, 25 Tooth, 1970-'72	26345-39	—
	Gear, Pinion, Oil Pump Drive, 24 Tooth, 1973-'99 bt 1973-'84	26345-73	33-4230
13	Bushing, Drive Shaft, Oil Pump, Stepped, .424" x .533" x 2.540", Bronze, 1936-1999 bt 1970-'84	24641-36	31-4008
14	Shaft, Drive, Oil Pump, .4223" x 4.650", Cold Drawn Steel, AISI 1146, 1968-'99 bt 1970-79	26346-70	31-6011
15	Key, Woodruff, .094" x .313" x .311", Steel (2 - Gear Shaft - 75 & Later), 1970-'84 <i>each</i>	26348-15, 26347-15	50-8220-5
	Key, Woodruff, .094" x .313" x .311", Steel, 10 Pack		50-8229
16	Breather Valve, with Gear, 1970-Early '77 note: see chart for other breather gear options	25313-73	33-4246
	Breather Valve, with Gear (Plastic), Late 1977-'84 note: see chart for other breather gear options	25313-77B	—
17	Thrust Washer, Breather Valve - 0.100 Thick (Steel), 1970-Early '79 <i>each</i>	—	33-4200
	Thrust Washer, Breather Valve - 0.115 Thick, 1970-Early '79	25313-50	—
	Thrust Washer, Breather Valve - 0.120 Thick, 1970-Early '79	25314-50	—
	Thrust Washer, Breather Valve - 0.125 Thick, 1970-Early '79	25315-50	—
	Thrust Washer, Breather Valve - 0.110 Thick, 1970-Early '79	25316-52	—
	Thrust Washer, Breather Valve - 0.110 Thick (Steel), Late 1979-Early '82 <i>each</i>	25320-79	33-4201
	Thrust Washer, Breather Valve - 0.115 Thick (Steel), Late 1979-Early '82	25321-79	—
	Thrust Washer, Breather Valve - 0.120 Thick (Steel), Late 1979-Early '82 <i>each</i>	25322-79	33-4202
	Thrust Washer, Breather Valve - 0.125 Thick (Steel), Late 1979-Early '82	25323-79	—
	Thrust Washer, Breather Valve - 0.130 Thick (Steel), Late 1979-Early '82 <i>each</i>	25325-79, 25320-82	33-4203
	Thrust Washer, Breather Valve - 0.135 Thick (Steel), Late 1979-Early '82	25326-79	—
	Thrust Washer, Breather Valve - 0.140 Thick (Steel), Late 1979-Early '82 <i>each</i>	25322-82, 25327-79	33-4204
	Thrust Washer, Breather Valve - 0.145 Thick (Steel), Late 1979-Early '82	25328-79	—
	Thrust Washer, Breather Valve - 0.130 Thick (Plastic) Late 1982-84	25320-82	—
	Thrust Washer, Breather Valve - 0.135 Thick (Plastic) Late 1982-84	25321-82	—
	Thrust Washer, Breather Valve - 0.140 Thick (Plastic) Late 1982-84	25322-82	—
	Thrust Washer, Breather Valve - 0.145 Thick (Plastic) Late 1982-84	25323-82	—
	Thrust Washer, Breather Valve - 0.150 Thick (Plastic) Late 1982-84	25325-82	—
	Thrust Washer, Breather Valve - 0.155 Thick (Plastic) Late 1982-84	25326-82	—
	Thrust Washer, Breather Valve - 0.160 Thick (Plastic) Late 1982-84	25327-82	—
	Thrust Washer, Breather Valve - 0.165 Thick (Plastic) Late 1982-84	25328-82	—
	Thrust Washer, Breather Valve - 0.170 Thick (Steel) Late 1982-84	—	33-4207
NOTE: Order plastic washers only with plastic breather valve assemblies. Do not intermix steel and plastic parts.			
18	Key, Gear Shaft (3; 2 - Late 75 & Later), 1970-'84	23985-54	—
19	Gear, Pinion, Oil Pump Drive, 6 Tooth, 1936-'53 bt	26349-54	33-4237
	Gear, Pinion, Oil Pump Drive, 6 Tooth, 1954-'89 bt	26349-73, 26349-73A	33-4232
20	Spacer, Oil Pump Drive Gear, .740" x .900" x .320", Black, Steel, 1954-'89 bt	24703-54B	33-4289
21	Gear, Pinion, Green, 1954-E'77 bt 1970-Early 77 - FL, FLH	24010-54	33-4125
	Gear, Pinion, Orange, L1977-'89 bt	24040-78	33-4141
	Gear, Pinion, White, L1977-'89 bt	24041-78	33-4142
	Gear, Pinion, Yellow, L1977-'89 bt	24042-78	33-4143
	Gear, Pinion, Red, L1977-'89 bt	24043-78	33-4144
	Gear, Pinion, Blue, L1977-'89 bt	24044-78	33-4145
	Gear, Pinion, Green, L1977-'89 bt	24045-78	33-4146
	Gear, Pinion, Black, L1977-'89 bt	24046-78	33-4147
22	Nut, Pinion Gear, 5/8-24 UNEF-3B LH x .375", Black, Steel, 4140 1970-'84	24023-54	33-4244
23	Bushing, Pinion Shaft, Bronze, 1954-'72 bt	25582-54A, 22582-73	31-4020
	Bushing, Pinion Shaft, Bronze, 1973-'92 bt	25582-73	—
24	Dowel Pin (2 - As Required), 1970-'84	275	—
25	Bearing, Assembly, Needle, Cam, 1970-'99	9058	31-4009



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#	Description	H-D Part No.	VVT Part No.
26	Washer,Cam,Lock,.062",Steel, 1958 - 99 bt	25550-57A	33-5201
27	Washer,Cam,Thrust,.820" x 1.060" x .050",Steel 1936-'99 bt	25550-36	33-5200
	Washer,Cam,Thrust,.820" x 1.060" x .055",Steel 1936-'99 bt	25551-36	33-5202
	Washer,Cam,Thrust,.820" x 1.060" x .060",Steel 1936-'99 bt	25552-36	33-5203
	Washer,Cam,Thrust,.820" x 1.060" x .065",Steel 1936-'99 bt	25553-36	33-5204
	Washer,Cam,Thrust,.820" x 1.060" x .070",Steel 1936-'99 bt		33-5205
	Washer,Cam,Thrust,.820" x 1.060" x .070",Steel,5 Pack1936-'99 bt	25554-36	33-1011
	Washer,Cam,Thrust,.820" x 1.060" x .075",Steel 1936-'99 bt	25555-36	33-5206
	Washer, Cam, Thrust, .820" x 1.060" x .080", Steel, 1936-'99 bt	25556-79	—
	Washer, Cam, Thrust, .820" x 1.060" x .085", Steel, 1936-'99 bt	25557-79	—
	Washer, Cam, Thrust, .820" x 1.060" x .090", Steel, 1936-'99 bt	25558-79	—
	Washer, Cam, Thrust, .820" x 1.060" x .095", Steel, 1936-'99	25559-79	—
28	Cam and Pinion Gear Set, 1970-'84	24582-77A	—
	Cam (H-Grind), 1970 - '77	25523-70	330-0165
	Cam (H-Grind), 1978 - '84	25523-78	330-0166
	Cam Gear, 1970 - Early 1977	25523-70	—
	Cam Gear, 2.7324 - 2.7334 (Orange), Late 1977-'84	25527-81A	—
	Cam Gear, 2.7334 - 2.7344 (White), Late 1977-'84	25528-81A	—
	Cam Gear, 2.7344 - 2.7354 (Yellow), Late 1977-'84	25529-81A	—
	Cam Gear, 2.7354 - 2.7364 (Red), Late 1977-'84	25530-81A	—
	Cam Gear, 2.7364 - 2.7374 (Blue), Late 1977-'84	25531-81A	—
	Cam Gear, 2.7374 - 2.7384 (Green), Late 1977-'84	25532-81A	—

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Note: VVT parts cross referenced to stock OEM parts are functionally identical, but may differ slightly in appearance. Line drawings are a typical representation and may not be an exact match. Please confirm the required stock part number for intended application before ordering. All reference to H-D® part numbers are for identification purposes only. We are in no way implying that any of the VVT products are original equipment parts or that they are equivalent to the corresponding H-D part number shown.



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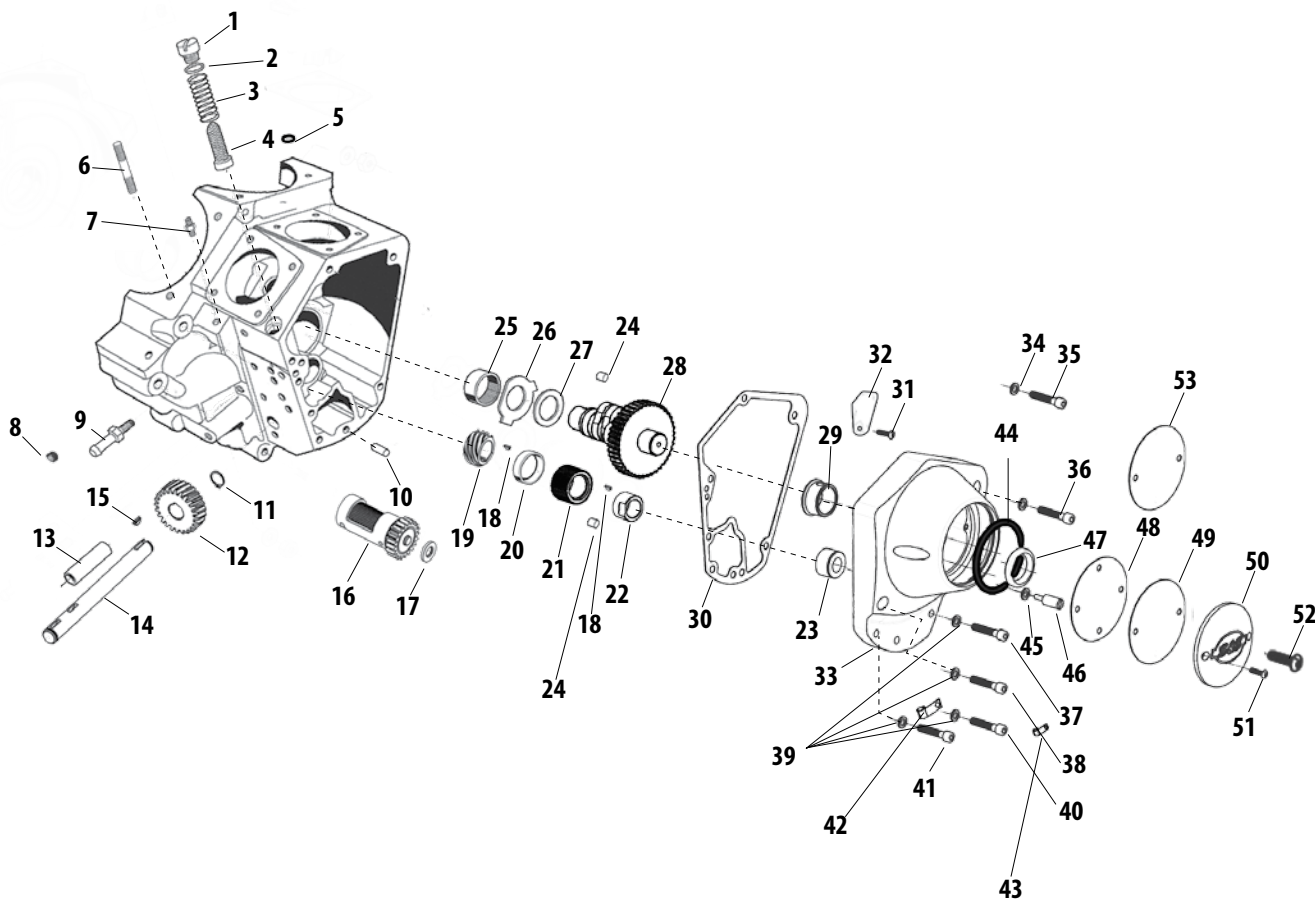
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#	Description	H-D Part No.	VVT Part No.
	Cam Gear, 2.7384 - 2.7394 (Black), Late 1977-'84	25534-81A	—
29	Bushing,Cam,Bronze,1970-'99 bt	25581-70	31-4019
30	Gasket,Gearcover,Undersized Profile,1970-'99 bt	25225-93A, 25225-93B, 25225-70C, 25257-80	31-2107
31	Screw, No. 10-24 X 1/2 Self Tapping Pan Hd (2), Late 1982-'84	2511	—
32	Cover, Breather Valve, Late 1982-'84	25275-82	—
33	Gearcover Kit, 1973-'84 <i>See chart for complete Gearcover Kits</i>	25216-73B	—
34	Washer, .261" x .474" x .050", Annealed, Stainless Steel Late 1980-'84	6099	50-7020
35	Screw, 1/4-20 x 1-3/4 Pozidriv Til. Hd, 1970-Early 80	1308	—
	Screw, 1/4-20 x 1-3/4 Hex. Socket Hd. (w/Locking Patch), Late 1980-'84	4810	—
	Screw, SFH, 1/4-20 x 1-3/4", Black, Alloy Steel <i>each</i>	905	50-0334-S
36	Screw, 1/4-20 x 1-1/4 Pozidriv Fil. Hd. (3), 1970-Early '80	1301	—
	Screw, 1/4-20 x 1-3/8 Hex. Socket Hd. (w/Locking Patch) Late 1980-'84	4813	—
37	Screw, 1/4-20 x 1-1/4 Knurled Socket Hd. (2), 1984-'84	4740	—
	Screw, PH, 1/4-20 x 1", Nickel, Stainless Steel (2), 1970-Early 80	1305	50-0072
	Screw, 1/4-20 x 1-1/8 Hex. Socket Hd. (w/Locking Patch) (2), Late 1980-'83	4814	—
38	Screw, 1/4-20 x 1-3/4 Pozidriv Til. Hd, 1970-Early 80	1308	—
	Screw, 1/4-20 x 1-3/8 Hex. Socket Hd. (w/Locking Patch) Late 1980-'84	4813	—
39	Washer, Flat, .281" x .625" x .080", Zinc, Steel, 1980-'84	6194, 6245, 6703, 6736, 6228W, 6192	50-7021
40	Screw, 1/4-20 x 1-3/4 Pozidriv Til. Hd, 1970-Early '80	1308	—
	Screw, 1/4-20 x 1-1/4 Hex. Socket Hd. (Self Locking), Late 1980 & Early 1981	2829	—
	Screw, 1/4-20 x 1-3/8 Hex. Socket Hd. (w/Locking Patch) Late 1980-'84	4813	—
41	Screw, 1/4-20 x 1-1/8 Hex. Socket Hd. (w/Locking Patch) (2), Late 1980-'83	4814	—
42	Clamp, Electronic Ignition Wire, Late 1981-'84 <i>See chart for compatible Clamp</i>	10046	—
43	Clamp, Electronic Ignition Wire, 1980 & Early '81 <i>See chart for compatible Clamp</i>	9965W	—
	Clamp, Circuit Breaker Wire, 1970-'79 <i>See chart for compatible Clamp</i>	56609-52	—
44	Spacer, Gearcover, 1973-'79	25261-82	—
45	Washer, No. 8 x 7/16 x 3/64 (2), 1970-'84	6194, 6245, 6703, 6736, 6228W, 6192	50-7021
46	Stud, Ignition Timer Cover (2), Late 1972-'79	32601-78	—
	Stud, Ignition Timer Cover (2), 1980-'84	32606-82	—
	Stud, Ignition Timer Cover (2), Early 1970	32607-70	—
	Stud, Ignition Timer Cover (2), Late 1970-Early '72	32608-70	—
47	Seal, Gearcover Cam, 1" x 1.441" x .250", 1970-up bt - FL, FLH, FLH-80, Classic	83162-51	31-4022
48	Gasket, Ignition Timer Cover, 1970-'84	32591-70, 32591-80	31-0225
49	Inner Cover, Timer, 1980-'84	32504-80	—
	Cover, Timer, 1970-'79	32588-70A	—
50	Timer Cover, 1983-'84	32521-83	—
51	Pop Rivet, 5/32 x 3/8 x 5/16 Dia. Hd. (2), 1980-'84	8699	—
52	Screw, FHSC, 8-32 x 1/2", Stainless Steel, 10 Pack(2), 1980-'84 <i>each</i>	1601	50-0353-S
	Screw, No. 8-32 x 7/16 Pozidriv. Hd. (2), 1972-'79	2622	—
	Screw, No. 8-32 x 7/16 Ctsk. Hd. (2), 1970 & 71	2628	—
53	Timer Cover, Gold Eagle (Accy.), Horiz Holed, Late 1977-'84 <i>See chart for compatible Ignition Cover</i>	32508-77	—
	Timer Cover, "No. 1", Vert Holed, 1980-'82	32511-78	—
	Timer Cover, "No. 1", Horiz Holed, Late 1978 & '79 <i>See chart for compatible Ignition Cover</i>	32503-77	—
	Timer Cover, "No. 1" (Accy.), Horiz Holed, Late 1977-'79 <i>See chart for compatible Ignition Cover</i>	32513-77	—
	Label, "FLH" Timer Cover, 1970-'79	32584-70	—

NOT DIRECT SERVICE PARTS (SOLD AS ASSEMBLIES) <i>Note: These products are compatible services as assemblies.</i>		
#	Description	VVT Part No.
16	Gear, Breather, L1977-'99 bt	33-4241
28	Camshaft, 450S, 1948-'69 bt	33-5062
33	Gearcover, Kit, Alternator, Billet Ignition Cover, Polished, Billet, 1973-'92 bt	31-0335
	Gearcover, Kit, Alternator, Billet Ignition Cover, Chrome, Billet, 1973-'92 bt	106-4211
42, 43	Clamp, Ignition Wire	50-0376-S
53	Ignition Cover, S&S Logo, Chrome, Billet, 1970-'99 bt	31-0332



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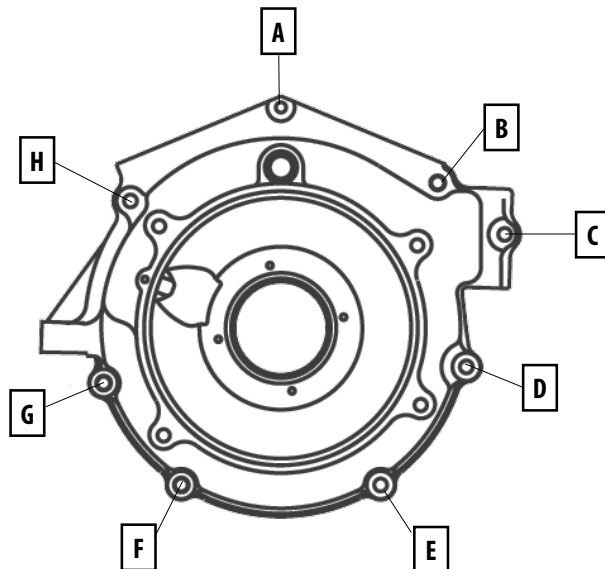
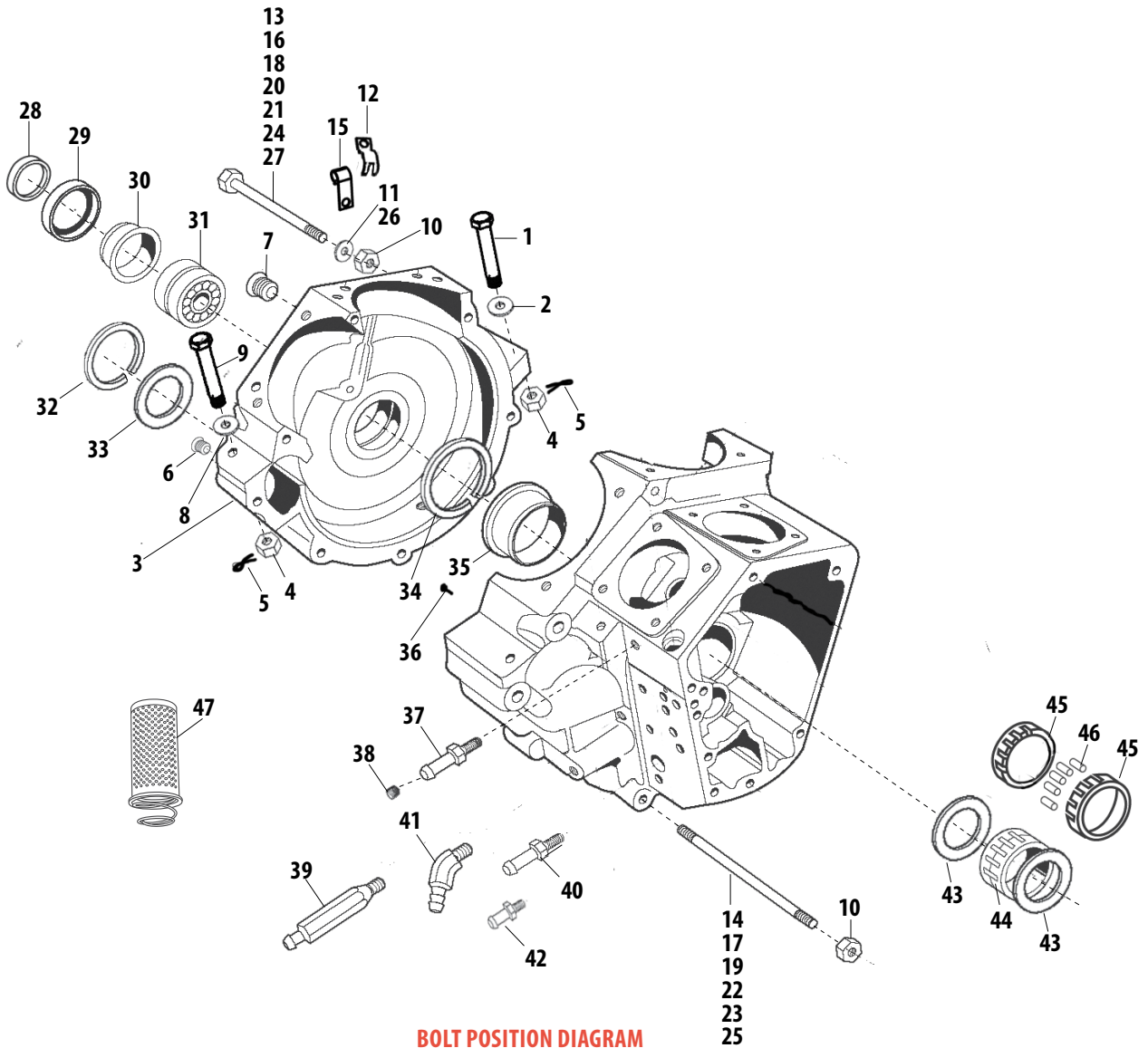
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#	Description	H-D Part No.	VVT Part No.
1	Bolt, Front Engine Mounting (2), 1941-'72	24791-36	—
	Bolt, 3/8-24 x 2-3/4 Hex. Hd. (2), 1973-'84	4401W	—
2	Washer, 3/8 x 13/16 x 7/64 (4), 1963-'84	6400HB	—
3	Set of Crankcases, 1966-'69 See chart for complete Crankcase Assembly	24519-66A	—
	Set of Crankcases, 1970-'72 See chart for complete Crankcase Assembly	24519-70	—
	Set of Crankcases, 1973-'84 See chart for complete Crankcase Assembly	24519-73H	—
	Set of Crankcases (Black), 1979-'82 (Special Order) See chart for complete Crankcase Assembly	24524-77E	—
4	Locknut, 3/8-24 x 7/16 x 9/16 Hex. (4), 1967-'84	7775	—
	Nut, 3/8-24 x 15/32 x 9/16 Hex. (4), 1941-'66	7809	—
5	Cotter Pin, 3/32 x 5/8 (4), 1941-'66	534	—
6	Drain Plug, 1941-'70	700	—
7	Plug, Timing Hole, 1941-'69	704	—
	Plug, Timing, Threaded, 5/8-18 UNF-2A x .545", Zinc, Steel, 1970-'84	720	31-2005
8	Washer, 3/8 x 13/16 x 7/64 (4), 1963-'84	6400HB	—
	Washer, 3/8 x 13/16 x 1/16 (2), 1941-'70	6701	—
9	Bolt, 3/8-24 x 3-1/2 Hex. Hd. (2), 1941-'84	4435W	—
10	Nut, 5/16-24 x 1/4 x 1/2 Hex., 1941-Early '81; 1982-'84 (For Screws in Position A-G)	7753	500-0315
11	Washer, Flat, .344" x .688" x .065", Zinc, Steel (14), Late 1979-'84 (For Screws in Position A-G)	6320, 70907-07, 6016, 6702	50-7034
12	Bracket, Clamp, Late 1982-'84	25405-82	—
13	Bolt, 5/16-24 x 5-1/2 Hex. Hd. (3; 5 - Late 1981), 1979-'81 (Position A)	3428	—
14	Stud, Crankcase Alignment, 5/16-24 UNF x 5.750", Zinc, Steel (2; 3 - 1984 & Later), 1982-'84 (Position A)	24806-36, 3506	31-2003
15	Clip, Air Cleaner Hose (Breather), Late 1978-Early '81 See chart for compatible Clamp	9979	—
16	Bolt, 5/16-24 x 5-1/2 Hex. Hd. (3; 5 - Late 1981), 1979-'81 (Position B)	3428	—
	Bolt, 5-3/8 Hex. Hd. (2), 1982-'84 (Position B)	3504	—
17	Crankcase Stud (2), 1976-'79 (Position B)	26390-68	—
18	Screw, HHC, Gr8, 5/16-24 x 5", Zinc, Steel, 1979-'84 (Position C)	3430	50-0119
19	Crankcase Stud, 5/16-24 x 5, 1941-'78 (Position C)	24805-30	—
20	Screw, HHC, Gr8, 5/16-18 x 3-1/2", Zinc, Steel (2), 1979-'84 (Position D & F)	3427	50-0117
21	Bolt, 5/16-24 x 5-1/2 Hex. Hd. (3; 5 - Late 81), 1979-'81 (Position E)	3428	—
	Bolt, 5/16-24 x 1/2 Hex. Hd. (3), 1976-'78 (Position E)	4806	—
22	Stud, Crankcase Alignment, 5/16-24 UNF x 5.750", Zinc, Steel (2; 3 - 84 & Later), 1982-'84 (Position E)	24806-36, 3506	31-2003
	Stud, Crankcase Alignment, 5/16-24 UNF x 6.050", Zinc, Steel (3), 1941-'75 (Position E)	24809-30	31-2034
23	Stud, Crankcase Alignment, 5/16-24 UNF x 5.750", Zinc, Steel (2; 3 - 1984 & Later), 1982-'84 (Position F)	24806-36, 3506	31-2003
	Crankcase Stud, 11/32 x 5-27/32 (2), 1948-'78 (Position F)	24815-40	—
24	Bolt, 5/16-24 x 5-1/2 Hex. Hd. (3; 5 - Late 1981), 1979-'81 (Position G)	3428	—
	Bolt, 5-3/8 Hex. Hd. (2), 1982-'84 (Position G)	3504	—
25	Stud, Crankcase Alignment, 5/16-24 UNF x 6.050", Zinc, Steel (3), 1941-'75 (Position G)	24809-30	31-2034
26	Washer, Flat, .344" x .688" x .065", Zinc, Steel (14), Late 1983-'84 (For Screw in Position H)	6320, 70907-07, 6016, 6702	50-7034
	Washer, Flat, .344" x .688" x .065", Zinc, Steel (13; 14 - 1980 & Later), 1979-Early '83	6320, 70907-07, 6016, 6702	50-7034
	Washer, 3/8 x 5/8 x 1/16 (2), Late 1974-'78	6774	—
27	Screw, HHC, Gr8, 5/16-18 x 3-1/2", Zinc, Steel (2), 1979-'84 (Position H)	3427	50-0117
	Bolt, 3/8-16 x 3-1/4 Hex. Hd. (2), 1941-'78	4432W	—
28	Spacer, Sprocket Shaft - 0.336 Thick, 1955-'64	24029-55	—
	Spacer, Sprocket Shaft - 0.06 Thick, 1970-'84	24032-70	—
	Spacer, Sprocket Shaft - 0.09 Thick, 1970-'84	24033-70	—
	Spacer, Sprocket Shaft - 0.12 Thick, 1970-'84	24034-70	—
	Spacer, Sprocket Shaft - 0.15 Thick, 1970-'84	24035-70	—
	Spacer, Sprocket Shaft - 0.18 Thick, 1970-'84	24036-70	—
	Spacer, Sprocket Shaft - 0.21 Thick, 1970-'84	24037-70	—
29	Seal, Left, Main Bearing, 1.750" x 2.507" x .3130", 1970-up bt 1970-'84	12026B	31-4010
30	Spacer, Sprocket Shaft, 70-up BT (HD#24002-70) 1970-'84	24002-70	31-4011
	Spacer, Drive Sprocket, 45A Charging System, 1.131" x 1.730" x .325", Fatigue Proof, 1970-'99 bt	24008-97	31-4033
31	Bearing, Assembly, Left, Main (Timken), 1969-'84	9028	31-4013

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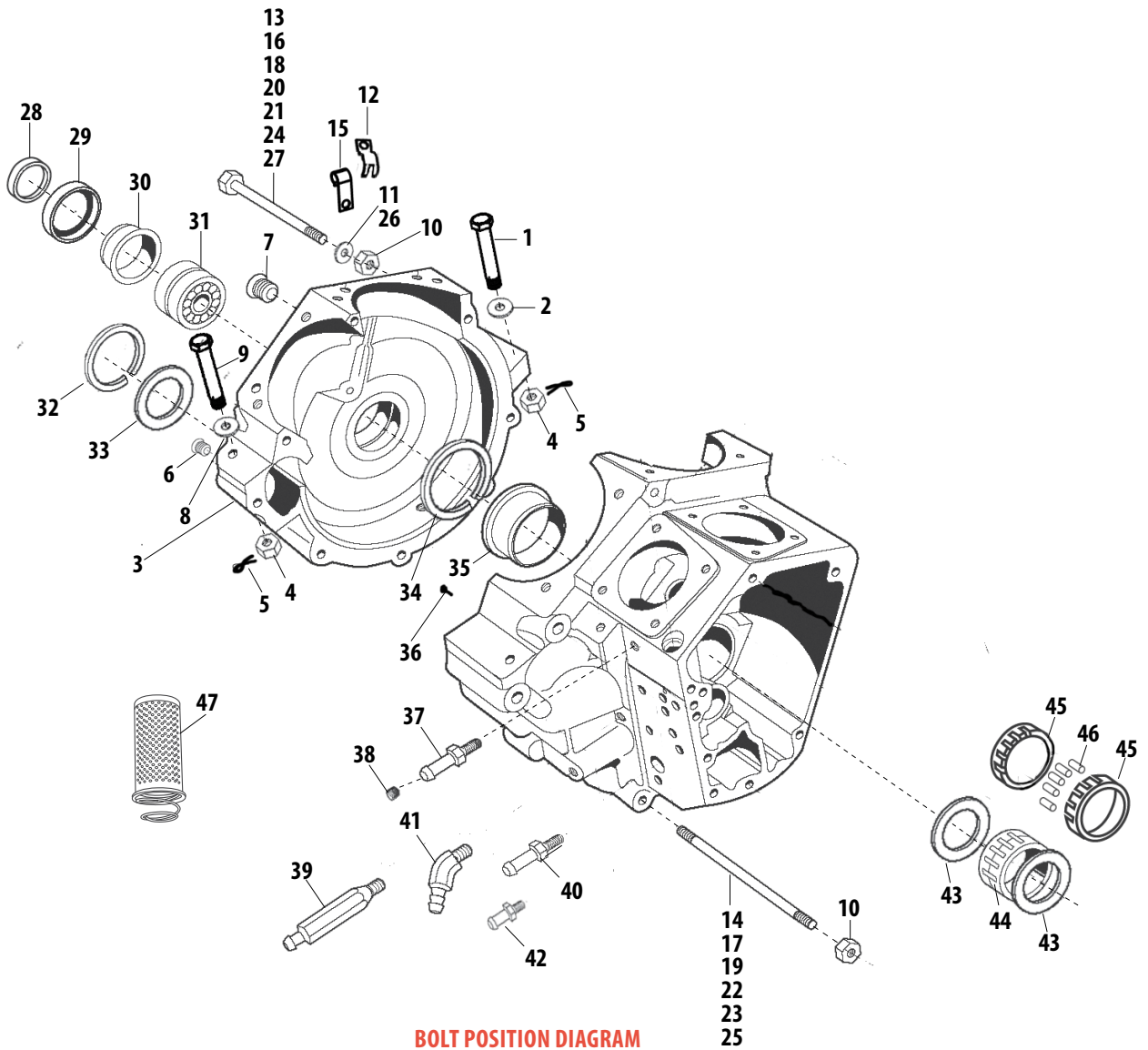
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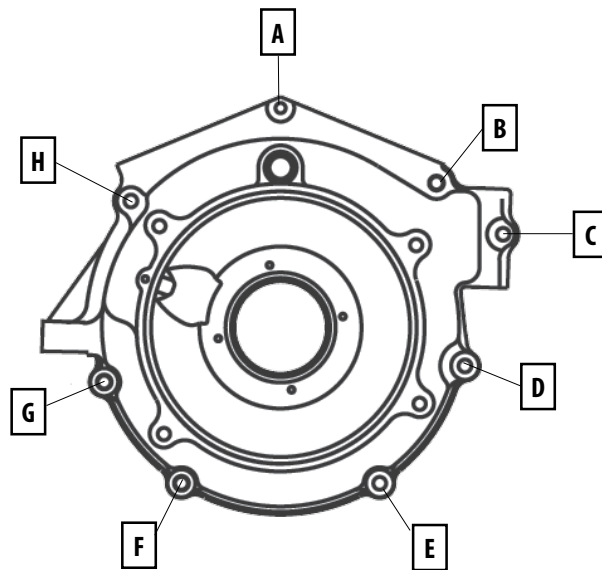
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32	Snap Ring, Bearing, Late 1983-'84	11160	—
33	Shim, Sprocket Shaft Bearing - 0.003, 1955-'68	23741-55	—
	Shim, Bearing Assembly, 0.0925-.0915, 1969-'84	9120	—
	Shim, Bearing Assembly, 0.0945-.0935, 1969-'84	9121	—
	Shim, Bearing Assembly, 0.0965-.0955, 1969-'84	9122	—
	Shim, Bearing Assembly, 0.0985-.0975, 1969-'84	9123	—
	Shim, Bearing Assembly, 0.1005-.0995, 1969-'84	9124	31-4071
	Shim, Bearing Assembly, 0.1025-.1015, 1969-'84	9125	31-4072
	Shim, Bearing Assembly, 0.1045-.1035, 1969-'84	9126	31-4073
	Shim, Bearing Assembly, 0.1065-.1055, 1969-'84	9127	31-4074
	Shim, Bearing Assembly, 0.1085-.1075, 1969-'84	9128	31-4075
	Shim, Bearing Assembly, 0.1105-.1095, 1969-'84	9129	—
	Shim, Bearing Assembly, 0.1125-.1115, 1969-'84	9130	—
	Shim, Bearing Assembly, 0.1145-.1135, 1969-'84	9131	—
	Shim, Bearing Assembly, 0.1165-.1155, 1969-'84	9132	—
	Shim, Bearing Assembly, 0.1185-.1175, 1969-'84	9133	—
	Shim, Bearing Assembly, 0.1205-.1195, 1969-'84	9134	31-4076
34	Retaining Ring, Right Bearing, 1958-'84	11007	—
35	Bushing, Right Crankcase, Standard, 1958-'84	24599-93, 24599-58A, 24599-58B	31-4004
	Bushing, Right Crankcase, +.002 O.S. O.D., 1958-'84	24600-58A	—
	Bushing, Right Crankcase, +.005 O.S. O.D., 1958-'84	24601-58B	31-4007
36	Screw, Crankcase Gear Side Bushing (2), 1954-'78	24608-54	—
37	Fitting, Pipe, Straight, 9/16-24 UNEF-2A x 1/8-27 NPT, Zinc, Brass, 1941-'64	63533-15	31-2018
38	Plug, Oil Pump Vent - Use W/24519-73D & 24524-77D Cases w/1980 & Earlier Pump, 1970-'80	723	310-0648
39	Fitting, Pipe, Straight, 1/8-27 NPTF x .420" x 3.110", Zinc, Steel, 1965 & '79-'84	63533-65, 63533-41A	31-2019
40	Fitting, Vent Hose, 1965 & Early '66; Late 1976-'78	63578-52	—
41	Tee, Rear Chain Oiler, 1970-'79	63541-70	—
42	Fitting, Vent Hose, Late 1966-'84	63533-41	—
43	Washer, Right Bearing (2) 1958-'84	24692-58	—
44	Right Bearing, Standard 1958-'81	24650-58	—
	Right Bearing, +.0001 O.S. 1958-'84	24650-81	—
	Right Bearing, +.0002 O.S. 1958-'84	24651-58	—
	Right Bearing, +.0003 O.S. 1958-'84	24649-81	—
	Right Bearing, +.0004 O.S. 1958-'84	24652-58	—
	Right Bearing, +.0005 O.S. 1958-'84	24645-81	—
	Right Bearing, +.0006 O.S. 1958-'84	24653-58	—
	Right Bearing, +.0008 O.S. 1958-'84	24654-58	—
	Right Bearing, +.0010 O.S. 1958-'84	24655-58	—
45	Retainer, Right Roller Bearing (2) 1958-'84	43578-35	—
46	Roller, Right Bearing, 0.250 x 0.490 Lg. - Standard (28) 1958-'81	9220A	—
	Roller, Right Bearing, +.0001 O.S. (28) 1958-'84	9219	—
	Roller, Right Bearing, +.0002 O.S. (28) 1958-'84	9221A	—
	Roller, Right Bearing, +.0003 O.S. (28) 1958-'84	9218	—
	Roller, Right Bearing, +.0004 O.S. (28) 1958-'84	9222A	—
	Roller, Right Bearing, +.0005 O.S. (28) 1958-'84	9217	—
	Roller, Right Bearing, +.0006 O.S. (28) 1958-'84	9223A	—
	Roller, Right Bearing, +.0008 O.S. (28) 1958-'84	9224A	—
	Roller, Right Bearing, +.0010 O.S. (28) 1958-'84	9225A	—
47	Filter, Oil, Perf-form, Drop In, 1958-E82 bt, 1953-'73 xl S&S K Model	63799-65A, 63840-53, 63826-53	310-0284

NOT DIRECT SERVICE PARTS (SOLD AS ASSEMBLIES) Note: These products are compatible services as assemblies.		
#	Description	VVT Part No.
3	Crankcase, Assembly, Stock Bore, bt, 2B Generator, Packaged, Natural, 1965-'69	31-0010
	Crankcase, Assembly, Stock Bore, bt, Alternator, Packaged, Natural, 1970-'84	31-0003
	Crankcase, Assembly, Special Order, bt, Alternator, Packaged, 1970-'99	31-0002
15	Clamp, Ignition Wire	50-0376-S



BOLT POSITION DIAGRAM



Note: VVT parts cross referenced to stock OEM parts are functionally identical, but may differ slightly in appearance. Line drawings are a typical representation and may not be an exact match. Please confirm the required stock part number for intended application before ordering. All reference to H-D® part numbers are for identification purposes only. We are in no way implying that any of the VVT products are original equipment parts or that they are equivalent to the corresponding H-D part number shown.

Parts for
Twin Cam 96™/103™
2007-2015

Parts for
Twin Cam 88®
1999-2006

Parts for
Evolution®
1984-1999

Parts for
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Parts for
Sportster®
1955-1985

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ALTERNATOR & REGULATOR SERVICE PARTS FOR HARLEY-DAVIDSON SHOVELHEAD MODELS

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Parts for
Twin Cam 88®
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Parts for
Evolution®
1984-1999

Parts for
Sportster®
1986-2015

Parts for
Sportster®
1955-1985

Parts for
Shovelheads

Parts for
Panheads

Parts for
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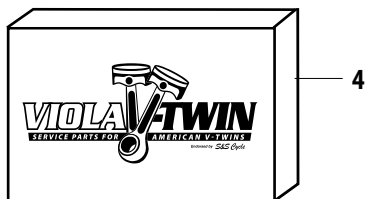
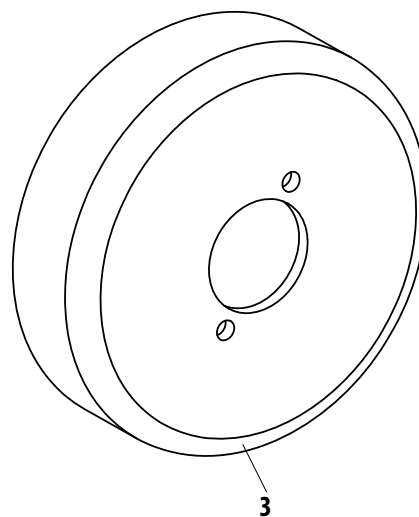
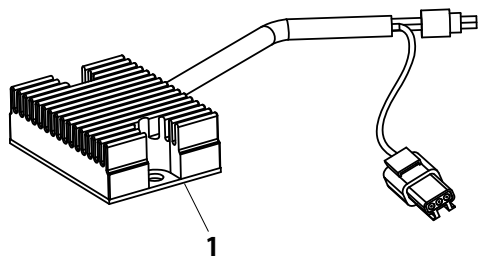
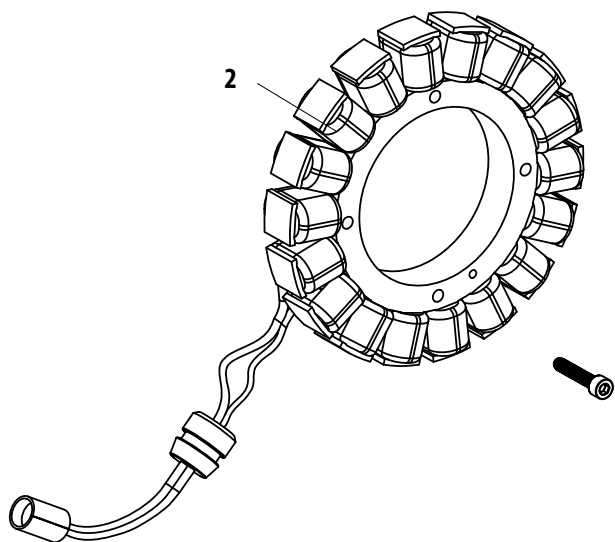
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#	Description	H-D Part No.	VVT Part No.
1	Regulator 1976-'80 BT	74512-79A	550-0314
	Regulator 22 amp 1981-'88 bt chrome	74512-86, 74513-82A, 74513-85, 74515-86, 74516-86	550-0335
2	Stator 1976-'80 BT 18A	29965-75	550-0323
	Generator 12V 1965-'81 65A (not shown)	29975-65A	550-0326
3	Rotor Assembly	29957-70A, 29957-81B	—

NOT DIRECT SERVICE PARTS (SOLD AS ASSEMBLIES) *Note: These products are compatible services as assemblies.*

#	Description	VVT Part No.
4	Complete Charging System 1970-'98 All Big Twins Not Stock Service For 1970-'84. Upgrade To 22A	550-0299
	12V Hi Output Charging System 1965-'84 Generator Models (Not Shown)	550-0328



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MANIFOLD SERVICE PARTS FOR HARLEY-DAVIDSON SHOVELHEAD MODELS (AND PANHEAD & IRONHEAD)

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Parts for
Twin Cam 88"
1999-2006

Parts for
Evolution®
1984-1999

Parts for
Sportster®
1986-2015

Parts for
Sportster®
1955-1985

Parts for
Shovelheads

Parts for
Panheads

Parts for
Knuckleheads

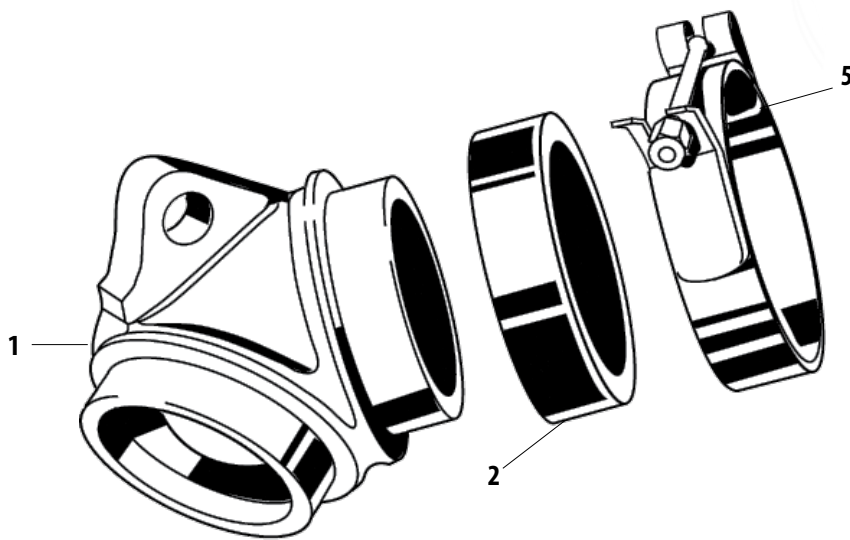
Parts for
Flatheads

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#	Description	H-D Part No.	VVT Part No.
1	Intake Manifold (O-ring style) 1955 - '65 bt (S&S A, B, E, Tillotson, Bendix & Keihin) <i>See chart for compatible Manifold</i>	—	—
	Intake Manifold (O-ring style) 1966 - '77 bt (S&S A, B, E, Tillotson, Bendix & Keihin) <i>See chart for compatible Manifold</i>	27021-71A	—
	Intake Manifold (O-ring style with VOES) 1966 - '77 bt (S&S A, B, E, Tillotson, Bendix & Keihin) <i>See chart for compatible Manifold</i>	—	—
	Intake Manifold (Band style) 1978 - '84 bt (S&S A, B, E, Tillotson, Bendix & Keihin) <i>See chart for compatible Manifold</i>	27021-78	—
	Intake Manifold (Band style with VOES) 1983 - '85, 900cc & 1000cc Ironhead xl (S&S A, B, E, Tillotson, Bendix & Keihin) <i>See chart for compatible Manifold</i>	—	—
	Intake Manifold (Band style) 1979 - '82, 900cc & 1000cc Ironhead xl (S&S A, B, E, Tillotson, Bendix & Keihin) <i>See chart for compatible Manifold</i>	27021-78	—
	Intake Manifold (O-ring style) 1957 - '82, 900cc & 1000cc Ironhead xl (S&S A, B, E, Tillotson, Bendix & Keihin) <i>See chart for compatible Manifold</i>	27021-57	—
2	Seal, Manifold, Band Style, 2.010" x 2.315" x .7870", Buna, 1979-'84 bt, 1979-'85 xl <i>each</i>	27062-78	16-0238
	Seal, Manifold, Band Style, 1979-'84 bt, 1979-'85 xl, <i>10 Pack</i>		16-0245
	O-ring, Manifold, 1955-'78 bt, 1957-'78 xl <i>each</i>	27060-55	50-8046
O-ring, Manifold, 1955-'78 bt, 1957-'78 xl, <i>10 pack</i>	50-8132		
—	Screw, #10-24 x 1-1/4" pozidrive fillister head (Not Shown)	930	—
—	Nut, #10-24 x 1/8" x 5/16" hex (Not Shown)	7504	—
—	Nut, #10-24 x 1/8" x 3/8" hex (Not Shown)	7620W	—
5	Clamp, Manifold, O-ring Style <i>S&S Clamp includes a screw and nut</i>	27063-57	16-0230
	Clamp, Manifold, Band Style <i>S&S Clamp includes a screw and nut</i>	27063-78, 27063-80	16-0231

NOT DIRECT SERVICE PARTS (SOLD AS ASSEMBLIES) *Note: These products are compatible services as assemblies.*

#	Description	VVT Part No.
1	Manifold,O-ring,1-7/8",#0,Natural,1955-'65 bt	16-1100
	Manifold,O-ring,1-7/8",#4,Natural,1955-'65 bt	16-1101
	Manifold,O-ring,1-7/8",#220,Natural,1957-'78 bt, xl	16-1200
	Manifold,O-ring,1-7/8",VOES,#220,Natural,1957-'78 bt, xl	16-1230
	Manifold,Band,1-7/8",#220,Natural,1979-'84 bt, xl	16-1300
	Manifold,Band,1-7/8",VOES,#220,Natural,1983-'85 xl	16-1400



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Note: VVT parts cross referenced to stock OEM parts are functionally identical, but may differ slightly in appearance. Line drawings are a typical representation and may not be an exact match. Please confirm the required stock part number for intended application before ordering. All reference to H-D® part numbers are for identification purposes only. We are in no way implying that any of the VVT products are original equipment parts or that they are equivalent to the corresponding H-D part number shown.



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Parts for
Twin Cam 88°
1999-2006

Parts for
Evolution®
1984-1999

Parts for
Sportster®
1986-2015

Parts for
Sportster®
1955-1985

Parts for
Shovelheads

Parts for
Panheads

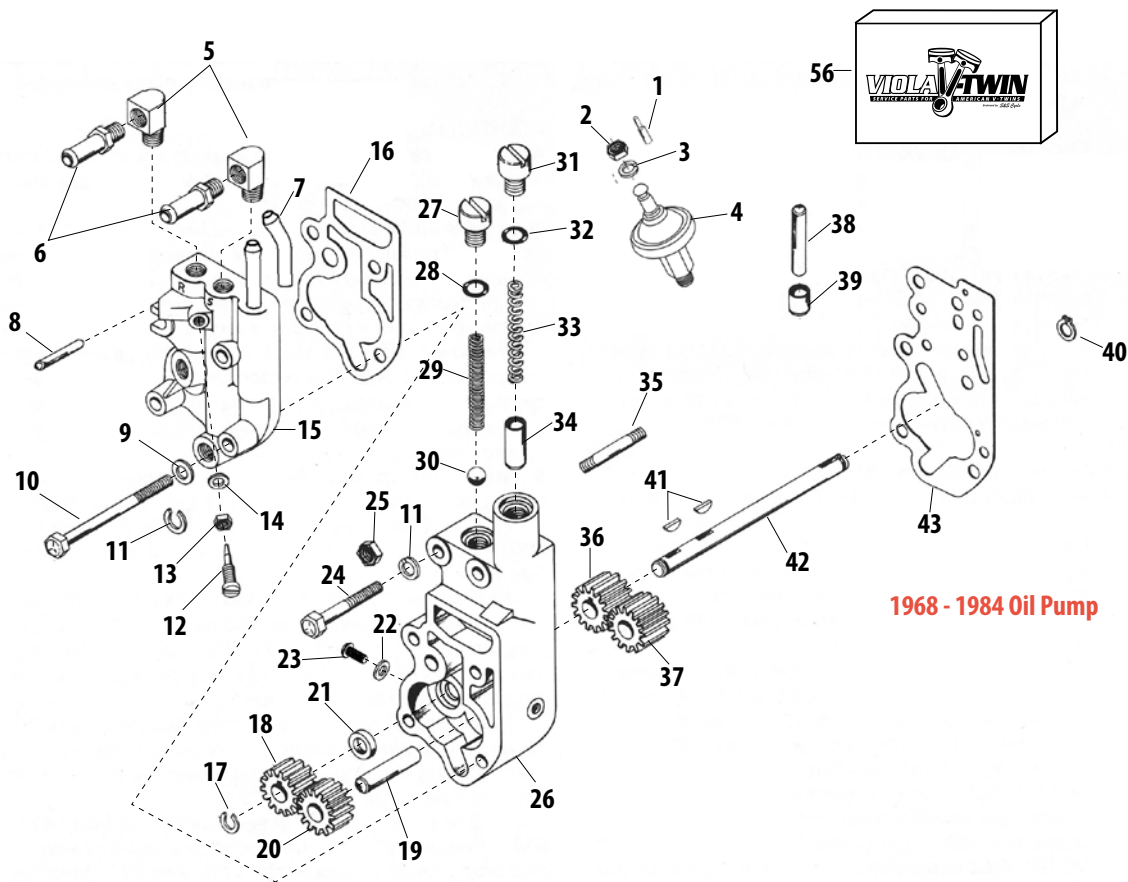
Parts for
Knuckleheads

Parts for
Flatheads

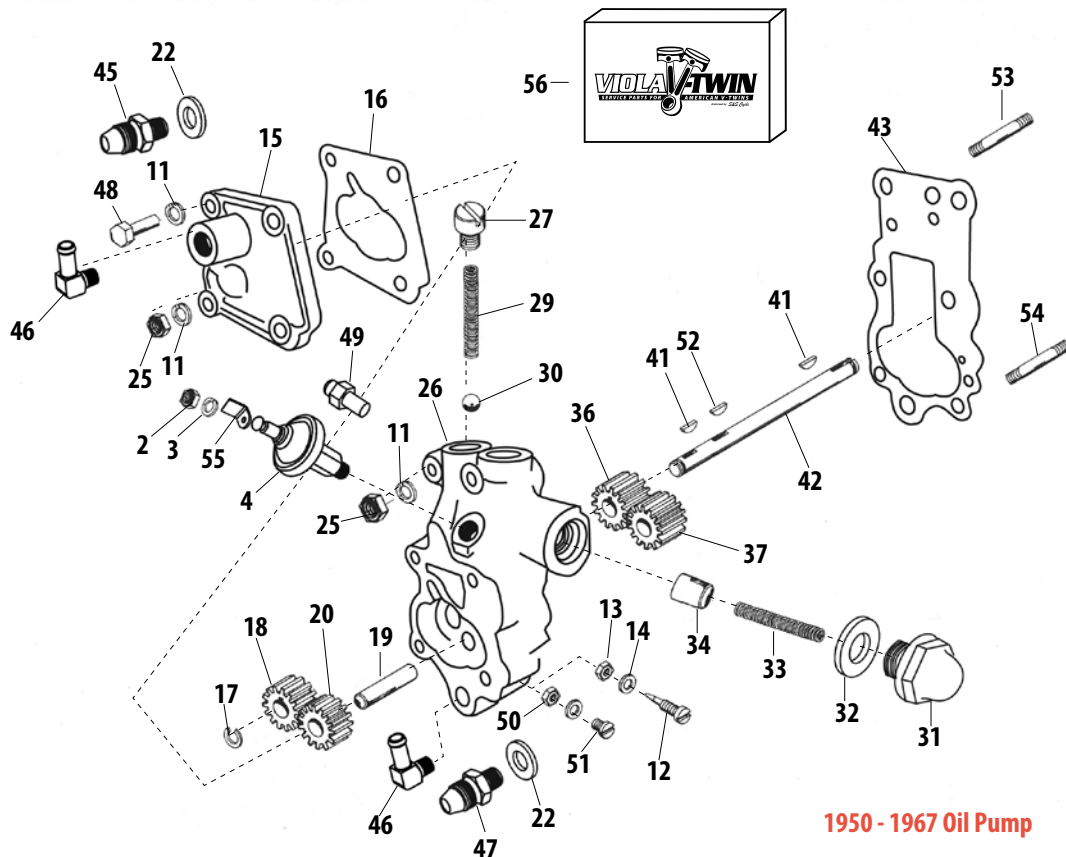
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#	Description	OLD H-D PN	H-D Part No.	VVT Part No.
1	Wire Terminal, Female Spade Type, 1/4 Slot, 14-18 Wire, 1941 - '81	—	9914	—
2	Nut, No. 10-32 x 1/8 x 5/16 Hex. (Brass), 1964 - '84	—	7634	—
3	Lockwasher, #10, 1964 - '84	—	7069	—
4	Oil Pressure Switch Only, 1941 - '84	—	26552-72	550-0395
	Oil Pressure Switch, 1984 - '99	—	26561-84	31-2016
5	Elbow, Fitting, Pipe, 90°, Male/Female, 1/8-27 NPTF x .500", Zinc Plated, Steel 1968 - '84 <i>each</i>	—	26338-68A, 26561-81A, 26561-84A,	106-2682
	Elbow, Fitting, Pipe, 90°, Male/Female, 1/8-27 NPTF x .500", Zinc Plated, Steel 1968 - '84 <i>2 Pack</i>	—	26338-68	50-8280
	Elbow, Fitting, Pipe, 90°, Male/Female, 1/8-27 NPTF x .500", Zinc Plated, Steel 1968 - '84 <i>5 Pack</i>	—	26338-68	50-1007
6	Fitting, Hose, Straight, 1/8-27 NPTF x .500", Zinc, Steel 1968 - '84	—	—	50-8115
7	Tube, Cover - Upper (Bent), Late 1978 - '84	—	26247-78	—
8	Tube, Pump & Cover, 1968 - Early '83	—	26265-68A	—
9	Washer, 1/4 x 5/8 x 1/16, Late 1980 - '84 <i>each</i>	—	6194, 6245, 6703,	50-7021
	Washer, 1/4 x 5/8 x 1/16, Late 1980 - '84 <i>10 Pack</i>	—	6736, 6228W, 6192	50-7074
10	Bolt, 1/4-20 x 2-3/4 Hex. Hd., 1979 - '84	—	3429	—
	Bolt, 1/4-24 x 2-3/4 Hex. Hd., 1968 - '78	—	5430W	—
11	Lockwasher, 1/4, 1936 - '84	0256, 362	7035, 7036	50-7019
12	Adjusting Screw, Chain Oiler, 1941 - '64; 1968 - Early '83	—	63610-70, 63614-72, 26383-32	31-6026
13	Nut, #10-32 x 1/8 x 3/8 Hex. Hd., 1941 - '64; 1968 & '69	—	7634, 7638	50-5000
14	Washer, 13/64 x 3/8 x 1/32 (Brass) 1933 - '69	0202	6150, 6156	50-7008
15	Cover, Oil Pump, 1950 - '64	—	26237-50	—
	Cover, Oil Pump, 1965 - '67	—	—	—
	Cover, Oil Pump, Late 1982 - Early '84	—	26234-82	—
	Cover, Oil Pump, Late 1982	—	26239-82	—
	Cover Assembly, Oil Pump, Late 1984	—	26278-84	—
16	Gasket, Oil Pump Cover, 1950 - '67	—	26257-50A	—
	Gasket, Oil Pump Cover, 1968	—	26258-68B	—
	Gasket, Oil Pump Cover (Paper), Late 1980 - '84	—	26276-80A	—
17	Retaining Ring, Drive Shaft, .382" x .021", 1936 - '84 <i>each</i>	695-36	695-36, 26348-36	50-8058
	Retaining Ring, Drive Shaft, .382" x .021", 1936 - '84 <i>10 Pack</i>	—	—	50-8106
18	Drive Gear, 1936 - '84 ('36-'67 Scavenge, '68-'84 Feed)	—	26328-74, 26320-36	31-6015
19	Idler Shaft, 1941 - Mid '62	697-41	26328-41	—
	Idler Shaft, Late 1962 - '67	—	26327-52	—
	Idler Shaft, Shaft, Idler, 4243" x 1.3350", Cold Drawn Steel, AISI 1215, 1968-'99 bt 1968 - '84	—	26327-68	31-6004
20	Scavenger Pump Idler Gear, 1941 - Mid '62 (23/64" Id) (Notch & Rotor Slot-Retrofit - '36)	691-49	26325-49	—
	Idler Gear, Late 1962 - '84 (7/16" Id) (L'62-'67 Scavenge, '68-'99 Feed)	—	26326-62A	31-6016
21	Oil Seal, 1968 - '84	—	26227-58	31-6005
22	Washer, 3/8 x 5/8 x 1/32, Late 1950 - '84	—	6377	—
23	Plug, Oil Pump Body, 1968 - '84	—	700	—
24	Bolt, 1/4-20 x 1-1/2 Hex. Hd., Zinc, Steel, 1979 - '84	—	2872W	50-0080
25	Nut, 1/4-24 x 5/32 x 5/16 Hex., 1950 - '79	—	7691W	—
26	Body, Oil Pump, 1950 - Mid '54 (No Service PN, See Pump Assembly PN)	—	—	—
	Body, Oil Pump, Late 1954 - Mid '62 (No Service PN, See Pump Assembly PN)	—	—	—
	Body, Oil Pump, Late 1962 - '64 (No Service PN, See Pump Assembly PN)	—	—	—
	Body, Oil Pump, 1965 - '67 (No Service PN, See Pump Assembly PN)	—	—	—
	Body, Oil Pump 1968 - '72 (No Service PN, See Pump Assembly PN)	—	—	—
	Body, Oil Pump 1973 - '84 (No Service PN, See Pump Assembly PN)	—	—	—
27	Plug, Screw, Oil Pump/Check Valve/Relief Valve, Bright Zinc Plated, Steel 1937 - '84 <i>each</i>	701-36	26263-80, 26362-36	31-6021
	Plug, Screw, Oil Pump/Check Valve/Relief Valve, Bright Zinc Plated, Steel 1937 - '84 <i>5 Pack</i>	—	—	31-7005
	Screw, Bypass & Check Valve Cover, Late 1952 - Mid '54	—	26423-52A	—
28	O-Ring, Check Valve Cover Screw, Late 1978 - '84 <i>each</i>	—	11105, 11273	50-8008
	O-Ring, Check Valve Cover Screw, Late 1978 - '84 <i>10 Pack</i>	—	—	50-8078
29	Spring, Check Valve, .020" Wire, .265" x .319" x 1.940", Music Wire, 1936-'99 bt 1936 - '84 <i>each</i>	703-36	26363-36, 26363-	31-6022
	Spring, Check Valve, .020" Wire, .265" x .319" x 1.940", Music Wire, 1936-'99 bt 1936 - '84 <i>10 Pack</i>	—	56, 26262-80	31-6092
30	Ball, Check Valve, .375", Stainless Steel 1936 - '84	283	8866, 8873	50-8091

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1968 - 1984 Oil Pump



1950 - 1967 Oil Pump

Note: VVT parts cross referenced to stock OEM parts are functionally identical, but may differ slightly in appearance. Line drawings are a typical representation and may not be an exact match. Please confirm the required stock part number for intended application before ordering. All reference to H-D® part numbers are for identification purposes only. We are in no way implying that any of the VVT products are original equipment parts or that they are equivalent to the corresponding H-D part number shown.

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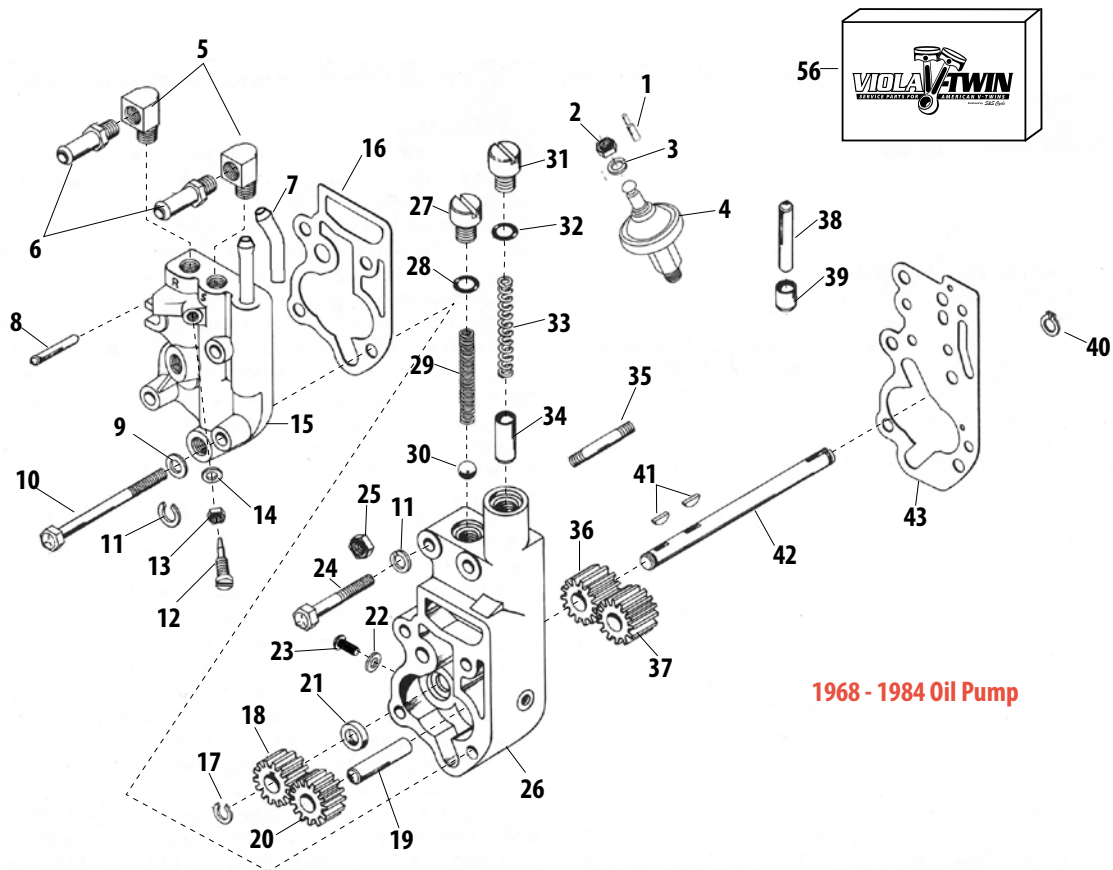
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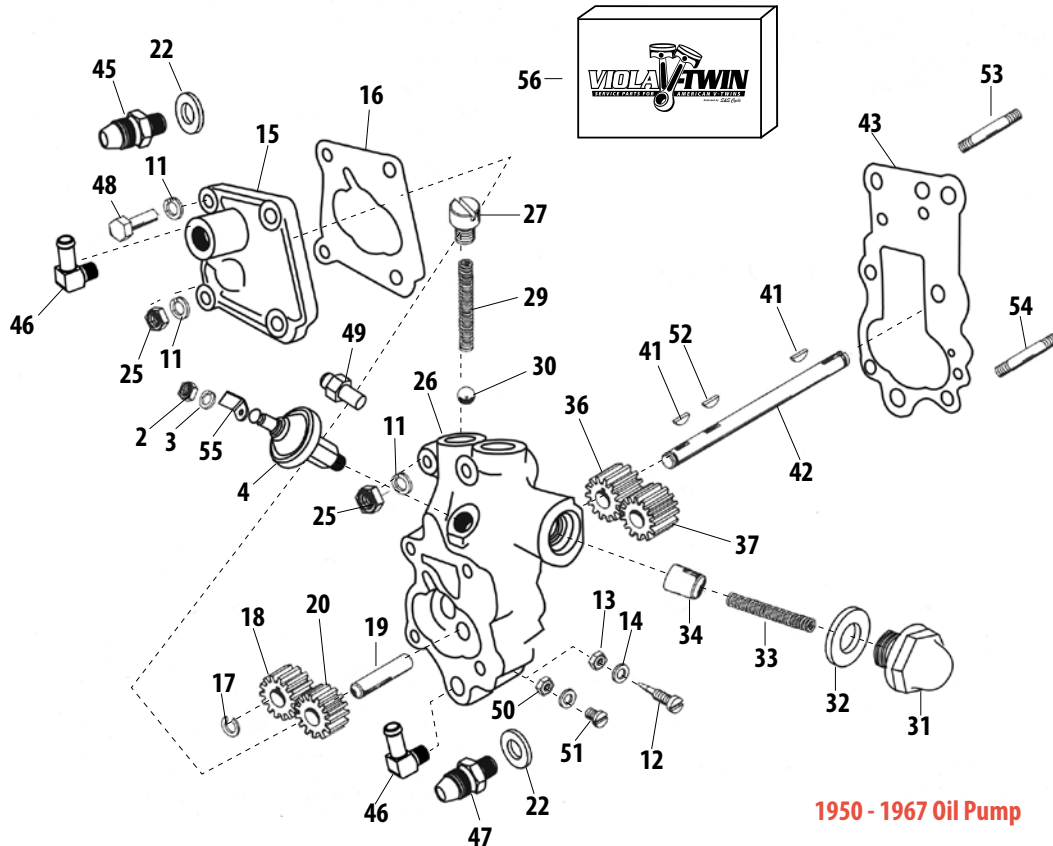
#	Description	OLD H-D PN	H-D Part No.	VVT Part No.
31	Screw, Bypass & Check Valve Cover, Late 1952 - Mid '54	—	26423-52A	—
	Screw, Bypass Cover, 1936 - Mid '52 & Late '54 - '67	707-36	26367-36	—
	Plug, Relief Valve, 1968 - '80	—	26377-68	—
	Screw, Oil Pump/Check Valve/Relief Valve, Bright Zinc Plated, Steel, 1981 - '84 <i>each</i>	—	26263-80, 26362-36	31-6021
	Screw, Oil Pump/Check Valve/Relief Valve, Bright Zinc Plated, Steel, 1981 - '84 <i>10 Pack</i>	—	—	31-7005
32	Washer, 17/32 x 15/16 x 1/64 (Brass) 1954 - '78	—	6581	—
	Washer, Relief Valve Plug (Felt) 1954 - '80	—	26231-78	—
	O-Ring, Check Valve Cover Screw, O-ring, (-013), .437" ID x .565" OD, Viton Late 1978 - '84 <i>each</i>	—	11105, 11273	50-8008
	O-Ring, Check Valve Cover Screw, O-ring, (-013), .437" ID x .565" OD, Viton Late 1978 - '84 <i>10 Pack</i>	—	—	50-8078
33	Spring, Relief Valve, .040" Wire, .242" x .324" x 2.32", ASTM A-229, 1936-'99 bt 1936 - '84	713-36, 713-42	26207-83	31-6018
34	Valve, Oil Pump, Late 1954 - Early '82	—	26400-54	—
	Valve, Oil Pump, Late 1982 - '99	—	26400-82, 26400-82B	31-6082
35	Mounting Stud, Oil Pump, 1968 - '79	—	26390-68	—
36	Drive Gear, 1948 - '67 (.990 OD x 7/16" ID x .380 Wide)	688-48	26315-48	—
	Drive Gear, 1968 - '84	—	26315-68A	31-6013
37	Idler Gear, 1948 - '61 (.990 OD x 23/64" ID x .380 Wide) (w/Crankcase Stub)	689-48	26317-48	—
	Idler Gear, 1962 - '67 (.990 OD x 7/16" ID x .380 Wide) (w/o Crankcase Stub)	—	26317-62	—
	Idler Gear, 1968 - '84	—	26317-68A	31-6014
38	Dowel Pin, 1980 - Early '82	—	223	—
39	Valve, Oil Pump, Late 1954 - Early '82	—	26400-54	—
40	Retaining Ring, Oil Pump, 1970 - '84 <i>each</i>	—	11002	50-8059
	Retaining Ring, Oil Pump, 1970 - '84 <i>10 Pack</i>	—	—	50-8107
41	Key, Drive Shaft, 1936 - '49, 1941 - '84 <i>each</i>	634-15	26347-15	50-8220-S
	Key, Drive Shaft, 1936 - '49, 1941 - '84 <i>10 Pack</i>	—	—	50-8229
42	Drive Shaft, 1936 - '67	638-36	26346-36	—
	Drive Shaft, Shaft, Drive, Oil Pump, .4223" x 4.650", Cold Drawn Steel, AISI 1146, 1968-'99 bt 1970 - '84	—	26346-70	31-6011
43	Gasket, Oil Pump Body, 1941 - '67	589-41	26245-41	—
	Gasket, Oil Pump Body, 1968 - Early '80	—	26246-68A	—
	Gasket, Oil Pump Body (Paper), Late 1980 - '84	—	26273-80B	—
44	Oil Pump Assembly, 1950 - Mid '54 (Non-Rotor Cover) <i>See chart complete Billet Oil Pump Kit</i>	587-50	26201-48	—
	Oil Pump Assembly, Late 1954 - Mid '62 <i>See chart complete Billet Oil Pump Kit</i>	587-50	26201-48A	—
	Oil Pump Assembly, Late 1954 - Mid '62 (Pressure Switch Changes) <i>See chart complete Billet Oil Pump Kit</i>	—	26201-48B	—
	Oil Pump Assembly, Late 1954 - Mid '62 (Pressure Switch Changes) <i>See chart complete Billet Oil Pump Kit</i>	—	26201-48C	—
	Oil Pump Assembly, Late 1962 - '64 <i>See chart complete Billet Oil Pump Kit</i>	—	26201-48D	—
	Oil Pump Assembly, 1965 - '67 <i>See chart complete Billet Oil Pump Kit</i>	—	26201-65	—
	Oil Pump Assembly, 1968 - '72 <i>See chart complete Billet Oil Pump Kit</i>	—	26200-68B	—
	Oil Pump Assembly, 1973 - '84 <i>See chart complete Billet Oil Pump Kit</i>	—	26190-73	—
45	Fitting, Pump Cover, 1950 - '64	—	26424-50	—
46	Fitting, Oil Line Hose, 1965 - '67	—	63540-62	—
47	Fitting, Oil Line (Short), 1948 - '64	3577-15	63533-15	—
48	Oil Pump Mounting Stud Nut, 1941 - '49	591-41A	24831-41	—
49	Fitting, Oil Pressure Switch, 1958 - '67	—	26569-58	—
50	Locknut, No. 10-32 x 3/16 x 3/8 Hex., 1941 - '67	—	7626W	—
51	Screw, No. 10-32 x 5/16 Phillips Hd, 1965 - '67	—	1183	—
52	Key, Oil Pump Gear, 1936 - '67	693-36	26340-36	—
53	Mounting Stud, 1-11/16, 1941 - '67	591-36	24819-36	—
54	Mounting Stud, 2-1/4, 1941 - '67	591-36A	24820-36	—
55	Terminal, Oil Pressure Switch, Late 63 - 67	—	26560-63	—
56	Hardware Kit, Oil Pump Cover, Billet, 1936-'91 bt	—	—	31-6283
	Hardware Kit, Chain Oiler, 1936-'91 bt	—	—	31-6291
	Hardware Kit, Oil Pump Mounting, Billet, 1936-Up bt	—	—	31-6288

NOT DIRECT SERVICE PARTS (SOLD AS ASSEMBLIES) <i>Note: These products are compatible services as assemblies.</i>				
#	Description			VVT Part No.
44	Oil Pump, Kit, Universal, Silver Powdercoat, Billet, 1936-'69 bt			106-4688
	Oil Pump, Kit, Universal, Polished, Billet, 1936-'69 bt			31-6200
	Oil Pump, Kit, Universal, Polished, Billet, 1970-'91 bt ('73-E'81 req case mod - drill jig 53-0013)			31-6203

Harley-Davidson® Shovelhead Models



1968 - 1984 Oil Pump



1950 - 1967 Oil Pump

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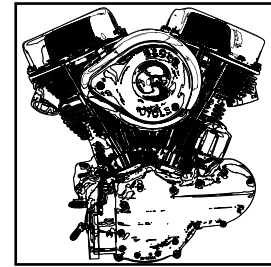
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HARLEY-DAVIDSON PANHEAD MODELS



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Crate Engines	VWT Part No.
Engine, P74, Super E, Super Stock Ignition, 513G Cam, Natural w/ Silver Cylinders, 1948-'64 bt	310-0224

GASKET KITS

#	Description	OLD H-D PN	H-D Part No.	VWT Part No.
	Gasket Kit, Complete, Stock Bore, 1948-'65 panhead FL, FLH	-	17029-48	310-0422
	Gasket Kit, Top End, Stock Bore, panhead 1948-'65	-	17034-48	900-0589

PRIMARY HOUSING GASKET KITS FOR PANHEAD AND KNUCKLEHEAD

#	Description	OLD H-D PN	H-D Part No.	VWT Part No.
	Gasket, Inspection Cover, 1936-'64 FL, 1958-'69 xlch, <i>5 Pack</i>	-	60567-36	560-0072
	Primary Lock Tab, 1955-'64 bt, <i>10 pack</i>			560-0115

LUBRICANTS

#	Description	VWT Part No.
	S&S 20w50 Premium Synthetic Engine Oil	310-0285
	S&S 20w50 Heavy Duty Engine Oil	310-0287
	S&S Petroleum 25w60 Engine Oil	310-0289
	S&S 75w140 Premium Synthetic Transmission Oil	310-0292
	S&S 85w140 Heavy Duty Transmission Oil	310-0291
	S&S 85w Extreme Duty Primary Oil	310-0290

OIL FILTERS

#	Description	H-D Part No.	VWT Part No.
	1958-'82 BT models with in tank oil filter	63799-65A, 63840-53, 63826-53	310-0284

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Harley-Davidson® Panhead Models

#	Description	OLD H-D PN	H-D Part No.	VVT Part No.
	Piston,Set,3-7/16",Standard,74",LC,Forged,.791" WP,1936-'84 bt		22101-48, 22101-41	106-5495
	Piston with Rings and Pin +.005 (High Compression) 1948-'65, 74"		22102-48	—
	Piston,Set,3-7/16",+.010",74",LC,Forged,.791" WP,1936-'78 bt		22103-41, 22103-48	106-5496
	Piston,Set,3-7/16",+.020",74",LC,Forged,.791" WP,1936-'78 bt		22104-41, 22104-48	106-5497
	Piston,Set,3-7/16",+.030",74",LC,Forged,.791" WP,1936-'78 bt		22105-41, 22105-48	106-5498
	Piston,Set,3-7/16",+.040",74",LC,.791" WP,1936-'78 bt		22106-41, 22106-48	106-5773
	Piston with Rings and Pin +.050 (High Compression) 1948-'65, 74"		22107-48	—
	Piston with Rings and Pin +.060 (High Compression) 1948-'65, 74"		22108-48	—
	Piston with Rings and Pin +.070 (High Compression) 1948-'65, 74"		22109-48	—
	Piston with Rings and Pin Standard (Low Compression) 1948-'65, 74"		22216-48	—
	Piston with Rings and Pin +.005 (Low Compression) 1948-'65, 74"	255-48A	22217-48	—
	Piston with Rings and Pin +.010 (Low Compression) 1948-'65, 74"	255-48C	22218-48	—
	Piston with Rings and Pin +.020 (Low Compression) 1948-'65, 74"	255-48D	22218-48	—
	Piston with Rings and Pin +.030 (Low Compression) 1948-'65, 74"	255-48E	22219-48	—
	Piston with Rings and Pin +.040 (Low Compression) 1948-'65, 74"	255-48F	22220-48	—
	Piston with Rings and Pin +.050 (Low Compression) 1948-'65, 74"	255-48G	22221-48	—
	Piston with Rings and Pin +.060 (Low Compression) 1948-'65, 74"	255-48H	22222-48	—
	Piston with Rings and Pin +.070 (Low Compression) 1948-'65, 74"	255-48JA	22223-48	—
	Piston with Rings and Pin +.070 (Low Compression) 1948-'65, 74"	255-48KA	22224-48	—
15	Ring Set, Standard, 1948-'52, 61"	262-48	22325-48	—
	Ring Set, +.005 1948-'52, 61"	262-48C	22326-48	—
	Ring Set, +.010 1948-'52, 61"	262-48D	22327-48	—
	Ring Set, +.020 1948-'52, 61"	262-48E	22328-48	—
	Ring Set, +.030 1948-'52, 61"	262-48F	22329-48	—
	Ring Set, +.040 1948-'52, 61"	262-48G	22330-48	—
	Ring Set, +.050 1948-'52, 61"	262-48H	22331-48	—
	Ring Set, +.060 1948-'52, 61"	262-48JA	22332-48	—
	Ring Set, +.070 1948-'52, 61"	262-48KA	22333-48	—
	Ring,Set,Piston,3-7/16",Standard,Moly Faced,.0625, .0625, .184,1966-'84 bt		22325-55B, 22355-53, 22355-48, 22355-41	94-2200X
	Ring, Set, +.005, 1948-'65, 74"		22356-48	—
	Ring,Set,Piston,3-7/16",+.010",Moly Faced,.0625, .0625, .184,1966-'84 bt		22327-55B, 22357-48, 22357-41	94-2201X
	Ring,Set,Piston,3-7/16",+.020",Moly Faced,.0625, .0625, .184,1966-'84 bt		22328-55B, 22358-53, 22358-48, 22358-41	94-2202X
	Ring,Set,Piston,3-7/16",+.030",Moly Faced,.0625, .0625, .184,1966-'84 bt		22329-55B, 22359-48, 22359-41	94-2203X
	Ring,Set,Piston,3-7/16",+.040",Moly Faced,.0625, .0625, .184,1966-'84 bt		22330-55B, 22360-48, 22360-41	94-2204X
	Ring, Set, +.050, 1948-'65, 74"		22361-48	—
	Ring, Set, +.060, 1948-'65, 74"		22362-48	—
	Ring, Set, +.070, 1948-'65, 74"		22363-48	—
16	Head Bolt,Kit,Hex,7/16-20 x 2-3/8",Stock 1948-'65 OHV bt & 3-5/16	14-48	16814-48	106-4523
17	Washer,Head Bolt,Cadmium Plated,1936-'64 OHV bt	15-36	6469	-
18	Gasket,Front,Base,,Stock Bore,PF4N,1936-'65 bt		16814-48	106-5931
	Gasket,Rear,Base,,Stock Bore,PF4N,1936-'65 bt		16777-48	106-5932
19	Nut,Cylinder Base,HH,7/16-20 UNF-2B,Cadmium Plated,Stock 1930-'78 bt See chart for Nut and Washer Kit and optional Stainless Steel version	0134	16602-30	-
	Washer,Lock,7/16",Cadmium Plated	0265	7055W	-

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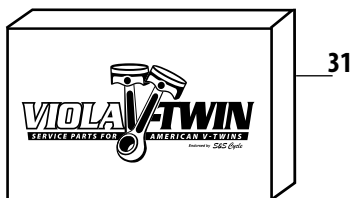
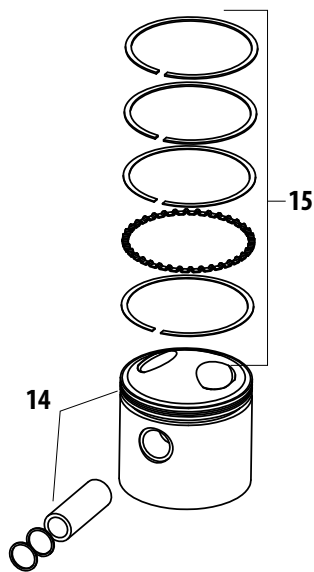
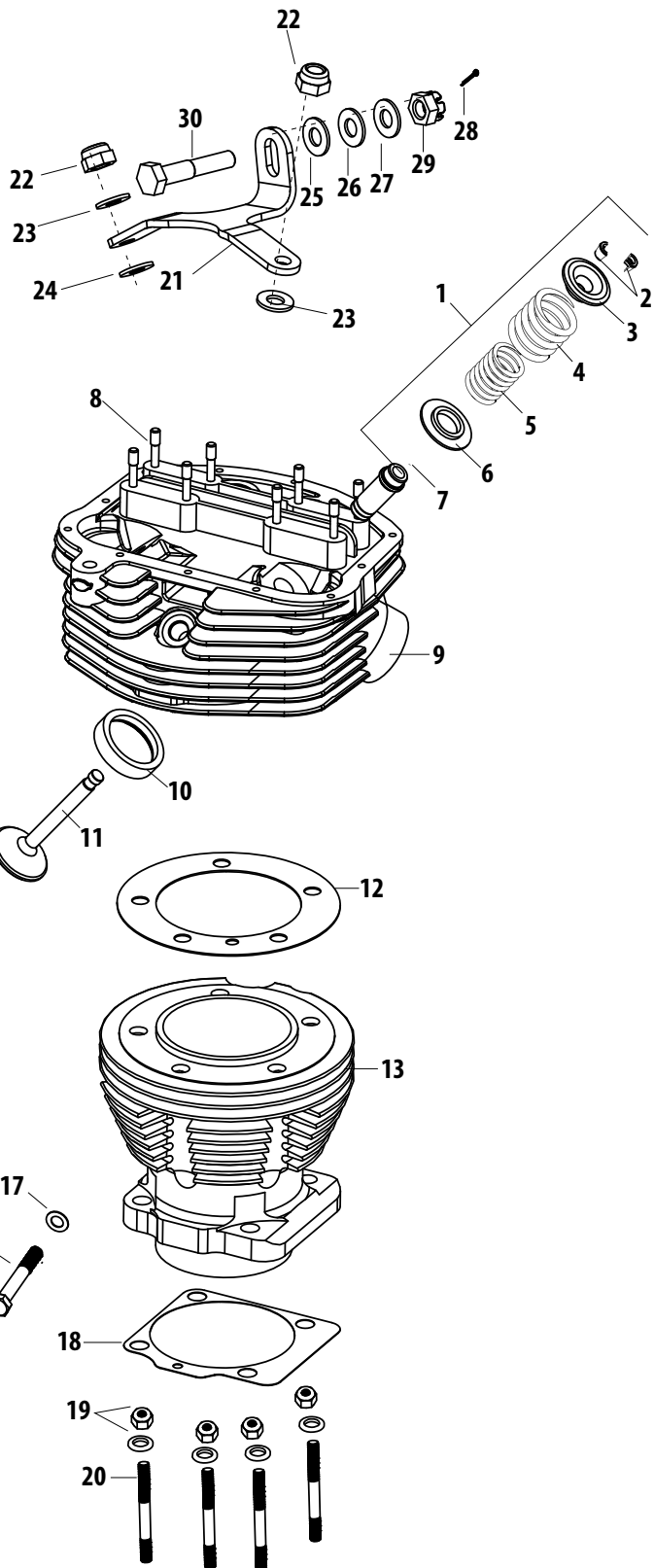
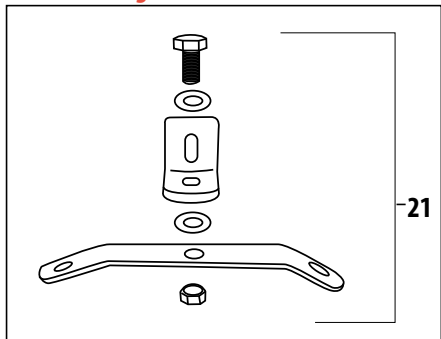
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#	Description	OLD H-D PN	H-D Part No.	VVT Part No.
20	Stud, Cylinder Base, 7/16-14 UNC, 7/16-20 UNF x 2.0, Zinc, Steel	29-30	16831-30	31-2328-S
21	Bracket, Engine Mounting, 1948-'65 See chart for complete Engine Mount Kit		16853-48	—
22	Nut, Lock, HH, 7/16-20, Steel/Nylon		7825	50-5045
23	Washer, Flat, .469" x .922" x .125", Zinc, Steel		6495HW	50-7064
24	Washer, 7/16 x 1-1/8 x 1/16 (2), 1948-'65		6516HW	—
25	Washer, 29/64 x 1-1/8 x 1/64, 1941-'65		6524W	—
26	Washer, 29/64 x 1-1/8 x 5/32 (2), 1941-'65		6522HB	—
27	Washer, 29/64 x 1-1/8 x 3/32, 1941-'65		6521W	—
28	Cotter Pin, 3/32 x 7/8, 1952-'65		534	—
29	Castle Nut, 7/16-20, 1952-'65		7867W	—
30	Bolt, Engine Bracket - Center, 1952-'65		16865-52	—
31	Gasket Kit, Top End, Stock Bore, Panhead 1948-'65		17034-48	900-0589
	Gasket Kit, Complete, Stock Bore, Panhead 1948-'65		17029-48	310-0422

NOT DIRECT SERVICE PARTS (SOLD AS ASSEMBLIES) Note: These products are compatible services as assemblies.

#	Description	VVT Part No.
1	Spring, Kit, Valve, OEM, 1948-'65 bt	900-0738
	Spring, Kit, Valve, Triple, Steel, .590", 1948-'81 bt	90-2060
	Spring, Kit, Valve, Dual, Steel, .550", 1948-'84 bt	90-2053
7	Valve Guide, Intake, +.025", 1948-'65 bt	900-0744
	Valve Guide, Exhaust, +.025", 1948-'65 bt	900-0746
19	Nut, Kit, Base, Cadmium Plated, Stock Bore 1930-'78 bt (includes 8 nuts and 8 washers)	106-4522
	Nut, Cylinder Base, HH, 7/16-20 UNF-2B x .910", Polished, Stainless Steel, 416 each	93-3063-S
	Nut, Cylinder Base, HH, 7/16-20 UNF-2B x .910", Polished, Stainless Steel, 416 8 pack	93-3063
21	Mount, Top, Engine, 2-Piece, Natural, Steel, 1948-'84 bt	93-4057

S&S Mounting Bracket



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ROCKER ARMS AND PUSHRODS SERVICE PARTS FOR HARLEY-DAVIDSON PANHEAD MODELS

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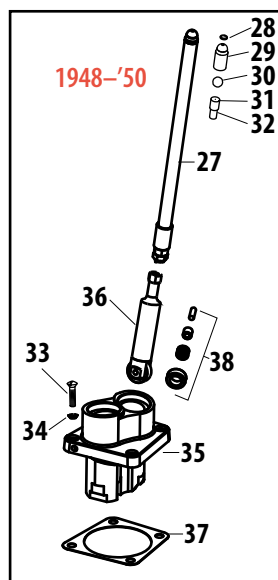
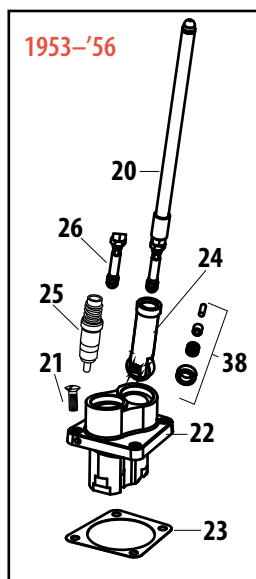
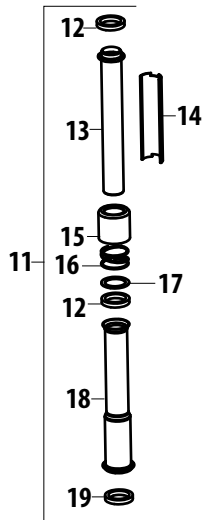
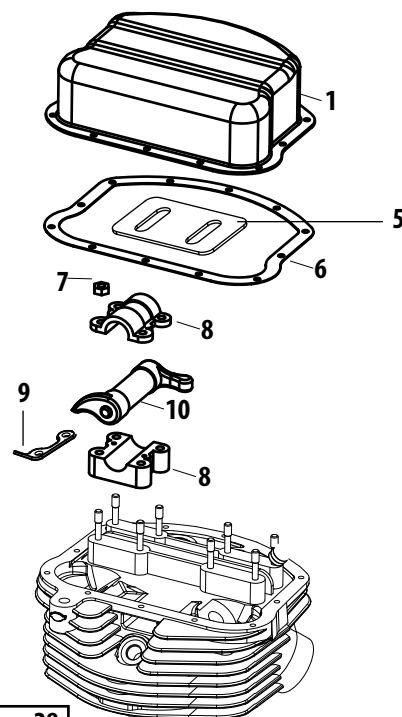
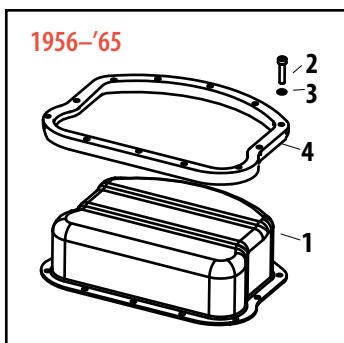
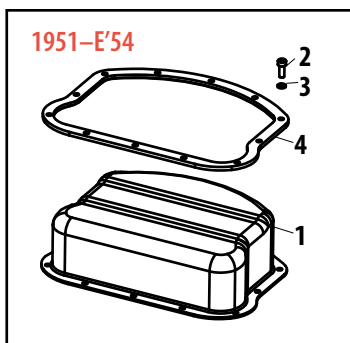
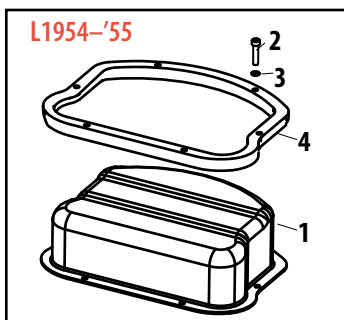
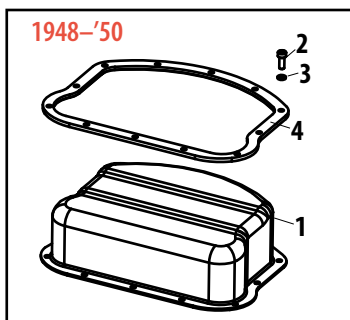
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#	Description	OLD H-D PN	H-D Part No.	VVT Part No.
1	Rocker Arm Cover, Cover,Set,Rocker Arm,Chrome,Steel,1948-'65 bt(12 bolt chromed steel) <i>See chart for complete Rocker Arm Cover Set</i>			—
	Rocker Arm Cover 1949-'E54 & 56 OHV BT (12 bolt polished stainless steel) <i>See chart for complete Rocker Arm Cover Set</i>	173-48	17500-48	—
	Rocker Arm Cover L1954-'55 OHV BT (6 bolt polished stainless steel)			—
	Rocker Arm Cover 1957-'65 OHV BT (12 bolt polished aluminum) <i>See chart for complete Rocker Arm Cover Set</i>			—
2	Screw, #10-24 x 7/16" recessed round head phillips 1948 OHV BT <i>See chart for chrome option</i>		2675	—
	Screw,SHC,10-24 x 3/4",Chrome, Allen Head, 1949-'E54 & 56 OHV BT		2675, 2674	106-0913
	Screw, #10-24 x 9/16" round head phillips 1949-'E54 & 56 OHV BT <i>See chart for chrome option</i>		2678	—
	Screw, #10-24 x 1-1/4" hex head (1/4" hex) L1954-'65 OHV BT		3578W	—
3	Washer, No. 10 lock, 1948-'53	0254	7021	—
	Washer, No. 10 x 3/8" x 1/16", 1954-'65	—	6150W	50-7009
4	Ring,Set,Rocker Cover,D Style,1948-'65 bt <i>2 Pack</i>	—	17507-51	106-0920
	Ring, Rocker Cover, D Style, 49/64" thick aluminum, 6 bolt, E1954-'55 OHV BT	—	17509-54	—
	Ring, Rocker Cover, D Style, 49/64" thick aluminum, 12 bolt, E1956-'65 OHV BT	—	17509-54	—
5	Pad, Rocker Arm Cover, 1948-'65 - FL, FLH		17507-48	—
6	Gasket, Rocker Cover, Rubber, 1948-'65 OHV bt		117541-48	900-0329
	Gasket, Set, Rocker Cover, Rubber, 1948-'65 OHV bt		117541-48	900-0339
7	Locknut, 5/16-24 x 1/4 x 1/2 hex. (8), 1948-'65 - FL, FLH		7727	—
8	Rocker Arm Bearing Front And Rear Exhaust 1949-'65 OHV BT (1948 exhaust and intake)	180-48	17611-48	—
	Front Intake Rocker Arm Bearing 1949-'65 OHV BT	180-49	17615-49	—
	Rear Intake Rocker Arm Bearing 1949-'65 OHV BT	180-49A	17614-49	—
9	Oiler, Front Intake Valve, 1949-'65 - FL, FLH		18100-49	—
	Oiler, Rear Intake Valve, 1949-'65 - FL, FLH		18102-49	—
10	Rocker Arm, Rear Exhaust and Front Intake, 1948-'65 - FL, FLH	98-48	17360-48	—
	Rocker Arm, Rear Intake and Front Exhaust, 1948-'65 - FL, FLH	99-48	17375-48	—
11	Pushrod Cover Kit, 1948-'1979 OHV, includes #32-39			—
12	O-ring,Square,.1875"	145-36	17955-36	106-3849
13	Pushrod Cover,Top,Natural,Zinc Plated,Steel,Stock 1936-'47 OHV bt & KN-Series	134-36	17935-36	106-3850
	Cover, Upper Pushrod (4-1/2"), 1948-'65 OVH bt & 1957-'85 xl	134-48	17935-48B	—
14	Cover Keeper,Set,Pushrod,2.400",Chrome		17950-48	93-4070
15	Cap,Pushrod Cover,1936-up bt, 1957-'90 xl	138-36	17945-36B	93-4017
16	Spring,Pushrod Cover Cap,.080" Wire,.730" x .890" x .925",Steel,1936-up bt, 1957-'90 xl	140-36	17947-36	93-4018
17	Washer,Flat,.715" x .950" x .031",Steel	146-36	6762B	50-7131
18	Cover, Lower Pushrod (2), 1948-'65		17938-48B	—
19	Cork Washer, Pushrod Cover - Lower (2), 1948-'65		17955-48	—
	O-ring,Quad Seal,(-119),.937" ID x 1.125" OD,Viton		11133A	50-8064-S
20	Pushrod,Set,Non-Adjustable,Stock,Steel,1948-'65 bt		17905-53B	93-5059
21	Screw, Tappet Guide (4), Late 1953-'65 - FL, FLH		18660-53	—
	Screw, 1/4-24 x 7/8, 12 pt. hd. (4), Late 53-'65 - FL, FLH		3750	—
22	Guide, Front Tappet, Cast Iron (Silver Paint) (Casting Number 18600-53) 1953-'65		18600-53	—
	Guide, Rear Tappet, Cast Iron (Silver Paint) (Casting Number 18600-53) 1953-'65		18610-53	—
23	Gasket,Set,Tappet Guide,1948-'99 bt <i>2 Pack</i>		18633-48B, 18633-48D	33-5302
	Gasket,Set,Tappet Guide,1948-'99 bt <i>10 Pack</i>		18634-48C	33-5313
24	tappet, Hydraulic, roller, 53-84 bt <i>4 Pack</i>		25556-36, 18522-53A	330-0380
	Tappet. hydraulic, Roller, .003" oversize, includes hyd insert, <i>4 Pack</i>			330-0381
25	Insert, Assembly, Hydraulic, <i>each</i>		17920-53A	330-0379
26	Tappet Adjusting Screw with Nut, 1953-'56		18556-53	—
	Tappet Adjusting Screw with Nut, 1957-'65		18556-57	—
27	Valve, Pushrod	131-48	17905-48	—
28	Pushrod Hydraulic Unit Lock Ring	133-48	17923-48	—
29	Pushrod Hydraulic Unit, Cupped	132-48	17920-48	—
30	Pushrod Hydraulic Unit Spring Ball (3/16")	0279	8854	—
31	Pushrod Hydraulic Unit Spring Plug	133-48B	17927-48	—
32	Pushrod Hydraulic Unit Spring	133-48A	17925-48	—
33	Screw,Slotted,Oval,Machined,1/4-24 x 5/8",Cadmium Plated,Steel	057	2329	106-3847
34	Washer,Countersunk,External Tooth,1/4" x 1/2",Cadmium Plated,Steel	0365	7231	106-3848
35	Guide, Front Tappet, Aluminum (Casting Number 9-483) 1948-'52	234-48	18600-48	—

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	Guide, Rear Tappet, Aluminum (Casting Number 9-482) 1948-'52	235-48	18610-48	—
36	Tappet, with Roller, 1948-'52	200-48	18492-48	—
37	Gasket, Tappet Guide, Rear Cylinder, 1948-'65 See chart for front and rear Gasket Set	237-48	18633-48B, 18633-48D	33-5302R
	Gasket, Tappet Guide, Front Cylinder, 1948-'65 See chart for front and rear Gasket Set	237-48A	18634-48C	33-5302F
38	Roller, Kit, Service	208-29A	18534-29A	3-0101

NOT DIRECT SERVICE PARTS (SOLD AS ASSEMBLIES) Note: These products are compatible services as assemblies.

#	Description	VVT Part No.
1	Cover, Set, Rocker Arm, Chrome, Steel, 1948-'65 bt	106-0919
2	Screw, SHC, 10-24 x 3/4", Chrome	106-0913
37	Gasket, Set, Tappet Guide, 1948-'99 bt	33-5302

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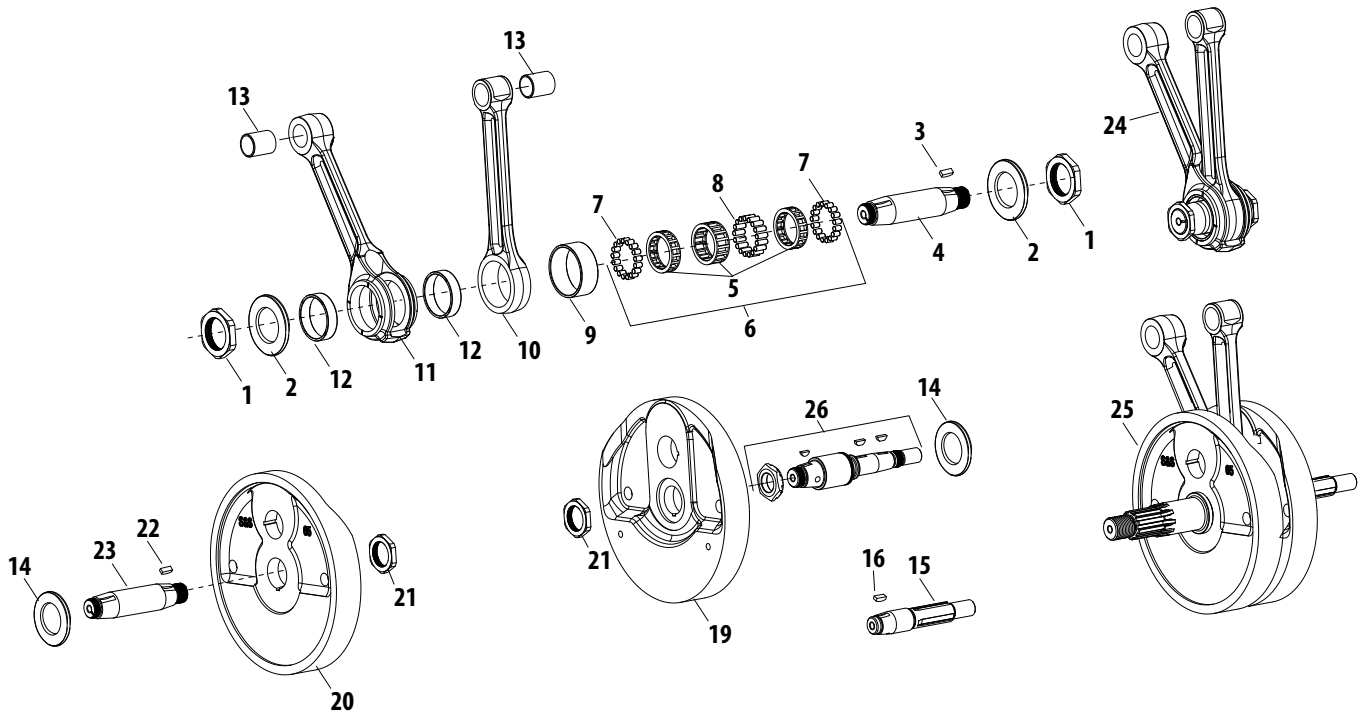
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#	Description	OLD H-D PN	H-D Part No.	VVT Part No.
1	Nut, Crankpin (2), 1954-E'81 bt		23966-54A	—
	Nut, Crankpin (2), 1937-'49, 61" OHV bt & 1937-'48 SVBT	366-36	23966-36	—
	Nut, Crankpin (2), 1941-'49, 74" OHV bt	366-41	23967-41	—
	Washer, Flywheel (2), 1937-'49, 61" OHV bt & 1937-'48 SVBT	372-36	23972-36	—
2	Washer, Flywheel (2), 1941-E'70 bt	372-41	23973-41	—
	Key, Crankpin, 1930-E'81 bt	1650-18	23985-18	—
4	Crankpin, Stock Threads, 1.249", 1941-'81 bt	348-41	23961-41	34-2002
	Crankpin, 1940-'49 SV & 61" OHV bt See chart for compatible Crankpin Assembly	348-40	23962-40	—
5	Retainer, Crankpin Roller (4), 1951-'72 bt	301-51	24366-51	—
	Retainer, Crankpin Roller (4), 1940-'49, 61" OHV bt	301-40	24366-40	—
6	Bearing, Assembly, Connecting Rod, 1.25", 1941-'99 bt		24346-87A, 24385-40B	34-4010
	Bearing, Assembly, Connecting Rod, +.0004", 1941-'84 bt		24387-40B	—
	Bearing, Assembly, Connecting Rod, +.0006", 1941-'84 bt		24388-40B	—
	Bearing, Assembly, Connecting Rod, +.0008", 1941-'84 bt		24389-40B	—
	Bearing, Assembly, Connecting Rod, +.0010", 1941-'84 bt		24390-40B	—
	Bearing, Assembly, Connecting Rod, -.0002", U.S., 1941-'84 bt		24391-40B	—
7	Roller, Crankpin, 0.188 X 0.344 - Standard (36), 1940-'49 bt	304-40	9361	—
	Roller, Crankpin, +.0002" (36), 1940-'49 bt	304-40D	9362	—
	Roller, Crankpin, +.0004" (36), 1940-'49 bt	304-40F	9363	—
	Roller, Crankpin, +.0006" (36), 1940-'49 bt	304-40H	9364	—
	Roller, Crankpin, +.0008" (36), 1940-'49 bt	304-40KA	9365	—
	Roller, Crankpin, +.0010" (36), 1940-'49 bt	304-40MA	9366	—
	Roller, Crankpin, 0.188 X 0.329 - Std. (36), 1951-'72 bt		9101A	—
	Roller, Crankpin, +.0002" (36), 1951-'72 bt		9102A	—
	Roller, Crankpin, +.0004" (36), 1951-'72 bt		9103A	—
	Roller, Crankpin, +.0006" (36), 1951-'72 bt		9104A	—
	Roller, Crankpin, +.0008" (36), 1951-'72 bt		9105A	—
	Roller, Crankpin, +.0010" (36), 1951-'72 bt		9106A	—
	Roller, Crankpin, -.0002", U.S. (36), 1951-'72 bt		9108A	—
	8	Roller, Crankpin, 0.188 X 0.694 - Standard (36), 1940-'49 bt	305-40	9341
Roller, Crankpin, +.0002" (36), 1940-'49 bt		304-40D	9342	—
Roller, Crankpin, +.0004" (36), 1940-'49 bt		304-40F	9343	—
Roller, Crankpin, +.0006" (36), 1940-'49 bt		304-40H	9344	—
Roller, Crankpin, +.0008" (36), 1940-'49 bt		304-40KA	9345	—
Roller, Crankpin, +.0010" (36), 1940-'49 bt		304-40MA	9346	—
Roller, Crankpin, 0.188 x 0.662 - Standard (18), 1951-'72 bt			9171A	—
Roller, Crankpin, +.0002" (18), 1951-'72 bt			9172A	—
Roller, Crankpin, +.0004" (18), 1951-'72 bt			9173A	—
Roller, Crankpin, +.0006" (18), 1951-'72 bt			9174A	—
Roller, Crankpin, +.0008" (18), 1951-'72 bt			9175A	—
Roller, Crankpin, +.0010" (18), 1951-'72 bt			9176A	—
Roller, Crankpin, -.0002", U.S. (18), 1951-'72 bt			9179A	—
9		Race, Front, Connecting Rod, 1941-'99 bt Also available in a complete Rebuild Kit, see chart		24356-36A
10	Connecting Rod, Front	286-36	24302-36	—
11	Connecting Rod, Rear	285-36	24298-36	—
12	Race, Rear, Connecting Rod, 1941-'99 bt Also available in a complete Rebuild Kit, see chart		24345-36A	34-4006
13	Bushing, Piston Pin, +.002 O.S. O.D., 1941-'84 bt Also available in a complete Rebuild Kit, see chart	295-36	24334-36	34-4007
	Bushing, Piston Pin, +.010 O.S. O.D. (2), 1941-'84 bt	295-36A	24335-36	—
14	Flywheel Thrust Collar, Assortment of 10, 1929-'49 bt	358-17A	24100-17	—
	Flywheel Thrust Collar, .066", 1929-'49 bt	358-17B	24102-17	—
	Flywheel Thrust Collar, .070", 1929-'49 bt	358-17C	24104-17	—
	Flywheel Thrust Collar, .074", 1929-'49 bt	358-17D	24106-17	—
	Flywheel Thrust Collar, .078", 1929-'49 bt	358-17E	24108-17	—
	Flywheel Thrust Collar, .082", 1929-'49 bt	358-17F	24111-17	—
	Flywheel Thrust Collar, .086", 1929-'49 bt	358-17G	24113-17	—
	Flywheel Thrust Collar, .090", 1929-'49 bt	358-17H	24115-17	—
	Flywheel Thrust Collar, .094", 1929-'49 bt	358-17JA	24117-17	—
	Flywheel Thrust Collar, .098", 1929-'49 bt	358-17KA	24120-17	—
Flywheel Thrust Collar, .102", 1929-'49 bt	358-17LA	24122-17	—	
15	Gear Shaft, Pinion 1939-'49 OHV See chart #26 for compatible Pinion Shaft Assembly	356-39	24696-39	—
	Gear Shaft, Pinion 1939-'54 OHV		24006-39	—
	Gear Shaft, Pinion 1955-'57 OHV		24006-54A	—
	Gear Shaft, Pinion 1958-'72 OHV		24006-58	—
16	Key, Gear Shaft, 1912-E '81	361-12	23985-12	—

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#	Description	OLD H-D PN	H-D Part No.	VVT Part No.
-	Shaft Nut Lock Plate 1936-'49 OHV 61" & 1937-'48 SVBT All Shafts, 1941-'49 OHV 74" Gear & Sprocket Shafts (Not Shown)	370-36	24015-36	—
-	Crankpin Nut Lock Plate 1941-'49 OHV 74" (Not Shown)	369-41	24015-36	—
-	Lockplate Screw 1912-'49 bt (Not Shown)	030	1187	—
-	Screw, No. 10-24 x 3/8 Pozidriv Pan Hd. (4), 1948-E'78	030	2660	—
19	Flywheel, Right, 1941-'80 OHV 74" & 80"	339-41A	23940-41A	—
	Flywheel, Right, 1936-'40 OHV 61"	339-36	339-36	—
	Flywheel, Right, 1941-'49 OHV 61"	339-41	23942-41	—
20	Flywheel, Left, 1941-'80 OHV 74" & 80"	338-41A	23919-41	—
	Flywheel, Left, 1936-'40 OHV 61"	338-36	338-36	—
	Flywheel, Left, 1941-'49 OHV 61"	338-41	23922-41	—
21	Nut, Gear And Sprocket Shafts 1937-E'81	364-36	24023-36	—
22	Key, Sprocket Shaft, 1956-'71 bt	361-12	23985-56	—
	Key, Sprocket Shaft, 1912-'55 bt	361-12	23985-12	—
23	Sprocket Shaft, 1965-'69 bt See chart for compatible Sprocket Shaft		24001-65	—
	Sprocket Shaft, 1956-'64 bt See chart for compatible Sprocket Shaft		24001-56	—
	Sprocket Shaft, 1955 bt See chart for compatible Sprocket Shaft		24001-55	—
	Sprocket Shaft, 1930-'54 bt See chart for compatible Sprocket Shaft	352-30	24001-30	—
24	Set of Connecting Rods with Bearings & Crankpin, 1936-'49 OHV 61" See chart for Connecting Rod Set	290-36	24277-36	—
	Set of Connecting Rods with Bearings & Crankpin, 1941-'49 OHV 74" See chart for Connecting Rod Set	290-41	24281-41A	—
25	Flywheel, Set, 8-1/2" Diameter, Special Order, 1936-'84 bt See chart for a Special Order Flywheel Assembly		23906-74	—
	Flywheel, Set, with Shafts and Rods, 1936-'84 See chart for a Special Order Flywheel Assembly		23906-78F	—

NOT DIRECT SERVICE PARTS (SOLD AS ASSEMBLIES) *Note: These products are compatible services as assemblies.*

#	Description	VVT Part No.
4	Crankpin, Assembly, Tapered, 1.249", 1937-'53 OHV bt and 1940-'48 SVBT (includes crankpin nuts and key)	34-2001
	Crankpin, Assembly, Tapered, 1.249", 1941-'81 bt (includes crankpin nuts and key)	34-2003
9, 12, 13	Rebuild Kit, Connecting Rod, Race & Bushing, 1941-'99 bt	34-4040
23	Sprocket Shaft, Assembly, 1936-'54 bt	33-2001
	Sprocket Shaft, Assembly, 1965-'69 bt	33-2003
24	Connecting Rod, Set, Heavy Duty, IBC, .791" WP, 7.440", 1941- E'81 bt	34-7004
25	Flywheel, Special Order, 1936-'99 bt	32-2015
	Flywheel, 3-13/16" Stroke, 7-7/8" Diameter, WR/KR	32-3013
26	Pinion Shaft, Assembly, Tapered, Standard, 1939-'53 bt	33-2021
	Pinion Shaft, Assembly, Tapered, Standard, 1958-E'81 bt	33-2024
	Pinion Shaft, Assembly, Tapered, Standard, 1937-'43 bt	33-2356

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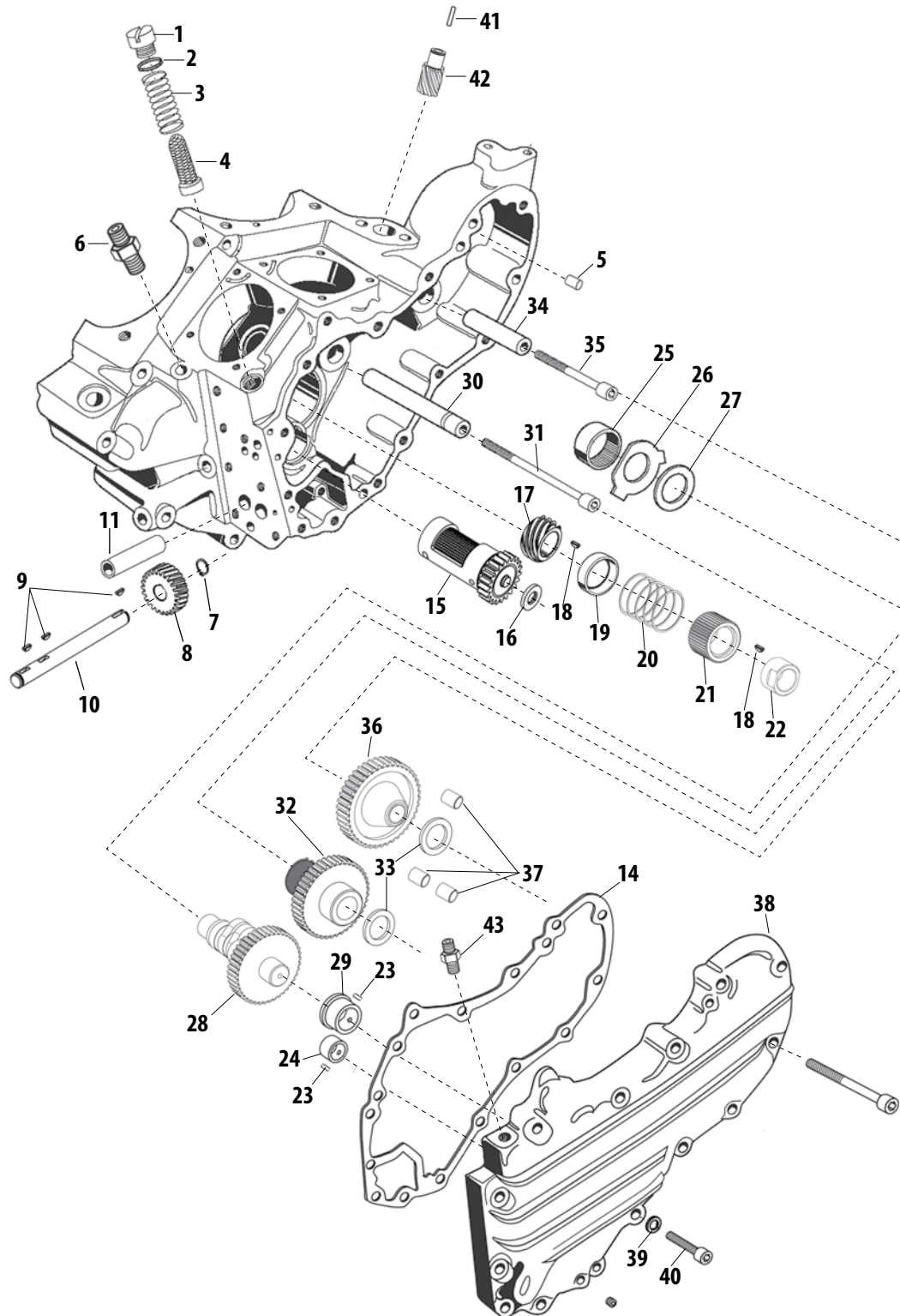
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#	Description	OLD H-D PN	H-D Part No.	VVT Part No.
1	Plug, Oil Screen, 1948 - '99 S&S bt See chart for compatible Oil Pump Screw	655	26263-80	—
2	Gasket, Oil Screen Plug, L1952 - '69	—	62702-52	—
	O-Ring, Oil Screen Plug, 1948 - '99 S&S Bt See chart for compatible O-Ring	—	11105	—
3	Spring,Crankcase Oil Screen,.040" Wire,.340" x .420" x 1.375",MusicWire,1953-'99 btL1952 - '69 <i>each</i>	24982-66	24982-66, 24982-70	31-2011-S
4	Oil Screen, Crankcase, L1952 - '69	24981-66	24981-70, 24981-66	31-2010
5	Dowel Pin, Gearcover, .370" x .750",Steel(2), 1936 - '69	585-30	585-30, 377, 378	50-8017
6	Fitting, Rocker Arm Oil Line, 1966 - '69	—	63526-57	—
7	Retaining Ring,Oil Pump Drive Shaft,SAE 1060-1090, 1941 - '69	695-36	695-36, 26348-36	50-8058
8	Drive Gear, Oil Pump - 25 Tooth, 1941 - '69 See chart for compatible 24 Tooth Oil Pump Drive Gear	26345-39	26345-70	—
9	Key,Woodruff,.094" x .313" x .311",Steel, 1936 - '69	634-15	26347-15	50-8220-S
10	Shaft, Drive, Oil Pump, 1936-'67	638-36	26346-36	—
	Shaft,Drive,Oil Pump,.4223" x 4.650",Cold Drawn Steel,AISI 1146,1968-'99 bt	26346-68	26346-70	31-6011
11	Bushing, Drive Shaft, Oil Pump, Stepped,.424" x .533" x 2.540", Bronze, 1936-1999 bt, 1954 - '69	412-36	24641-36	31-4008
—	Breather Screen Separator 1936 - '69 (Not Shown)	585-36A	25279-36	—
—	Breather Screen 1936 - '69 (Not Shown)	585-36	25275-36	—
14	Gasket,Gearcover,1936-'64 bt	598-36	25225-36A	31-2030
	Gasket,Gearcover,Flathead Power,1965-'69	—	25225-36C	106-2072
15	Gear,Breather,High Evacuation,1936-'53 bt1936 - '47	504-36	25300-36	106-5070
	Gear,Breather,High Evacuation,+.030",1936-'47 bt	—	—	106-6012
	Gear,Breather,1948-E'77 bt See chart for complete Breather Gear Kit	—	25313-73	33-4246
	Gear,Breather,+.030",1948-E'77 bt	—	—	33-4247
	Gear, Breather, with Gear, L1977 - '99 See chart for complete Breather Gear Kit	25313-77B	25310-82A, 25313-77B, 25311-90	33-4241
	Gear, Breather, +.030", with Gear, L1977 - '99	—	—	33-4242
16	Thrust Washer, Breather Valve - 0.115 Thick, 1950 - '69	—	25313-50	—
	Thrust Washer, Breather Valve - 0.120 Thick, 1950 - '69	—	25314-50	—
	Thrust Washer, Breather Valve - 0.125 Thick, 1950 - '69	—	25315-50	—
	Thrust Washer, Breather Valve - 0.110 Thick , 1952 - '69	—	25316-52	—
17	Gear,Pinion,Oil Pump Drive,6 Tooth,1954-'89 bt1954 - '69	26349-54	26349-73, 26349-73A	33-4232
18	Key, Gear Shaft (2), 1954 - '69	—	23985-54	—
	Key,Woodruff,.094" x .313" x .311",Steel (2), 1954 - '69	—	26347-15	50-8220-S
19	Spacer, Gear Shaft Pinion, 1940 - '53	355-40	24703-40	—
	Spacer,Oil Pump Drive Gear,.740" x .900" x .320",Black,Steel,1954-'89 bt1954 - '69	—	24703-54B	33-4289
20	Spring, Seal Ring	355-37B	24699-37	—
21	Gear,Pinion,Green,1954-E'77 bt1954 - '69 See chart for Pinion Gear diameter options	—	24010-54	33-4125
22	Nut,Pinion Gear,5/8-24 UNEF-3B LH x .375",Black,Steel,4140, 1954 - '69	—	24023-54	33-4244
23	Dowel Pin, 1/8 x 1/4 (2), 1941 - '69	—	275	—
	Dowel Pin, 1/8 X 1/4 (2), 1931 - '49	661-31	271	—
24	Bushing, Gearcover Pinion Shaft, 1954 - '72	—	25582-54A	—
	Bushing, Gearcover Pinion Shaft, 1973 - '92	—	25582-73	—
25	Bushing, Crankcase Cam Gear, 1936 - '57	660-36	25597-36	—
	Bearing,Assembly,Needle,Cam, 1958 - '69	—	9058	31-4009
26	Washer,Cam,Lock,.062",Steel, 1958 - 99 bt <i>each</i>	—	—	33-5201
	Washer,Cam,Lock,.062",Steel,5 Pack	—	25550-57A	33-5213
	Washer,Cam,Lock,.062",Steel,1936-'56 OHV bt (KN Series) <i>each</i>	—	—	106-4528
27	Washer,Cam,Thrust,.820" x 1.060" x .050",Steel1936 - '99 <i>each</i>	664-36	25550-36	33-5200
	Washer,Cam,Thrust,.820" x 1.060" x .055",Steel, 1936 - '99 <i>each</i>	—	25551-36	33-5202
	Washer,Cam,Thrust,.820" x 1.060" x .060",Steel, 1936 - '99 <i>each</i>	—	25552-36	33-5203
	Washer,Cam,Thrust,.820" x 1.060" x .065",Steel 1936 - '99 <i>each</i>	—	25553-36	33-5204
	Washer,Cam,Thrust,.820" x 1.060" x .070",Steel, 1936 - '99 <i>each</i>	—	25554-36	33-5205
	Washer,Cam,Thrust,.820" x 1.060" x .070",Steel,5 Pack1936 - '99 5 Pack	—	—	33-1011
	Washer,Cam,Thrust,.820" x 1.060" x .075",Steel, 1936 - '99 <i>each</i>	—	25555-36	33-5206
	Washer, Cam, Thrust, .820" x 1.060" x .080", Steel, 1936 - '99	—	25556-79	—
	Washer, Cam, Thrust, .820" x 1.060" x .085", Steel, 1936 - '99	—	25557-79	—
	Washer, Cam, Thrust, .820" x 1.060" x .090", Steel, 1936 - '99	—	25558-79	—
	Washer, Cam, Thrust, .820" x 1.060" x .095", Steel, 1936 - '99	—	25559-79	—
28	Cam, 1948 - '52 61" OHV	614-48A	25524-48	—
	Cam (H-Grind), 1948 - '57 See chart for other Cam options	614-48	25523-48, 25523-56	330-0164
	Cam (H-Grind), 1958-'69 See chart for other Cam options	—	25523-69	330-0170
29	Bushing,Cam,Bronze,1936-'69 bt	661-36	25581-36	31-4025
30	Shaft,Circuit Breaker Drive Gear,1936-'69 bt, 1936 - '69	—	25856-36	31-2037

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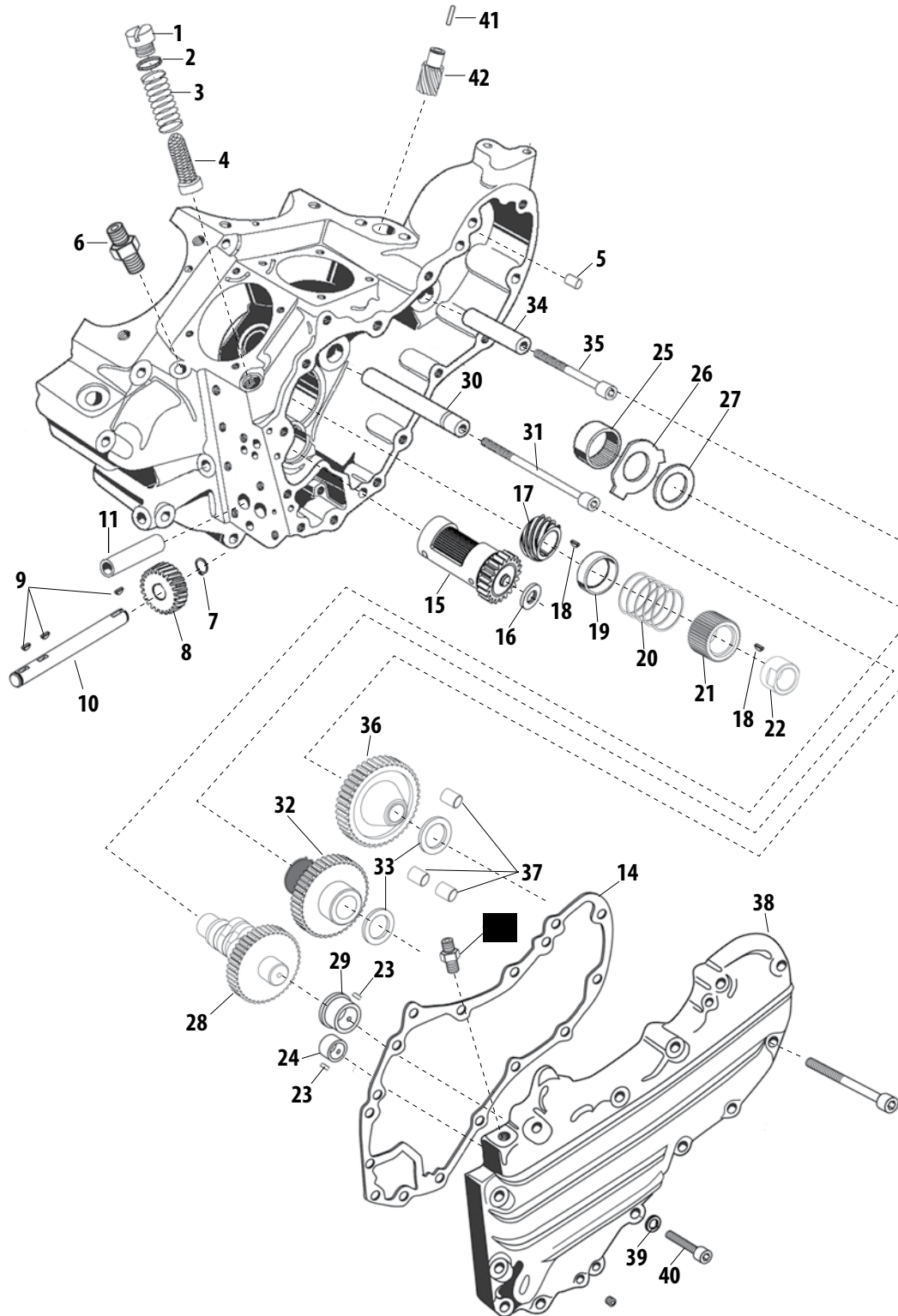
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#	Description	OLD H-D PN	H-D Part No.	VVT Part No.
31	Screw, Left Hand Thread, Late 1959 - '69	—	1430	—
	Screw, 1936 - E'59	637-36A	25859-36	—
32	Shaft,Circuit Breaker Drive Gear,1936-'69 bt, 1936 - '69		25850-36A	33-4215
33	Spacer, Idler And Circuit Breaker Gear (2), 1941 - 69 - FL, FLH <i>See chart for Shim size options</i>	—	25800-36	—
34	Shaft,Idler Gear,.5556" x 1.8760",AISA 8620H,1936-'69 bt	637-36B	25791-36	31-2039
35	Screw,SHCS,1/4-20 x 2",Zinc,ASTM A574-92A, 1936 - '69		25794-36	50-0013
36	Gear,Idler,1936-'69 bt	619-36	25775-36	33-4216
37	Bushing, Idler Gear (3), 1930 - '69	—	25785-30A	—
38	Gearcover, Ribless Notched & Riveted Early 1936	584-36	25216-36	—
	Gearcover, Ribless Rivited Mid 1936	584-36	25216-36	—
	Gearcover, Ribless Late 1936 - '39	584-36	25216-36	—
	Gearcover, 8 Rib Bossless Early & Mid 1940	584-36	25216-36	—
	Gearcover, 8 Rib Late 1940 - E'48 (Includes Hardware)	584-48	25216-48	—
	Gearcover, 8 Rib 1940 - E'48 (Includes Hardware) <i>See chart for compatible Gearcover Kit</i>	584-48	25216-48	—
	Gearcover, 8 Rib Late 1948 - '53 (Includes Hardware) <i>See chart for compatible Gearcover Kit</i>	584-48	25216-48	—
	Gearcover, 4 Rib 1954 - '62 (Includes Hardware) <i>See chart for compatible Gearcover Kit</i>	25216-54	25216-58	—
	Gearcover, 4 Rib Outside Oiler 1963 - '64	—	25216-63	—
	Gearcover, Flat Side, Outside Oiler 1965 (Includes Hardware) <i>See chart for compatible Gearcover Kit</i>	—	25216-65	—
	Gearcover, Flat Side 1966 - '69 (Includes Hardware) <i>See chart for compatible Gearcover Kit</i>	—	25216-66	—
39	Washer, 1/4", (12), Early 1936 Only	—	—	—
40	Screw,Slotted Countersunk,Oval,1/4-24 x 1-1/8",Cadium Plated,12 Pack	056	2341, 2341HW	106-2013
41	Pin,Roll,Coiled,.120" x .500",Steel <i>See chart for 1/8" diameter option</i>		255	50-8025
42	Gear, Circuit Breaker, 1936-'69 bt <i>See chart for compatible Circuit Breaker Gear</i>	056, 1547-36	32531-36	—
43	Oil Feed Pipe Nipple, 1942-'47 OHV	95-42A	17330-42	106-4734

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#	Description	VVT Part No.
1	Screw, Oil Pump/Check Valve/Relief Va, Bright Zinc Plated, Steel <i>each</i>	31-6021
	Screw, Oil Pump/Check Valve/Relief Va, Bright Zinc Plated, Steel <i>5 Pack</i>	31-7005
2	O-ring,(-013),.437" ID x .565" OD,Viton	50-8008
8	Gear,Pinion,Oil Pump Drive,24 Tooth,1973-'99 bt	33-4230
15	Gear,Kit,Breather,1948-E'77 bt	33-4253
	Gear,Kit,Breather,+ .030",1948-E'77 bt	33-4263
21	Gear,Pinion,Orange,1954-E'77 bt	33-4121
	Gear,Pinion,Black,1954-E'77 bt	33-4122
	Gear,Pinion,Red,1954-E'77 bt	33-4123
	Gear,Pinion,Blue,1954-E'77 bt	33-4124
	Gear,Pinion,White,1954-E'77 bt	33-4126
	Gear,Pinion,Brown,1954-E'77 bt	33-4127
	Gear,Pinion,Yellow,1954-E'77 bt	33-4128
28	Camshaft,450S,1948-'69 bt	33-5062
33	Shim,Circuit Breaker/Idler Gear,.050"	33-4221
	Shim,Circuit Breaker/Idler Gear,.054"	33-4222
	Shim,Circuit Breaker/Idler Gear,.058"	33-4223
	Shim,Circuit Breaker/Idler Gear,.062"	33-4224
	Shim,Circuit Breaker/Idler Gear,.066"	33-4225
38	Gearcover,Kit,Generator,KN-Series,Ribbed,Stock Pinion Shaft,Natural,1940-'47 bt	106-3198
	Gearcover,Kit,Generator,P-Series,Ribbed,Stock Pinion Shaft,Natural,Late 1948-'53 bt	106-3499
	Gearcover,Kit,Generator,Bushing Style,Stock Style Case,Natural,Cast,1954-'69 bt	31-0240
	Gearcover,Kit,Generator,Flatside,Stock Style,Natural,1965 bt	106-1619
	Gearcover,Kit,Generator,Flatside,Stock Style,Natural,1966-'69 bt	106-1625
41	Pin,Roll,.138" x .500",Steel	50-8030
42	Gear,Circuit Breaker,1936-'69 bt	33-4217



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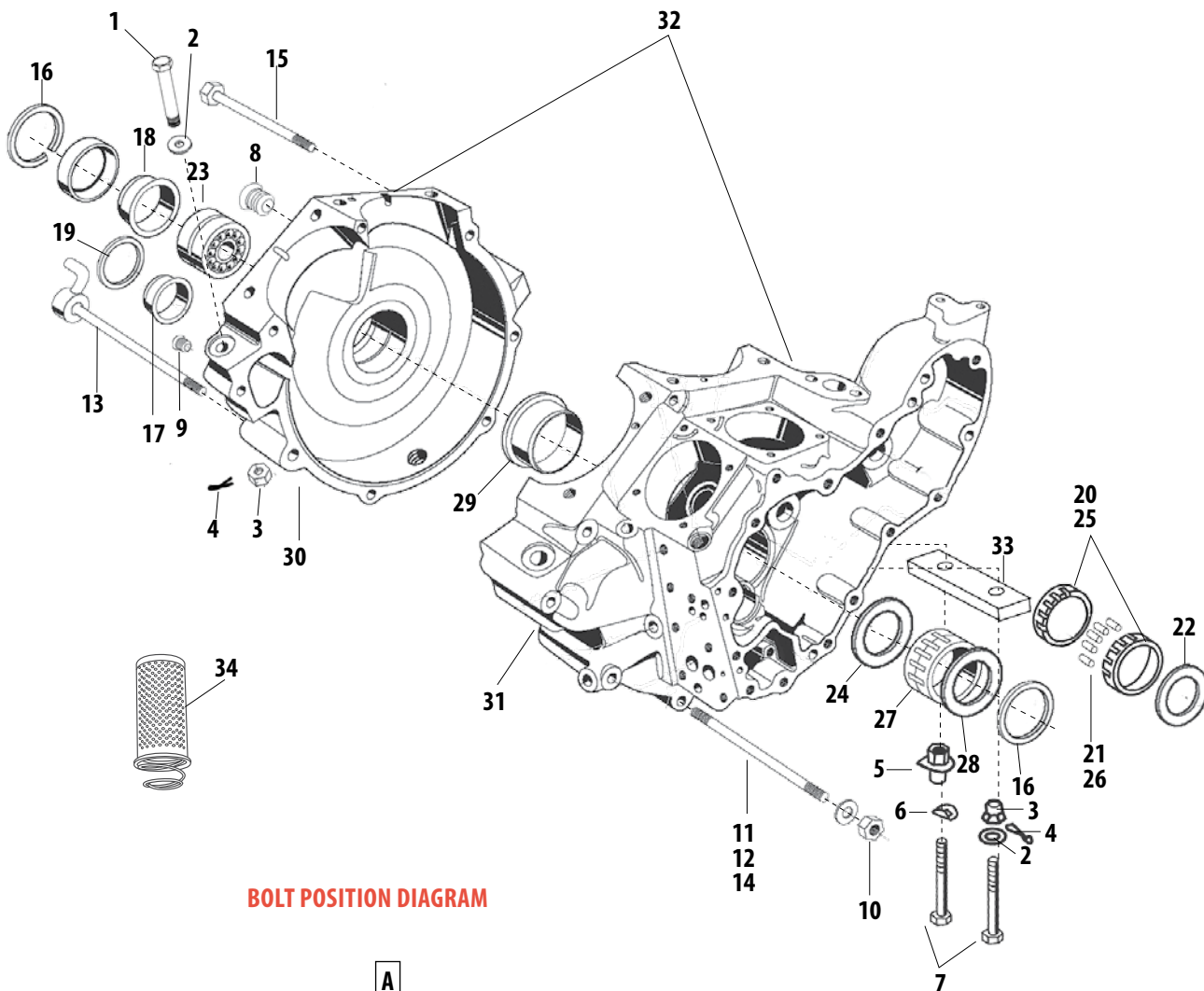
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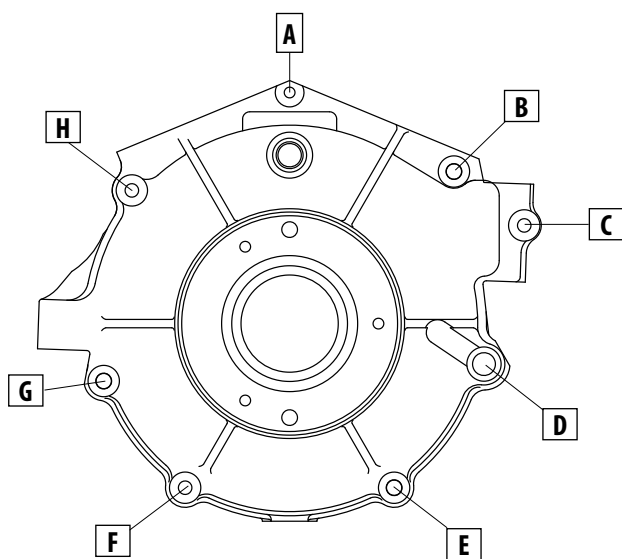
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#	Description	OLD H-D PN	H-D Part No.	VVT Part No.
1	Motor Fastening Bolt, Rear (2) 1936-'49	438-36	24794-36	—
	Bolt, 3/8-24 x 3-1/2 Hex. Hd. (2), 1941-'84	—	4435W	—
2	Washer, Motor Fastening Bolt Washer (3) 1936-'49	0224	6395	—
	Washer, 3/8 x 13/16 x 1/16 (2), 1941-'70	—	6701	—
	Washer, 3/8 x 13/16 x 7/64 (4), 1963-'84	—	6400HB	—
3	Nut, 3/8-24 x 15/32 x 9/16 Hex. (4), 1936-'66	0128	7809	—
4	Cotter Pin, (3), 1936-'49	0291	528	—
	Cotter Pin, 3/32 x 5/8 (4), 1941-'66	—	534	—
5	Motor Bolt Nut (1) 1937-'49	439-36	24797-36	—
6	Motor Bolt Lock Washer (1) 1937-'49	439-36A	24800-36	—
7	Motor Fastening Bolt, Front (2) 1937-'72	437-36	24791-36	—
8	Plug, Timing Hole, 1938-'69	2326-38	704	—
9	Drain Plug, 1937-'70	453-11	700	—
10	Nut, Crankcase Stud Nut (13) Crankcase Guard Rear Bolt Nut, (2) 1937-'49	0117	7752	—
	Nut, 5/16-24 x 1/4 x 1/2 Hex. 1941-Early '81; 1982-'84	0117W	7753	500-0315
11	Crankcase Stud 5/16" x 5-7/8" 1948-'49	447-48	24807-48	—
12	Crankcase Stud 5/16" x 5-7/16" 1948-'49 See chart for compatible Crankcase Stud	447-36	24806-36	—
13	Crankcase Breather Pipe Assembly 1948-'57 See chart for compatible Crankcase Breather Tube	543-48	24912-48	—
	Crankcase Breather Pipe Assembly 1958-'63 See chart for compatible Crankcase Breather Tube	—	24914-58	—
	Crankcase Breather Pipe Assembly 1964 See chart for compatible Crankcase Breather Tube	24912-48	24912-48A	—
14	Crankcase Stud, 5/16" x 6" (3) 1930-'49 See chart for compatible Crankcase Stud	447-30	24809-30	—
	Crankcase Stud, 11/32 x 5-27/32 (F Position), 1948-'78	—	24815-40	—
15	Crankcase Bolt 3/8" x 3-3/4" (1) 1930-'49	444-30	4432	—
	Crankcase Bolt, 3/8-16 x 3-1/4 hex. hd. (2), 1930-'78	444-30	4432W	—
16	Crankcase bearing spring ring (2) 1940-'49	423-40	24702-40	—
17	Sprocket Shaft Bearing End (1) 1940-'54	421-40	24776-40	—
	Spacer, Sprocket .Shaft - 0.336 Thick, 1955-'64	—	24029-55	—
	Spacer, Drive Sprocket, Fatigue Proof, 1936-'64 bt	—	—	31-4014
18	Left Bearing Bushing, Standard 1940-'54	416-40	24621-40	—
	Left Bearing Bushing, +.002 O.S. 1940-'54	416-40B	—	—
	Left Bearing Bushing, +.005 O.S. 1940-'54	416-40C	—	—
	Left Bearing Bushing, (Timken), 1955-'68	—	9029	—
19	Sprocket Shaft Bearing Washer (1) 1940-'54	422-40	24779-40	—
	Shim, Sprocket Shaft Bearing - 0.003, 1955-'68	—	23741-55	—
20	Left Roller Bearing Retainer (2) 1930-'54	417-30	24721-30	—
	Left Bearing Roller (24) 1/4" x .490 Long Standard 1930-'54	2289-25	9220	—
	Left Bearing Roller (24) 1/4" x .490 Long .0002" O.S. 1930-'54	2289-25D	9221	—
	Left Bearing Roller (24) 1/4" x .490 Long .0004" O.S. 1930-'54	2289-25F	9222	—
	Left Bearing Roller (24) 1/4" x .490 Long .0006" O.S. 1930-'54	2289-25H	9223	—
	Left Bearing Roller (24) 1/4" x .490 Long .0008" O.S. 1930-'54	2289-25KA	9224	—
22	Left Bearing Roller (24) 1/4" x .490 Long .0010" O.S. 1930-'54	2289-25MA	9225	—
	Sprocket Shaft Bearing Spacer (1) 1937-'54	358-36	24781-36	—
	Sprocket Shaft Bearing Complete, Standard, 1930-'54	419-30	24750-30	—
	Sprocket Shaft Bearing Complete, +.0002 O.S. 1930-'54	419-30D	24751-30	—
	Sprocket Shaft Bearing Complete, +.0004 O.S. 1930-'54	419-30F	24752-30	—
	Sprocket Shaft Bearing Complete, +.0006 O.S. 1930-'54	419-30H	24753-30	—
23	Sprocket Shaft Bearing Complete, +.0008 O.S. 1930-'54	419-30KA	24754-30	—
	Sprocket Shaft Bearing Complete, +.0010 O.S. 1930-'54	419-30MA	24755-30	—
	Washer, Right Bearing (1) 1940-'57	425-40	24695-40	—
24	Washer, Right Bearing (2) 1958-'84	—	24692-58	—
	Retainer, Right Roller Bearing (2) 1937-'57	415-36	24646-36	—
25	Retainer, Right Roller Bearing (2) 1958-'84	3967-35	43578-35	—
	Roller, Right Bearing (12) 1/4" x .600 Long Standard 1937-'57	306-26	9261	—
26	Roller, Right Bearing (12) 1/4" x .600 Long .0002" O.S. 1937-'57	306-26D	9262	—
	Roller, Right Bearing (12) 1/4" x .600 Long .0004" O.S. 1937-'57	306-26F	9263	—
27	Roller, Right Bearing (12) 1/4" x .600 Long .0006" O.S. 1937-'57	306-26H	9264	—
	Roller, Right Bearing (12) 1/4" x .600 Long .0008" O.S. 1937-'57	306-26KA	9265	—
28	Roller, Right Bearing (12) 1/4" x .600 Long .0010" O.S. 1937-'57	306-26MA	9266	—
	Roller, Right Bearing, 0.250 x 0.490 Long Standard (28) 1958-'81	—	9220A	—
29	Roller, Right Bearing, +.0001 O.S. (28) 1958-'84	—	9219	—
	Roller, Right Bearing, +.0002 O.S. (28) 1958-'84	—	9221A	—
30	Roller, Right Bearing, +.0003 O.S. (28) 1958-'84	—	9218	—
	Roller, Right Bearing, +.0004 O.S. (28) 1958-'84	—	9222A	—
31	Roller, Right Bearing, +.0005 O.S. (28) 1958-'84	—	9217	—
	Roller, Right Bearing, +.0006 O.S. (28) 1958-'84	—	9223A	—

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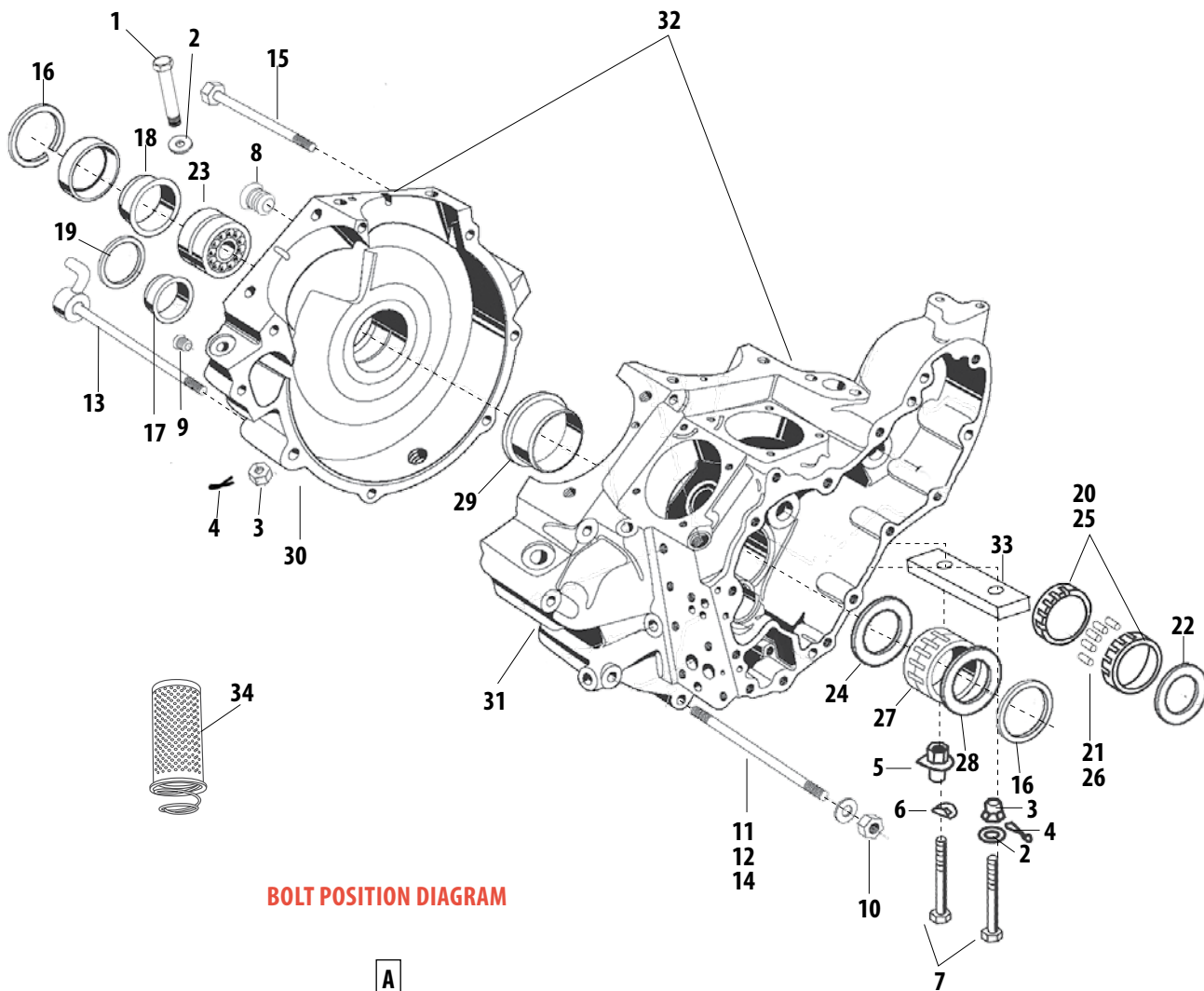
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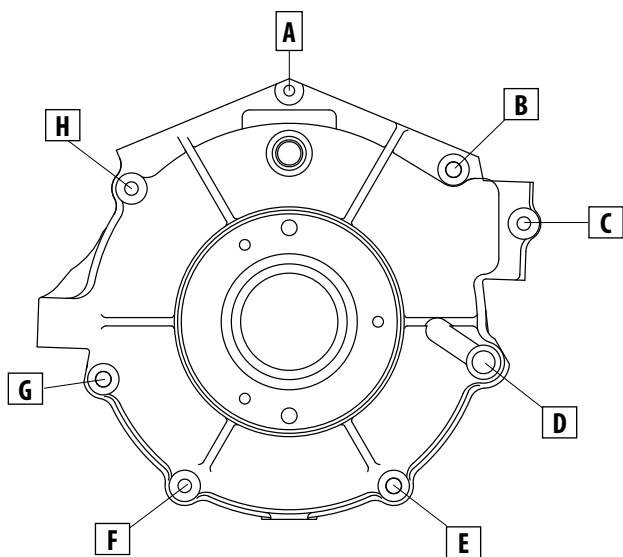
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#	Description	OLD H-D PN	H-D Part No.	VVT Part No.
	Roller, Right Bearing, +.0008 O.S. (28) 1958-'84	—	9224A	—
	Roller, Right Bearing, +.0010 O.S. (28) 1958-'84	—	9225A	—
27	Right Bearing, Complete, Standard 1937-'57	414-36	24650-36	—
	Right Bearing, Complete, +.0002 O.S. 1937-'57	414-36D	24651-36	—
	Right Bearing, Complete, +.0004 O.S. 1937-'57	414-36F	24652-36	—
	Right Bearing, Complete, +.0006 O.S. 1937-'57	414-36H	24653-36	—
	Right Bearing, Complete, +.0008 O.S. 1937-'57	414-36KA	24654-36	—
	Right Bearing, Complete, +.0010 O.S. 1937-'57	414-36MA	24655-36	—
	Right Bearing, Standard 1958-'81	—	24650-58	—
	Right Bearing, +.0001 O.S. 1958-'84	—	24650-81	—
	Right Bearing, +.0002 O.S. 1958-'84	—	24651-58	—
	Right Bearing, +.0003 O.S. 1958-'84	—	24649-81	—
	Right Bearing, +.0004 O.S. 1958-'84	—	24652-58	—
	Right Bearing, +.0005 O.S. 1958-'84	—	24645-81	—
	Right Bearing, +.0006 O.S. 1958-'84	—	24653-58	—
	Right Bearing, +.0008 O.S. 1958-'84	—	24654-58	—
	Right Bearing, +.0010 O.S. 1958-'84	—	24655-58	—
28	Washer, Right Bearing (Gear Side) (1) 1940-'57	414-40	24690-40	—
	Washer, Right Bearing (Gear Side) (2) 1958-'84	—	24692-58	—
29	Bushing, Right Crankcase (1) Standard 1940-'57	413-40A	24599-40	—
	Bushing, Right Crankcase (1) +.002 O.S. 1940-'57	413-40AB	24600-40	—
	Bushing, Right Crankcase (1) +.005 O.S. 1940-'57	413-40AC	24601-40	—
	Bushing, Right Crankcase, Standard, 1958-'84	—	24599-58B	—
	Bushing, Right Crankcase, +.002 O.S. O.D., 1958-'84	—	24600-58A	—
	Bushing, Right Crankcase, +.005 O.S. O.D., 1958-'84	—	24601-58B	—
30	Left Crankcase 1940-1947 61" OHV	406-40A	406-40A	—
	Left Crankcase 1941-1947 OHV	406-41	24540-41	—
	Left Crankcase 1948 and 1949 OHV	406-48	24540-48	—
31	Right Crankcase 1940-1947 61" OHV	410-40A	410-40A	—
	Right Crankcase 1941-1947 OHV	410-41	24569-41	—
	Right Crankcase 1948 and 1949 OHV	410-48	24569-48	—
32	Set of Crankcases 1936-1939 OHV <i>See chart for complete Crankcase Assembly</i>	403-36	403-36	—
	Set of Crankcases 1940 OHV <i>See chart for complete Crankcase Assembly</i>	403-40	403-40	—
	Set of Crankcases 1941-1947 OHV <i>See chart for complete Crankcase Assembly</i>	402-41	24520-41	—
	Set of Crankcases 1948-Early '52 OHV <i>See chart for complete Crankcase Assembly</i>	402-48	24520-48	—
	Set of Crankcases Mid-Late 1952 OHV (added right side boss for oil screen & check valve) <i>See chart for complete Crankcase Assembly</i>	402-48	24520-48	—
	Set of Crankcases 1953-1954 OHV (no deck oil troughs & added right race lock) <i>See chart for complete Crankcase Assembly</i>	—	24520-53	—
	Set of Crankcases 1955-1957 OHV (added timken left and 2" right bearings) <i>See chart for complete Crankcase Assembly</i>	—	24519-55	—
	Set of Crankcases 1958-1962 OHV (No gen strap boss, gen mounting bolt-5/16" & added 2.13" right bearing) <i>See chart for complete Crankcase Assembly</i>	—	24519-58	—
	Set of Crankcases 1963-1964 OHV (External top end oiling, no case deck oiling) <i>See chart for complete Crankcase Assembly</i>	—	24519-63	—
	Set of Crankcases 1965 OHV (Left Aluminum primary, no breather bolt, no right relay plate boss) <i>See chart for complete Crankcase Assembly</i>	—	24519-65	—
33	Spacer, Front, Motor Mount, 1948-'65 OHV bt	—	24795-48	31-2017
34	Filter, Oil, Perf-form, Drop In, 1958-E82 bt, 1953-'73 xl K Model	—	63840-53, 63826-53	310-0284

NOT DIRECT SERVICE PARTS (SOLD AS ASSEMBLIES) <i>Note: These products are compatible services as assemblies.</i>				
#	Description			VVT Part No.
12	Stud, Crankcase Alignment, 5/16-24 UNF x 5.750", Zinc, Steel			31-2003
13	Tube, Crankcase Breather, Powdercoated, Gloss Black, Steel, 1936-'69 bt			106-4795
14	Stud, Crankcase Alignment, 5/16-24 UNF x 6.050", Zinc, Steel			31-2034
29	Race, Right, Main Bearing, Standard, 1993-'99 bt			31-4004
	Race, Right, Main Bearing, +.005", 1993-1999 bt			31-4007
32	Crankcase, Assembly, Stock Bore, bt, 2B Generator, Natural, 1936-'47			31-0006
	Crankcase, Assembly, Stock Bore, bt, 2B Generator, Natural, 1948-'64			31-0008
	Crankcase, Assembly, Stock Bore, bt, 2B Generator, Natural, 1965-'69			31-0010



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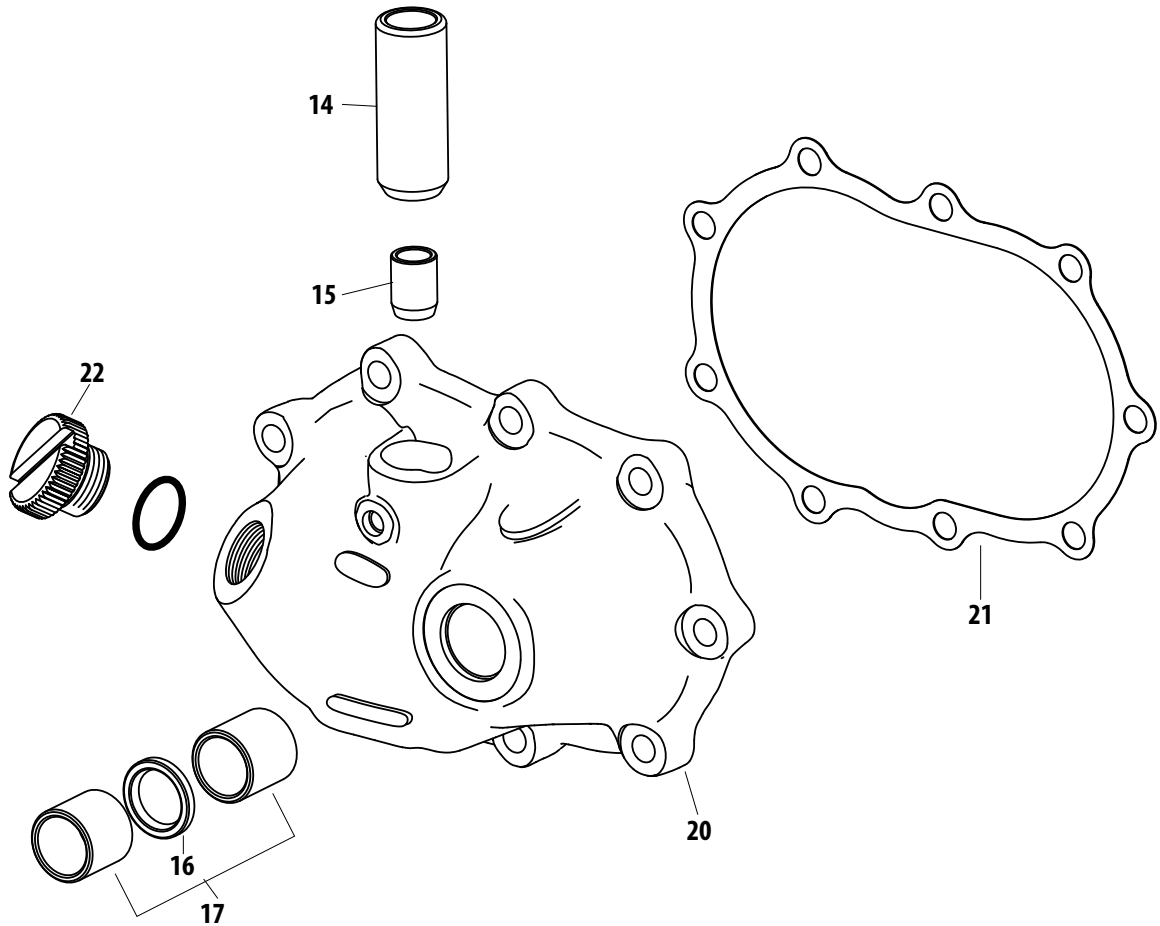
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#	Description	OLD H-D PN	H-D Part No.	VVT Part No.
1	Bolt, 3/8-24 x 1-1/8 Hex. Hd, 1940-'69	2100-16	4336W	—
2	Lockwasher, 3/8, 1940-'69	—	7038	—
	Lockwasher, Late 1930-'49	0261	7045	—
3	Bushing, Pedal Pin, Late 1930-'69	2101-31	33213-31	—
4	Washer, Pedal Pin, Late 1930-'69	2102-30	33215-30	—
5	Starter Pedal, Complete (Black Rubber), 1940-'67	—	33175-16A	—
	Starter Pedal, Complete (Black Rubber), Late 1929-'49	2091-16A	33175-16	—
	Starter Pedal Plastic Complete (Red), 1929-'49	2091-16C	33176-16	—
	Starter Pedal Plastic Complete (Yellow), 1929-'49	2091-16D	33177-16	—
6	Pedal Cover, Starter (Black), 1963-'67	—	33182-63A	—
	Pedal Rubber (2), Starter (Black), 1917-'49	2092-17	33182-17	—
	Pedal Block Plastic (1), Starter (Red), 1945-'49	2092-45C	33183-45	—
	Pedal Block Plastic (1), Starter (Yellow), 1945-'49	2092-45D	33184-45	—
7	Axle Plate, Starter Crank Pedal, 1963-'69	—	33202-63	—
	Axle, Starter Crank Pedal, 1929-'49 (Rubber Pedal)	2095-16	33195-45	—
	Axle, Starter Crank Pedal, Late 1945-'49 (Plastic Pedal)	2095-45	33192-16	—
8	Starter Crank, Only (Black), 1954-'69	—	33068-54	—
	Starter Crank, 1937-'53	2076-36	33063-36	—
9	Bolt, 3/8-24 x 1-3/4 Hex. Hd, 1940-'69	—	4411	—
10	Starter Crank Shaft, 1954-'69	—	33096-54B	—
11	Stud, Starter Spring W/Spring Cover Screw Hole, 1937-'69	—	33152-59	—
	Stud, Starter Spring, 1937-'49	2086-36	33090-36	—
12	Spring, Starter Crank, 1940-'69	2084-36	33085-36	—
13	Washer, Starter Crank, 1940-'69	2077-36	33080-36	—
14	Upper Bushing, Starter Cover, 1940-'69	—	33291-36	106-6474
15	Lower Bushing, Starter Cover, 1940-'69	—	33290-38	106-6473
16	O-Ring, 1941-'69	—	11101	—
	Starter Crank Oil Seal, Late 1937-'49	2078-37	33076-37	—
17	Bushings, Pair, Starter Cover, 1941-'69	2127-37A	33288-37	—
18	Nut, 5/16-24 x 1/4 x 1/2 Hex. (9), 1940-'69	0117W	7753	500-0315
19	Washer, 11/32 x 11/16 x 1/16 (9), 1940-'69	—	6320, 70907-07, 6016, 6702	50-7034
	Washer, (9), 1937-'49	0214	6320, 70907-07, 6016, 6702	50-7034
20	Starter Cover, Transmission, 1940-'47 (G6 Date Code)	2126-36	33277-36A, 33277-36	106-6479-G6
	Starter Cover, Transmission, 1948-'50 (J7 Date Code)	2126-36	33277-36A, 33277-36	106-6479-J7
	Starter Cover, Transmission, 1937-'86 (Universal with No Date Code)	2126-36	33277-36A, 33277-36	106-6479-00
21	Gasket, Starter Cover, 1940-'69	2132-36	33295-36	560-0012
22	Filler Plug, Starter Cover, 1940-'69	—	37072-79	—
	Filler Plug Hex, Starter Cover, 1937-'49	2326-36	704	—
23	Nut, 5/8-18 x 1/4 x 9/16 Hex, 1937-'69	2274-36	7977	—
24	Key, Starter Clutch (2), 1916-'69	2147-16	33393-50	—
25	Lockwasher, Starter Clutch, 1939-'69	2149-39	33396-39	—
26	Starter Clutch, 1939-'69	2146-39	33381-39	—
27	Pin, Starter Crank Gear, 1939-'69	2143-36A	33355-36	—
28	Cam Plate, Starter Crank Gear, 1939-'69	2143-36B	33358-36	—
29	Gear, Starter Crank - 24 T, 1939-'69	2144-36	33350-36	—
30	Rivet, 3/16 x 5/32 (3), 1939-'69	0312	8241	—
31	Starter Gear, Mainshaft - 16 T., 1939-'49	2155-36	33430-36	—
	Starter Gear, Mainshaft - 16 T., 1967-'69	—	33430-50	—
	Starter Gear, Mainshaft - 14 T., Late 59-'66	—	33430-59	—
32	Bushing, Mainshaft Starter Gear, 1931-Early '50	2155-31A	33436-31	—
	Bushing, Mainshaft Starter Gear, Late 50-'69	—	33438-50	—
33	Spring, Starter Clutch, 1940-'69	2152-36	33391-36	—
34	Lockwasher, Starter Crank (2), 1916-'69	2080-16	33082-16	—
35	Nut, 1/2-20 x 7/16 x 7/8 Hex, 1937-'69	2079-36	7911	—
36	Stud, Starter Cover (9), 1937-'69	2134-36	33298-65	—
37	Screw, No. 10-24 x 7/16 Pozidriv Hd, 1940-'69	—	2664	—
38	Lockwasher, No. 10 External Tooth, 1940-'69	—	7220	—
39	Spring Cover Kit, Complete, 1940-'69	—	33150-59	—



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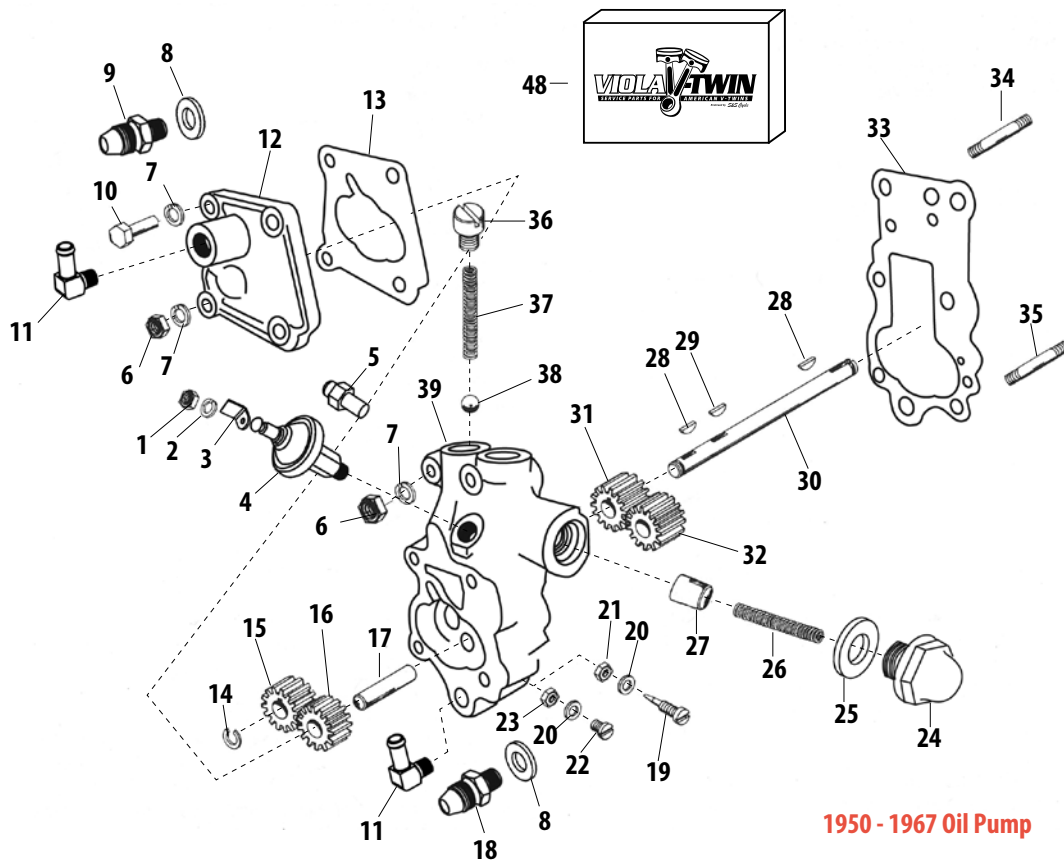
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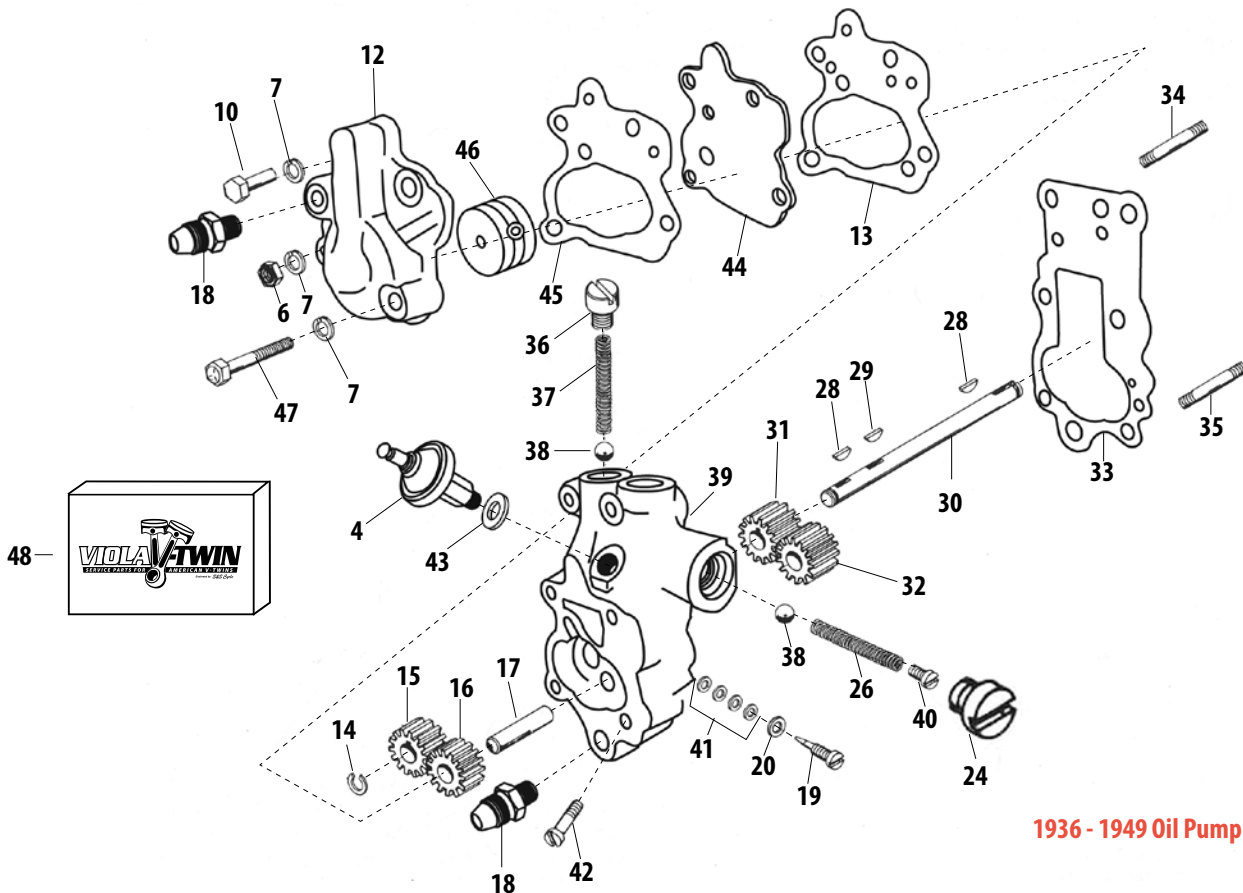
#	Description	OLD H-D PN	H-D Part No.	VVT Part No.
1	Nut, No. 10-32 x 1/8 x 5/16 Hex. (Brass), 1964 - '84	—	7634	—
2	Lockwasher, #10, 1964 - '84	—	7069	—
3	Terminal, Oil Pressure Switch, Late 63 - 67	—	26560-63	—
4	Oil Pressure Switch Only, 1941 - '84	—	26552-72	550-0395
	Oil Pressure Switch, 1936 - '49	480-39	26551-39	—
5	Fitting, Oil Pressure Switch, 1958 - '67	—	26569-58	—
6	Nut, 1/4-24 x 5/32 x 5/16 Hex., 1950 - '79	—	7691W	—
7	Lockwasher, 1/4, 1936 - '84	0256, 362	7035, 7036	50-7019
8	Washer, 3/8 x 5/8 x 1/32, Late 1950 - '84	—	6377	—
9	Fitting, Pump Cover, 1950 - '64	—	26424-50	—
10	Oil Pump Mounting Stud Nut, 1941 - '49	591-41A	24831-41	—
11	Fitting, Oil Line Hose, 1965 - '67	—	63540-62	—
12	Cover, Oil Pump, 1936 - '40	682-36	—	—
	Cover, Oil Pump, 1941 - '48 Non Chain Oiler	682-41	26236-41	—
	Cover, Oil Pump, 1941 - '48 Chain Oiler	682-41A	—	—
	Cover, Oil Pump, 1950 - '64	—	26237-50	—
	Cover, Oil Pump, 1965 - '67	—	—	—
13	Gasket, Oil Pump Cover, 1941 - '49	684-41	26255-41	—
	Gasket, Oil Pump Cover, 1950 - '67	—	26257-50A	—
14	Retaining Ring, Drive Shaft, .382" x .021", 1936 - '84 <i>each</i>	695-36	695-36, 26348-36	50-8058
	Retaining Ring, Drive Shaft, .382" x .021", 1936 - '84 <i>10 Pack</i>	—	—	50-8106
15	Drive Gear, 1936 - '84 ('36-'67 Scavenge, '68-'84 Feed)	—	26328-74, 26320-36	31-6015
	Scavenger Pump Drive Gear, 1936 - '49 (Keyslot Only)	690-36	26320-36	31-6015
	Scavenger Pump Drive Gear, 1941 (Groove & Keyslot)	690-41	—	31-6015
16	Scavenger Pump Idler Gear, 1936 - '40 (23/64" Id) (Inner Notch & No Rotor Drive Slot)	691-36	26325-36	—
	Scavenger Pump Idler Gear, 1942 - '48 (23/64" Id) (Rotor Drive Slot & No Inner Notch)	691-42	—	—
	Scavenger Pump Idler Gear, 1941 - Mid '62 (23/64" Id) (Notch & Rotor Slot-Retrofit - '36)	691-49	26325-49	—
	Idler Gear, Late 1962 - '84 (7/16" Id) (L'62-'67 Scavenge, '68-'99 Feed)	—	26326-62A	31-6016
17	Idler Shaft, 1936 - '40	697-36	—	—
18	Fitting, Oil Line (Short), 1948 - '64	3577-15	63533-15	—
19	Adjusting Screw, Chain Oiler, 1933 '64; 1968 - Early '72	672-32	63610-70, 63614-72, 26383-32	31-6026
20	Washer, 13/64 x 3/8 x 1/32 (Brass) 1933 - '69	0202	6150, 6156	50-7008
	Idler Shaft, 1941 - Mid '62	697-41	26328-41	—
	Idler Shaft, Late 1962 - '67	—	26327-52	—
21	Nut, #10-32 x 1/8 x 3/8 Hex. Hd., 1941 - '64; 1968 & '69	—	7634, 7638	50-5000
22	Screw, No. 10-32 x 5/16 Phillips Hd, 1965 - '67	—	1183	—
23	Locknut, No. 10-32 x 3/16 x 3/8 Hex., 1941 - '67	—	7626W	—
24	Screw, Bypass & Check Valve Cover, Late 1952 - Mid '54	—	26423-52A	—
	Screw, Bypass Cover, 1936 - Mid '52 & Late '54 - '67	707-36	26367-36	—
25	Washer, 17/32 x 15/16 x 1/64 (Brass) 1954 - '78	—	6581	—
	Washer, Relief Valve Plug (Felt) 1954 - '80	—	26231-78	—
26	Spring, Relief Valve, .040" Wire, .242" x .324" x 2.32", ASTM A-229, 1936-'99 bt 1936 - '84	713-36, 713-42	26207-83	31-6018
27	Valve, Oil Pump, Late 1954 - Early '82	—	26400-54	—
28	Key, Drive Shaft, 1936 - '49, 1941 - '84 <i>each</i>	—	—	50-8220-S
	Key, Drive Shaft, 1936 - '49, 1941 - '84 <i>10 Pack</i>	634-15	26347-15	50-8229
29	Key, Oil Pump Gear, 1936 - '67	693-36	26340-36	—
30	Drive Shaft, 1936 - '67	638-36	26346-36	—
	Drive Shaft, Shaft, Drive, Oil Pump, 4.223" x 4.650", Cold Drawn Steel, AISI 1146, 1968-'99 bt 1970 - '84	—	26346-70	31-6011
31	Drive Gear, 1936 - '47 (.990 OD x 7/16" ID x .250 Wide)	688-36	26315-36	—
	Drive Gear, 1948 - '67 (.990 OD x 7/16" ID x .380 Wide)	688-48	26315-48	—
32	Idler Gear, 1936 - '47 (.990 OD x 23/64" ID x .250 Wide) (w/Crankcase Stub)	689-36	26317-36	—
	Idler Gear, 1948 - '61 (.990 OD x 23/64" ID x .380 Wide) (w/Crankcase Stub)	689-48	26317-48	—
	Idler Gear, 1962 - '67 (.990 OD x 7/16" ID x .380 Wide) (w/o Crankcase Stub)	—	26317-62	—
33	Gasket, Oil Pump Body, 1936 - '40	589-36	26244-36	—
	Gasket, Oil Pump Body, 1941 - '67	589-41	26245-41	—

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Harley-Davidson® Panhead Models



1950 - 1967 Oil Pump



1936 - 1949 Oil Pump

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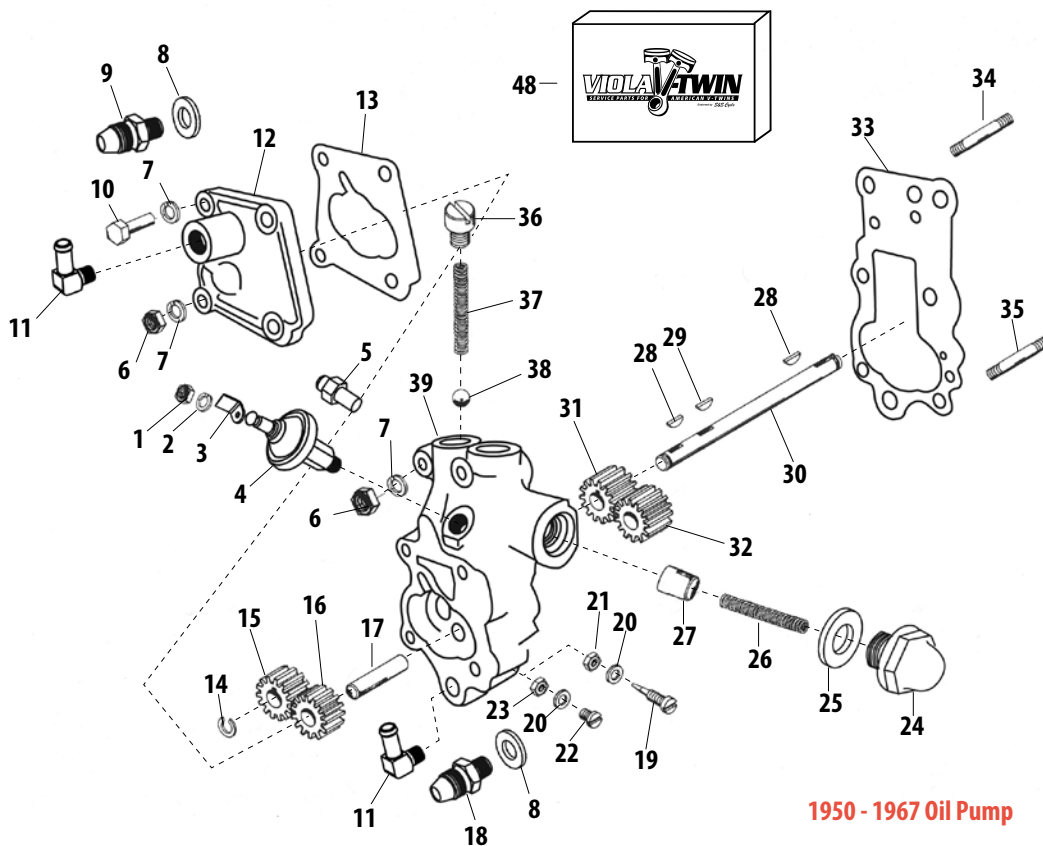
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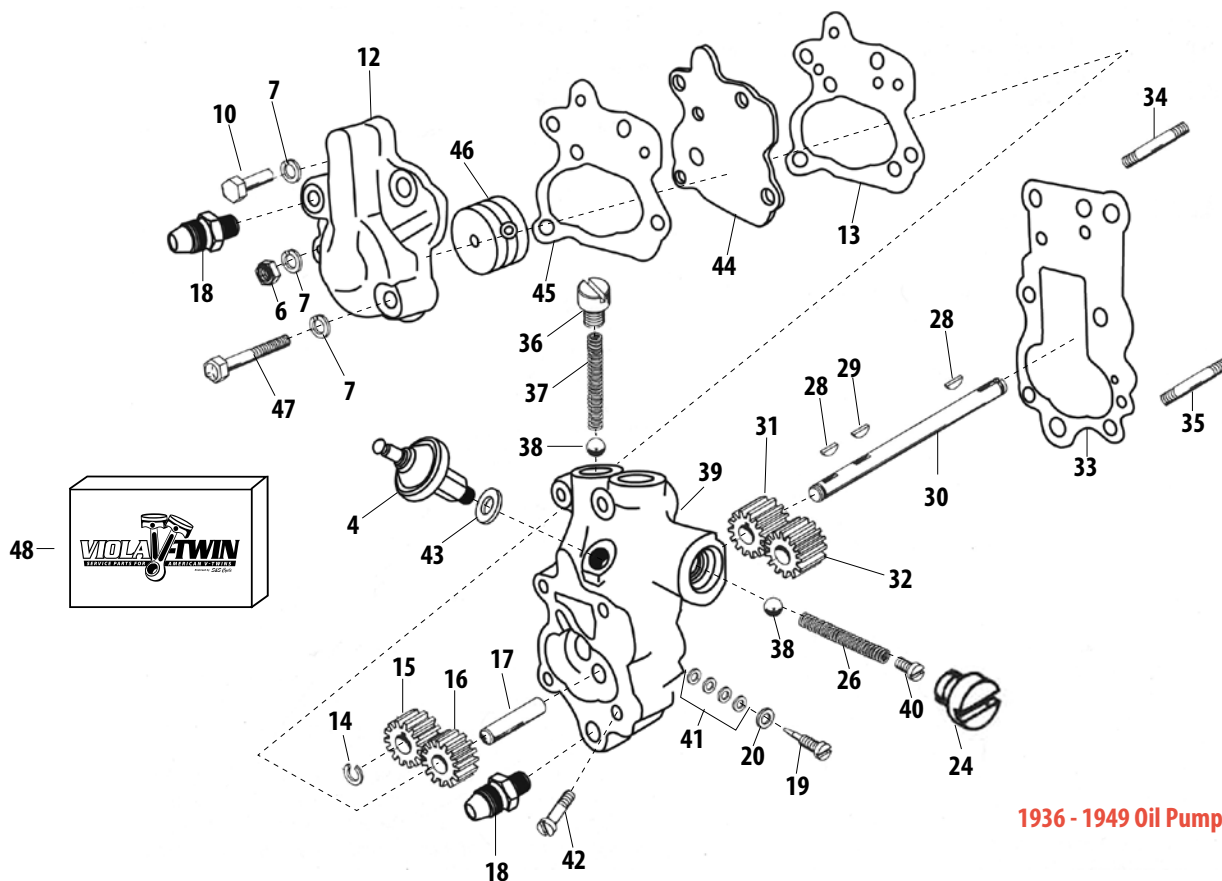
#	Description	OLD H-D PN	H-D Part No.	VVT Part No.
34	Mounting Stud, 1-11/16, 1941 - '67	591-36	24819-36	—
35	Mounting Stud, 2-1/4, 1941 - '67	591-36A	24820-36	—
36	Plug, Screw, Oil Pump/Check Valve/Relief Valve, Bright Zinc Plated, Steel 1937 - '84 <i>each</i>	701-36	26263-80, 26362-36	31-6021
	Plug, Screw, Oil Pump/Check Valve/Relief Valve, Bright Zinc Plated, Steel 1937 - '84 <i>5 Pack</i>			31-7005
	Screw, Bypass & Check Valve Cover, Late 1952 - Mid '54	—	26423-52A	—
37	Spring, Check Valve, .020" Wire, .265" x .319" x 1.940", Music Wire, 1936-'99 bt 1936 - '84 <i>each</i>	703-36	26363-36, 26363-56, 26262-80	31-6022
	Spring, Check Valve, .020" Wire, .265" x .319" x 1.940", Music Wire, 1936-'99 bt 1936 - '84 <i>10 Pack</i>			31-6092
38	Ball, Check Valve, .375", Stainless Steel 1936 - '84	283	8866, 8873	50-8091
39	Body, Oil Pump, 1936 - '40	678-36	—	—
	Body, Oil Pump, 1941 - '48 (w/o Rear Chain Oiler)	678-41	—	—
	Body, Oil Pump, 1941 - '48 (With Rear Chain Oiler)	678-41A	26217-41	—
	Body, Oil Pump, 1948 - '49	678-48	—	—
	Body, Oil Pump, 1950 - Mid '54 (No Service PN, See Pump Assembly PN)	—	—	—
	Body, Oil Pump, Late 1954 - Mid '62 (No Service PN, See Pump Assembly PN)	—	—	—
	Body, Oil Pump, Late 1962 - '64 (No Service PN, See Pump Assembly PN)	—	—	—
	Body, Oil Pump, 1965 - '67 (No Service PN, See Pump Assembly PN)	—	—	—
40	Bypass Valve Adjusting Screw, 1937 - '49	711-36	26368-36	—
41	Adjusting Screw Washer .002", 1933 - '49	674-32	6170	—
42	Oil Pump Mounting Screw, 1941 - '49	692-41A	1397	—
43	Nipple Packing Washer, 1946 - '49	2461-36A	6375	—
44	Oil Pump Cover Plate, 1941 - '47	683-41	26250-41	—
	Oil Pump Cover Plate, 1948	683-49A	—	—
	Oil Pump Cover Plate, 1949	683-49	26251-49	—
45	Oil Pump Cover Gasket, 1941 - '49	685-41	26257-41	—
46	Oil Pump Governor Rotor, 1941 - '48	687-41C	26300-41	—
47	Oil Pump Mounting Bolt, 1941 - '49	692-41	3834	—
48	Hardware Kit, Oil Pump Cover, Billet, 1936-'91 bt	—	—	31-6283
	Hardware Kit, Chain Oiler, 1936-'91 bt	—	—	31-6291
	Hardware Kit, Oil Pump Mounting, Billet, 1936-Up bt	—	—	31-6288
49	Oil Pump Assembly, 1936 - '40 <i>See Chart Complete Oil Pump Kit</i>	587-36	25275-36	—
	Oil Pump Assembly, 1941 - '48 (w/o Rear Chain Oiler) (Last Version of the Functional Rotor Cover) <i>See Chart Complete Oil Pump Kit</i>	587-41	26201-41	—
	Oil Pump Assembly, 1941 - '48 (With Rear Chain Oiler) (Last Version of the Functional Rotor Cover) <i>See Chart Complete Oil Pump Kit</i>	587-41A	26201-41A	—
	Oil Pump Assembly, 1948 - '49 (Rotor Style Cover But No Rotor) <i>See chart complete Billet Oil Pump Kit</i>	587-48	26201-48	—
	Oil Pump Assembly, 1950 - Mid '54 (Non-Rotor Cover) <i>See chart complete Billet Oil Pump Kit</i>	587-50	26201-48	—
	Oil Pump Assembly, Late 1954 - Mid '62 <i>See chart complete Billet Oil Pump Kit</i>	587-50	26201-48A	—
	Oil Pump Assembly, Late 1954 - Mid '62 (Pressure Switch Changes) <i>See chart complete Billet Oil Pump Kit</i>	—	26201-48B	—
	Oil Pump Assembly, Late 1954 - Mid '62 (Pressure Switch Changes) <i>See chart complete Billet Oil Pump Kit</i>	—	26201-48C	—
	Oil Pump Assembly, Late 1962 - '64 <i>See chart complete Billet Oil Pump Kit</i>	—	26201-48D	—
	Oil Pump Assembly, 1965 - '67 <i>See chart complete Billet Oil Pump Kit</i>	—	26201-65	—

NOT DIRECT SERVICE PARTS (SOLD AS ASSEMBLIES) *Note: These products are compatible services as assemblies.*

#	Description	VVT Part No.
49	Oil Pump, Kit, Universal, Silver Powdercoat, Billet, 1936-'69 bt	106-4688
	Oil Pump, Kit, Universal, Polished, Billet, 1936-'69 bt	31-6200
	Oil Pump, Kit, Universal, Polished, Billet, 1970-'91 bt ('73-E'81 req case mod - drill jig 53-0013)	31-6203



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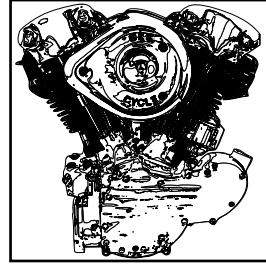
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Crate Engines	VVT Part No.
Engine, KN74, Super E, Super Stock Ignition, High Temp BlackCyl/Heads, Cast, 1936-'47 OHV bt	310-0025

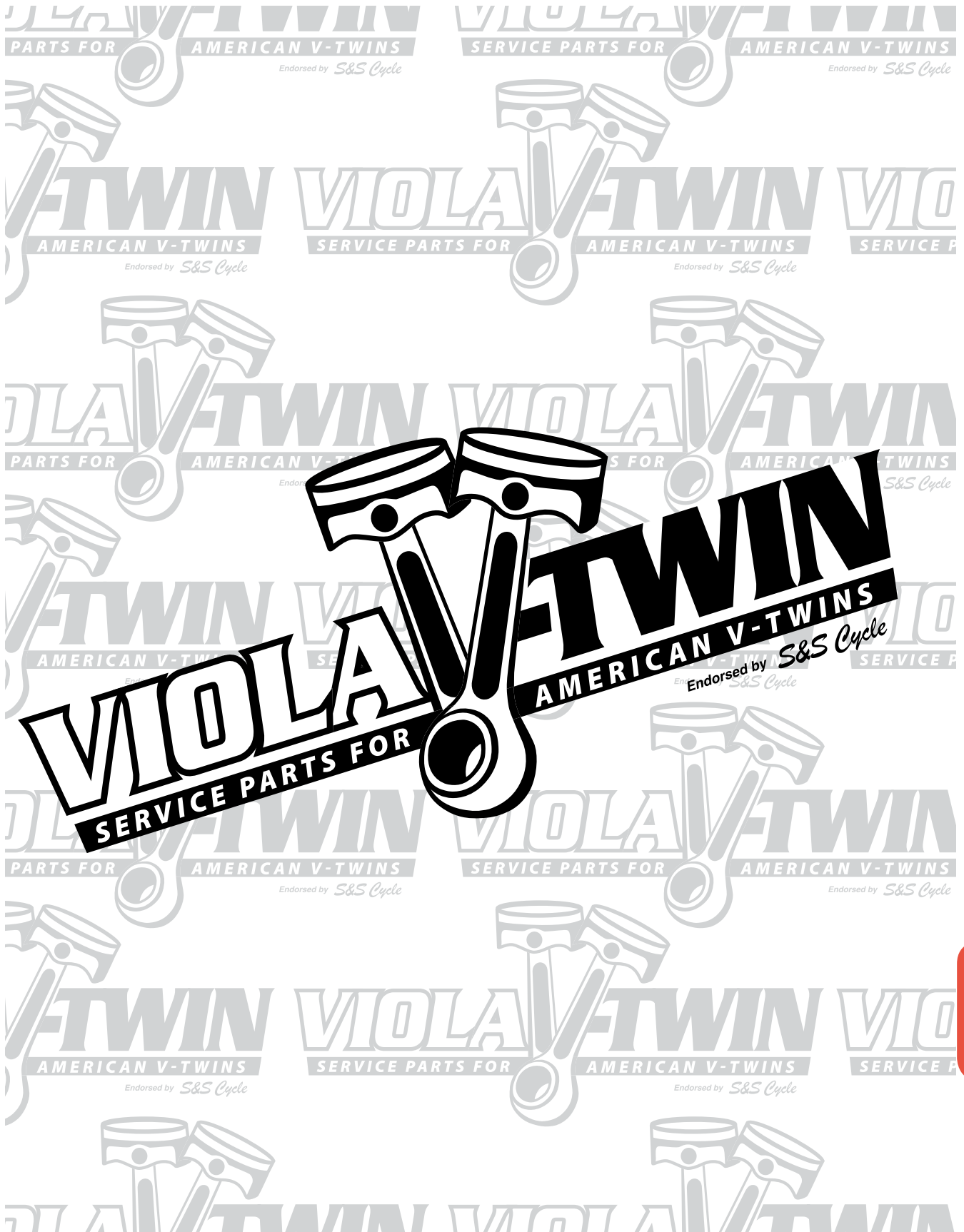
GASKET KITS

#	Description	OLD H-D PN	H-D Part No.	VVT Part No.
	Gasket, Inspection Cover, 1936-'64 FL, 1958-'69 xlCH, 5 Pack	-	60567-36	560-0072

LUBRICANTS

#	Description	VVT Part No.
	S&S 20w50 Premium Synthetic Engine Oil	310-0285
	S&S 20w50 Heavy Duty Engine Oil	310-0287
	S&S Petroleum 25w60 Engine Oil	310-0289
	S&S 75w140 Premium Synthetic Transmission Oil	310-0292
	S&S 85w140 Heavy Duty Transmission Oil	310-0291
	S&S 85w Extreme Duty Primary Oil	310-0290

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CYLINDER, HEAD & VALVE SERVICE PARTS FOR HARLEY-DAVIDSON KNUCKLEHEAD MODELS

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#	Description	OLD H-D PN	H-D Part No.	VVT Part No.
1	Front Intake Rocker Arm Cover, 1938 to 1947—OHV See chart for complete Top Cover Kit options	173-38	17510-38	—
	Rear Intake Rocker Arm Cover, 1938 To 1947—OHV See Chart For Complete Top Cover Kit Options	173-38A	17512-38	—
	Front Exhaust Rocker Arm Cover, 1938 to 1947—OHV See chart for complete Top Cover Kit options	173-38B	17514-38	—
	Rear Exhaust Rocker Arm Cover, 1938 to 1947—OHV See chart for complete Top Cover Kit options	173-38C	17516-38	—
2	Screw, Valve Spring Covers, Stock 1936-'47 OHV bt & KN-Series	179-39	3477	106-3634
3	Front Intake and Rear Exhaust Cover Screw Plate, w/Screws, 1938 to 1947—OHV	176-38	17550-38	—
	Front Intake and Rear Exhaust Cover Straight Screw Plate, w/Screws, 1938 to 1947—OHV	176-38A	17552-38	—
	Front Exhaust Cover Screw Plate, with Screws, 1938 to 1947—OHV	176-38B	17554-38	—
	Rear Intake Cover Curve Screw Plate, With Screws, 1938 to 1947—OHV	176-38C	17556-38	—
	Front Exhaust Cover Screw Plate, with Screws, 1938 to 1947—OHV	176-38D	17558-38	—
	Rear Intake Straight Screw Plate, with Screws, 1938 to 1947—OHV	176-38E	17560-38	—
4	Front Intake And Rear Exhaust Cover Gasket, 1938 to 1947—OHV	175-38	17535-38	—
	Rear Intake Cover Gasket, 1938 to 1947—OHV	175-38A	17537-38	—
	Front Exhaust Cover Gasket, 1938 to 1947—OHV	175-38B	17539-38	—
5	Valve Spring Kit 1937 to 1947—OHV See chart for complete Valve Spring Kit	—	—	—
6	Valve Key, 1936 to 1949—OHV (8 pack)	172-36	18228-36	900-0710
7	Upper Valve Spring Collar, 1936 To 1949—OHV (4 pack)	170-36	18221-36	900-0709
8	Outer Valve Spring, 1936 To 1949—OHV	168-36	18204-36, 18222-36, 18203-36	900-0711
9	Inner Valve Spring, 1936 To 1949—OHV	169-36		
10	Lower Spring Collar (27/32" I.D.), 1936 To 1947 Intake, Later 1938 To 1947 Exhaust OHV	171-36A	18222-36	900-0712
	Valve Guide, Intake/Exhaust, Standard, 1936-'47 bt	—	18185-36, 18181-36	900-0715
	Valve Guide, Intake/Exhaust, +.002", 1936-'47 bt	—	18184-36	900-0716
	Valve Guide, Intake/Exhaust, +.004", 1936-'47 bt	—	—	900-0717
	Valve Guide, Intake/Exhaust, +.006", 1936-'47 bt	—	—	900-0718
	Valve Guide, Intake/Exhaust, +.008", 1936-'47 bt	—	—	900-0719
	Valve Guide, Intake/Exhaust, +.025", 1936-'47 bt	—	—	900-0720
	Valve Guide, Intake/Exhaust, Standard, Cast Iron, 1936-'47 OHV bt, KN-Series	167-36	18181-36, 18185-40	106-3637
	Exhaust Valve Guide and Collar, +.001" O.S., 1936 to 1947 OHV	167-36A	18182-36	—
	Valve Guide, Intake/Exhaust, +.002", Cast Iron, Stock 1936-'47 OHV bt & KN-Series	167-36B	18184-36, 18187-40	106-3948
	Valve Guide, Intake/Exhaust, Standard, Cast Iron, 1936-'47 OHV bt, KN-Series	167-40	18185-40	106-3637
	Intake Valve Guide and Collar, +.001" O.S., 1936 to 1947 OHV	167-40A	18186-40	—
	Valve Guide, Intake/Exhaust, +.002", Cast Iron, Stock 1936-'47 OHV bt & KN-Series	167-40B	18187-40	106-3948
	Valve Guide, Intake/Exhaust, +.004", Cast Iron, 1936-'47 OHV bt, KN-Series	—	—	106-3638
	Valve Guide, Intake/Exhaust, +.008", Cast Iron, 1936-'47 OHV bt, KN-Series	—	—	106-3639
12	Set Rocker Arm Covers and Fittings (conversion set for 1936 & 1937 models not originally equipped), 1936 to 1947—OHV See chart for complete Bottom Cover Kit	173-38D	17518-38	—
	Front Intake and Rear Exhaust Cover Cap, 1938 to 1947—OHV See chart for complete Bottom Cover Kit	174-38	17525-38	—
	Rear Intake Cover Cap, 1938 to 1947—OHV See chart for complete Bottom Cover Kit	174-38A	17527-38	—
	Front Exhaust Cover Cap, 1938 to 1947—OHV See chart for complete Bottom Cover Kit	174-38B	17529-38	—
13	Nut, Kit, Rocker Arm Shaft, 1936-'47 OHV bt, KN-Series	0136	7831	106-3632
14	Oil Pipe For Rocker Housing 1936-'47—OHV (Y-line)	3573-36	—	—
15	Fitting, Bottom, Straight, Oil Line Supply, Cadmium Plated, 1936-'47 OHV bt, KN-Series	95-42A	17330-42	106-4734
16	Valve Spring Cover Oil Seal, 1937 to 1947—OHV	176-37	18265-37	—
17	Set, Front & Rear Cylinder Head, 1940 to 1947—OHV See chart for complete Cylinder Head Set	—	—	—
	Front Cylinder Head, 1940 to 1947—OHV See chart for complete Cylinder Head Set	9-40	16697-40	—
	Rear Cylinder Head, 1940 to 1947—OHV See chart for complete Cylinder Head Set	10-40	16700-40	—
18	Screw, HHC, 3/8-16 x 1-3/8", Cadmium Plated	071	4348	106-4597
19	Screw, HHC, 3/8-16 x 1-1/8", Cadmium Plated	073	4354	106-4598
20	Lock Washer, 7/16" See chart for compatible Washer	0265	7055	—
21	Front Intake Rocker Shaft, Later 1939 to 1947—OHV See chart for Shaft Set	105-39	17435-39	—
	Rear Intake Rocker Shaft, Later 1939 to 1947—OHV See chart for Shaft Set	106-39	17438-39	—
	Front Exhaust Rocker Shaft, Later 1939 to 1947—OHV See chart for Shaft Set	107-39	17441-39	—
	Rear Exhaust Rocker Shaft, Later 1939 to 1947—OHV See chart for Shaft Set	108-39	17444-39	—
22	Front Intake Rocker Arm, Later 1939 to 1947—OHV See chart for complete Rocker Arm Assembly	98-39	17360-39	—
	Rear Intake Rocker Arm, Later 1939 to 1947—OHV See chart for complete Rocker Arm Assembly	99-39	17375-39	—
	Front Exhaust Rocker Arm, Later 1939 to 1947—OHV See chart for complete Rocker Arm Assembly	100-39	17398-39	—

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#	Description	OLD H-D PN	H-D Part No.	VVT Part No.
	Rear Exhaust Rocker Arm, Later 1939 to 1947—OHV See chart for complete Rocker Arm Assembly	101-39	17405-39	—
23	Seal,Oil,Rocker Arm,1936-'47 OHV bt,KN-Series	120-38	17475-38	106-3636
24	Washer,Rocker Arm,Packing,Stock 1936-'47 OHV bt & KN-Series	123-36	17482-36	106-4358
25	Washer,Rocker Arm,Thrust,Stepped .015,1936-'47 OHV bt	119-36	17465-36	106-4352
26	Fitting,Pipe,Straight,Oil Line Return,Rocker Housing,Parkerized	94-38	17320-38	106-4619
27	Housing,Front,Rocker Arm,,Natural,Stock 1936-'47 OHV bt & KN-Series See chart for complete Rocker Arm Housing Set and polish options	90-36	17300-36	106-3842
	Housing,Rear,Rocker Arm,,Natural,Stock 1936-'47 OHV bt & KN-Series See chart for complete Rocker Arm Housing Set and polish options	91-41	17310-41, 17310-36	106-3945
28	Fitting,Top,Pipe,Straight,Oil Line Supply,Cadmium Plated	95-42	17325-42	106-4618
29	Nut,Rocker Arm Shaft,Knuckle,w/ O-ring,Chrome,Stock 1936-'47 OHV bt & KN-Series,4 Pack	114-36	17447-36	—
29a	Washer For Large Nut See chart for compatible O-ring option	469-15	6475	—
30	Intake and Exhaust Valve Insert (Standard Size) , 1936 to 1947—OHV	162-36	18050-36	—
	Intake and Exhaust Valve Insert - 1/32" O.S., 1936 to 1947—OHV	162-36A	18052-36	—
	Intake and Exhaust Valve Insert - 1/64" O.S., 1936 to 1947—OHV	162-36B	18054-36	—
31	Intake Valve, 1936 to 1947—OHV	163-36	18071-36	900-0713
32	Valve,Exhaust,1936-'65 bt		18081-36	900-0714
	Valve,Exhaust,,1.750",Stock 1936-'47 OHV bt & KN-Series	165-36	18081-36	106-3629
33	Cylinder head gasket, 61" 1936 to 1947—OHV 2 pack	12-36	16770-36	930-0012
34	Piston,Set,3-7/16",Standard,74",LC,Forged,,791" WP,1936-'84 bt See chart for High Compression Piston Sets	256-41	22101-48, 22101-41	106-5495
	Piston,Set,3-7/16",+.010",74",LC,Forged,,791" WP,1936-'78 bt See chart for High Compression Piston Sets	256-41D	22103-41, 22103-48	106-5496
	Piston,Set,3-7/16",+.020",74",LC,Forged,,791" WP,1936-'78 bt See chart for High Compression Piston Sets	256-41E	22104-41, 22104-48	106-5497
	Piston,Set,3-7/16",+.030",74",LC,Forged,,791" WP,1936-'78 bt See chart for High Compression Piston Sets	256-41F	22105-41, 22105-48	106-5498
	Piston,Set,3-7/16",+.040",74",LC,,791" WP,1936-'78 bt See chart for High Compression Piston Sets	256-41G	22106-41, 22106-48	106-5773
35	Ring,Set,Piston,3-7/16",Standard,Moly Faced,.0625, .0625, .184,1966-'84 bt	262-41	22325-55B, 22355-53, 22355-48, 22355-41	94-2200X
	Ring,Set,Piston,3-7/16",+.010",Moly Faced,.0625, .0625, .184,1966-'84 bt	262-41D	22327-55B, 22357-48, 22357-41	94-2201X
	Ring,Set,Piston,3-7/16",+.020",Moly Faced,.0625, .0625, .184,1966-'84 bt	262-41E	22328-55B, 22358-53, 22358-48, 22358-41	94-2202X
	Ring,Set,Piston,3-7/16",+.030",Moly Faced,.0625, .0625, .184,1966-'84 bt	262-41F	22329-55B, 22359-48, 22359-41	94-2203X
	Ring,Set,Piston,3-7/16",+.040",Moly Faced,.0625, .0625, .184,1966-'84 bt	262-41G	22330-55B, 22360-48, 22360-41	94-2204X
36	Washer,Head Bolt,Cadmium Plated,1936-'64 OHV bt See chart for compatible Head Bolt with Washer option	15-36	6469	—
37	Cylinder Head Bolt 7/16-16 x 2-9/16" 1940 to 1947 OHV See chart for compatible Head Bolt with Washer option	14-40	16814-40	—
	Head Bolt,Kit,Hex,7/16-20 x 2-3/8",Stock 1948-'65 OHV bt & 3-5/16" See chart for compatible Head Bolt with Washer option	14-48	16814-48	106-4523
38	Gasket,Base, 3-5/16", 3-7/16",1936-'47 OHV bt,KN-Series CMP-4200 See chart for compatible Base Gasket option	46-21	16774-21	106-2692
39	Cylinder,Front,3-7/16" Bore,5.530",1936-'47 OHV bt See chart for compatible Cylinders options	6-41B	16483-41	106-4513
	Rear Cylinder with Piston Assembly, 1941 to 1947—74" OHV See chart for compatible Cylinders options	7-41B	16491-41	—
40	Nut,Kit,Base,Cadmium Plated,Stock Bore 1930-'78 bt See chart for Nut and Washer Kit and optional Stainless Steel version	0134	16602-30	106-4522
	Washer,Lock,7/16",Cadmium Plated	0265	7055W	—
41	Stud,Cylinder Base,7/16-14 UNC, 7/16-20 UNF x 2.0,Zinc,Steel	29-30	16831-30, 16837-30	31-2328-5
42	Pushrod,Set,Non-Adjustable,Stock (61"),Aluminum,1936-'47 bt	131-36	17905-36	930-0007
	Pushrod,Set,Non-Adjustable,Stock (74"),Aluminum,1936-'47 bt	131-36	17905-36	930-0008
43	Pushrod Cover,Kit,Natural,Stock 1936-'47 OHV bt & KN-Series	136-36	17939-36	106-3949
44	O-ring,Square,,1875"	145-36	17955-36	106-3849
45	Pushrod Cover,Top,Natural,Zinc Plated,Steel,Stock 1936-'47 OHV bt & KN-Series	134-36	17935-36	106-3850
46	Cap,Pushrod Cover,1936-up bt, 1957-'90 xl	138-36	17945-36B	93-4017
47	Spring,Pushrod Cover Cap,.080" Wire,.730" x .890" x .925",Steel,1936-up bt, 1957-'90 xl	140-36	17947-36	93-4018
48	Washer,Flat,.715" x .950" x .031",Steel	146-36	6762B	50-7131
49	Pushrod Cover,Bottom,Chrome,Stock 1936-'47 OHV bt & KN-Series	135-40	17983-40	106-3851
50	Screw,Slotted,Oval,Machined,1/4-24 x 5/8",Cadmium Plated,Steel	057	2329	106-3847
51	Washer,Countersunk,External Tooth,1/4" x 1/2",Cadmium Plated,Steel	0365	7231	106-3848
52	Tappet Guide,Front,,Silver,Cast Iron,1936-'47 OHV bt See chart for Tappet Guide Set	234-36	18600-36	106-2665
	Tappet Guide,Rear,,Silver,Cast Iron,1936-'47 OHV bt See chart for Tappet Guide Set	235-36	18610-36	106-2666
53	Tappet,Assembly,Exhaust,Standard,1936-'47 OHV bt	201-36	18493-36	106-1817

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Note: VVT parts cross referenced to stock OEM parts are functionally identical, but may differ slightly in appearance. Line drawings are a typical representation and may not be an exact match. Please confirm the required stock part number for intended application before ordering. All reference to H-D® part numbers are for identification purposes only. We are in no way implying that any of the VVT products are original equipment parts or that they are equivalent to the corresponding H-D part number shown.



CONTINUED:

CYLINDER, HEAD & VALVE SERVICE PARTS FOR HARLEY-DAVIDSON KNUCKLEHEAD MODELS

#	Description	OLD H-D PN	H-D Part No.	VVT Part No.
	Tappet, Assembly, Exhaust, +.005", 1936-'47 OHV bt	—	—	106-1818
54	Tappet, Assembly, Intake, Standard, 1936-'47 OHV bt	200-36	18491-36	106-1815
	Tappet, Assembly, Intake, +.005", 1936-'47 OHV bt	—	—	106-1816
55	Gasket, Tappet Guide, Fiber 4N, 1936-'47 OHV bt <i>each</i>			106-2561
	Gasket, Set, Tappet Guide, 1936-'47 OHV bt <i>2 Pack</i>	237-36	18632-36	106-2563
56	Tappet Roller Kit, 1936 to 1949—OHV (<i>4 pack</i>)	208-29A	18534-29A	330-0377
—	Terminal Nut For Spark Plug, 1927 to 1947, 1948—OHV & side valves (Not Shown)	39-26	32370-26	—
	Spark Plug (No.2) 1927 to 1947, 1948—OHV & side valves	37-09B	32304-09	—
58	Spark Plug (No.3) 1927 to 1947, 1948—OHV & side valves	37-09C	32302-09	—
	Spark Plug (No.4) 1927 to 1947, 1948—OHV & side valves	37-09D	32300-09	—
	Spark Plug (No.5 racing) 1927 to 1947, 1948—OHV & side valves	37-09E	32306-09	—
59	Spark Plug Gasket, 1927 to 1947, 1948—side valves	40-08	32342-08	—
60	Pushrod Cover Spring Cap Retainer <i>See chart for compatible Cover Keeper chrome option</i>	142-40	17949-40	—
61	Rocker Arm Ball Stud	102-36	17425-36	—

NOT DIRECT SERVICE PARTS (SOLD AS ASSEMBLIES) <i>Note: These products are compatible services as assemblies.</i>				
#	Description			VVT Part No.
1	Cover, Kit, Top, Valve Spring (Tins), Chrome, 1938 - '47 bt; KN - Series			106-2400
	Cover, Kit, Top, Valve Spring (Tins), Gloss Black, 1938 - '47 bt; KN - Series			106-2893
	Cover, Kit, Top, Valve Spring (Tins), Silver, 1938 - '47 bt; KN - Series			106-4346
5	Spring, Kit, Valve, OEM, 1936-'47 bt			900-0708
	Valve Spring Kit 1937 to 1947—OHV			106-6398
12	Cover, Kit, Bottom, Valve Spring (Tins), Black Anodize, 1938 - '47 bt; KN - Series (Must be used with S&S top covers part #106-2400, S&S spring kit part #106-6398, and oil line return kit part #106-4446)			106-2401
	Oil Line, Kit, Return, Complete, KN-Series			106-4446
16	Gasket, Bottom, Valve Spring Covers, (Tins), Vulcanized Fiber, 1936-'47 OHV bt			106-2878
17	Head, Set, Partially Assembled, CTO, Stock 1936-'47 OHV bt KN-Series			106-2403
	Head, Kit, Fully Assembled, Configure To Order, Stock 1936-'47 OHV bt KN-Series			106-4929
20	Washer, Lock, 7/16", Zinc			106-4357
21	Shaft, Set, Rocker Arm, 1936-'47 OHV bt, KN-Series			106-2413
22	Rocker Arm, Assembly, FI, Non-Roller, 1:1 Ratio 1936-'47 OHV bt, KN-Series			106-2862
	Rocker Arm, Assembly, RI, Non-Roller, 1:1 Ratio 1936-'47 OHV bt, KN-Series			106-2864
	Rocker Arm, Assembly, FE, Non-Roller, 1:1 Ratio 1936-'47 OHV bt, KN-Series			106-2863
	Rocker Arm, Assembly, RE, Non-Roller, 1:1 Ratio 1936-'47 OHV bt, KN-Series			106-2865
	Rocker Arm, Set, Non-Roller, 1:1 Ratio, 1936-'47 OHV bt, KN-Series			106-2412
27	Housing, Set, Rocker Arm, Natural, Stock 1936-'47 OHV bt & KN-Series			900-0622
	Housing, Set, Rocker Arm, Polished, Stock 1936-'47 OHV bt & KN-Series			900-0617
	Housing, Front, Rocker Arm, Polished, Stock 1936-'47 OHV bt & KN-Series			900-0618
	Housing, Rear, Rocker Arm, Polished, Stock 1936-'47 OHV bt & KN-Series			900-0619
29a	O-ring, (-017), .676" ID x .816" OD, Black, Viton			50-0466
34	Piston, Set, 3-7/16", Standard, HC, .791" WP, 1936-'84 bt			106-5503
	Piston, Set, 3-7/16", +.010", HC, .791" WP			106-5504
	Piston, Set, 3-7/16", +.020", HC, .791" WP, 1936-'84 bt			106-5505
	Piston, Set, 3-7/16", +.030", HC, .791" WP, 1936-'84 bt			106-5506
	Piston, Set, 3-7/16", +.040", HC, .791" WP, 1936-'84 bt			106-5775
38	Gasket, Base, KN-Series, 3-5/8", Fiber 4N			106-2690
39	Cylinder, Set, 3-7/16" Bore, 5.530", w/Gaskets, Hi-Temp Black, 1936-'47 OHV bt			106-4512
	Cylinder, Front, 3-7/16" Bore, 5.530", 1936-'47 OHV bt			106-4513
	Cylinder, Rear, 3-7/16" Bore, 5.530", 1936-'47 OHV bt			106-4514
	Cylinder, Kit, 3-7/16" Bore, 5.530", 3-31/32" Stroke, 106-5495, Hi-Temp Black, 8.0:1 Compression, 1936-'47 OHV bt			106-4519
40	Nut, Kit, Base, Cadmium Plated, Stock Bore 1930-'78 bt (includes 8 nuts and 8 washers)			106-4522
	Nut, Cylinder Base, HH, 7/16-20 UNF-2B x .910", Polished, Stainless Steel, 416 <i>each</i>			93-3063-S
	Nut, Cylinder Base, HH, 7/16-20 UNF-2B x .910", Polished, Stainless Steel, 416 <i>8 pack</i>			93-3063
52	Tappet Guide, Set, Silver, 1936-'47 OHV bt			106-2410
53, 54	Tappet, Set, Standard, 1936-'47 OHV bt			106-1819
	Tappet, Set, +.005", 1936-'47 OHV bt			106-1820
60	Cover Keeper, Pushrod, 3.330", Chrome			93-4035-S

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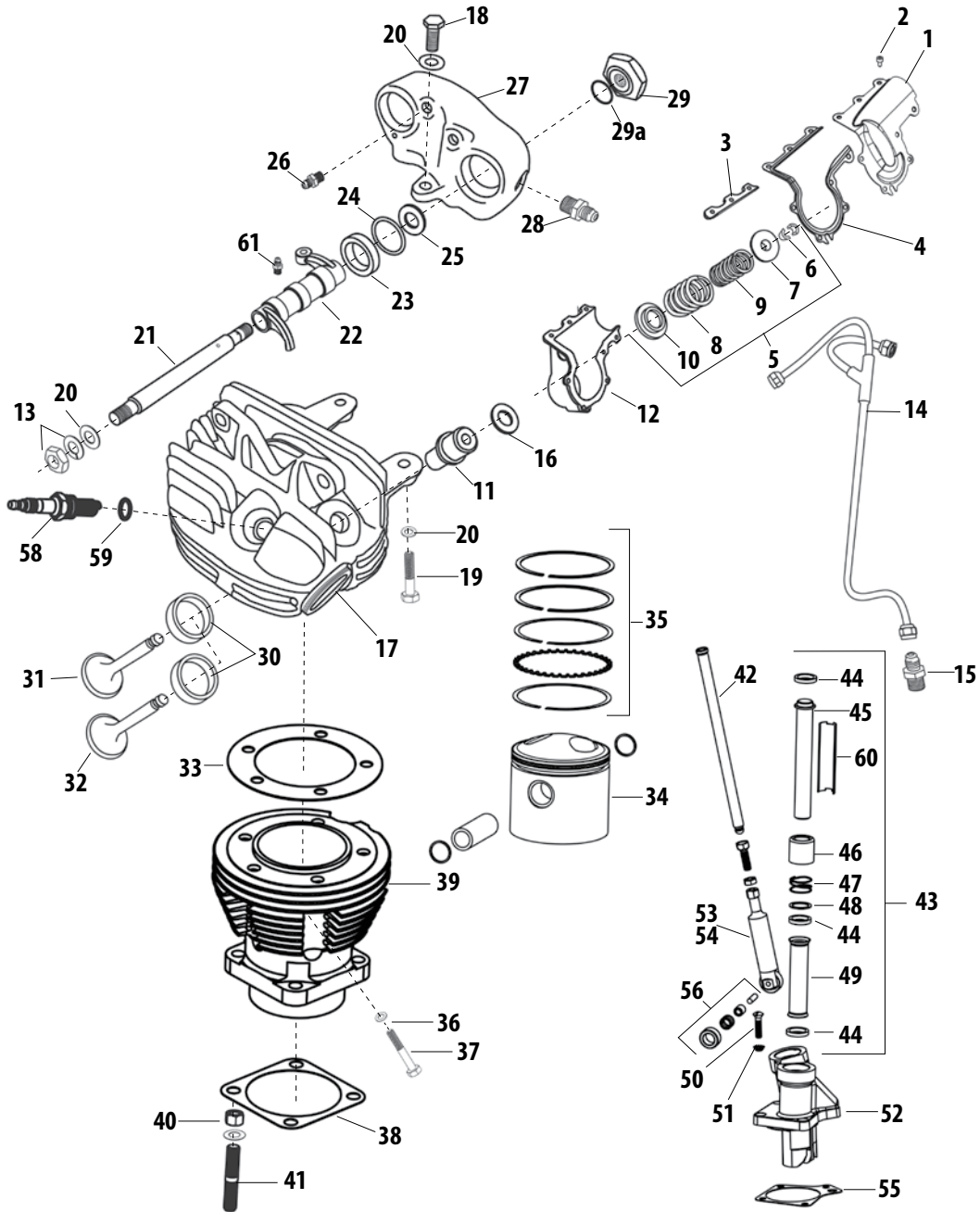
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CONNECTING RODS AND FLYWHEELS FOR HARLEY-DAVIDSON KNUCKLEHEAD MODELS (AND PANHEAD)

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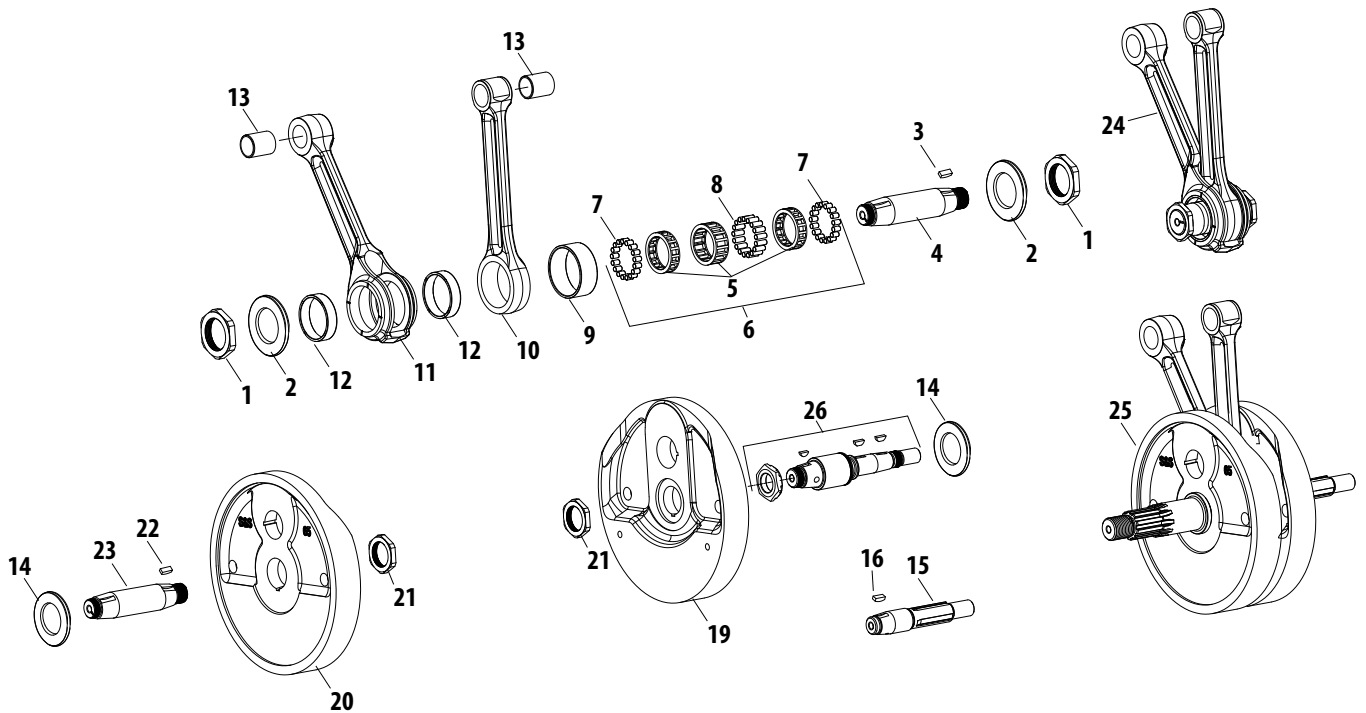
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#	Description	OLD H-D PN	H-D Part No.	VVT Part No.
1	Nut, Crankpin (2), 1954-E'81 bt		23966-54A	—
	Nut, Crankpin (2), 1937-'49, 61" OHV bt & 1937-'48 SVBT	366-36	23966-36	—
	Nut, Crankpin (2), 1941-'49, 74" OHV bt	366-41	23967-41	—
	Washer, Flywheel (2), 1937-'49, 61" OHV bt & 1937-'48 SVBT	372-36	23972-36	—
	Washer, Flywheel (2), 1941-E'70 bt	372-41	23973-41	—
3	Key, Crankpin, 1930-E'81 bt	1650-18	23985-18	—
4	Crankpin, Stock Threads, 1.249", 1941-'81 bt	348-41	23961-41	34-2002
	Crankpin, 1940-'49 SV & 61" OHV bt See chart for compatible Crankpin Assembly	348-40	23962-40	—
5	Retainer, Crankpin Roller (4), 1951-'72 bt	301-51	24366-51	—
	Retainer, Crankpin Roller (4), 1940-'49, 61" OHV bt	301-40	24366-40	—
6	Bearing, Assembly, Connecting Rod, 1.25", 1941-'99 bt		24346-87A, 24385-40B	34-4010
	Bearing, Assembly, Connecting Rod, +.0004", 1941-'84 bt		24387-40B	—
	Bearing, Assembly, Connecting Rod, +.0006", 1941-'84 bt		24388-40B	—
	Bearing, Assembly, Connecting Rod, +.0008", 1941-'84 bt		24389-40B	—
	Bearing, Assembly, Connecting Rod, +.0010", 1941-'84 bt		24390-40B	—
	Bearing, Assembly, Connecting Rod, -.0002", U.S., 1941-'84 bt		24391-40B	—
7	Roller, Crankpin, 0.188 X 0.344 - Standard (36), 1940-'49 bt	304-40	9361	—
	Roller, Crankpin, +.0002" (36), 1940-'49 bt	304-40D	9362	—
	Roller, Crankpin, +.0004" (36), 1940-'49 bt	304-40F	9363	—
	Roller, Crankpin, +.0006" (36), 1940-'49 bt	304-40H	9364	—
	Roller, Crankpin, +.0008" (36), 1940-'49 bt	304-40KA	9365	—
	Roller, Crankpin, +.0010" (36), 1940-'49 bt	304-40MA	9366	—
	Roller, Crankpin, 0.188 X 0.329 - Std. (36), 1951-'72 bt		9101A	—
	Roller, Crankpin, +.0002" (36), 1951-'72 bt		9102A	—
	Roller, Crankpin, +.0004" (36), 1951-'72 bt		9103A	—
	Roller, Crankpin, +.0006" (36), 1951-'72 bt		9104A	—
	Roller, Crankpin, +.0008" (36), 1951-'72 bt		9105A	—
	Roller, Crankpin, +.0010" (36), 1951-'72 bt		9106A	—
	Roller, Crankpin, -.0002", U.S. (36), 1951-'72 bt		9108A	—
	8	Roller, Crankpin, 0.188 X 0.694 - Standard (36), 1940-'49 bt	305-40	9341
Roller, Crankpin, +.0002" (36), 1940-'49 bt		304-40D	9342	—
Roller, Crankpin, +.0004" (36), 1940-'49 bt		304-40F	9343	—
Roller, Crankpin, +.0006" (36), 1940-'49 bt		304-40H	9344	—
Roller, Crankpin, +.0008" (36), 1940-'49 bt		304-40KA	9345	—
Roller, Crankpin, +.0010" (36), 1940-'49 bt		304-40MA	9346	—
Roller, Crankpin, 0.188 X 0.662 - Standard (18), 1951-'72 bt			9171A	—
Roller, Crankpin, +.0002" (18), 1951-'72 bt			9172A	—
Roller, Crankpin, +.0004" (18), 1951-'72 bt			9173A	—
Roller, Crankpin, +.0006" (18), 1951-'72 bt			9174A	—
Roller, Crankpin, +.0008" (18), 1951-'72 bt			9175A	—
Roller, Crankpin, +.0010" (18), 1951-'72 bt			9176A	—
Roller, Crankpin, -.0002", U.S. (18), 1951-'72 bt			9179A	—
9		Race, Front, Connecting Rod, 1941-'99 bt Also available in a complete Rebuild Kit, see chart		24356-36A
10	Connecting Rod, Front	286-36	24302-36	—
11	Connecting Rod, Rear	285-36	24298-36	—
12	Race, Rear, Connecting Rod, 1941-'99 bt Also available in a complete Rebuild Kit, see chart		24345-36A	34-4006
13	Bushing, Piston Pin, +.002 O.S. O.D., 1941-'84 bt Also available in a complete Rebuild Kit, see chart	295-36	24334-36	34-4007
	Bushing, Piston Pin, +.010 O.S. O.D. (2), 1941-'84 bt	295-36A	24335-36	—
14	Flywheel Thrust Collar, Assortment of 10, 1929-'49 bt	358-17A	24100-17	—
	Flywheel Thrust Collar, .066", 1929-'49 bt	358-17B	24102-17	—
	Flywheel Thrust Collar, .070", 1929-'49 bt	358-17C	24104-17	—
	Flywheel Thrust Collar, .074", 1929-'49 bt	358-17D	24106-17	—
	Flywheel Thrust Collar, .078", 1929-'49 bt	358-17E	24108-17	—
	Flywheel Thrust Collar, .082", 1929-'49 bt	358-17F	24111-17	—
	Flywheel Thrust Collar, .086", 1929-'49 bt	358-17G	24113-17	—
	Flywheel Thrust Collar, .090", 1929-'49 bt	358-17H	24115-17	—
	Flywheel Thrust Collar, .094", 1929-'49 bt	358-17JA	24117-17	—
	Flywheel Thrust Collar, .098", 1929-'49 bt	358-17KA	24120-17	—
	Flywheel Thrust Collar, .102", 1929-'49 bt	358-17LA	24122-17	—
	15	Gear Shaft, Pinion 1939-'49 OHV See chart #26 for compatible Pinion Shaft Assembly	356-39	24696-39
Gear Shaft, Pinion 1939-'54 OHV			24006-39	—
Gear Shaft, Pinion 1955-'57 OHV			24006-54A	—
Gear Shaft, Pinion 1958-'72 OHV			24006-58	—

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#	Description	OLD H-D PN	H-D Part No.	VVT Part No.
16	Key, Gear Shaft, 1912-E '81	361-12	23985-12	—
—	Shaft Nut Lock Plate 1936-'49 OHV 61" & 1937-'48 SVBT All Shafts, 1941-'49 OHV 74" Gear and Sprocket Shafts (Not Shown)	370-36	24015-36	—
—	Crankpin Nut Lock Plate 1941-'49 OHV 74" (Not Shown)	369-41	24015-36	—
18	Lockplate Screw 1912-'49 bt	030	1187	—
—	Screw, No. 10-24 X 3/8 Pozidriv Pan Hd. (4), 1948-E'78	030	2660	—
19	Flywheel, Right, 1941-'80 OHV 74" & 80"	339-41A	23940-41A	—
—	Flywheel, Right, 1936-'40 OHV 61"	339-36	339-36	—
—	Flywheel, Right, 1941-'49 OHV 61"	339-41	23942-41	—
20	Flywheel, Left, 1941-'80 OHV 74" & 80"	338-41A	23919-41	—
—	Flywheel, Left, 1936-'40 OHV 61"	338-36	338-36	—
—	Flywheel, Left, 1941-'49 OHV 61"	338-41	23922-41	—
21	Nut, Gear and Sprocket Shafts 1937-E '81	364-36	24023-36	—
22	Key, Sprocket Shaft, 1956-'71 bt	361-12	23985-56	—
—	Key, Sprocket Shaft, 1912-'55 bt	361-12	23985-12	—
23	Sprocket Shaft, 1965-'69 bt See chart for compatible Sprocket Shaft		24001-65	—
—	Sprocket Shaft, 1956-'64 bt See chart for compatible Sprocket Shaft		24001-56	—
—	Sprocket Shaft, 1955 bt See chart for compatible Sprocket Shaft		24001-55	—
—	Sprocket Shaft, 1930-'54 bt See chart for compatible Sprocket Shaft	352-30	24001-30	—
24	Set of Connecting Rods with Bearings & Crankpin, 1936-'49 OHV 61" See chart for Connecting Rod Set	290-36	24277-36	—
—	Set of Connecting Rods with Bearings & Crankpin, 1941-'49 OHV 74" See chart for Connecting Rod Set	290-41	24281-41A	—
25	Flywheel, Set, 8-1/2" Diameter, Special Order, 1936-'84 bt See chart for a Special Order Flywheel Assembly		23906-74	—
—	Flywheel, Set, with Shafts and Rods, 1936-'84 See chart for a Special Order Flywheel Assembly		23906-78F	—

NOT DIRECT SERVICE PARTS (SOLD AS ASSEMBLIES) *Note: These products are compatible services as assemblies.*

#	Description	VVT Part No.
4	Crankpin, Assembly, Tapered, 1.249", 1937-'53 OHV bt and 1940-'48 SVBT (includes crankpin nuts and key)	34-2001
—	Crankpin, Assembly, Tapered, 1.249", 1941-'81 bt (includes crankpin nuts and key)	34-2003
9, 12, 13	Rebuild Kit, Connecting Rod, Race & Bushing, 1941-'99 bt	34-4040
23	Sprocket Shaft, Assembly, 1936-'54 bt	33-2001
—	Sprocket Shaft, Assembly, 1965-'69 bt	33-2003
24	Connecting Rod, Set, Heavy Duty, IBC, .791" WP, 7.440", 1941-E '81 bt	34-7004
25	Flywheel, Special Order, 1936-'99 bt	32-2015
—	Flywheel, 3-13/16" Stroke, 7-7/8" Diameter, WR/KR	32-3013
26	Pinion Shaft, Assembly, Tapered, Standard, 1939-'53 bt	33-2021
—	Pinion Shaft, Assembly, Tapered, Standard, 1958-E'81 bt	33-2024
—	Pinion Shaft, Assembly, Tapered, Standard, 1937-'43 bt	33-2356

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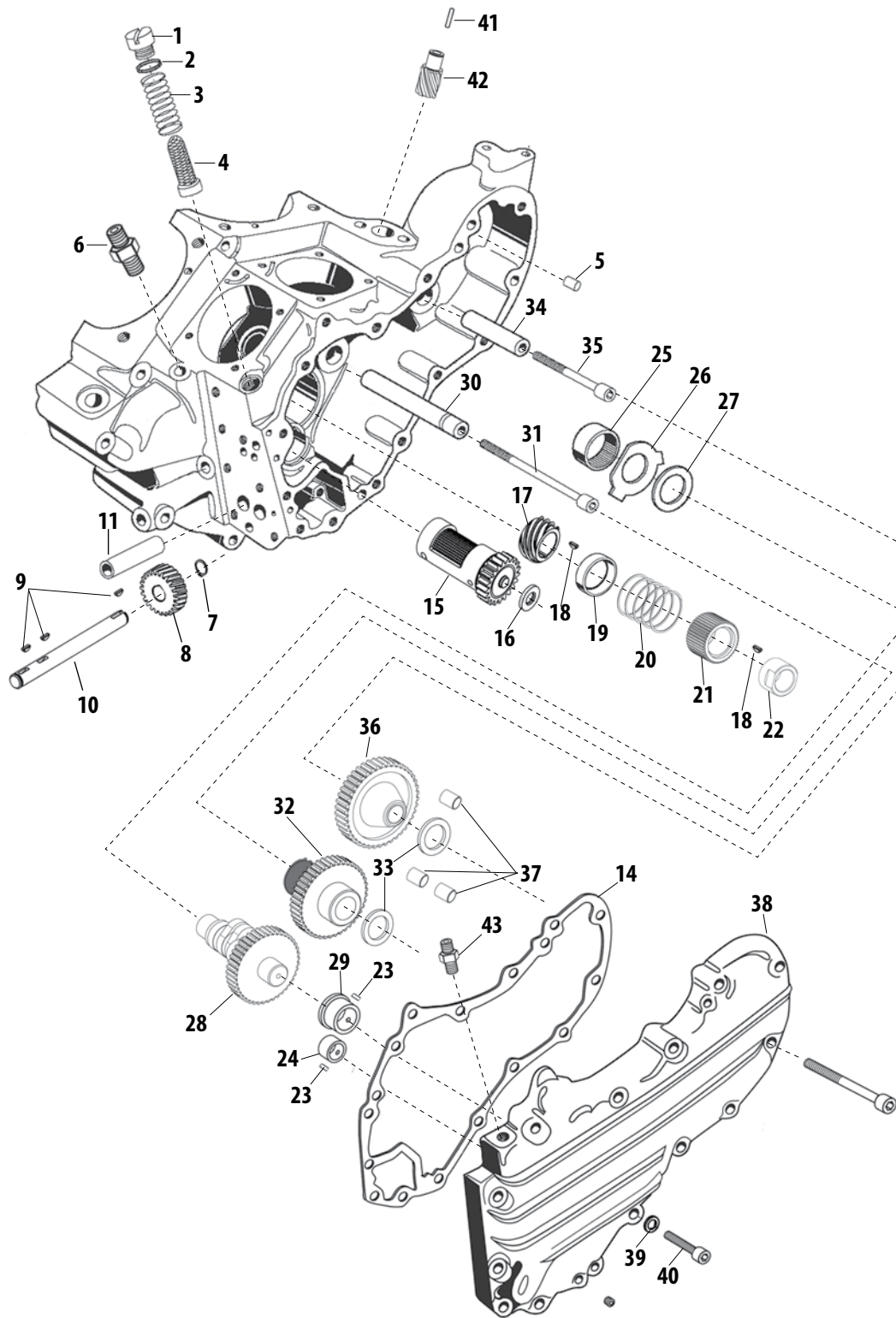
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#	Description	OLD H-D PN	H-D Part No.	VVT Part No.
1	Plug, Oil Screen, 1948 - '99 S&S bt See chart for compatible Oil Pump Screw	655	26263-80	—
2	Gasket, Oil Screen Plug, L1952 - '69	—	62702-52	—
	O-Ring, Oil Screen Plug, 1948 - '99 S&S Bt See chart for compatible O-Ring	—	11105	—
3	Spring,Crankcase Oil Screen,.040" Wire,.340" x .420" x 1.375",MusicWire,1953-'99 btL1952 - '69 <i>each</i>	24982-66	24982-66, 24982-70	31-2011-5
	Spring,Crankcase Oil Screen,.040" Wire,.340" x .420" x 1.375",MusicWire,1953-'99 btL1952 - '69 <i>10 Pack</i>	—	—	31-2058
4	Oil Screen, Crankcase, L1952 - '69	24981-66	24981-70, 24981-66	31-2010
5	Dowel Pin, Gearcover, Pin,Dowel,.370" x .750",Steel(2), 1936 - '69	585-30	585-30, 377, 378	50-8017
6	Fitting, Rocker Arm Oil Line, 1966 - '69	—	63526-57	—
7	Retaining Ring,Oil Pump Drive Shaft,SAE 1060-1090, 1941 - '69	695-36	695-36, 26348-36	50-8058
8	Drive Gear, Oil Pump - 25 Tooth, 1941 - '69 See chart for compatible 24 Tooth Oil Pump Drive Gear	26345-39	26345-70	—
9	Key,Woodruff,.094" x .313" x .311",Steel, 1936 - '69	634-15	26347-15	50-8220-5
10	Shaft, Drive, Oil Pump, 1936-'67	638-36	26346-36	—
	Shaft,Drive,Oil Pump,.4223" x 4.650",Cold Drawn Steel,AISI 1146,1968-'99 bt	26346-68	26346-70	31-6011
11	Bushing, Drive Shaft, Oil Pump, Stepped,.424" x .533" x 2.540", Bronze, 1936-1999 bt, 1954 - '69	412-36	24641-36	31-4008
—	Breather Screen Separator 1936 - '69 (Not Shown)	585-36A	25279-36	—
—	Breather Screen 1936 - '69 (Not Shown)	585-36	25275-36	—
14	Gasket,Gearcover,1936-'64 bt	598-36	25225-36A	31-2030
	Gasket,Gearcover,1965-'69	—	25225-36C	106-2072
15	Gear,Breather,High Evacuation,1936-'53 bt1936 - '47	504-36	25300-36	106-5070
	Gear,Breather,High Evacuation,+.030",1936-'47 bt	—	—	106-6012
	Gear,Breather,1948-E'77 bt See chart for complete Breather Gear Kit	—	25313-73	33-4246
	Gear,Breather,+.030",1948-E'77 bt	—	—	33-4247
	Gear, Breather, with Gear, L1977 - '99 See chart for complete Breather Gear Kit	25313-77B	25310-82A, 25313-77B, 25311-90	33-4241
	Gear, Breather, +.030", with Gear, L1977 - '99	—	—	33-4242
16	Thrust Washer, Breather Valve - 0.115 Thick, 1950 - '69	—	25313-50	—
	Thrust Washer, Breather Valve - 0.120 Thick, 1950 - '69	—	25314-50	—
	Thrust Washer, Breather Valve - 0.125 Thick, 1950 - '69	—	25315-50	—
	Thrust Washer, Breather Valve - 0.110 Thick, 1952 - '69	—	25316-52	—
17	Gear,Pinion,Oil Pump Drive,6 Tooth,1954-'89 bt1954 - '69	26349-54	26349-73, 26349-73A	33-4232
18	Key, Gear Shaft (2), 1954 - '69	—	23985-54	—
	Key,Woodruff,.094" x .313" x .311",Steel (2), 1954 - '69	—	26347-15	50-8220-5
19	Spacer, Gear Shaft Pinion, 1940 - '53	355-40	24703-40	—
	Spacer,Oil Pump Drive Gear,.740" x .900" x .320",Black,Steel,1954-'89 bt1954 - '69	—	24703-54B	33-4289
20	Spring, Seal Ring	355-37B	24699-37	—
21	Gear,Pinion,Green,1954-E'77 bt1954 - '69 See chart for Pinion Gear diameter options	—	24010-54	33-4125
22	Nut,Pinion Gear,5/8-24 UNEF-3B LH x .375",Black,Steel,4140, 1954 - '69	—	24023-54	33-4244
23	Dowel Pin, 1/8 x 1/4 (2), 1941 - '69	—	275	—
	Dowel Pin, 1/8 X 1/4 (2), 1931 - '49	661-31	271	—
24	Bushing, Gearcover Pinion Shaft, 1954 - '72	—	25582-54A	—
	Bushing, Gearcover Pinion Shaft, 1973 - '92	—	25582-73	—
25	Bushing, Crankcase Cam Gear, 1936 - '57	660-36	25597-36	—
	Bearing,Assembly,Needle,Cam, 1958 - '69	—	9058	31-4009
26	Washer,Cam,Lock,.062",Steel, 1958 - 99 bt <i>each</i>	—	—	33-5201
	Washer,Cam,Lock,.062",Steel,5 Pack	—	25550-57A	33-5213
	Washer,Cam,Lock,.062",Steel,1936-'56 OHV bt (KN Series) <i>each</i>	—	—	106-4528
27	Washer,Cam,Thrust,.820" x 1.060" x .050",Steel1936 - '99 <i>each</i>	664-36	25550-36	33-5200
	Washer,Cam,Thrust,.820" x 1.060" x .055",Steel, 1936 - '99 <i>each</i>	—	25551-36	33-5202
	Washer,Cam,Thrust,.820" x 1.060" x .060",Steel, 1936 - '99 <i>each</i>	—	25552-36	33-5203
	Washer,Cam,Thrust,.820" x 1.060" x .065",Steel 1936 - '99 <i>each</i>	—	25553-36	33-5204
	Washer,Cam,Thrust,.820" x 1.060" x .070",Steel, 1936 - '99 <i>each</i>	—	25554-36	33-5205
	Washer,Cam,Thrust,.820" x 1.060" x .070",Steel,5 Pack1936 - '99 <i>5 Pack</i>	—	—	33-1011
	Washer,Cam,Thrust,.820" x 1.060" x .075",Steel, 1936 - '99 <i>each</i>	—	25555-36	33-5206
	Washer, Cam, Thrust, .820" x 1.060" x .080", Steel, 1936 - '99	—	25556-79	—
	Washer, Cam, Thrust, .820" x 1.060" x .085", Steel, 1936 - '99	—	25557-79	—
	Washer, Cam, Thrust, .820" x 1.060" x .090", Steel, 1936 - '99	—	25558-79	—
	Washer, Cam, Thrust, .820" x 1.060" x .095", Steel, 1936 - '99	—	25559-79	—
28	Cam, 346, 1936 - '47 OHV	614-36	25522-36	106-3676
29	Bushing,Cam,Bronze,1936-'69 bt	661-36	25581-36	31-4025
30	Shaft,Circuit Breaker Drive Gear,1936-'69 bt, 1936 - '69	—	25856-36	31-2037
31	Screw, Left Hand Thread, Late 1959 - '69	—	1430	—

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GENERATOR GEARCOVER SERVICE PARTS FOR HARLEY-DAVIDSON KNUCKLEHEAD MODELS

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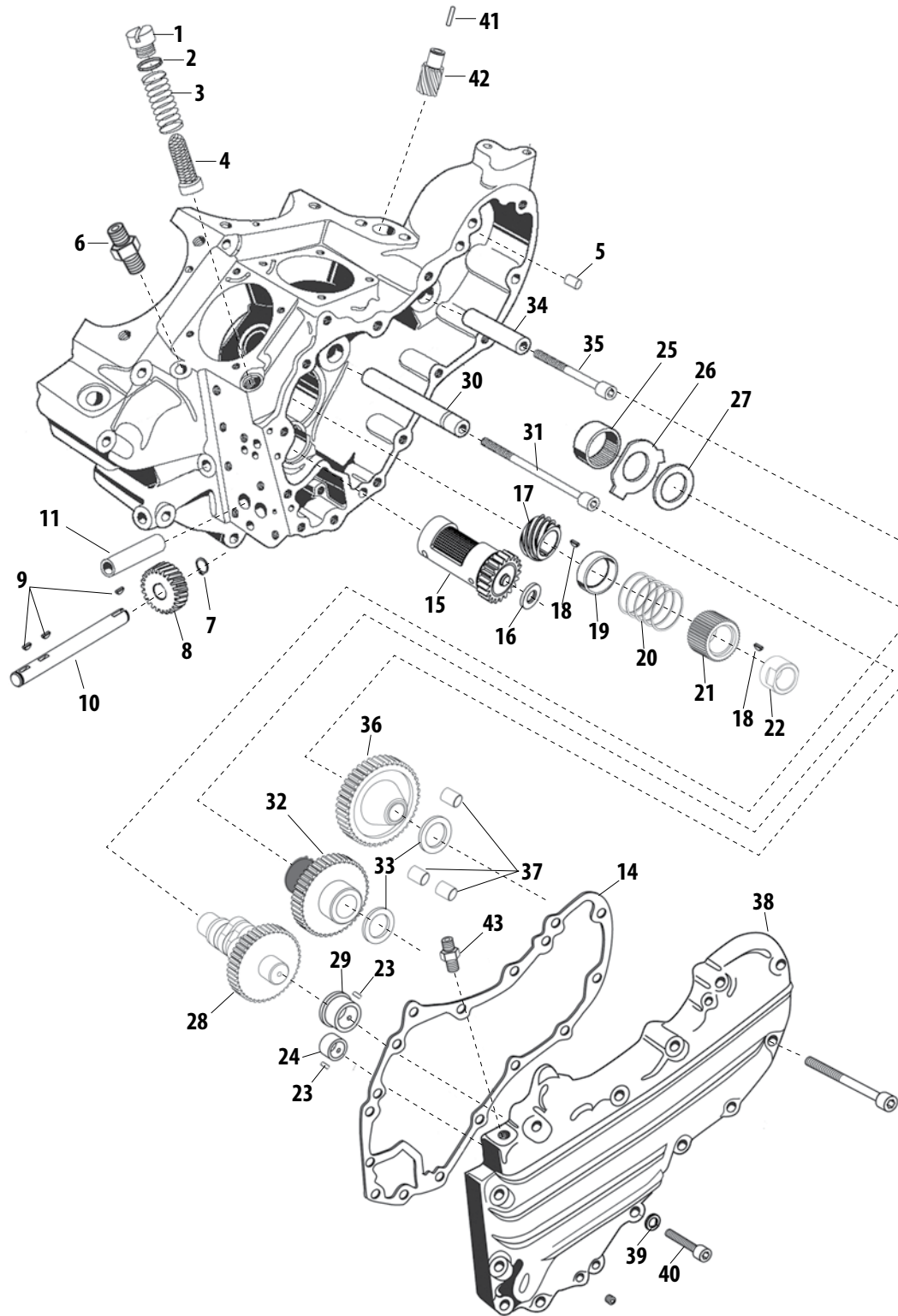
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#	Description	OLD H-D PN	H-D Part No.	VVT Part No.
	Screw, 1936 - E'59	637-36A	25859-36	—
32	Gear, Assembly, Circuit Breaker, 1936-'69 bt		25850-36A	33-4215
33	Spacer, Idler And Circuit Breaker Gear (2), 1941 - 69 - FL, FLH <i>See chart for Shim size options</i>	—	25800-36	—
34	Shaft, Idler Gear, .5556" x 1.8760", AISA 8620H, 1936-'69 bt	637-36B	25791-36	31-2039
35	Screw, SHCS, 1/4-20 x 2", Zinc, ASTM A574-92A, 1936 - '69		25794-36	50-0013
36	Gear, Idler, 1936-'69 bt	619-36	25775-36	33-4216
37	Bushing, Idler Gear (3), 1930 - '69	—	25785-30A	—
38	Gearcover, Ribless Notched & Riveted Early 1936			—
	Gearcover, Ribless Riveted Mid 1936			—
	Gearcover, Ribless Late 1936 - '39	584-36	25216-36	—
	Gearcover, 8 Rib Bossless Early & Mid 1940			—
	Gearcover, 8 Rib Late 1940 - E'48 (Includes Hardware)			—
	Gearcover, 8 Rib 1940 - E'48 (Includes Hardware) <i>See chart for compatible Gearcover Kit</i>	584-48	25216-48	—
	Gearcover, 8 Rib Late 1948 - '53 (Includes Hardware) <i>See chart for compatible Gearcover Kit</i>			—
	Gearcover, 4 Rib 1954 - '62 (Includes Hardware) <i>See chart for compatible Gearcover Kit</i>	25216-54	25216-58	—
	Gearcover, 4 Rib Outside Oiler 1963 - '64	—	25216-63	—
	Gearcover, Flat Side, Outside Oiler 1965 (Includes Hardware) <i>See chart for compatible Gearcover Kit</i>	—	25216-65	—
	Gearcover, Flat Side 1966 - '69 (Includes Hardware) <i>See chart for compatible Gearcover Kit</i>	—	25216-66	—
39	Washer, 1/4", (12), Early 1936 Only	—	—	—
40	Screw, Slotted Countersunk, Oval, 1/4-24 x 1-1/8", Cadmium Plated, 12 Pack	056	2341, 2341HW	106-2013
41	Pin, Roll, Coiled, .120" x .500", Steel <i>See chart for 1/8" diameter option</i>		255	50-8025
42	Gear, Circuit Breaker, 1936-'69 bt <i>See chart for compatible Circuit Breaker Gear</i>	056	32531-36	—
42	Gear, Circuit Breaker, 1936-'69 bt <i>See chart for compatible Circuit Breaker Gear</i>	1547-36	32531-36	—

NOT DIRECT SERVICE PARTS (SOLD AS ASSEMBLIES) *Note: These products are compatible services as assemblies.*

#	Description	VVT Part No.
1	Plug, Screw, Oil Pump/Check Valve/Relief Va, Bright Zinc Plated, Steel <i>each</i>	31-6021
	Plug, Screw, Oil Pump/Check Valve/Relief Va, Bright Zinc Plated, Steel <i>5 Pack</i>	31-7005
2	O-ring, (-013), .437" ID x .565" OD, Viton	50-8008
8	Gear, Pinion, Oil Pump Drive, 24 Tooth, 1973-'99 bt	33-4230
15	Gear, Kit, Breather, 1948-E'77 bt	33-4253
	Gear, Kit, Breather, +.030", 1948-E'77 bt	33-4263
21	Gear, Pinion, Orange, 1954-E'77 bt	33-4121
	Gear, Pinion, Black, 1954-E'77 bt	33-4122
	Gear, Pinion, Red, 1954-E'77 bt	33-4123
	Gear, Pinion, Blue, 1954-E'77 bt	33-4124
	Gear, Pinion, White, 1954-E'77 bt	33-4126
	Gear, Pinion, Brown, 1954-E'77 bt	33-4127
	Gear, Pinion, Yellow, 1954-E'77 bt	33-4128
28	Camshaft, 450S, 1948-'69 bt	33-5062
33	Shim, Circuit Breaker/Idler Gear, .050"	33-4221
	Shim, Circuit Breaker/Idler Gear, .054"	33-4222
	Shim, Circuit Breaker/Idler Gear, .058"	33-4223
	Shim, Circuit Breaker/Idler Gear, .062"	33-4224
	Shim, Circuit Breaker/Idler Gear, .066"	33-4225
38	Gearcover, Kit, Generator, KN-Series, Ribbed, Stock Pinion Shaft, Natural, 1940-'47 bt	106-3198
	Gearcover, Kit, Generator, P-Series, Ribbed, Stock Pinion Shaft, Natural, Late 1948-'53 bt	106-3499
	Gearcover, Kit, Generator, Bushing Style, Stock Style Case, Natural, Cast, 1954-'69 bt	31-0240
	Gearcover, Kit, Generator, Flatside, Stock Style, Natural, 1965 bt	106-1619
	Gearcover, Kit, Generator, Flatside, Stock Style, Natural, 1966-'69 bt	106-1625
41	Pin, Roll, .138" x .500", Steel	50-8030
42	Gear, Circuit Breaker, 1936-'69 bt	33-4217

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CRANKCASE

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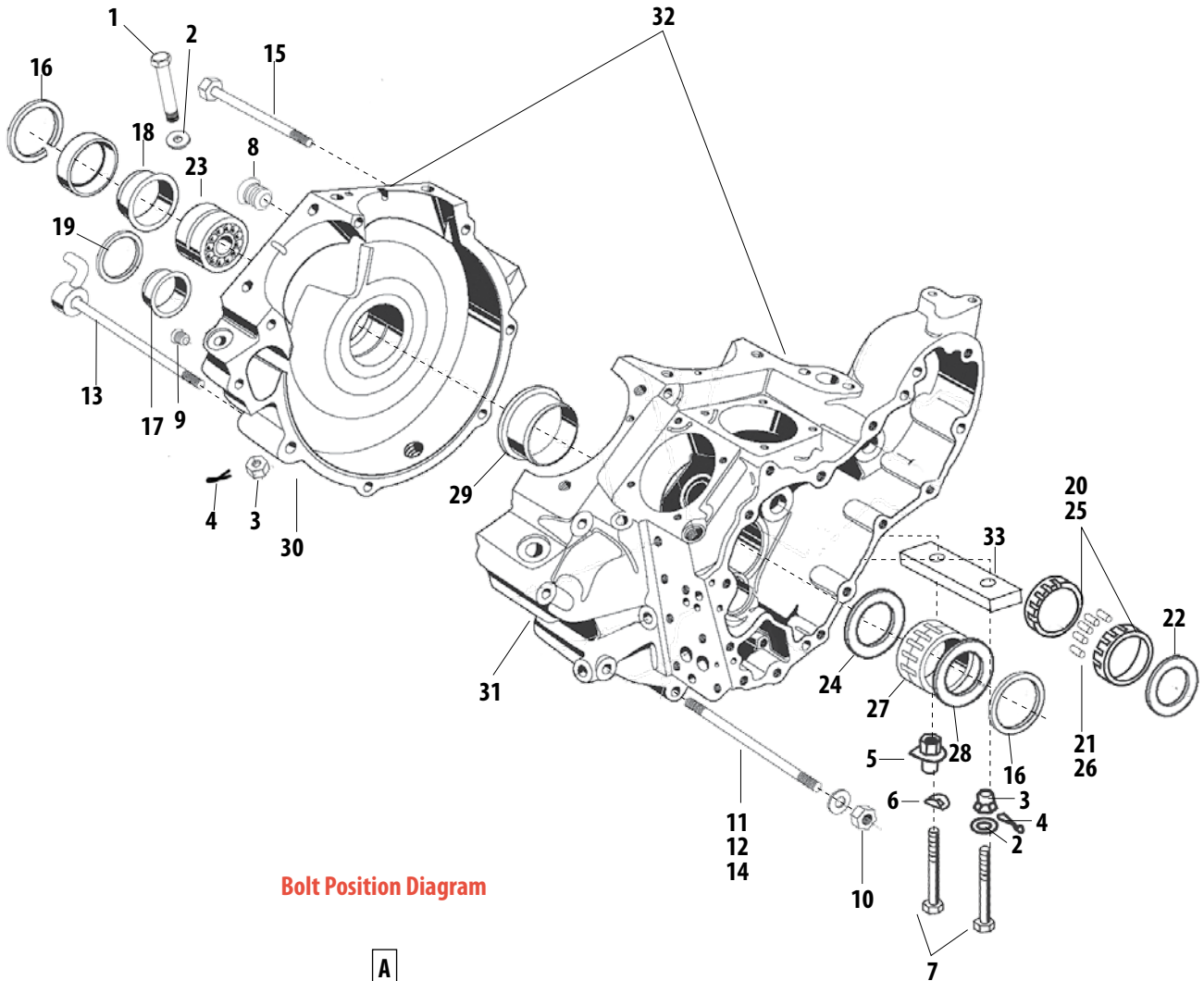
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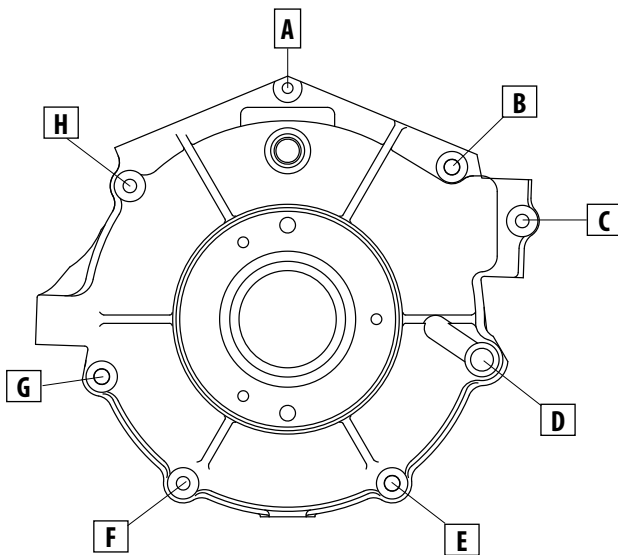
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#	Description	OLD H-D PN	H-D Part No.	VVT Part No.
1	Motor Fastening Bolt, Rear (2) 1936-'49	438-36	24794-36	—
	Bolt, 3/8-24 x 3-1/2 Hex. Hd. (2), 1941-'84	—	4435W	—
2	Washer, Motor Fastening Bolt Washer (3) 1936-'49	0224	6395	—
	Washer, 3/8 x 13/16 x 1/16 (2), 1941-'70	—	6701	—
	Washer, 3/8 x 13/16 x 7/64 (4), 1963-'84	—	6400HB	—
3	Nut, 3/8-24 x 15/32 x 9/16 Hex. (4), 1936-'66	0128	7809	—
4	Cotter Pin, (3), 1936-'49	0291	528	—
	Cotter Pin, 3/32 x 5/8 (4), 1941-'66	—	534	—
5	Motor Bolt Nut (1) 1937-'49	439-36	24797-36	—
6	Motor Bolt Lock Washer (1) 1937-'49	439-36A	24800-36	—
7	Motor Fastening Bolt, Front (2) 1937-'72	437-36	24791-36	—
8	Plug, Timing Hole, 1938-'69	2326-38	704	—
9	Drain Plug, 1937-'70	453-11	700	—
10	Nut, Crankcase Stud Nut (13) Crankcase Guard Rear Bolt Nut, (2) 1937-'49	0117	7752	—
	Nut, 5/16-24 x 1/4 x 1/2 Hex. 1941-Early '81; 1982-'84	0117W	7753	500-0315
11	Crankcase Stud 5/16" x 5-7/8" 1948-'49 (Position A)	447-48	24807-48	—
12	Crankcase Stud 5/16" x 5-7/16" 1948-'49 (Position B & C) <i>See chart for compatible Crankcase Stud</i>	447-36	24806-36	—
13	Crankcase Breather Pipe Assembly 1948-'57 (Position D) <i>See chart for compatible Crankcase Breather Tube</i>	543-48	24912-48	—
	Crankcase Breather Pipe Assembly 1958-'63 (Position D) <i>See chart for compatible Crankcase Breather Tube</i>	—	24914-58	—
	Crankcase Breather Pipe Assembly 1964 (Position D) <i>See chart for compatible Crankcase Breather Tube</i>	24912-48	24912-48A	—
14	Crankcase Stud 5/16" x 6" (3) 1930-'49 (Position E, F G) <i>See chart for compatible Crankcase Stud</i>	447-30	24809-30	—
	Crankcase Stud, 11/32 x 5-27/32 (F Position), 1948-'78	—	24815-40	—
15	Crankcase Bolt 3/8" x 3-3/4" (1) 1930-'49 (Position H)	444-30	4432	—
	Crankcase Bolt, 3/8-16 x 3-1/4 hex. hd. (2), 1930-'78 (Position H)	444-30	4432W	—
16	Crankcase Bearing Spring Ring (2) 1940-'49	423-40	24702-40	—
17	Sprocket Shaft Bearing End (1) 1940-'54	421-40	24776-40	—
	Spacer, Sprocket Shaft - 0.336 Thick, 1955-'64	—	24029-55	—
18	Left Bearing Bushing, Standard 1940-'54	416-40	24621-40	—
	Left Bearing Bushing, +.002 O.S. 1940-'54	416-40B	—	—
	Left Bearing Bushing, +.005 O.S. 1940-'54	416-40C	—	—
	Left Bearing Bushing, (Timken), 1955-'68	—	9029	—
19	Sprocket Shaft Bearing Washer (1) 1940-'54	422-40	24779-40	—
	Shim, Sprocket Shaft Bearing - 0.003, 1955-'68	—	23741-55	—
20	Left Roller Bearing Retainer (2) 1930-'54	417-30	24721-30	—
21	Left Bearing Roller (24) 1/4" x .490 Long Std. 1930-'54	2289-25	9220	—
	Left Bearing Roller (24) 1/4" x .490 Long .0002" O.S. 1930-'54	2289-25D	9221	—
	Left Bearing Roller (24) 1/4" x .490 Long .0004" O.S. 1930-'54	2289-25F	9222	—
	Left Bearing Roller (24) 1/4" x .490 Long .0006" O.S. 1930-'54	2289-25H	9223	—
	Left Bearing Roller (24) 1/4" x .490 Long .0008" O.S. 1930-'54	2289-25KA	9224	—
	Left Bearing Roller (24) 1/4" x .490 Long .0010" O.S. 1930-'54	2289-25MA	9225	—
22	Sprocket Shaft Bearing Spacer (1) 1937-'54	358-36	24781-36	—
23	Sprocket Shaft Bearing Complete, Standard, 1930-'54	419-30	24750-30	—
	Sprocket Shaft Bearing Complete, +.0002 O.S. 1930-'54	419-30D	24751-30	—
	Sprocket Shaft Bearing Complete, +.0004 O.S. 1930-'54	419-30F	24752-30	—
	Sprocket Shaft Bearing Complete, +.0006 O.S. 1930-'54	419-30H	24753-30	—
	Sprocket Shaft Bearing Complete, +.0008 O.S. 1930-'54	419-30KA	24754-30	—
	Sprocket Shaft Bearing Complete, +.0010 O.S. 1930-'54	419-30MA	24755-30	—
24	Washer, Right Bearing (1) 1940-'57	425-40	24695-40	—
	Washer, Right Bearing (2) 1958-'84	—	24692-58	—
25	Retainer, Right Roller Bearing (2) 1937-'57	415-36	24646-36	—
	Retainer, Right Roller Bearing (2) 1958-'84	3967-35	43578-35	—
26	Roller, Right Bearing (12) 1/4" x .600 Long Standard 1937-'57	306-26	9261	—
	Roller, Right Bearing (12) 1/4" x .600 Long .0002" O.S. 1937-'57	306-26D	9262	—
	Roller, Right Bearing (12) 1/4" x .600 Long .0004" O.S. 1937-'57	306-26F	9263	—
	Roller, Right Bearing (12) 1/4" x .600 Long .0006" O.S. 1937-'57	306-26H	9264	—
	Roller, Right Bearing (12) 1/4" x .600 Long .0008" O.S. 1937-'57	306-26KA	9265	—
	Roller, Right Bearing (12) 1/4" x .600 Long .0010" O.S. 1937-'57	306-26MA	9266	—
	Roller, Right Bearing, 0.250 x 0.490 Long Standard (28) 1958-'81	—	9220A	—
	Roller, Right Bearing, +.0001 O.S. (28) 1958-'84	—	9219	—
Roller, Right Bearing, +.0002 O.S. (28) 1958-'84	—	9221A	—	
Roller, Right Bearing, +.0003 O.S. (28) 1958-'84	—	9218	—	

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Bolt Position Diagram



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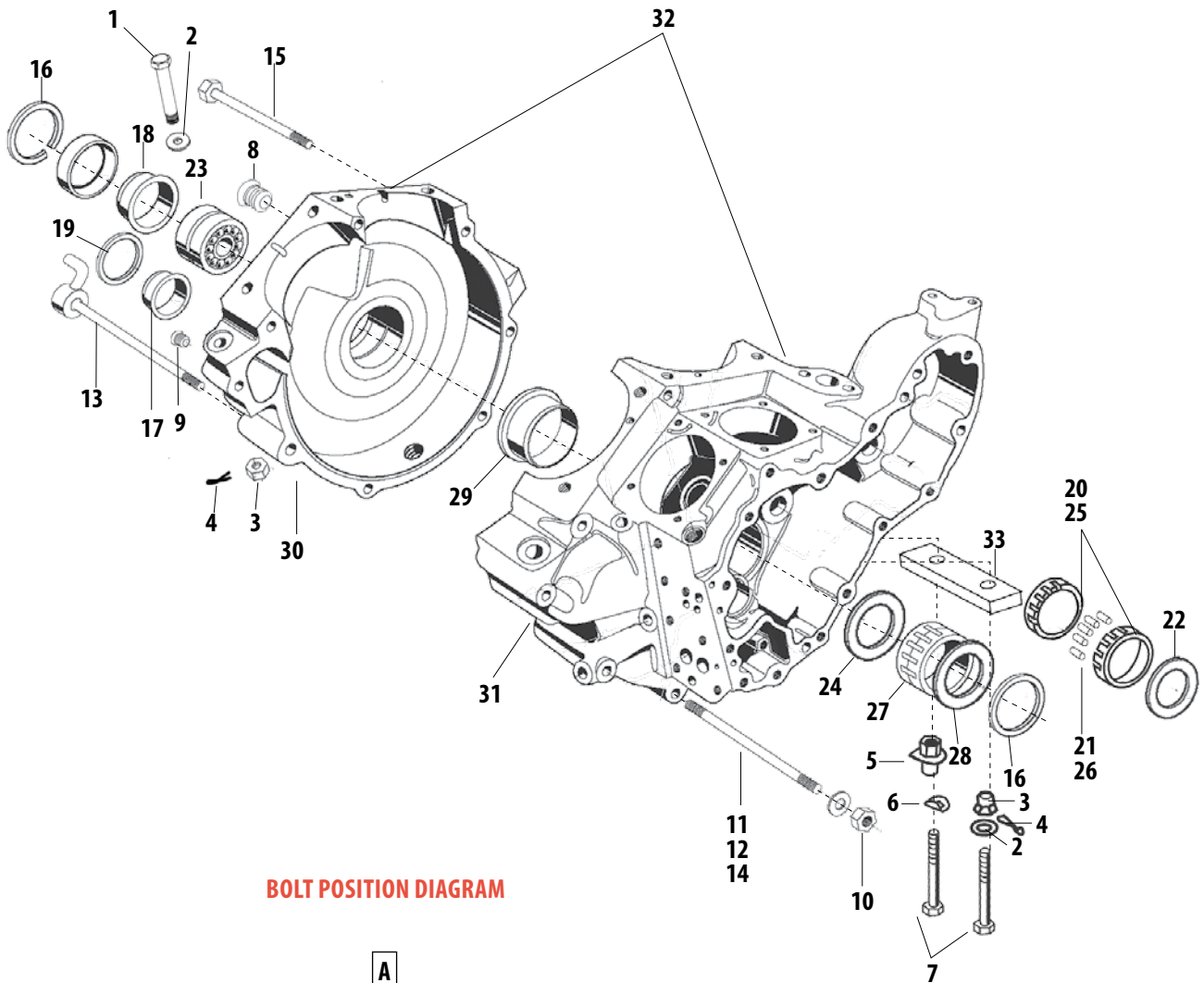
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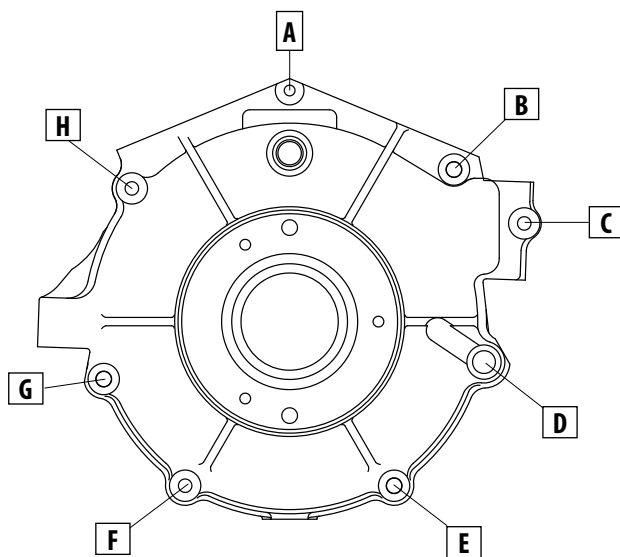
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#	Description	OLD H-D PN	H-D Part No.	VVT Part No.
	Roller, Right Bearing, +.0004 O.S. (28) 1958-'84	—	9222A	—
	Roller, Right Bearing, +.0005 O.S. (28) 1958-'84	—	9217	—
	Roller, Right Bearing, +.0006 O.S. (28) 1958-'84	—	9223A	—
	Roller, Right Bearing, +.0008 O.S. (28) 1958-'84	—	9224A	—
	Roller, Right Bearing, +.0010 O.S. (28) 1958-'84	—	9225A	—
27	Right Bearing, Complete, Standard 1937-'57	414-36	24650-36	—
	Right Bearing, Complete, +.0002 O.S. 1937-'57	414-36D	24651-36	—
	Right Bearing, Complete, +.0004 O.S. 1937-'57	414-36F	24652-36	—
	Right Bearing, Complete, +.0006 O.S. 1937-'57	414-36H	24653-36	—
	Right Bearing, Complete, +.0008 O.S. 1937-'57	414-36KA	24654-36	—
	Right Bearing, Complete, +.0010 O.S. 1937-'57	414-36MA	24655-36	—
	Right Bearing, Standard 1958-'81	—	24650-58	—
	Right Bearing, +.0001 O.S. 1958-'84	—	24650-81	—
	Right Bearing, +.0002 O.S. 1958-'84	—	24651-58	—
	Right Bearing, +.0003 O.S. 1958-'84	—	24649-81	—
	Right Bearing, +.0004 O.S. 1958-'84	—	24652-58	—
	Right Bearing, +.0005 O.S. 1958-'84	—	24645-81	—
	Right Bearing, +.0006 O.S. 1958-'84	—	24653-58	—
	Right Bearing, +.0008 O.S. 1958-'84	—	24654-58	—
	Right Bearing, +.0010 O.S. 1958-'84	—	24655-58	—
28	Washer, Right Bearing (Gear Side) (1) 1940-'57	414-40	24690-40	—
	Washer, Right Bearing (Gear Side) (2) 1958-'84	—	24692-58	—
29	Bushing, Right Crankcase (1) Standard 1940-'57	413-40A	24599-40	—
	Bushing, Right Crankcase (1) +.002 O.S. 1940-'57	413-40AB	24600-40	—
	Bushing, Right Crankcase (1) +.005 O.S. 1940-'57	413-40AC	24601-40	—
	Bushing, Right Crankcase, Standard, 1958-'84 <i>See chart for compatible Race Bearing</i>	—	24599-58B	—
	Bushing, Right Crankcase, +.002 O.S. O.D., 1958-'84	—	24600-58A	—
	Bushing, Right Crankcase, +.005 O.S. O.D., 1958-'84 <i>See chart for compatible Race Bearing</i>	—	24601-58B	—
30	Left Crankcase 1940-1947 61" OHV	406-40A	406-40A	—
	Left Crankcase 1941-1947 OHV	406-41	24540-41	—
	Left Crankcase 1948 and 1949 OHV	406-48	24540-48	—
31	Right Crankcase 1940-1947 61" OHV	410-40A	410-40A	—
	Right Crankcase 1941-1947 OHV	410-41	24569-41	—
	Right Crankcase 1948 and 1949 OHV	410-48	24569-48	—
32	Set of Crankcases 1936-1939 OHV <i>See chart for complete Crankcase Assembly</i>	403-36	403-36	—
	Set of Crankcases 1940 OHV <i>See chart for complete Crankcase Assembly</i>	403-40	403-40	—
	Set of Crankcases 1941-1947 OHV <i>See chart for complete Crankcase Assembly</i>	402-41	24520-41	—
	Set of Crankcases 1948-Early '52 OHV <i>See chart for complete Crankcase Assembly</i>	402-48	24520-48	—
	Set of Crankcases Mid-Late 1952 OHV (added right side boss for oil screen & check valve) <i>See chart for complete Crankcase Assembly</i>	402-48	24520-48	—
	Set of Crankcases 1953-1954 OHV (no deck oil troughs & added right race lock) <i>See chart for complete Crankcase Assembly</i>	—	24520-53	—
	Set of Crankcases 1955-1957 OHV (added timken left and 2" right bearings) <i>See chart for complete Crankcase Assembly</i>	—	24519-55	—
	Set of Crankcases 1958-1962 OHV (No gen strap boss, gen mounting bolt-5/16" & added 2.13" right bearing) <i>See chart for complete Crankcase Assembly</i>	—	24519-58	—
	Set of Crankcases 1963-1964 OHV (External top end oiling, no case deck oiling) <i>See chart for complete Crankcase Assembly</i>	—	24519-63	—
	Set of Crankcases 1965 OHV (Left Aluminum primary, no breather bolt, no right relay plate boss) <i>See chart for complete Crankcase Assembly</i>	—	24519-65	—

NOT DIRECT SERVICE PARTS (SOLD AS ASSEMBLIES) <i>Note: These products are compatible services as assemblies.</i>				
#	Description			VVT Part No.
12	Stud,Crankcase Alignment,5/16-24 UNF x 5.750",Zinc,Steel			31-2003
13	Tube,Crankcase Breather,Powdercoated,Gloss Black,Steel,1936-'69 bt			106-4795
14	Stud,Crankcase Alignment,5/16-24 UNF x 6.050",Zinc,Steel			31-2034
29	Race,Right,Main Bearing,Standard,1993-'99 bt			31-4004
	Race,Right,Main Bearing,+.005",1993-1999 bt			31-4007
32	Crankcase,Assembly,Stock Bore,bt,2B Generator,Natural,1936-'47			31-0006
	Crankcase,Assembly,Stock Bore,bt,2B Generator,Natural,1948-'64			31-0008
	Crankcase,Assembly,Stock Bore,bt,2B Generator,Natural,1965-'69			31-0010



BOLT POSITION DIAGRAM



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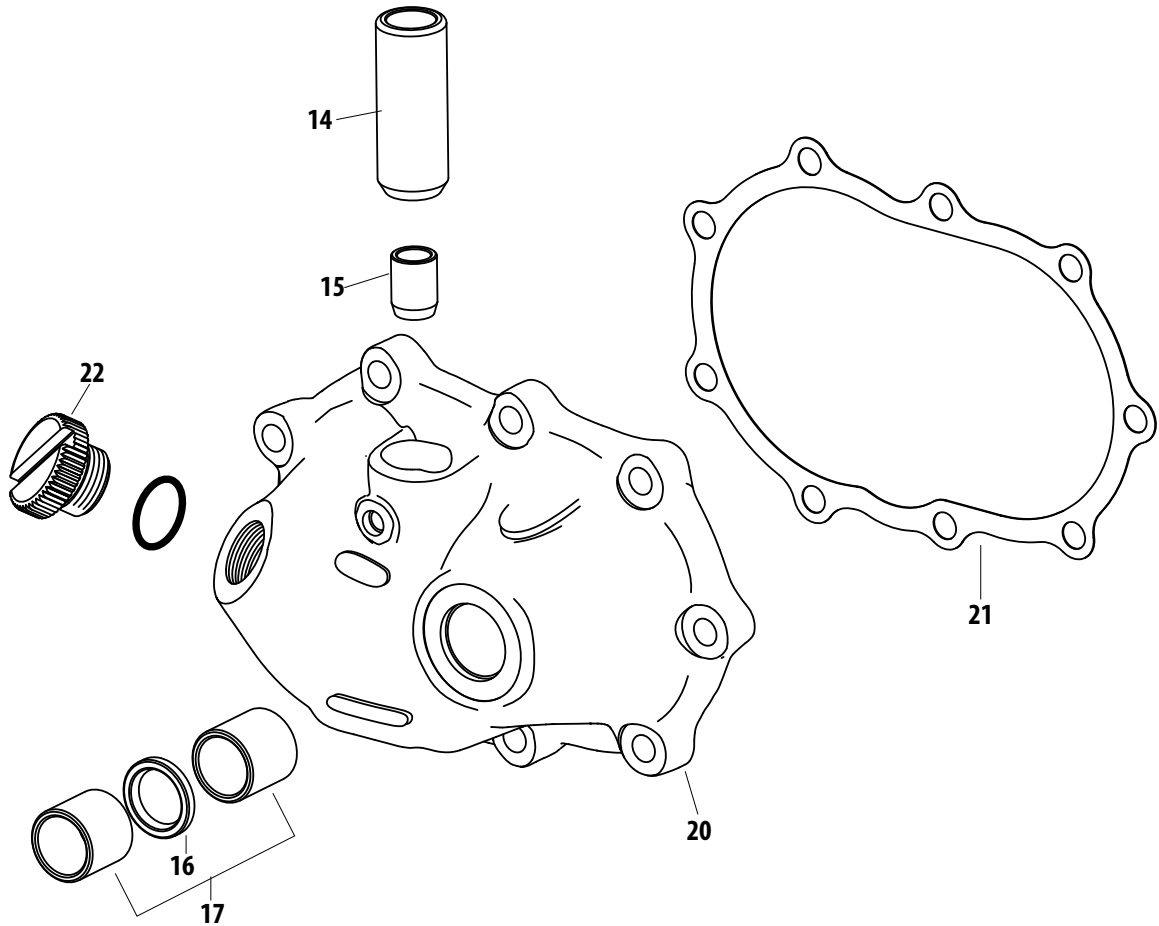
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#	Description	OLD H-D PN	H-D Part No.	VVT Part No.
-	Bolt, 3/8-24 x 1-1/8 Hex. Hd, 1940-'69 (Not Shown)	2100-16	4336W	—
-	Lockwasher, 3/8, 1940-'69 (Not Shown)	—	7038	—
-	Lockwasher, Late 1930-'49 (Not Shown)	0261	7045	—
-	Bushing, Pedal Pin, Late 1930-'69 (Not Shown)	2101-31	33213-31	—
-	Washer, Pedal Pin, Late 1930-'69 (Not Shown)	2102-30	33215-30	—
-	Starter Pedal, Complete (Black Rubber), 1940-'67 (Not Shown)	—	33175-16A	—
-	Starter Pedal, Complete (Black Rubber), Late 1929-'49 (Not Shown)	2091-16A	33175-16	—
-	Starter Pedal Plastic Complete (Red), 1929-'49 (Not Shown)	2091-16C	33176-16	—
-	Starter Pedal Plastic Complete (Yellow), 1929-'49 (Not Shown)	2091-16D	33177-16	—
-	Pedal Cover, Starter (Black), 1963-'67 (Not Shown)	—	33182-63A	—
-	Pedal Rubber (2), Starter (Black), 1917-'49 (Not Shown)	2092-17	33182-17	—
-	Pedal Block Plastic (1), Starter (Red), 1945-'49 (Not Shown)	2092-45C	33183-45	—
-	Pedal Block Plastic (1), Starter (Yellow), 1945-'49 (Not Shown)	2092-45D	33184-45	—
-	Axle Plate, Starter Crank Pedal, 1963-'69 (Not Shown)	—	33202-63	—
-	Axle, Starter Crank Pedal, 1929-'49 (Rubber Pedal) (Not Shown)	2095-16	33195-45	—
-	Axle, Starter Crank Pedal, Late 1945-'49 (Plastic Pedal) (Not Shown)	2095-45	33192-16	—
-	Starter Crank, Only (Black), 1954-'69 (Not Shown)	—	33068-54	—
-	Starter Crank, 1937-'53 (Not Shown)	2076-36	33063-36	—
-	Bolt, 3/8-24 x 1-3/4 Hex. Hd, 1940-'69 (Not Shown)	—	4411	—
-	Starter Crank Shaft, 1954-'69 (Not Shown)	—	33096-54B	—
-	Stud, Starter Spring W/Spring Cover Screw Hole, 1937-'69 (Not Shown)	—	33152-59	—
-	Stud, Starter Spring, 1937-'49 (Not Shown)	2086-36	33090-36	—
-	Spring, Starter Crank, 1940-'69 (Not Shown)	2084-36	33085-36	—
-	Washer, Starter Crank, 1940-'69 (Not Shown)	2077-36	33080-36	—
14	Upper Bushing, Starter Cover, 1940-'69	—	33291-36	106-6474
15	Lower Bushing, Starter Cover, 1940-'69	—	33290-38	106-6473
16	O-Ring, 1941-'69	—	11101	—
-	Starter Crank Oil Seal, Late 1937-'49	2078-37	33076-37	—
17	Bushings, Pair, Starter Cover, 1941-'69	2127-37A	33288-37	—
-	Nut, 5/16-24 x 1/4 x 1/2 Hex. (9), 1940-'69 (Not Shown)	0117W	7753	500-0315
-	Washer, 11/32 x 11/16 x 1/16 (9), 1937-'69 (Not Shown)	0214	6320, 70907-07, 6016, 6702	50-7034
20	Starter Cover, Transmission, 1940-'47 (G6 Date Code)	2126-36	33277-36A, 33277-36	106-6479-G6
-	Starter Cover, Transmission, 1948-'50 (J7 Date Code)	2126-36	33277-36A, 33277-36	106-6479-J7
-	Starter Cover, Transmission, 1937-'86 (Universal with No Date Code)	2126-36	33277-36A, 33277-36	106-6479-00
21	Gasket, Starter Cover, 1940-'69	2132-36	33295-36	560-0012
22	Filler Plug, Starter Cover, 1940-'69	—	37072-79	—
-	Filler Plug Hex, Starter Cover, 1937-'49	2326-36	704	—
-	Nut, 5/8-18 x 1/4 x 9/16 Hex, 1937-'69 (Not Shown)	2274-36	7977	—
-	Key, Starter Clutch (2), 1916-'69 (Not Shown)	2147-16	33393-50	—
-	Lockwasher, Starter Clutch, 1939-'69 (Not Shown)	2149-39	33396-39	—
-	Starter Clutch, 1939-'69 (Not Shown)	2146-39	33381-39	—
-	Pin, Starter Crank Gear, 1939-'69 (Not Shown)	2143-36A	33355-36	—
-	Cam Plate, Starter Crank Gear, 1939-'69 (Not Shown)	2143-36B	33358-36	—
-	Gear, Starter Crank - 24 T, 1939-'69 (Not Shown)	2144-36	33350-36	—
-	Rivet, 3/16 x 5/32 (3), 1939-'69 (Not Shown)	0312	8241	—
31	Starter Gear, Mainshaft - 16 T., 1939-'49 (Not Shown)	2155-36	33430-36	—
-	Starter Gear, Mainshaft - 16 T., 1967-'69 (Not Shown)	—	33430-50	—
-	Starter Gear, Mainshaft - 14 T., Late 59-'66 (Not Shown)	—	33430-59	—
-	Bushing, Mainshaft Starter Gear, 1931-Early '50 (Not Shown)	2155-31A	33436-31	—
-	Bushing, Mainshaft Starter Gear, Late 50-'69 (Not Shown)	—	33438-50	—
-	Spring, Starter Clutch, 1940-'69 (Not Shown)	2152-36	33391-36	—
-	Lockwasher, Starter Crank (2), 1916-'69 (Not Shown)	2080-16	33082-16	—
-	Nut, 1/2-20 x 7/16 x 7/8 Hex, 1937-'69 (Not Shown)	2079-36	7911	—
-	Stud, Starter Cover (9), 1937-'69 (Not Shown)	2134-36	33298-65	—
-	Screw, No. 10-24 x 7/16 Pozidriv Hd, 1940-'69 (Not Shown)	—	2664	—
-	Lockwasher, No. 10 External Tooth, 1940-'69 (Not Shown)	—	7220	—
-	Spring Cover Kit, Complete, 1940-'69 (Not Shown)	—	33150-59	—

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#	Description	OLD H-D PN	H-D Part No.	VVT Part No.
1	Nut, 1/4-24 x 5/32 x 5/16 Hex., 1950 - '79	—	7691W	—
2	Lockwasher, 1/4, 1936 - '84	0256, 362	7035, 7036	50-7019
3	Oil Pump Mounting Stud Nut, 1941 - '49	591-41A	24831-41	—
4	Fitting, Oil Line (Short), 1948 - '64	3577-15	63533-15	—
5	Oil Pump Mounting Bolt, 1941 - '49	692-41	3834	—
6	Cover, Oil Pump, 1936 - '40	682-36	—	—
	Cover, Oil Pump, 1941 - '48 Non Chain Oiler	682-41	26236-41	—
	Cover, Oil Pump, 1941 - '48 Chain Oiler	682-41A	—	—
7	Oil Pump Governor Rotor, 1941 - '48	687-41C	26300-41	—
8	Oil Pump Cover Gasket, 1941 - '49	685-41	26257-41	—
9	Oil Pump Cover Plate, 1941 - '47	683-41	26250-41	—
	Oil Pump Cover Plate, 1948	683-49A	—	—
	Oil Pump Cover Plate, 1949	683-49	26251-49	—
10	Gasket, Oil Pump Cover, 1941 - '49	684-41	26255-41	—
11	Retaining Ring, Drive Shaft, .382" x .021", 1936 - '84 <i>each</i>	695-36	695-36, 26348-36	50-8058
	Retaining Ring, Drive Shaft, .382" x .021", 1936 - '84 <i>10 Pack</i>	—	—	50-8106
12	Drive Gear, 1936 - '84 ('36-'67 Scavenge, '68-'84 Feed)	—	26328-74, 26320-36	31-6015
	Scavenger Pump Drive Gear, 1936 - '49 (Keyslot Only)	690-36	26320-36	31-6015
	Scavenger Pump Drive Gear, 1941 (Groove & Keyslot)	690-41	—	31-6015
13	Scavenger Pump Idler Gear, 1936 - '40 (23/64" Id) (Inner Notch & No Rotor Drive Slot)	691-36	26325-36	—
	Scavenger Pump Idler Gear, 1942 - '48 (23/64" Id)(Rotor Drive Slot & No Inner Notch)	691-42	—	—
	Scavenger Pump Idler Gear, 1941 - Mid '62 (23/64" Id) (Notch & Rotor Slot-Retrofit - '36)	691-49	26325-49	—
	Idler Gear, Late 1962 - '84 (7/16" Id) ('62-'67 Scavenge, '68-'99 Feed)	—	26326-62A	31-6016
14	Oil Pressure Switch Only, 1941 - '84	—	26552-72	550-0395
	Oil Pressure Switch, 1936 - '49	480-39	26551-39	—
15	Nipple Packing Washer, 1946 - '49	2461-36A	6375	—
16	Plug, Screw, Oil Pump/Check Valve/Relief Valve, Bright Zinc Plated, Steel, 1937 - '84 <i>each</i>	701-36	26263-80, 26362-36	31-6021
	Plug, Screw, Oil Pump/Check Valve/Relief Valve, Bright Zinc Plated, Steel 1937 - '84 <i>5 Pack</i>	—	—	31-7005
17	Spring, Check Valve, .020" Wire, .265" x .319" x 1.940", Music Wire, 1936-'99 bt 1936 - '84 <i>each</i>	703-36	26363-36, 26363-56,	31-6022
	Spring, Check Valve, .020" Wire, .265" x .319" x 1.940", Music Wire, 1936-'99 bt 1936 - '84 <i>10 Pack</i>	—	26262-80	31-6092
18	Ball, Check Valve, .375", Stainless Steel 1936 - '84	283	8866, 8873	50-8091
19	Body, Oil Pump, 1936 - '40	678-36	—	—
	Body, Oil Pump, 1941 - '48 (w/o Rear Chain Oiler)	678-41	—	—
	Body, Oil Pump, 1941 - '48 (With Rear Chain Oiler)	678-41A	26217-41	—
	Body, Oil Pump, 1948 - '49	678-48	—	—
20	Drive Gear, 1936 - '47 (.990 OD x 7/16" ID x .250 Wide)	688-36	26315-36	—
	Drive Gear, 1948 - '67 (.990 OD x 7/16" ID x .380 Wide)	688-48	26315-48	—
21	Idler Gear, 1936 - '47 (.990 OD x 23/64" ID x .250 Wide) (w/Crankcase Stub)	689-36	26317-36	—
	Idler Gear, 1948 - '61 (.990 OD x 23/64" ID x .380 Wide) (w/Crankcase Stub)	689-48	26317-48	—
22	Key, Drive Shaft, 1936 - '49, 1941 - '84 <i>each</i>	634-15	26347-15	50-8220-S
	Key, Drive Shaft, 1936 - '49, 1941 - '84 <i>10 Pack</i>	—	—	50-8229
23	Key, Oil Pump Gear, 1936 - '67	693-36	26340-36	—
24	Drive Shaft, 1936 - '67	638-36	26346-36	—
25	Gasket, Oil Pump Body, 1936 - '40	589-36	26244-36	—
	Gasket, Oil Pump Body, 1941 - '67	589-41	26245-41	—
26	Mounting Stud, 2-1/4, 1941 - '67	591-36A	24820-36	—
27	Mounting Stud, 1-11/16, 1941 - '67	591-36	24819-36	—
28	Screw, Bypass Cover, 1936 - Mid '52 & Late '54 - '67	707-36	26367-36	—
29	Bypass Valve Adjusting Screw, 1937 - '49	711-36	26368-36	—
30	Spring, Relief Valve, .040" Wire, .242" x .324" x 2.32", ASTM A-229, 1936-'99 bt 1936 - '84	713-36, 713-42	26207-83	31-6018
31	Adjusting Screw Washer .002", 1933 - '49	674-32	6170	—
32	Washer, 13/64 x 3/8 x 1/32 (Brass) 1933 - '69	0202	6150, 6156	50-7008
33	Adjusting Screw, Chain Oiler (Hex. Hd.) 1941 - '64; 1968 - Early '72	—	63610-70, 63614-72, 26383-32	31-6026
	Adjusting Screw, Chain Oiler (Slot Hd.) 1933 - Early '49	672-32	63610-70, 63614-72, 26383-32	31-6026
34	Idler Shaft, 1936 - '40	697-36	—	—
	Idler Shaft, 1941 - Mid '62	697-41	26328-41	—

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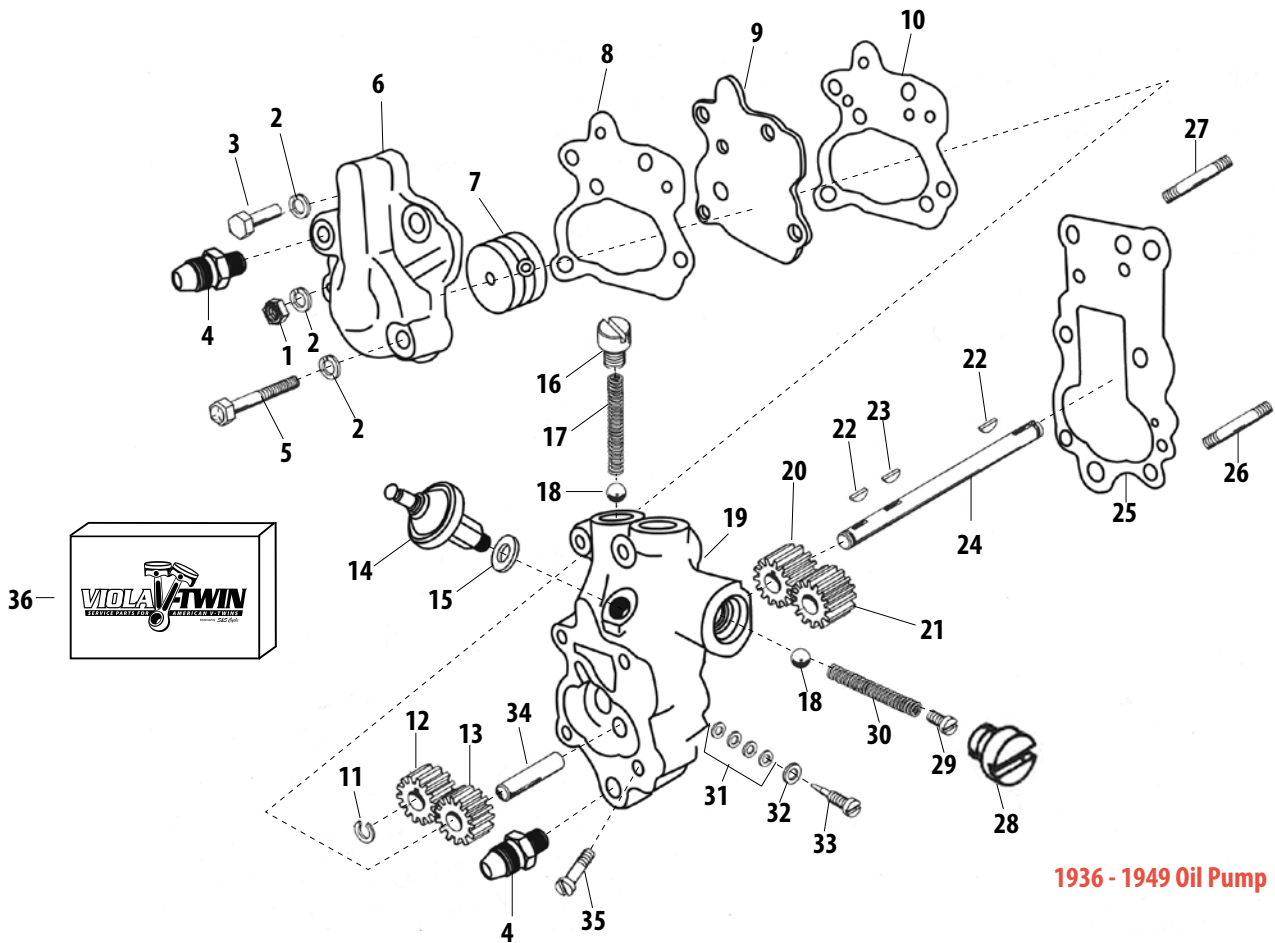
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1936 - 1949 Oil Pump

#	Description	OLD H-D PN	H-D Part No.	VVT Part No.
35	Oil Pump Mounting Screw, 1941 - '49	692-41A	1397	—
36	Hardware Kit, Oil Pump Cover, Billet, 1936-'91 bt	—	—	31-6283
	Hardware Kit, Chain Oiler, 1936-'91 bt	—	—	31-6291
	Hardware Kit, Oil Pump Mounting, Billet, 1936-Up bt	—	—	31-6288
37	Oil Pump Assembly, 1936 - '40 See chart complete Billet Oil Pump Kit	587-36	25275-36	—
	Oil Pump Assembly, 1941 - '48 (w/o Rear Chain Oiler) (Last Version of the Functional Rotor Cover) See chart complete Billet Oil Pump Kit	587-41	26201-41	—
	Oil Pump Assembly, 1941 - '48 (With Rear Chain Oiler) (Last Version of the Functional Rotor Cover) See chart complete Billet Oil Pump Kit	587-41A	26201-41A	—
	Oil Pump Assembly, 1948 - '49 (Rotor Style Cover But No Rotor) See chart complete Billet Oil Pump Kit	587-48	26201-48	—

NOT DIRECT SERVICE PARTS (SOLD AS ASSEMBLIES) *Note: These products are compatible services as assemblies.*

#	Description	VVT Part No.
37	Oil Pump, Kit, Universal, Silver Powdercoat, Billet, 1936-'69 bt	106-4688
	Oil Pump, Kit, Universal, Polished, Billet, 1936-'69 bt	31-6200
	Oil Pump, Kit, Universal, Polished, Billet, 1970-'91 bt ('73-E'81 req case mod - drill jig 53-0013)	31-6203

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LUBRICANTS

#	Description	VWT Part No.
	S&S 20w50 Premium Synthetic Engine Oil	310-0285
	S&S 20w50 Heavy Duty Engine Oil	310-0287
	S&S Petroleum 25w60 Engine Oil	310-0289
	S&S 75w140 Premium Synthetic Transmission Oil	310-0292
	S&S 85w140 Heavy Duty Transmission Oil	310-0291
	S&S 85w Extreme Duty Primary Oil	310-0290

OIL FILTERS

#	Description	H-D Part No.	VWT Part No.
	1958-'82 BT models with in tank oil filter	63799-65A, 63840-53, 63826-53	310-0284

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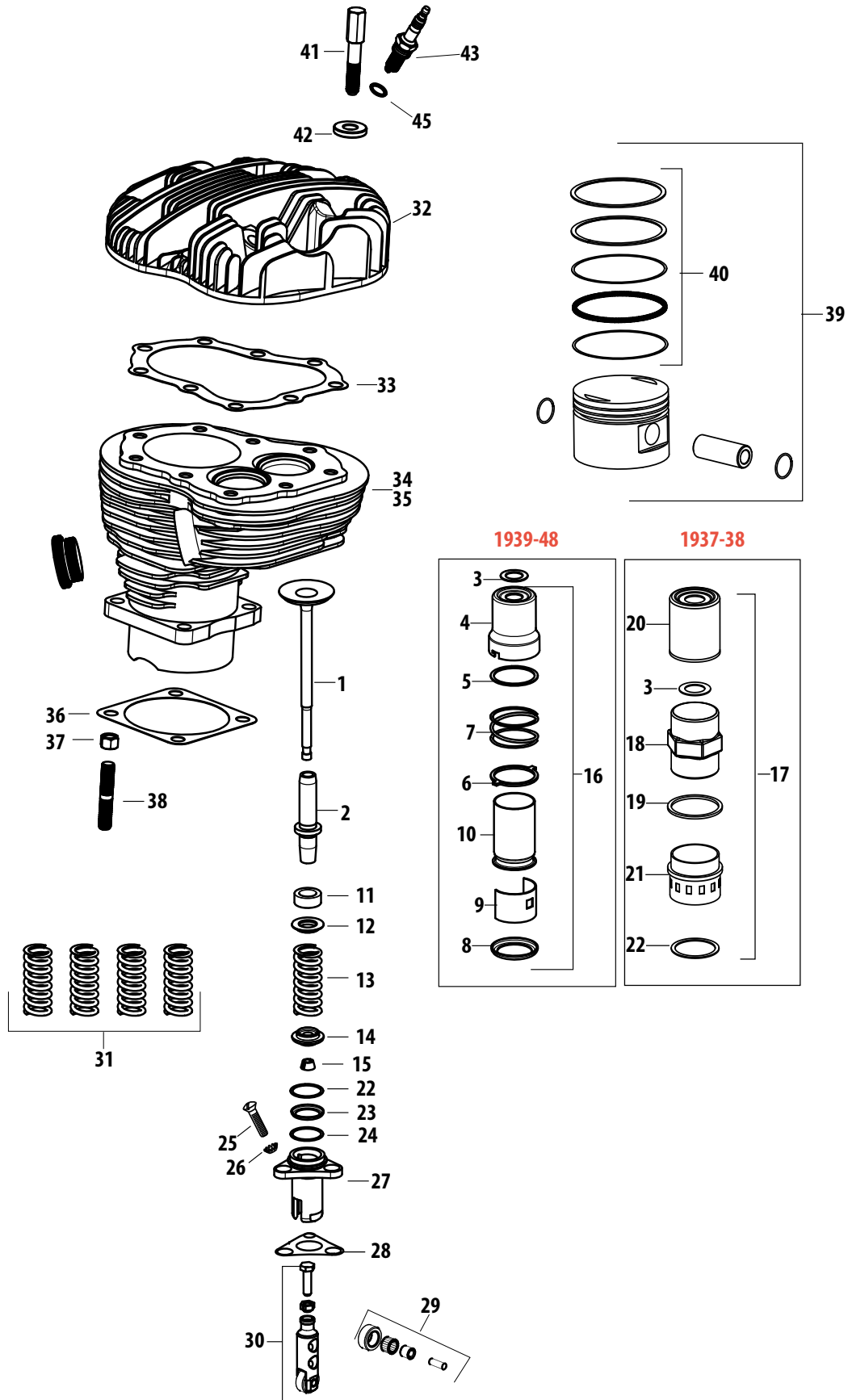
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#	Description	Old H-D PN	H-D PN	VVT PN
1	Valve, Intake, Forged, 74" <>&<> 80", FH-Series	163-37	18072-37	900-0210
	Valve, Exhaust, Forged, 74" <>&<> 80", FH-Series	165-37	18082-37	900-0211
2	Valve Guide, Honed, 74" <>&<> 80", Cast Iron, 1930-'40 bt	166-30	18170-30	900-0209
	Valve Guide +.001 Os 1930 To 1948 Side Valves	166-30A	18171-30	—
	Valve Guide +.002 Os 1930 To 1948 Side Valves	166-30B	18172-30	—
3	Valve Guide Oil Seal 1938 To 1948 Side Valves	167-38	18198-38	—
4	Valve Spring Cover, Upper, 1939-'48	173-39	18238-39	—
5	Upper Cover Cork Washer 1939 To 1948 Side Valves	173-39A	18245-39	—
6	Upper Cover Cork Washer Retainer 1939 To 1948 Side Valves	173-39B	18246-39	—
7	Valve Spring Cover Spring, 1939-'48	173-39C	18247-39	—
8	Valve Spring Cover Spring Lower Washer, 1939-'48	173-39D	18248-39	—
9	Lower Valve Spring Cover, (Outside), 1939-'48	175-39	18254-39	—
10	Lower Valve Spring Cover, (Inside), 1939-'48	174-39	18256-39	—
11	Upper Spring Collar Spacer 1937 To 1948 Side Valves <i>See chart for complete Valve Spring Kit</i>	171-37	18223-37	—
12	Upper Spring Collar 1930 To 1948 Side Valves <i>See chart for complete Valve Spring Kit</i>	170-30A	18221-30	—
13	Valve Spring 1930 To 1948 Side Valves <i>See chart for complete Valve Spring Kit</i>	168-30B	18200-30	—
14	Lower Spring Collar 1930 To 1948 Side Valves <i>See chart for complete Valve Spring Kit</i>	171-30	18222-30	—
15	Valve Key 1937 To 1948 Side Valves <i>See chart for complete Valve Spring Kit</i>	172-30	18228-30	—
16	Valve Spring Cover Kit (4 Used) 1939 To 1948 Side Valves (includes: #4, 5, 6, 7, 8, 9, 10)	174-39A	18236-39	—
17	Valve Spring Cover Kit (4 Used) 1937 To 1938 Side Valves (includes: 3, 18, 19, 20, 21, 22)	—	18236-37	—
18	Lower Valve Spring Cover 1930-38	—	174-30	—
19	Valve Cover Packing 1930-38	—	18261-30	—
20	Top Spring Cover Aprox. 1-5/8" 1937-38	—	173-37	—
21	Lower Valve Spring Cover 1937-38	—	174-30B	—
22	Lower Cork Cover Washer, 1937-'38	175-39A	18257-39	—
23	Cork Washer Retainer	175-39B	18258-39	—
24	Lower Cover Asbestos Gasket	175-39C	18259-39	—
25	Screw, Slotted, Oval, Machined, 1/4-24 x 5/8", Cadmium Plated, Steel	057	2329	106-3847
26	Washer, Countersunk, External Tooth, 1/4" x 1/2", Cadmium Plated, Steel	0365	7231	106-3848
27	Tappet Guide - Rear Cylinder 1939-48	—	18612-39	—
	Tappet Guide - Front Cylinder 1939-48	—	18611-39	—
	Tappet Guide - Front Cylinder, Screw on Style 1930-38	—	18606-30	—
	Tappet Guide - Rear Cylinder, Screw on Style 1930-38	—	18605-30	—
28	Gasket - Tappet Guide 1930-48	—	18631-30	—
29	Tappet Roller Kit w/Pin 1929-Up (4 pack)	—	18534-29A	330-0377
30	Tappet, Assembly, Standard, 1929-'73 SV bt <i>each</i>	200-29	18490-29	106-5872
	Tappet, Set, Standard, 1929-'73 SV bt 2 Pack			106-5875
	Tappet, Assembly, +.005, 1929-'73 SV bt <i>each</i>			106-5876
	Tappet, Set, +.005, 1929-'73 SV bt 2 Pack			106-5879
31	Spring, Kit, Valve, Single Valves, 1941-'51 WR, 1952-'53 KR, RLDR, WLDR, WR	—	80168-32	90-2345
32	Head, Set, Natural, Aluminum, 1937-'48 UL, FH-Series	9-40A, 10-40A	16661-40, 16671-36	106-2475
33	Cylinder Head Gasket, Blue Teflon 1936 To 1948—Side Valves	—	16768-36	—
	Gasket, Head, FH-Series, Copper, 1937-'48 UL <i>each</i>	11-36A	16769-36	106-2680
	Gasket, Set, Head, FH-Series, Copper, 1937-'48 UL 2 Pack			106-2669
34	Cylinder, Kit, 3-7/16" Bore, 13 Fin, 6.140", Hi-Temp Black, 1937-'48 SV bt, FH-Series	—	16472-37	—
	Front Cylinder with Piston Assembly, 1937 To 1941, 13 Fins—80" Side Valves	4-37C	16481-37	—
	Rear Cylinder with Piston Assembly, 1937 To 1941, 13 Fins—80" Side Valves	5-37C	16482-37	—

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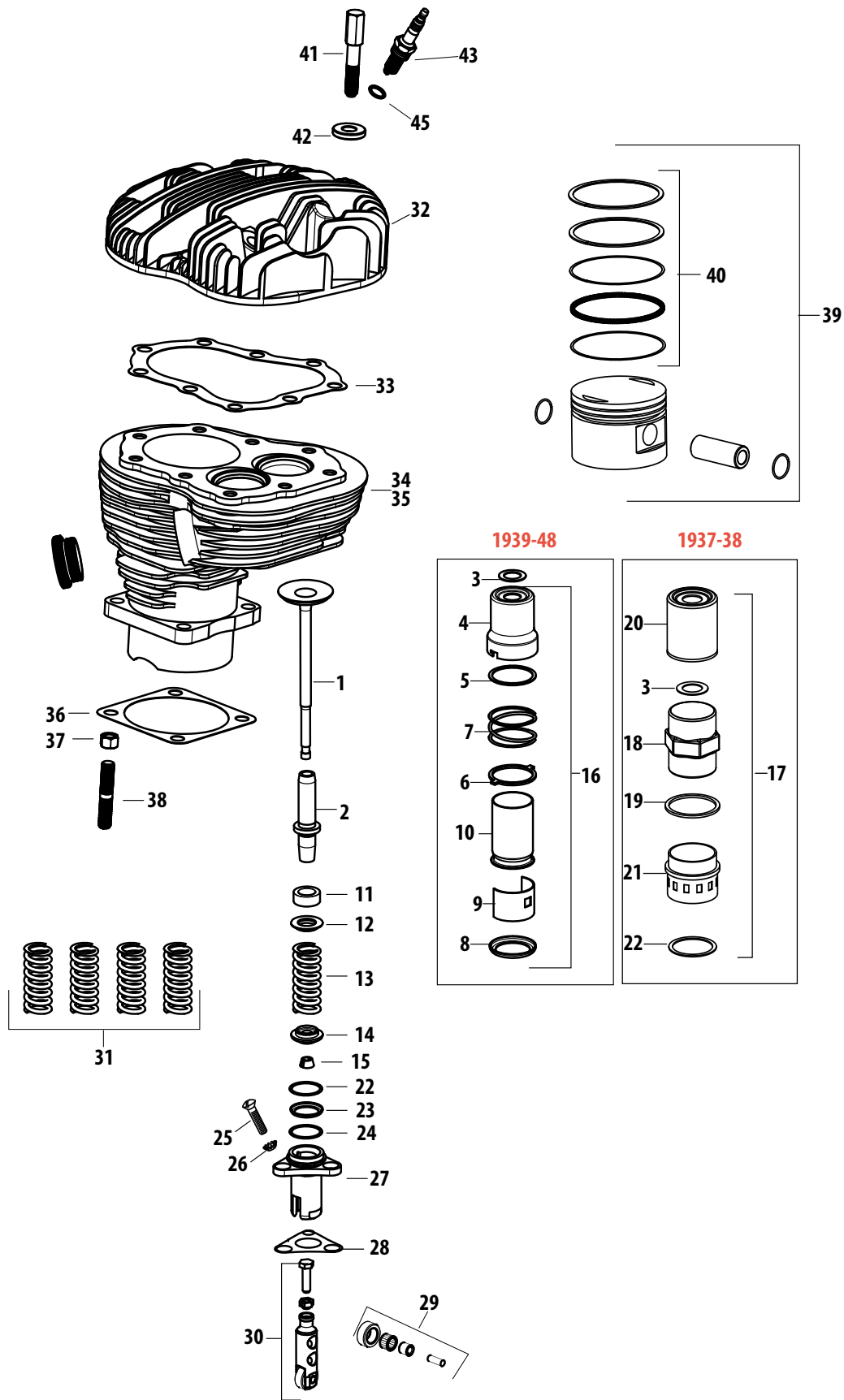
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#	Description	Old H-D PN	H-D PN	VVT PN
35	Cylinder, Set, 3-7/16" Bore, 13 Fin, 6.140", Hi-Temp Black, 1937-'41 SV bt, FH-Series	—	—	
36	Gasket, Base, KN-Series, 3-5/16", CMP-4200	46-21	16774-21	106-2692
37	Nut, Cylinder Base, HH, 7/16-20 UNF-2B, Cadmium Plated, Stock 1930-'78 bt See chart optional Stainless Steel version	0134	16602-30	—
38	Stud, Cylinder Base, 7/16-14 UNC, 7/16-20 UNF x 2.0, Zinc, Steel, 1936-'84 bt, 8 Pack	29-30	16831-30, 16837-30	31-2328
39	Piston, Set, 3-7/16", Standard, 80", 1937-'41 UL svbt	256-30B	22216-30	920-0013
	Piston, Set, 3-7/16", +.010", 80", 1937-'41 UL svbt	256-30BD	22218-30	920-0036
	Piston, Set, 3-7/16", +.020", 80", 1937-'41 UL svbt	256-30BE	22219-30	920-0037
	Piston, Set, 3-7/16", +.030", 80", 1937-'41 UL svbt	256-30BF	22220-30	920-0038
	Piston, Set, 3-7/16", +.040", 80", 1937-'41 UL svbt	256-30BG	22221-30	920-0039
	Piston, Set, 3-7/16", +.060", 80", 1937-'41 UL svbt	256-30BJ	22223-30	920-0040
40	Ring, Set, Piston, 3-7/16", Standard, 1937-'41 UL SVBT	262-37	22355-37	940-0006
	Ring, Set, Piston, 3-7/16", +.010", 1937-'41 UL SVBT	262-37D	22357-37	940-0007
	Ring, Set, Piston, 3-7/16", +.020", 1937-'41 UL SVBT	262-37E	22358-37	940-0008
	Ring, Set, Piston, 3-7/16", +.030", 1937-'41 UL SVBT	262-37F	22359-37	940-0009
	Ring, Set, Piston, 3-7/16", +.040", 1937-'41 UL SVBT	262-37G	22360-37	940-0010
	Ring, Set, Piston, 3-7/16", +.060", 1937-'41 UL SVBT	262-37JA	22362-37	940-0011
41	Cylinder Head Bolt (7/16"-16 X 1-7/8"), Later 1930 to 1948—Side Valves	14-30B	4674	—
42	Head Bolt Washer, 29/64" x 1-3/32" x 13/64", 1940 to 1948—Side Valves, with Aluminum Cylinder Heads	15-39	16822-39	—
43	Spark Plug, 1927 to 1947, 1948—Side Valves	37-09B	32304-09	—
	Spark Plug, 1927 to 1947, 1948—Side Valves	37-09C	32302-09	—
	Spark Plug, 1927 to 1947, 1948—Side Valves	37-09D	32300-09	—
	Spark Plug, 1927 to 1947, 1948—Side Valves	37-09E	32306-09	—
—	Terminal Nut for Spark Plug, 1927 to 1947, 1948—Side Valves (Not Shown)	39-26	32370-26	—
45	Spark Plug Gasket, 1927 to 1947, 1948—Side Valves	40-08	32342-08	—

NOT DIRECT SERVICE PARTS (SOLD AS ASSEMBLIES) *Note: These products are compatible services as assemblies.*

#	Description	VVT PN.
11, 12, 13, 14, 15	Spring, Kit, 74" 80", 1937-'41 UL SVBT	900-0208
37	Nut, Cylinder Base, HH, 7/16-20 UNF-2B x .910", Polished, Stainless Steel, 416 <i>each</i>	93-3063-S
	Nut, Cylinder Base, HH, 7/16-20 UNF-2B x .910", Polished, Stainless Steel, 416 <i>8 pack</i>	93-3063

Harley-Davidson® Flathead Models



Parts for
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KICKER

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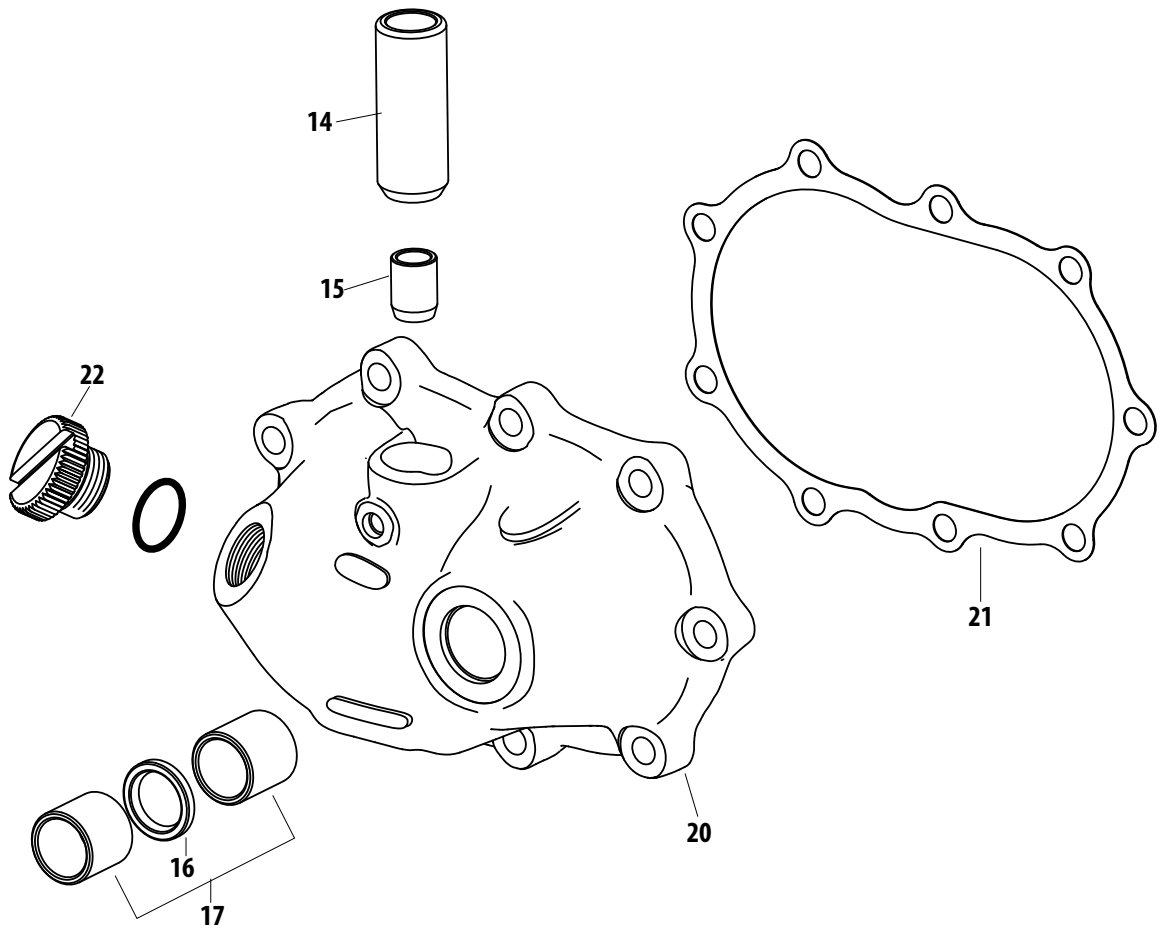
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#	Description	OLD H-D PN	H-D Part No.	VVT Part No.
1	Bolt, 3/8-24 x 1-1/8 Hex. Hd, 1940-'69	2100-16	4336W	—
2	Lockwasher, 3/8, 1940-'69	—	7038	—
	Lockwasher, Late 1930-'49	0261	7045	—
3	Bushing, Pedal Pin, Late 1930-'69	2101-31	33213-31	—
4	Washer, Pedal Pin, Late 1930-'69	2102-30	33215-30	—
5	Starter Pedal, Complete (Black Rubber), 1940-'67	—	33175-16A	—
	Starter Pedal, Complete (Black Rubber), Late 1929-'49	2091-16A	33175-16	—
	Starter Pedal Plastic Complete (Red), 1929-'49	2091-16C	33176-16	—
	Starter Pedal Plastic Complete (Yellow), 1929-'49	2091-16D	33177-16	—
6	Pedal Cover, Starter (Black), 1963-'67	—	33182-63A	—
	Pedal Rubber (2), Starter (Black), 1917-'49	2092-17	33182-17	—
	Pedal Block Plastic (1), Starter (Red), 1945-'49	2092-45C	33183-45	—
	Pedal Block Plastic (1), Starter (Yellow), 1945-'49	2092-45D	33184-45	—
7	Axle Plate, Starter Crank Pedal, 1963-'69	—	33202-63	—
	Axle, Starter Crank Pedal, 1929-'49 (Rubber Pedal)	2095-16	33195-45	—
	Axle, Starter Crank Pedal, Late 1945-'49 (Plastic Pedal)	2095-45	33192-16	—
8	Starter Crank, Only (Black), 1954-'69	—	33068-54	—
	Starter Crank, 1937-'53	2076-36	33063-36	—
9	Bolt, 3/8-24 x 1-3/4 Hex. Hd, 1940-'69	—	4411	—
10	Starter Crank Shaft, 1954-'69	—	33096-54B	—
11	Stud, Starter Spring w/Spring Cover Screw Hole, 1937-'69	—	33152-59	—
	Stud, Starter Spring, 1937-'49	2086-36	33090-36	—
12	Spring, Starter Crank, 1940-'69	2084-36	33085-36	—
13	Washer, Starter Crank, 1940-'69	2077-36	33080-36	—
14	Upper Bushing, Starter Cover, 1940-'69	—	33291-36	106-6474
15	Lower Bushing, Starter Cover, 1940-'69	—	33290-38	106-6473
16	O-Ring, 1941-'69	—	11101	—
	Starter Crank Oil Seal, Late 1937-'49	2078-37	33076-37	—
17	Bushings, Pair, Starter Cover, 1941-'69	2127-37A	33288-37	—
18	Nut, 5/16-24 x 1/4 x 1/2 Hex. (9), 1940-'69	0117W	7753	500-0315
19	Washer, 11/32 x 11/16 x 1/16 (9), 1940-'69	—	6320, 70907-07, 6016, 6702	50-7034
	Washer, (9), 1937-'49	0214	6320, 70907-07, 6016, 6702	50-7034
20	Starter Cover, Transmission, 1940-'47 (G6 Date Code)	2126-36	33277-36A, 33277-36	106-6479-G6
	Starter Cover, Transmission, 1948-'50 (J7 Date Code)	2126-36	33277-36A, 33277-36	106-6479-J7
	Starter Cover, Transmission, 1937-'86 (Universal with No Date Code)	2126-36	33277-36A, 33277-36	106-6479-00
21	Gasket, Starter Cover, 1940-'69	2132-36	33295-36	560-0012
22	Filler Plug, Starter Cover, 1940-'69	—	37072-79	—
	Filler Plug Hex, Starter Cover, 1937-'49	2326-36	704	—
23	Nut, 5/8-18 x 1/4 x 9/16 Hex, 1937-'69	2274-36	7977	—
24	Key, Starter Clutch (2), 1916-'69	2147-16	33393-50	—
25	Lockwasher, Starter Clutch, 1939-'69	2149-39	33396-39	—
26	Starter Clutch, 1939-'69	2146-39	33381-39	—
27	Pin, Starter Crank Gear, 1939-'69	2143-36A	33355-36	—
28	Cam Plate, Starter Crank Gear, 1939-'69	2143-36B	33358-36	—
29	Gear, Starter Crank - 24 T, 1939-'69	2144-36	33350-36	—
30	Rivet, 3/16 x 5/32 (3), 1939-'69	0312	8241	—
31	Starter Gear, Mainshaft - 16 T., 1939-'49	2155-36	33430-36	—
	Starter Gear, Mainshaft - 16 T., 1967-'69	—	33430-50	—
	Starter Gear, Mainshaft - 14 T., Late 1959-'66	—	33430-59	—
32	Bushing, Mainshaft Starter Gear, 1931-Early '50	2155-31A	33436-31	—
	Bushing, Mainshaft Starter Gear, Late 1950-'69	—	33438-50	—
33	Spring, Starter Clutch, 1940-'69	2152-36	33391-36	—
34	Lockwasher, Starter Crank (2), 1916-'69	2080-16	33082-16	—
35	Nut, 1/2-20 x 7/16 x 7/8 Hex, 1937-'69	2079-36	7911	—
36	Stud, Starter Cover (9), 1937-'69	2134-36	33298-65	—
37	Screw, No. 10-24 x 7/16 Pozidriv Hd, 1940-'69	—	2664	—
38	Lockwasher, No. 10 External Tooth, 1940-'69	—	7220	—
39	Spring Cover Kit, Complete, 1940-'69	—	33150-59	—



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OEM	VVT	DESCRIPTION
10006	50-8346-S	WIRE, TIE, 8", BLACK, NYLON
10065	50-8346-S	Wire, Tie, 8", Black, Nylon
106-4524	106-4524	Nut, Cylinder Base, HH, 7/16-20 UNF-2B, Cadmium Plated, Stock 1930-'78 bt
106-4793	106-4424	Screw, SHC, 5/16-24 x 3.5", Zinc
10773-85	93-1051	Gasket, Head, .0625", 3-1/2", 1984-'99 bt, 1986-'03 xl, 10 Pk
10773-85	93-1313-S	Gasket, Head, .0625", 3-1/2", Graphite, 304 SS, 1984-'99 bt, 1986-'03 xl
10998	50-8448-S	Retaining Ring, Internal, HO-212
11002	50-8059	Retaining Ring, Oil Pump Drive Gear, Carbon Steel, SAE 1060-1090
11002	50-8107	Retaining Ring, External, Tru-arc, .366" x .025", 10 Pk
11016	560-0186	Retaining Ring, Shift Lever, 5 Speed
11031	560-0098	Retaining Ring
11067	560-0212	Retaining Ring, Transmission Gear, 94-06 bt
11096	560-0177	Retaining Ring, Clutch Pushrod, L1984-2013 bt
11096	560-0213	Retaining Ring, Throwout bearing, 94-06 bt
11101	50-8039	O-ring, (-209), .687" ID x .937" OD, Viton
11101	50-8200	O-ring, (-209), .687" ID x .937" OD, Viton, 5 Pk
11101	93-4110	O-ring, Top, Pushrod Cover, (-209), .687" ID x .937" OD, Viton, 10 Pk
11105	50-8008	O-ring, (-013), .437" ID x .565" OD, Viton
11105	50-8078	O-ring, Oil Return, (-013), .437" ID x .565" OD, Viton, 10 Pk
11110	50-8006	O-ring, (-012), .375" ID x .500" OD, Viton
11110	50-8077	O-ring, (-012), .375" ID x .500" OD, Viton, 10 Pk
11116	550-0388	O-ring, Starter Oil Seal, Body to Drive, 1991-2006 bt
11116	560-0077	O-ring, Starter Housing, 1991-2006 bt, 25 Pk
11124	31-4051	Seal, Gearcover Cam, 1.125" x 1.561" x .250", 1971-up xl
11132	560-0194	O-ring, Filler Plug, 5 Speed, 1987-'06 bt
11132A	50-8038	O-ring, (-115), .687" ID x .875" OD, Black, Nitrile
11132A	93-4111	O-ring, Middle, Pushrod Cover, (-115), .687" ID x .875" OD, Black, Nitrile, 10 Pk
11133A	50-8064-S	O-ring, Quad Seal, (-119), .937" ID x 1.125" OD, Viton
11140	50-8130	O-ring, (-014), .500" ID x .625" OD, Nitrile, 10 Pk
11145A	50-8037	O-ring, (-118), .875" ID x 1.062" OD, Viton
11145A	93-4112	O-ring, Bottom, Pushrod Cover, (-118), .875" ID x 1.062" OD, Viton, 10 Pk
11147A	560-0238	O-ring, Inner, Primary, to Engine Case, 1984-'06 bt
11147B	560-0238	O-ring, Inner, Primary, to Engine Case, 1984-'06 bt
11150	560-0187	Retaining Ring, Shift Rod, 5 Speed
11157	50-8039	O-ring, (-209), .687" ID x .937" OD, Viton
11157	50-8200	O-ring, (-209), .687" ID x .937" OD, Viton, 5 Pk
11157	93-4110	O-ring, Top, Pushrod Cover, (-209), .687" ID x .937" OD, Viton, 10 Pk
11161	50-8051	Retaining Ring, Internal, 3.734" x .109", Carbon Steel, SAE 1060-1090
11165	50-8045	O-ring, Quad Seal, (-031), 1.734" X 1.875", Black, Nitrile
11167	50-8004	O-ring, (-120), 1" ID x 1.875" OD, Viton
11167	50-8079	O-ring, (-120), 1" ID x 1.875" OD, Viton, 10 Pk
11168A	106-0682	O-ring, (-022), Viton, 10 Pk
11168A	50-8005	O-ring, (-022), 1" ID x .125" OD, Black, Viton
11171	560-0071	O-ring, Primary Inspection Cover Screw, 1986-up xl, 10 Pk
11177A	50-1004	Retaining Ring, External, Pinion Bearing, 1.160" x 1.480" x .046", 5 Pk
11177A	50-8057	Retaining Ring, External, Pinion Bearing, 1.160" x 1.480" x .046", Carbon Steel, SAE 1060-1090
11187	560-0070	O-ring, Clutch Inspection Cover, 1991-'93 xl, 10 Pk
11190	50-8039	O-ring, (-209), .687" ID x .937" OD, Viton
11190	50-8200	O-ring, (-209), .687" ID x .937" OD, Viton, 5 Pk
11190	93-4110	O-ring, Top, Pushrod Cover, (-209), .687" ID x .937" OD, Viton, 10 Pk
11-2045	50-0055-S	Screw, Torx Panhead, 6-32 x 1/4", Zinc, Steel

OEM	VVT	DESCRIPTION
11218	50-1009	Key, Woodruff, .125" x .375" x .374", Steel, 5 Pk
11218	50-8222-S	Key, Woodruff, .125" x .375" x .374"
11256	50-8048	O-ring, (-155), 3.987" ID x 4.193" OD, Viton
11270	50-8033	O-ring, (-114), .625" ID x .812" OD, Black, Viton
11273	50-8008	O-ring, (-013), .437" ID x .565" OD, Viton
11273	50-8032	O-ring, (-014), .500" ID x .625" OD, Nitrile(use PN 50-8270)
11273	50-8078	O-ring, Oil Return, (-013), .437" ID x .565" OD, Viton, 10 Pk
11273	50-8130	O-ring, (-014), .500" ID x .625" OD, Nitrile, 10 Pk
11286	500-0307	O-ring, (11286)
11286WR	500-0307	O-ring, (11286)
11290	560-0195	O-ring, Neutral Indicator Switch
11293	50-8039	O-ring, (-209), .687" ID x .937" OD, Viton
11293	50-8200	O-ring, (-209), .687" ID x .937" OD, Viton, 5 Pk
11293	93-4110	O-ring, Top, Pushrod Cover, (-209), .687" ID x .937" OD, Viton, 10 Pk
11301	50-8066	O-ring, (-110), .375" ID x .562" OD, Viton, 10 Pk
11301	50-8066-S	O-ring, (-110), .375" ID x .562" OD, Viton
11461	50-8061	Retaining Ring, External, Tru-arc, .722" x .042", Steel, SAE 1060-1090
11494	50-8061	Retaining Ring, External, Tru-arc, .722" x .042", Steel, SAE 1060-1090
11599	50-8051	Retaining Ring, Internal, 3.734" x .109", Carbon Steel, SAE 1060-1090
1167A	50-8153	O-ring, Kit, Tappet Guide, 1986-'03 xl
11727A	90-1005	Stud, Head Mount, 3/8-24, 3/8-16 ONF x 1.500", Zinc, Steel, 1986-'03 xl
11733A	50-8084	Stud, 3/8-24 UNF, 7/16-14 ONF x 1.30, Zinc
117541-48	900-0329	Gasket, Rocker Cover, Rubber, 1948-'65 OHV bt
117541-48	900-0339	Gasket, Set, Rocker Cover, Rubber, 1948-'65 OHV bt
12026B	31-4010	Seal, Left, Main Bearing, 1.750" x 2.507" x .3130", 1970-up bt
12035B	560-0217	Seal, Oil, Mainshaft 5th Gear, 94-06 bt
12043	560-0080	Seal, Starter Motor Shaft, 1980-1986 bt, 5 Pk
12045	56-1064	Seal, Oil, .441" x .886" x .250", 1984-'99 bt
12053	560-0082	Seal, Starter Motor Shaft, 1989-1993 bt, 5 Pk
12066	560-0081	Seal, Starter Motor Shaft, 1994-2006 bt, 5 Pk
12067B	56-3033	Seal, Transmission Output Shaft, 2.255" x 3.388" x .250, 1994-'99 bt, 1995-'03 xl
12068	31-4035	Seal, Left, Main Bearing, 1999-up bt
12074	560-0172	Seal, Main Drive Gear, 2007-up bt
12077	560-0178	Seal, Oil, Output Gear, 6 Speed, 2006-up bt
1305	50-0072	Screw, PH, 1/4-20 x 1", Nickel, Stainless Steel
1305	50-0094	Screw, PH, 1/4-20 x 1", 10 Pk
1324-S	93-3024-S	Head Bolt, 12 pt, 7/16-20 X 2-3/8" x 1" TD
1430	50-0012	Screw, SHCS, 1/4-20 x 3-1/4", Zinc, ASTM A574-92A
14716-00	310-0567	H-D, SUPPORT, FRT BALANCE SHAFT
14716-00	310-0567	Shaft, Front, Balancing, (14716-00)
14717-00	310-0568	H-D, SUPPORT, RR BALANCE SHAFT
14717-00	310-0568	Shaft, Rear, Balancing, (14717-00)
14728-00	310-0569	H-D, SUPPORT ASY, CHAIN GUIDE
14728-00	310-0569	Bracket, Assembly, Balancer, (14728-00)
14728-07	310-0570	H-D, Bracket Assembly, Balancer
14728-07	310-0570	Bracket, Assembly, Balancer, (14728-07)
14761-00	310-0571	Tensioner, Assembly, Chain, Guide, (14761-00)
14762-00	310-0572	Assembly, Chain Drive, (14762-00)
14764-00	310-0573	Tensioner, Assembly, Chain, Piston (14764-00)
14780-00	310-0574	H-D, SPACER, .130 THK
14780-00	310-0574	Spacer, .130, (14780-00)
14781-00	310-0575	H-D, SPACER, .140 THK

OEM to VVT Cross Reference Chart

OEM	VVT	DESCRIPTION
14781-00	310-0575	Spacer, .140 (14781-00)
14782-00	310-0576	H-D, SPACER, .150 THK
14782-00	310-0576	Spacer, .150 (14782-00)
14783-00	310-0577	H-D, SPACER, .160 THK
14783-00	310-0577	Spacer, .160 (14783-00)
14784-00	310-0578	H-D, SPACER, .170 THK
14784-00	310-0578	Spacer, .170 (14784-00)
14784-07	310-0579	H-D, Spacer, .038" Thick
14784-07	310-0579	Spacer, .039 (14784-07)
14785-00	310-0580	H-D, SPACER, .180 THK
14785-00	310-0580	Spacer, .180 (14785-00)
14786-00	310-0581	H-D, SPACER, .190 THK
14786-00	310-0581	Spacer, .190 (14786-00)
14787-00	310-0582	H-D, SPACER, .200 THK
14787-00	310-0582	Spacer, .200 (14787-00)
14788-00	310-0583	H-D, SPACER, .210 THK
14788-00	310-0583	Spacer, .039 (14788-00)
14789-00	310-0584	Shaft, Kit, Front, Balancer, (14789-00)
14790-00	310-0585	Shaft, Kit, Rear, Balancer, (14790-00)
16-0056	50-8013	O-ring, (-136), 2" ID x 2.187" OD, Nitrile
1601	106-3456	Screw, FHSC, 8-32 x 1/2", Stainless Steel, 10 Pk
1601	50-0353-S	Screw, FHCS, 8-32 x 1/2", Stainless Steel
16-1533	16-1523	Manifold, S&S Ports, 1-7/8", #374, Natural, 1994-2002 Buell
16214-86	93-4056	Mount, Front, Engine, Up To 5.087" Cylinder, Semi-Gloss Black, Steel, 1986-up xl
16222-86	93-4056	Mount, Front, Engine, Up To 5.087" Cylinder, Semi-Gloss Black, Steel, 1986-up xl
16240-82	31-2048	Nut, Motor Mount, Press-In, HH, 3/8-24 2B x .785", Steel, xl
16465-06	900-0625	Seal, Oil, Valve Stem, Hat Style, 2005-2015 bt, 2004-2015 xl, 4 Pk
16465-06	900-0782	Valve Guide, Intake/Exhaust, Standard, 2005-up bt
16483-41	106-4512	Cylinder, Set, 3-7/16" Bore, 5.530", w/ Gaskets, Hi-Temp Black, 1936-47 OHV bt
16483-41	106-4513	Cylinder, Front, 3-7/16" Bore, 5.530", 1936-47 OHV bt
16492-41	106-4512	Cylinder, Set, 3-7/16" Bore, 5.530", w/ Gaskets, Hi-Temp Black, 1936-47 OHV bt
16492-41	106-4514	Cylinder, Rear, 3-7/16" Bore, 5.530", 1936-47 OHV bt
16510-83A	910-0179	Cylinder, Kit, 3-1/2" Bore, 5.550", 4-1/4" Stroke, 920-0015, Natural, 1984-99 bt
16512-86A	91-7710F	Cylinder, Front, 3-1/2" Bore, 5.550", WBlack, 1984-99 bt
16512-86A	91-7710R	Cylinder, Rear, 3-1/2" Bore, 5.550", WBlack, 1984-99 bt
16512-86A	910-0182	Cylinder, Kit, 3-1/2" Bore, 5.550", 4-1/4" Stroke, 920-0015, WBlack, 1984-99 bt
16573-83	50-8023	Pin, Dowel, .557" x .500", Black, Steel
16573-83	50-8109	Pin, Dowel, .557" x .500", Black, Steel, 10 Pk
16573-83A	50-8023	Pin, Dowel, .557" x .500", Black, Steel
16573-83A	50-8109	Pin, Dowel, .557" x .500", Black, Steel, 10 Pk
16574-99A	50-8023	Pin, Dowel, .557" x .500", Black, Steel
16574-99A	50-8109	Pin, Dowel, .557" x .500", Black, Steel, 10 Pk
16583-00A	500-0308	Pin, Dowel, Balancer
16583-00A	500-0308	Pin, Dowel, Balancer
16589-99A	50-8148-S	Pin, Dowel, .275" x .397", Steel
16595-99A	50-8177	Pin, Dowel, .437" x .610", Steel
16595-99A	50-8177-4	Pin, Dowel, 1999-up bt, 4 Pk
16595-99A	50-8179	Pin, Dowel, .437" x .610", Steel, 10 Pk
16602-30	106-4522	Nut, Kit, Base, Cadmium Plated, Stock Bore 1930-78 bt

OEM	VVT	DESCRIPTION
16602-30	106-4524	Nut, Cylinder Base, HH, 7/16-20 UNF-2B, Cadmium Plated, Stock 1930-78 bt
16661-40	106-2475	Head, Set, Natural, Aluminum, 1937-48 UL, FH-Series
16664-86B	900-0587	Gasket, Head, .040", Stock Bore 883, MLS, 2 Pk
16671-36	106-2475	Head, Set, Natural, Aluminum, 1937-48 UL, FH-Series
16696-92A	106-4570	Head, Kit, Stock 3-5/8" Bore, Performance Service, .585" Round Wire Conical Steel, 82cc, WBlack, 1984-99 bt
16715-83	31-2340	Stud, Cylinder Base, 3/8-16 UNC x 6.070", Black, Steel, 1999-up bt, 8 Pk
16715-83	50-0493	Stud, Exhaust Port, 5/16-18, 5/16-24 x 1.910", Zinc, Steel
16715-83	50-1028	Stud, Exhaust Port, 5/16-18 UNC, 5/16-24 UNF x 1.91, Zinc, Steel, 5 Pk
16719-99B	90-4071-S	Gasket, Bottom, Rocker Cover, 4-1/8" 1984-99 bt, 1999-up bt
16769-36	106-2669	Gasket, Set, Head, FH-Series, Copper, 1937-48 UL
16769-36	106-2680	Gasket, Head, FH-Series, Copper, 1937-48 UL
16770-36	106-2686	Gasket, Head, KN-Series, 3-5/16", Copper
16770-36	930-0012	Gasket, Set, Head, 61", 1936-47 OHV bt
16770-48	106-5933	Gasket, Head, Stock Bore, Copper, 1948-65 bt
16770-66B	93-1041	Gasket, Head, .032", Stock, Copper, 1966-84 bt
16770-66B	93-1061	Gasket, Head, .032", Stock, Copper, 1966-84 bt, 10 Pk
16770-84D	93-1011-S	Gasket, Head, .045", 3-1/2", Graphite, 304 SS, 1984-99 bt, 1986-03 xl
16770-84D	93-1024	Gasket, Head, .045", 3-1/2", 1984-99 bt, 1986-03 xl, 10 Pk
16770-84D	93-1051	Gasket, Head, .0625", 3-1/2", 1984-99 bt, 1986-03 xl, 10 Pk
16770-84D	93-1313-S	Gasket, Head, .0625", 3-1/2", Graphite, 304 SS, 1984-99 bt, 1986-03 xl
16770-84F	93-1011-S	Gasket, Head, .045", 3-1/2", Graphite, 304 SS, 1984-99 bt, 1986-03 xl
16770-84F	93-1024	Gasket, Head, .045", 3-1/2", 1984-99 bt, 1986-03 xl, 10 Pk
16770-84F	93-1051	Gasket, Head, .0625", 3-1/2", 1984-99 bt, 1986-03 xl, 10 Pk
16770-84F	93-1313-S	Gasket, Head, .0625", 3-1/2", Graphite, 304 SS, 1984-99 bt, 1986-03 xl
16774-21	106-2692	Gasket, Base, KN-Series, 3-5/16", CMP-4200
16774-21	106-4919	Gasket, Base, KN-Series, 3-5/16", 3-7/16", 1936-47 OHV bt, KN-Series, 2 Pk
16774-86D	93-1038-S	Gasket, Base, .018", 3-1/2", Graphite, 1984-1999 bt, 1986-03 xl
16775-99B	93-1045-S	Gasket, Head, Stock Pattern, .043", 3-3/4", Graphite, 304 SS, 1999-up bt
16775-99B	93-1060	Gasket, Head, .043", 3-3/4", 1999-up bt, 10 Pk
16776-48	106-5931	Gasket, Front, Base, Stock Bore, PF4N, 1936-65 bt
16776-63	93-1023-S	Gasket, Base, .020", Stock, 1966-84 bt (Logo Side Faces Cylinder)
16776-63	93-1070	Gasket, Base, .020", Stock, Graphite, 1966-84 bt, 10 Pk (Logo Side Facing Cylinder)
16777-48	106-5932	Gasket, Rear, Base, Stock Bore, PF4N, 1936-65 bt
16777-83A	93-1038-S	Gasket, Base, .018", 3-1/2", Graphite, 1984-1999 bt, 1986-03 xl
16778-84A	90-4058	Gasket, Bottom Right, Rocker Cover, 1984-99 bt, 1986-03 xl
16778-84A	90-4062	Gasket, Bottom Right, Rocker Cover, .018", Graphite, 1984-99 bt, 1986-03 xl, 10 Pk
16779-84B	90-4059	Gasket, Bottom Left, Rocker Cover, 1984-99 bt, 1986-03 xl
16779-84B	90-4063	Gasket, Bottom Left, Rocker Cover, .018", Graphite, 1984-99 bt, 1986-03 xl, 10 Pk
16779-84D	90-4059	Gasket, Bottom Left, Rocker Cover, 1984-99 bt, 1986-03 xl
16779-84D	90-4063	Gasket, Bottom Left, Rocker Cover, .018", Graphite, 1984-99 bt, 1986-03 xl, 10 Pk
16800-84A	90-4058	Gasket, Bottom Right, Rocker Cover, 1984-99 bt, 1986-03 xl
16800-84A	90-4059	Gasket, Bottom Left, Rocker Cover, 1984-99 bt, 1986-03 xl
16800-84A	90-4062	Gasket, Bottom Right, Rocker Cover, .018", Graphite, 1984-99 bt, 1986-03 xl, 10 Pk
16800-84A	90-4063	Gasket, Bottom Left, Rocker Cover, .018", Graphite, 1984-99 bt, 1986-03 xl, 10 Pk
16814-48	106-4523	Head Bolt, Kit, Hex, 7/16-20 x 2-3/8", Stock 1948-65 OHV bt & 3-5/16
16814-48	106-5931	Gasket, Front, Base, Stock Bore, PF4N, 1936-65 bt

OEM to VVT Cross Reference Chart



OEM	VVT	DESCRIPTION
16831-30	31-2328	Stud, Cylinder Base, 7/16-14 UNC, 7/16-20 UNF x 2.0, Zinc, Steel, 1936-'84 bt, 8 Pk
16831-30	31-2328-S	Stud, Cylinder Base, 7/16-14 UNC, 7/16-20 UNF x 2.0, Zinc, Steel
16832-86C	31-2331	Stud, Cylinder Base, 3/8-16 UNC x 5.760", 1986-'03 xl, 8 Pk
16832-86C	31-2331-S	Stud, Cylinder Base, 3/8-16 UNC x 5.760"
16837-30	31-2328	Stud, Cylinder Base, 7/16-14 UNC, 7/16-20 UNF x 2.0, Zinc, Steel, 1936-'84 bt, 8 Pk
16837-30	31-2328-S	Stud, Cylinder Base, 7/16-14 UNC, 7/16-20 UNF x 2.0, Zinc, Steel
16837-78	31-2324	Stud, Cylinder Base, 7/16-14 ONF, 7/16-20 UNF x 2.3, Black, Steel, 1936-'84 bt, 8 Pk
16837-78	31-2324-S	Stud, Cylinder Base, 7/16-14 ONF, 7/16-20 UNF x 2.3, Black, Steel
16837-85C	31-2321	Stud, Cylinder Base, 3/8-16 UNC x 6.680", 1984-'99 bt, 8 Pk
16837-85C	31-2321-S	Stud, Cylinder Base, 6.68", Black Oxide, 1984-'99 bt
16852-67A	93-4057	Mount, Top, Engine, 2-Piece, Natural, Steel, 1948-'84 bt
16853-48	93-4057	Mount, Top, Engine, 2-Piece, Natural, Steel, 1948-'84 bt
17026-71	310-0528	Gasket, Kit, Engine, Complete, Rebuild, 900, 1957-'91 xl
17026-72	310-0529	Gasket, Kit, Engine, Complete, Rebuild, 1000, 1972-E73 xl
17026-73L	310-0530	Gasket, Kit, Engine, Complete, Rebuild, 1000, 1973-'76 xl
17026-79	310-0531	Gasket, Kit, Engine, Complete, Rebuild, 1000, 1977-'85 xl
17026-86A	310-0428	Gasket, Kit, Complete, 1200, 1988-'90 xl
17026-91A	310-0429	Gasket, Kit, Complete, 1200, 1991-2003 x
17026-91A	900-0578	Gasket, Kit, Top End, 883, 1986-'90 xl
17026-91A	900-0579	Gasket, Kit, Top End, 883, 1991-'03 xl
17026-91A	900-0582	Gasket, Kit, Top End, 1100, 1986-'87 xl
17026-91A	900-0583	Gasket, Kit, Top End, 1200, 1988-'90 xl
17026-91A	900-0773	Gasket, Kit, Rocker Box, 1986-'90 xl
17026-91A	900-0774	Gasket, Kit, Rocker Box, 1991-'03 xl
17027-04	310-0430	Gasket, Kit, Complete, 1200, 2004-'06 xl
17029-48	310-0422	Gasket, Kit, Complete, Stock Bore, 1948-
17029-66X	310-0419	Gasket, Kit, Complete, Stock Bore, 1966-
17029-70A	310-0420	Gasket, Kit, Complete, Stock Bore, 1970-
17029-80	310-0421	Gasket, Kit, Complete, Stock Bore, 1980-
17030-57	900-0763	Gasket, Kit, Top End, Rebuild, 900, 1957-'91 xl
17030-72	900-0764	Gasket, Kit, Top End, Rebuild, 1000, 1972-E73 xl
17030-72AL	900-0765	Gasket, Kit, Top End, Rebuild, 1000, 1973-'76 xl
17030-72B	900-0766	Gasket, Kit, Top End, Rebuild, 1000, 1977-'85 xl
17032-91	900-0584	Gasket, Kit, Top End, 1200, 1991-'03 xl
17033-83-A	900-0577	Gasket, Kit, Top End, Stock Bore, 1984-'91 bt
17034-48	900-0589	Gasket, Kit, Top End, Stock Bore, 1948-'
17034-66X	900-0588	Gasket, Kit, Top End, Stock Bore, 1966-'
17038-90	90-4046	Gasket, Kit, Rocker Cover, Rubber, 1984-'91 bt
17040-92	900-0576	Gasket, Kit, Top End, Stock Bore, 1992-'99 bt
17041-92-A	310-0413	Gasket, Kit, Complete, Stock Bore, 1992-
17041-92-A	310-0417	Gasket, Kit, Engine Only, Stock Bore, 19
17042-92A	310-0423	Gasket, Kit, Complete, 883, 1986-'90 xl
17042-92A	310-0424	Gasket, Kit, Complete, 883, 1991-'03 xl
17042-92A	310-0427	Gasket, Kit, Complete, 1100, 1986-'87 xl
17043-95	55-5020	O-ring, Kit, S&S VFI, Magneti Marelli
17045-99C	900-0572	Gasket, Kit, Top End, w/ Hat Style Valve
17045-99C	900-0573	Gasket, Kit, Top End, w/ Hat Style Valve Stem Seal, 3-7/8" Bore, 2005-up bt
17049-04	900-0585	Gasket, Kit, Top End, 1200, 2004-'06 xl
17052-99	900-0574	Gasket, Kit, Top End, 3-3/4" Bore, 1999-2004 bt
17052-99S	900-0575	Gasket, Kit, Top End, 3-7/8" Bore, 1999-2004 bt

OEM	VVT	DESCRIPTION
17053-99B	310-0405	Gasket, Kit, Engine, Complete, 3-3/4" Bore
17053-99XX	310-0407	Gasket, Kit, Engine, Complete, 3-3/4" Bo
17162-03	90-4077	Gasket, Breather Cover, Stock Pattern, Paper, 1999-2010 bt
17162-03	90-4078	Gasket, Breather Baffle, Stock Pattern, Paper, 1999-2010 bt
17300-36	106-3842	Housing, Front, Rocker Arm, Natural, Stock 1936-'47 OHV bt & KN-Series
17310-36	106-3945	Housing, Rear, Rocker Arm, Natural, Stock 1936-'47 OHV bt & KN-Series
17310-41	106-3945	Housing, Rear, Rocker Arm, Natural, Stock 1936-'47 OHV bt & KN-Series
17320-38	106-4619	Fitting, Pipe, Straight, Oil Line Return, Rocker Housing, Parkerized
17325-42	106-4618	Fitting, Top, Pipe, Straight, Oil Line Supply, Cadmium Plated
17330-42	106-4734	Fitting, Bottom, Straight, Oil Line Supply, Cadmium Plated, 1936-'47 OHV bt, KN-Series
17350-07B	310-0586	Gasket, Kit, Engine, SE 110 (17350-07B)
17354-89	90-4020	Gasket, Top, Rocker Cover, Cork, 1991-'03 xl
17355-92	90-4044	Gasket, Middle Outer, Rocker Cover, Rubber, 1992-'99 bt
17356-92	90-4045	Gasket, Top, Rocker Cover, Rubber, 1992-'99 bt
17358-84A	90-4042	Gasket, Middle Inner, Rocker Cover, Rubber, 1984-'99 bt, 1986-'03 xl
17360-66A	900-4320RA	Rocker Arm, Assembly, FI/RE, Roller, 1.5:1 Ratio, 8620, 1966-'84 bt
17360-83A	900-4119RA	Rocker Arm, Assembly, RE/FI, Non-Roller, 1.625:1 Ratio, 8620, 1984-up bt, 1986-'03 xl
17369-06	560-0037	Gasket, Kit, Primary, Rebuild, 2007-up FL
17369-06	560-0063	O-ring, Derby Cover, 2006-up Dyna, 2007-up bt, 5 Pk
17375-66A	900-4320FA	Rocker Arm, Assembly, FE/RI, Roller, 1.5:1 Ratio, 8620, 1966-'84 bt
17375-83A	900-4119FA	Rocker Arm, Assembly, FE/RI, Non-Roller, 1.625:1 Ratio, 8620, 1984-up bt, 1986-'03 xl
17386-99A	90-4096-S	Gasket, Rocker Cover, Steel, 1999-up bt
17386-99A	900-0438	Gasket, Rocker Cover, Steel, 1999-up bt, 2 Pk
17386-99A	900-0439	Gasket, Rocker Cover, Steel, 1999-up bt, 10 Pk
17428-57	900-0736	Bushing, Rocker Arm, 1957-'83 xl, 8 Pk
17428-57	900-0784	Bushing, Rocker Arm, Bronze, 1957-'69 xl, 8 pk
17429-91	900-0784	Bushing, Rocker Arm, Bronze, 1957-'69 xl, 8 pk
17447-36	106-2889	Nut, Rocker Arm Shaft, Knuckle, w/ O-ring, Chrome, Stock 1936-'47 OHV bt & KN-Series, 4 Pk
17447-36	106-4355	Nut, Rocker Arm Shaft, Knuckle, w/ O-ring, Chrome, 1936-'47 OHV bt
17465-36	106-4352	Washer, Rocker Arm, Thrust, Stepped .015, 1936-'47 OHV bt
17475-38	106-3636	Seal, Oil, Rocker Arm, 1936-'47 OHV bt, KN-Series
17482-36	106-4358	Washer, Rocker Arm, Stock 1936-'47 OHV bt & KN-Series
17500-48A	106-0919	Cover, Set, Rocker Arm, Chrome, Steel, 1948-'65 bt
17507-51	106-0920	Ring, Set, Rocker Cover, D Style, 1948-'65 bt
17540-69	90-4040	Gasket, Rocker Cover, 1966-'84 bt
17540-69	90-4064	Gasket, Rocker Cover, Graphite, 1966-'84 bt, 10 Pk
17540-69A	90-4040	Gasket, Rocker Cover, 1966-'84 bt
17540-69A	90-4064	Gasket, Rocker Cover, Graphite, 1966-'84 bt, 10 Pk
17591-99	90-4077	Gasket, Breather Cover, Stock Pattern, Paper, 1999-2010 bt
17592-99	90-4077	Gasket, Breather Cover, Stock Pattern, Paper, 1999-2010 bt
17592-99	90-4078	Gasket, Breather Baffle, Stock Pattern, Paper, 1999-2010 bt
17611-83B	90-4006	Shaft, Rocker Arm, 1984-up bt
17611-83B	90-4036	Shaft, Set, Rocker Arm, Stock Service, 1984-up bt, 1986-up xl
17904-57	93-5037	Pushrod, Set, Non-Adjustable, Stock, Steel, 1957-'85 xl
17904-66	93-5070	Pushrod, Set, Adjustable, Hydraulic Tappet, Stock, Steel, 1966-'84 bt
17905-36	930-0007	Pushrod, Set, Non-Adjustable, Stock (61"), Aluminum, 1936-'47 bt
17905-36	930-0008	Pushrod, Set, Non-Adjustable, Stock (74"), Aluminum, 1936-'47 bt
17905-53B	93-5059	Pushrod, Set, Non-Adjustable, Stock, Steel, 1948-'65 bt
17920-53A	330-0379	Tappet, Assembly, Hydraulic, 1953-'84 bt

OEM to VVT Cross Reference Chart

OEM	VVT	DESCRIPTION	OEM	VVT	DESCRIPTION
17935-36	106-3850	Pushrod Cover, Top, Natural, Zinc Plated, Steel, Stock 1936-'47 OHV bt & KN-Series	18081-36	900-0714	Valve, Exhaust, 1936-'65 bt
17935-66T	93-4016	Pushrod Cover, Top, Natural, Aluminum, 1966-up bt, 1986-'90 xl	18082-37	900-0211	Valve, Exhaust, Forged, 74" 80", FH-Series
17935-79B	93-4016	Pushrod Cover, Top, Natural, Aluminum, 1966-up bt, 1986-'90 xl	18082-57A	900-0742	Valve, Exhaust, 1948-'65 bt
17938-79	93-4029	Pushrod Cover, Bottom, w/ O-rings, Chrome, 1979-'84 bt	18082-83	900-0751	Valve, Exhaust, Stock, 1984-'99 bt
17938-83	93-4015	Pushrod Cover, Bottom, Chrome Plated, Steel, 1984-up bt, 1986-'90 xl	18082-83	900-0785	Valve, Exhaust, Stock, 1999-2004 bt
17939-36	106-3949	Pushrod Cover, Kit, Natural, Stock 1936-'47 OHV bt & KN-Series	18085-05A	900-0753	Valve, Exhaust, 2005-up bt
17945-36B	93-4017	Cap, Pushrod Cover, 1936-up bt, 1957-'90 xl	18085-05B	900-0753	Valve, Exhaust, 2005-up bt
17947-36	93-4018	Spring, Pushrod Cover Cap, .080" Wire, .730" x .890" x .925", Steel, 1936-up bt, 1957-'90 xl	18085-99	900-0785	Valve, Exhaust, Stock, 1999-2004 bt
17949-40	93-4035-S	Cover Keeper, Pushrod, 3.330", Chrome	18086-80	90-2022	Valve, Exhaust, 1.720" x 3.724" @ 1.680" Gauge, 1948-'84 bt
17949-40	93-4106	Cover Keeper, Set, Pushrod, 3.330", Chrome	18086-81	90-2022	Valve, Exhaust, 1.720" x 3.724" @ 1.680" Gauge, 1948-'84 bt
17950-48	93-4070	Cover Keeper, Set, Pushrod, 2.400", Chrome	18089-80	90-2022	Valve, Exhaust, 1.720" x 3.724" @ 1.680" Gauge, 1948-'84 bt
17950-66	93-4035-S	Cover Keeper, Pushrod, 3.330", Chrome	18089-81	90-2022	Valve, Exhaust, 1.720" x 3.724" @ 1.680" Gauge, 1948-'84 bt
17950-66	93-4106	Cover Keeper, Set, Pushrod, 3.330", Chrome	18094-02	900-0590	Seal, Oil, Valve Stem, Hat Style, Viton, 2003-up
17950-86	93-4115	Cover Keeper, Set, Pushrod, 2.800", Chrome	18104-81A	90-2246	Valve Guide, Intake/Exhaust, +.006", Cast Iron, 1980-'84 bt
17955-36	106-3849	O-ring, Square, .1875"	18106-81A	90-2244	Valve Guide, Intake/Exhaust, +.004", Cast Iron, 1980-'84 bt
17964-99	310-0587	Tappet Cover, Front, Chrome, 99-up bt (17964-99)	18107-81A	90-2243	Valve Guide, Intake/Exhaust, +.003", Cast Iron, 1980-'84 bt
17964-99	310-0587	Tappet Cover, Front, Chrome, 99-up bt (17964-99)	18108-81A	90-2242	Valve Guide, Intake/Exhaust, +.002", Cast Iron, 1980-'84 bt
17966-99	310-0588	Tappet Cover, Rear, Chrome, 99-up bt (17966-99)	18109-81A	90-2241	Valve Guide, Intake/Exhaust, +.001", Cast Iron, 1980-'84 bt
17966-99	310-0588	Tappet Cover, Rear, Chrome, 99-up bt (17966-99)	18112-92	90-2210	Valve Guide, Intake/Exhaust, Standard, Cast Iron, 1984-up bt, 1986-'03 xl
17983-40	106-3851	Pushrod Cover, Bottom, Chrome, Stock 1936-'47 OHV bt & KN-Series	18130-83C	90-2211	Valve Guide, Intake/Exhaust, +.001", Cast Iron, 1984-up bt, 1986-'03 xl
18000-81	90-2019	Seal, Valve Guide, L1981-'84 bt	18131-83C	90-2213	Valve Guide, Intake/Exhaust, +.003", Cast Iron, 1984-up bt, 1986-'03 xl
18000-81	90-2157	Seal, Valve Guide, L1981-'84 bt, 8 Pk	18133-83A	90-2212	Valve Guide, Intake/Exhaust, +.002", Cast Iron, 1984-up bt, 1986-'03 xl
18001-83B	90-2008	Seal, Valve Guide, 1984-up bt, 1986-'03 xl	18133-83D	90-2212	Valve Guide, Intake/Exhaust, +.002", Cast Iron, 1984-up bt, 1986-'03 xl
18001-83B	90-2158	Seal, Valve Guide, 1984-up bt, 1986-'03 xl, 8 Pk	18143-79A	900-0743	Valve Guide, Intake, +.002, 1948-'65 bt
18010-79	90-2018	Seat, Exhaust, 1.750", 1948-'84 bt	18143-79A	900-0745	Valve Guide, Exhaust, +.002, 1948-'65 bt
18017-66	90-2018	Seat, Exhaust, 1.750", 1948-'84 bt	18170-30	900-0209	Valve Guide, Honed, 74" 80", Cast Iron, 1930-'40 bt
18018-66	90-2017	Seat, Intake, 1.950", 1966-'84 bt	18172-57A	900-0732	Valve Guide, Exhaust, +.001", 1957-'83 xl
18020-79	90-2017	Seat, Intake, 1.950", 1966-'84 bt	18179-57B	900-0730	Valve Guide, Intake, +.001", 1957-'83 xl
18023-86	900-0756	Valve, Intake, 1100cc, 1986-'87 xl	18181-36	106-3637	Valve Guide, Intake/Exhaust, Standard, Cast Iron, 1936-'47 OHV bt, KN-Series
18023-87	900-0758	Valve, Intake, 1200cc, 1988-'03 xl	18181-36	900-0715	Valve Guide, Intake/Exhaust, Standard, 1936-'47 bt
18024-86	900-0757	Valve, Exhaust, 1100cc, 1986-'87 xl	18184-36	106-3948	Valve Guide, Intake/Exhaust, +.002", Cast Iron, Stock 1936-'47 OHV bt & KN-Series
18024-87	900-0759	Valve, Exhaust, 1200cc, 1988-'03 xl	18184-36	900-0716	Valve Guide, Intake/Exhaust, +.002", 1936-'47 bt
18030-86	900-0755	Valve, Exhaust, 883cc, 1986-'03 xl	18185-36	900-0715	Valve Guide, Intake/Exhaust, Standard, 1936-'47 bt
18031-86	900-0754	Valve, Intake, 883cc, 1986-'03 xl	18185-40	106-3637	Valve Guide, Intake/Exhaust, Standard, Cast Iron, 1936-'47 OHV bt, KN-Series
18055-66B	90-2018	Seat, Exhaust, 1.750", 1948-'84 bt	18187-40	106-3948	Valve Guide, Intake/Exhaust, +.002", Cast Iron, Stock 1936-'47 OHV bt & KN-Series
18056-66B	90-2017	Seat, Intake, 1.950", 1966-'84 bt	18201-36A	900-0739	Spring, Set, 1948-'65 bt, 4 Pair
18070-58	900-0726	Valve, Intake, 1957-'69 xl	18201-57B	900-0739	Spring, Set, 1948-'65 bt, 4 Pair
18070-70	900-0728	Valve, Intake, 1970-'83 xl	18203-36	900-0711	Spring, Set, 1936-'47 bt, 4 Pk
18071-36	900-0713	Valve, Intake, 1936-'65 bt	18203-57A	900-0724	Spring, Set, Valve, 1957-'83 xl, 4 Pk
18071-48	900-0741	Valve, Intake, 1948-'65 bt	18204-36	900-0711	Spring, Set, 1936-'47 bt, 4 Pk
18071-58	900-0726	Valve, Intake, 1957-'69 xl	18204-36A	90-2060	Spring, Kit, Valve, Triple, Steel, .590", 1948-E'81 bt
18072-37	900-0210	Valve, Intake, Forged, 74" 80", FH-Series	18204-57A	900-0724	Spring, Set, Valve, 1957-'83 xl, 4 Pk
18074-05A	900-0752	Valve, Intake, 2005-up bt	18205-57	900-0739	Spring, Set, 1948-'65 bt, 4 Pair
18074-83A	900-0750	Valve, Intake, Stock, 1984-'99 bt	18220-57	900-0725	Washer, Kit, Base, 1957-'83 xl, 4 Pk
18075-80	90-2015	Valve, Intake, Stock Heads, 1.950" x 3.885" @ 1.879" Gauge, 1966-'84 bt	18221-36	900-0709	Retainer, Kit, 1936-'47 bt, 4 Pk
18075-81	90-2015	Valve, Intake, Stock Heads, 1.950" x 3.885" @ 1.879" Gauge, 1966-'84 bt	18221-57B	900-0722	Retainer, Kit, 1957-'83 xl, 4 Pk
18078-81	90-2015	Valve, Intake, Stock Heads, 1.950" x 3.885" @ 1.879" Gauge, 1966-'84 bt	18222-36	900-0711	Spring, Set, 1936-'47 bt, 4 Pk
18078-80	90-2015	Valve, Intake, Stock Heads, 1.950" x 3.885" @ 1.879" Gauge, 1966-'84 bt	18222-36	900-0712	Washer, Kit, Base, 1936-'47 bt, 4 Pk
18078-81	90-2015	Valve, Intake, Stock Heads, 1.950" x 3.885" @ 1.879" Gauge, 1966-'84 bt	18222-48	900-0740	Washer, Kit, Base, 1948-'65 bt, 4 Pk
18080-58A	900-0729	Valve, Exhaust, 1970-'83 xl	18222-81	90-2038	Collar, Bottom, Valve Spring, .550", Steel, 1981-'84 bt
18080-58R	900-0727	Valve, Exhaust, 1957-'69 xl			
18081-36	106-3629	Valve, Exhaust, 1.750", Stock 1936-'47 OHV bt & KN-Series			

OEM to VVT Cross Reference Chart



OEM	VVT	DESCRIPTION
18228-30	900-0723	Valve Keeper, Kit, 1957-'83 xl, 8 Pk
18228-36	90-2037-5	Valve Keeper, 1936-'84 bt
18228-36	900-0710	Valve Keeper, Kit, 1936-'47 bt, 8 Pk
18229-83	50-7166	Valve Keeper, 1984-2005 bt, 1986-'03 xl, 8 Pk
18229-83	90-2094-5	Valve Keeper, Standard, 9° Degree, 1984-99 bt, 1999-05 bt, 1986-03
18490-29	106-5872	Tappet, Assembly, Standard, 1929-'73 SV bt
18490-29	106-5875	Tappet, Set, Standard, 1929-'73 SV bt
18491-36	106-1815	Tappet, Assembly, Intake, Standard, 1936-'47 OHV bt
18493-36	106-1817	Tappet, Assembly, Exhaust, Standard, 1936-'47 OHV bt
18522-53A	330-0380	Tappet, Hydraulic, Roller, 1953-'84 bt, 4 Pk
18523-86A	33-5352	Tappet, Set, Hydraulic, 1984-'99 bt, 1986-'90 xl
18526-89A	33-5338	Spacer, Kit, HL2T, 1984-'99 bt, 1991-2012 xl
18534-29A	330-0377	Roller, Assembly, Tappet, 1929-'84 bt, 1952-'85 xl, 4 Pk
18535-99	50-8195	Pin, Dowel, 1999-up bt, 2 Pk
18535-99	50-8195-5	Pin, Dowel, .250" x 1.750", Alloy
18538-99A	33-5350	Tappet, Set, Hydraulic, 1999-up bt, 2000-up xl
18538-99B	33-5350	Tappet, Set, Hydraulic, 1999-up bt, 2000-up xl
18538-99C	33-5350	Tappet, Set, Hydraulic, 1999-up bt, 2000-up xl
18555-36	33-5332	Screw, Pushrod Adjustment, Black, Steel, 1936-'84 bt
18600-36	106-2665	Tappet Guide, Front, Silver, Cast Iron, 1936-'47 OHV bt
18610-36	106-2666	Tappet Guide, Rear, Silver, Cast Iron, 1936-'47 OHV bt
18632-36	106-2561	Gasket, Tappet Guide, Fiber 4N, 1936-'47 OHV bt
18632-36	106-2563	Gasket, Set, Tappet Guide, 1936-'47 OHV bt
18633-48	33-5302	Gasket, Set, Tappet Guide, 1948-'99 bt
18633-48B	33-5302R	Gasket, Rear, Tappet Guide, 1948-'99 bt
18633-48D	33-5302R	Gasket, Rear, Tappet Guide, 1948-'99 bt
18633-48D	33-5313R	Gasket, Rear, Tappet Guide, 1948-'99 bt, 10 Pk
18634-48C	33-5302F	Gasket, Front, Tappet Guide, 1948-'99 bt
18634-48C	33-5313F	Gasket, Front, Tappet Guide, 1948-'69 bt, 10 Pk
18635-99B	33-5303-2	Gasket, Set, Tappet Cover, 1999-up bt
18635-99B	33-5303-5	Gasket, Tappet Cover, 1999-up bt
18635-99B	33-5615	Gasket, Tappet Cover, 1999-up bt, 10 Pk
18690-02	900-0760	Valve, Intake, 7mm Stem, 1200cc, 2004-2015 xl
18691-02	900-0761	Valve, Exhaust, 7mm Stem, 1200cc, 2004-2015 xl
215	50-8019	Pin, Dowel, .312" x .500", Alloy
21918-99	940-0023	Ring, Set, Piston, 3-7/8", Stock, Standard, 1999-up bt, 2 Pk
21918-99	940-0024	Ring, Set, Piston, 3-7/8", Wiseco, Standard, 1999-up bt, 1 Pk
21920-83	94-2206X	Ring, Set, Piston, 3-7/16", +.060", Moly Faced, .0625, .0625, .184, 1966-'84 bt
21921-83	94-22165X	Ring, Set, Piston, 3-1/2", +.005", Moly Faced, 1984-'99 bt, 1986-'03 xl
21922-83	94-2207X	Ring, Set, Piston, 3-7/16", +.070", Moly Faced, .0625, .0625, .184, 1966-'84 bt
21923-83	94-2208X	Ring, Set, Piston, 3-7/16", +.080", Moly Faced, .0625, .0625, .184, 1966-'84 bt
21924-83	94-2209X	Ring, Set, Piston, 3-7/16", +.090", Moly Faced, .0625, .0625, .184, 1966-'84 bt
21924-83	94-2219X	Ring, Set, Piston, 3-1/2", +.030", Moly Faced, .0625, .0625, .1525, 1984-'99 bt, 1986-'03 xl
21936-99	940-0022	Ring, Set, Piston, 3-3/4", Stock, Standard, 1999-up bt, 2 Pk
21940-83	920-0015	Piston, Set, 3-1/2", Standard, 80", FD, .792" WP, 1984-'99 bt
21942-83	920-0026	Piston, Set, 3-1/2", +.010, 80", FD, .792" WP, Cast, 1984-'99 bt
21943-83	920-0027	Piston, Set, 3-1/2", +.020", 80", FD, .792" WP, Cast, 1984-'99 bt
21949-07	940-0022	Ring, Set, Piston, 3-3/4", Stock, Standard, 1999-up bt, 2 Pk
22097-99	106-2304	Wristpin Keeper, C-Clip, .927", Spring Wire Steel, 4 Pk
22097-99	94-9278-2	Wristpin Keeper, C-Clip, .927", 2 Pk

OEM	VVT	DESCRIPTION
22101-41	106-5495	Piston, Set, 3-7/16", Standard, 74", LC, Forged, .791" WP, 1936-'84 bt
22101-48	106-5495	Piston, Set, 3-7/16", Standard, 74", LC, Forged, .791" WP, 1936-'84 bt
22103-41	106-5496	Piston, Set, 3-7/16", +.010", 74", LC, Forged, .791" WP, 1936-'78 bt
22103-48	106-5496	Piston, Set, 3-7/16", +.010", 74", LC, Forged, .791" WP, 1936-'78 bt
22104-41	106-5497	Piston, Set, 3-7/16", +.020", 74", LC, Forged, .791" WP, 1936-'78 bt
22104-48	106-5497	Piston, Set, 3-7/16", +.020", 74", LC, Forged, .791" WP, 1936-'78 bt
22105-41	106-5498	Piston, Set, 3-7/16", +.030", 74", LC, Forged, .791" WP, 1936-'78 bt
22105-48	106-5498	Piston, Set, 3-7/16", +.030", 74", LC, Forged, .791" WP, 1936-'78 bt
22106-41	106-5773	Piston, Set, 3-7/16", +.040", 74", LC, .791" WP, 1936-'78 bt
22106-48	106-5773	Piston, Set, 3-7/16", +.040", 74", LC, .791" WP, 1936-'78 bt
22216-30	920-0013	Piston, Set, 3-7/16", Standard, 80", , 1937-'41 UL svbt
22218-30	920-0036	Piston, Set, 3-7/16", +.010", 80", 1937-'41 UL svbt
22219-30	920-0037	Piston, Set, 3-7/16", +.020", 80", 1937-'41 UL svbt
22220-30	920-0038	Piston, Set, 3-7/16", +.030", 80", 1937-'41 UL svbt
22221-30	920-0039	Piston, Set, 3-7/16", +.040", 80", 1937-'41 UL svbt
22223-30	920-0040	Piston, Set, 3-7/16", +.060", 80", 1937-'41 UL svbt
22307-99	31-2025B	Jet, Assembly, Piston Cooling, 1999-up bt
22307-99	31-2026	Jet, Kit, Piston Cooling, 4-1/8" 1984-'99 bt, 1999-up bt, 2 Pk
22325-55B	94-2200X	Ring, Set, Piston, 3-7/16", Standard, Moly Faced, .0625, .0625, .184, 1966-'84 bt
22327-55B	94-2201X	Ring, Set, Piston, 3-7/16", +.010", Moly Faced, .0625, .0625, .184, 1966-'84 bt
22328-55B	94-2202X	Ring, Set, Piston, 3-7/16", +.020", Moly Faced, .0625, .0625, .184, 1966-'84 bt
22329-55B	94-2203X	Ring, Set, Piston, 3-7/16", +.030", Moly Faced, .0625, .0625, .184, 1966-'84 bt
22330-55B	94-2204X	Ring, Set, Piston, 3-7/16", +.040", Moly Faced, .0625, .0625, .184, 1966-'84 bt
22334-78A	94-2206X	Ring, Set, Piston, 3-7/16", +.060", Moly Faced, .0625, .0625, .184, 1966-'84 bt
22334-78B	94-2206X	Ring, Set, Piston, 3-7/16", +.060", Moly Faced, .0625, .0625, .184, 1966-'84 bt
22335-78A	94-2207X	Ring, Set, Piston, 3-7/16", +.070", Moly Faced, .0625, .0625, .184, 1966-'84 bt
22335-78B	94-2207X	Ring, Set, Piston, 3-7/16", +.070", Moly Faced, .0625, .0625, .184, 1966-'84 bt
22336-78B	94-2208X	Ring, Set, Piston, 3-7/16", +.080", Moly Faced, .0625, .0625, .184, 1966-'84 bt
22337-78B	94-2209X	Ring, Set, Piston, 3-7/16", +.090", Moly Faced, .0625, .0625, .184, 1966-'84 bt
22355-37	940-0006	Ring, Set, Piston, 3-7/16", Standard, 1937-'41 UL svbt
22355-41	94-2200X	Ring, Set, Piston, 3-7/16", Standard, Moly Faced, .0625, .0625, .184, 1966-'84 bt
22355-48	94-2200X	Ring, Set, Piston, 3-7/16", Standard, Moly Faced, .0625, .0625, .184, 1966-'84 bt
22355-53	94-2200X	Ring, Set, Piston, 3-7/16", Standard, Moly Faced, .0625, .0625, .184, 1966-'84 bt
22357-37	940-0007	Ring, Set, Piston, 3-7/16", +.010", 1937-'41 UL svbt
22357-41	94-2201X	Ring, Set, Piston, 3-7/16", +.010", Moly Faced, .0625, .0625, .184, 1966-'84 bt
22357-48	94-2201X	Ring, Set, Piston, 3-7/16", +.010", Moly Faced, .0625, .0625, .184, 1966-'84 bt
22358-37	940-0008	Ring, Set, Piston, 3-7/16", +.020", 1937-'41 UL svbt
22358-41	94-2202X	Ring, Set, Piston, 3-7/16", +.020", Moly Faced, .0625, .0625, .184, 1966-'84 bt
22358-48	94-2202X	Ring, Set, Piston, 3-7/16", +.020", Moly Faced, .0625, .0625, .184, 1966-'84 bt
22358-53	94-2202X	Ring, Set, Piston, 3-7/16", +.020", Moly Faced, .0625, .0625, .184, 1966-'84 bt
22359-37	940-0009	Ring, Set, Piston, 3-7/16", +.030", 1937-'41 UL svbt

OEM to VVT Cross Reference Chart

OEM	VVT	DESCRIPTION
22359-41	94-2203X	Ring, Set, Piston, 3-7/16", +.030", Moly Faced, .0625, .0625, .184, 1966-'84 bt
22359-48	94-2203X	Ring, Set, Piston, 3-7/16", +.030", Moly Faced, .0625, .0625, .184, 1966-'84 bt
22360-37	940-0010	Ring, Set, Piston, 3-7/16", +.040", 1937-'41 UL svbt
22360-41	94-2204X	Ring, Set, Piston, 3-7/16", +.040", Moly Faced, .0625, .0625, .184, 1966-'84 bt
22360-48	94-2204X	Ring, Set, Piston, 3-7/16", +.040", Moly Faced, .0625, .0625, .184, 1966-'84 bt
22362-37	940-0011	Ring, Set, Piston, 3-7/16", +.060", 1937-'41 UL svbt
22371-99	31-2025B	Jet, Assembly, Piston Cooling, 1999-up bt
22582-73	31-4020	Bushing, Pinion Shaft, Bronze, 1954-'72 bt
22589-83A	94-9254	Wristpin Keeper, C-Clip, .791"/.792", 4 Pk
22589-83A	94-9254-2	Wristpin Keeper, C-Clip, .791"/.792", 2 Pk
22589-83A	94-9254-5	Wristpin Keeper, C-Clip, .791"/.792"
22589-83B	94-9254	Wristpin Keeper, C-Clip, .791"/.792", 4 Pk
2329	106-3847	Screw, Slotted, Oval, Machined, 1/4-24 x 5/8", Cadmium Plated, Steel
2341	106-2013	Screw, Slotted Countersunk, Oval, 1/4-24 x 1-1/8", Cadmium Plated
2341	106-2087	Screw, Slotted Countersunk, Oval, 1/4-24 x 1-1/8", Cadmium Plated, 12 Pk
2341HW	106-2013	Screw, Slotted Countersunk, Oval, 1/4-24 x 1-1/8", Cadmium Plated
2341HW	106-2087	Screw, Slotted Countersunk, Oval, 1/4-24 x 1-1/8", Cadmium Plated, 12 Pk
23901-81	34-2104	Nut, HH, 1-20 UNEF-3B x .346", Black, Steel, 4140
23902-00D	320-0397	Flywheel, Assembly, 4" Stroke, SF3, Full Width Wristpin, 7.667" Rod, w/o Sprocket Bearing Race, 1230 tpw, 2000-2006 bt (B Style)
23904-03B	320-0402	Flywheel, Assembly, 4" Stroke, SF3, Full Width Wristpin, 7.667" Rod, w/ Sprocket Bearing Race, 1230 tpw, 2003-2006 bt Except 2006 Dyna
23906-74	32-2015	Flywheel, Special Order, 1936-'99 bt
23906-78G	32-2015	Flywheel, Special Order, 1936-'99 bt
23906-87A	32-2015	Flywheel, Special Order, 1936-'99 bt
23906-90	32-2239	Flywheel, Assembly, 4-1/4" Stroke, 8-1/2" Diameter, Balanced, 1984-'99 bt
23906-90A	32-2239	Flywheel, Assembly, 4-1/4" Stroke, 8-1/2" Diameter, Balanced, 1984-'99 bt
23906-93B	32-2239	Flywheel, Assembly, 4-1/4" Stroke, 8-1/2" Diameter, Balanced, 1984-'99 bt
23912-00D	32-2241	Flywheel, Assembly, 4" Stroke, 8-1/4" Diameter, Notched, Balanced, 1999-2006 bt w/ Balancer
23925-37	32-3013	Flywheel, 3-13/16" Stroke, 7-7/8" Diameter, WR/KR
23928-87	330-0396	Race, Inner, Bearing, Pinion Shaft, 1987-1998 bt
23941-95	32-2145	Flywheel, Assembly, 4-1/4" Stroke, 8-1/2" Diameter, Notched, Balanced, 1995-'98 bt
23948-87	34-2603	Crankpin, Assembly, 1.250", 1981-'99 xl
23949-87	34-2605	Crankpin, Assembly, Tapered, 1.251", 1981-'99 xl
23955-06B	320-0392	Flywheel, Assembly, 4" Stroke, SF3, Full Width Wristpin, 7.667" Rod, w/ Sprocket Bearing Race, 1230 tpw, 2007-up bt
23957-99E	32-2240	Flywheel, Assembly, 4" Stroke, 8-1/4" Diameter, Notched, Balanced, 1999-2006 bt
23960-80A	34-2602	Crankpin, Assembly, Tapered, 1981-'99 xl
23961-41	34-2002	Crankpin, Stock Threads, 1.249", 1941-'81 bt
23961-80A	34-2102	Crankpin, Assembly, Tapered, 1.249", 1981-'99 bt
23967-54A	34-2104	Nut, HH, 1-20 UNEF-3B x .346", Black, Steel, 4140
23969-83	34-2104	Nut, HH, 1-20 UNEF-3B x .346", Black, Steel, 4140
23974-87	34-2103	Crankpin, Assembly, Tapered, 1.250", 1981-'99 bt
23975-87	34-2105	Crankpin, Assembly, Tapered, 1.251", 1981-'99 bt
23981-98	34-2104	Nut, HH, 1-20 UNEF-3B x .346", Black, Steel, 4140
23985-54	50-1008	Key, Woodruff, .094" x .500" x .491", Steel, 5 Pk
23985-54	50-8221-2	Key, Woodruff, .094" x .500" x .491", 2 Pk
23985-54	50-8221-5	Key, Woodruff, .094" x .500" x .491", Steel

OEM	VVT	DESCRIPTION
24001-30	33-2001	Sprocket Shaft, Assembly, 1936-'54 bt
24002-70	31-4011	Spacer, Sprocket Shaft, 70-up BT (HD#24002-70)
24004-03A	310-0589	Bearing, Assembly, Sprocket, 2003-up bt (24004-03A)
24005-37	33-2356	Pinion Shaft, Assembly, Tapered, Standard, 1937-'43 bt
24005-57	33-2321	Pinion Shaft, Assembly, Tapered, Standard, 1957-'76 xl
24005-80	33-2323	Pinion Shaft, Assembly, Tapered, Standard, 1981-'85 xl
24006-54A	33-2024	Pinion Shaft, Assembly, Tapered, Standard, 1958-E'81 bt
24006-73	33-2024	Pinion Shaft, Assembly, Tapered, Standard, 1958-E'81 bt
24008-97	31-4033	Spacer, Drive Sprocket, 45A Charging System, 1.131" x 1.730" x .325", Fatigue Proof, 1970-'99 bt
24008-99A	310-0590	Spacer, Sprocket
24010-54	33-4125	Gear, Pinion, Green, 1954-E'77 bt
24023-54	33-4244	Nut, Pinion Gear, 5/8-24 UNEF-3B LH x .375", Black, Steel, 4140
24038-99A	310-0591	Spacer, Sprocket Shaft
24039-01A	310-0592	Spacer, Sprocket Shaft, Softail
24040-78	33-4141	Gear, Pinion, Orange, L1977-'89 bt
24041-78	33-4142	Gear, Pinion, White, L1977-'89 bt
24042-78	33-4143	Gear, Pinion, Yellow, L1977-'89 bt
24043-78	33-4144	Gear, Pinion, Red, L1977-'89 bt
24044-78	33-4145	Gear, Pinion, Blue, L1977-'89 bt
24045-78	33-4146	Gear, Pinion, Green, L1977-'89 bt
24046-78	33-4147	Gear, Pinion, Black, L1977-'89 bt
24056-86	33-4152	Gear, Pinion, Blue, 1986-'87 xl
24056-91	33-4162	Gear, Pinion, Blue, 1991-'99 xl
24057-86	33-4153	Gear, Pinion, Red, 1986-'87 xl
24057-91	33-4163	Gear, Pinion, Red, 1991-'99 xl
24058-86	33-4154	Gear, Pinion, White, 1986-'87 xl
24058-91	33-4164	Gear, Pinion, White, 1991-'99 xl
24059-86	33-4155	Gear, Pinion, Green, 1986-'87 xl
24059-91	33-4165	Gear, Pinion, Green, 1991-'99 xl
24060-86	33-4156	Gear, Pinion, Yellow, 1986-'87 xl
24060-91	33-4166	Gear, Pinion, Yellow, 1991-'99 xl
24275-86A	34-7800	Connecting Rod, Set, Heavy Duty, ABC, .792" WP, 6.926", 1986-'99 xl
24281-41A	34-7004	Connecting Rod, Set, Heavy Duty, IBC, .791" WP, 7.440", 1941-E'81 bt
24281-74A	34-7004	Connecting Rod, Set, Heavy Duty, IBC, .791" WP, 7.440", 1941-E'81 bt
24281-80	34-7013	Connecting Rod, Set, Heavy Duty, IBC, .792" WP, 7.440", 1984-'99 bt
24281-83	34-7013	Connecting Rod, Set, Heavy Duty, IBC, .792" WP, 7.440", 1984-'99 bt
24331-36	34-4507	Bushing, Wristpin, .767" x .895" x .950", Bronze, 1954-up xl
24334-36	34-4007	Bushing, Wristpin, .767" x .895" x 1.077", Bronze, 1941-'99 bt
24341-52A	34-4506	Race, Rear, Connecting Rod, 1957-'99 xl
24345-36A	34-4006	Race, Rear, Connecting Rod, 1941-'99 bt
24346-87A	34-4010	Bearing, Assembly, Connecting Rod, 1.25", 1941-'99 bt
24352-52A	34-4505	Race, Front, Connecting Rod, 1957-'99 xl
24354-87A	34-4521	Bearing, Set, Rod, Standard, Alloy
24356-36A	34-4005	Race, Front, Connecting Rod, 1941-'99 bt
24385-40B	34-4010	Bearing, Assembly, Connecting Rod, 1.25", 1941-'99 bt
24469-83A	31-0000	Crankcase, Assembly, Stock Bore, bt, Alternator, CPS Machining, Natural, 1984-'91
24469-83A	31-0005	Crankcase, Assembly, Stock Bore, bt, Alternator, CPS Machining, Natural, 1992-'99
24469-83C	31-0000	Crankcase, Assembly, Stock Bore, bt, Alternator, CPS Machining, Natural, 1984-'91
24469-83C	31-0005	Crankcase, Assembly, Stock Bore, bt, Alternator, CPS Machining, Natural, 1992-'99
24473-85C	31-0052	Crankcase, Assembly, Stock Bore, bt, Alternator, WBlack, 1984-'91

OEM to VVT Cross Reference Chart



OEM	VVT	DESCRIPTION
24519-55	31-0008	Crankcase, Assembly, Stock Bore, bt, 2B Generator, Natural, 1948-'64
24519-58	31-0008	Crankcase, Assembly, Stock Bore, bt, 2B Generator, Natural, 1948-'64
24519-63	31-0008	Crankcase, Assembly, Stock Bore, bt, 2B Generator, Natural, 1948-'64
24519-65	31-0010	Crankcase, Assembly, Stock Bore, bt, 2B Generator, Natural, 1965-'69
24569-95	31-0055	Crankcase, Assembly, Stock Bore, bt, Alternator, CPS Machining, WBlack, 1992-'99
24571-93	31-0055	Crankcase, Assembly, Stock Bore, bt, Alternator, CPS Machining, WBlack, 1992-'99
24596-99A	106-4039	Crankcase, Assembly, Stock Bore, bt, Alternator, Silver, 1999-2006 except 2006 Dyna™
24597-99A	31-0172	Crankcase, Assembly, Stock Bore, bt, Alternator, WBlack, 1999-2006 except 2006 Dyna™
24599-58A	31-4004	Race, Right, Main Bearing, Standard, 1993-'99 bt
24599-58B	31-4004	Race, Right, Main Bearing, Standard, 1993-'99 bt
24599-93	31-4004	Race, Right, Main Bearing, Standard, 1993-'99 bt
24601-58B	31-4007	Race, Right, Main Bearing, +.005", 1993-1999 bt
24604-00D	31-4085	Bearing, Right, Main, S&S Crankcases 1999-'06 bt, 2000-up Bal bt, 2003-up NB bt
24605-07	310-0593	Bearing, Roller, Pinion Shaft
24623-99B	310-0594	Bearing, Main, 88", 1999 bt
24626-87A	31-4005	Bearing, Assembly, Right, Main, Small/Medium, White, 1958-'99 bt
24628-87A	31-4016	Bearing, Assembly, Right, Main, Small, Green, 1958-'99 bt
24641-36	31-4008	Bushing, Drive Shaft, Oil Pump, Stepped, .424" x .533" x 2.540", Bronze, 1936-1999 bt
24641-87A	31-4017	Bearing, Assembly, Right, Main, Large, Red, 1958-'99 bt
24643-87A	31-4018	Bearing, Assembly, Right, Main, Medium/Large, Blue, 1958-'99 bt
24647-87	31-4055	Bearing, Assembly, Right, Main, Blue
24650-87	31-4056	Bearing, Assembly, Right, Main, Red
24659-87	31-4057	Bearing, Assembly, Right, Main, White
24660-87	31-4058	Bearing, Assembly, Right, Main, Green
24703-54B	33-4289	Spacer, Oil Pump Drive Gear, .740" x .900" x .320", Black, Steel, 1954-'89 bt
24729-74	31-4059	Bearing, Assembly, Left, Main, 1974-03 xl
24754-75	50-8018	Pin, Dowel, .430" x .499", Steel
24754-75A	50-8018	Pin, Dowel, .430" x .499", Steel
24795-48	31-2017	Spacer, Front, Motor Mount, 1948-'65 OHV bt
24806-36	31-2003	Stud, Crankcase Alignment, 5/16-24 UNF x 5.750", Zinc, Steel
24809-30	31-2034	Stud, Crankcase Alignment, 5/16-24 UNF x 6.050", Zinc, Steel
24912-48	106-4795	Tube, Crankcase Breather, Gloss Black, Steel, 1936-'69 bt
24981-66	31-2010	Screen, Crankcase Oil
24981-70	31-2010	Screen, Crankcase Oil
24981-70	31-7008	Screen, Crankcase Oil, 5 Pk
24982-66	31-2011-S	Spring, Crankcase Oil Screen, .040" Wire, .340" x .420" x 1.375", MusicWire, 1953-'99 bt
24982-66	31-2058	Spring, Crankcase Oil Screen, 1953-'99 bt, 10 Pk
24982-70	31-2011-S	Spring, Crankcase Oil Screen, .040" Wire, .340" x .420" x 1.375", MusicWire, 1953-'99 bt
24982-70	31-2058	Spring, Crankcase Oil Screen, 1953-'99 bt, 10 Pk
25216-48	106-3198	Gearcover, Kit, Generator, KN-Series, Ribbed, Stock Pinion Shaft, Natural, 1940-'47 bt
25216-58	31-0240	Gearcover, Kit, Generator, Bushing Style, Stock Style Case, Natural, Cast, 1954-'69 bt
25225-36A	31-2030	Gasket, Gearcover, 1936-'64 bt
25225-36C	106-2072	Gasket, Gearcover, 1965-'69 bt
25225-70C	31-2107	Gasket, Gearcover, Undersized Profile, 1970-'99 bt
25225-93A	106-0232	Gasket, Gearcover, Undersized Profile, 1970-'99 bt, 10 Pk
25225-93A	31-2107	Gasket, Gearcover, Undersized Profile, 1970-'99 bt
25225-93B	106-0232	Gasket, Gearcover, Undersized Profile, 1970-'99 bt, 10 Pk

OEM	VVT	DESCRIPTION
25225-93B	31-2107	Gasket, Gearcover, Undersized Profile, 1970-'99 bt
25244-99A	31-2032-5	Gasket, Gearcover, Black, Paper, 1999-up bt
25244-99A	31-2063	Gasket, Gearcover, 1999-up bt, 10 Pk
25257-80	31-2107	Gasket, Gearcover, Undersized Profile, 1970-'99 bt
25263-86	310-0434	Gasket, Cam Cover, 1986-'90 xl, 5 Pk
25263-90B	310-0433	Gasket, Cam Cover, 1991-2004 xl, 5 Pk
25263-90D	310-0432	Gasket, Cam Cover, 2004-up xl, 5 Pk
25284-11	310-0596	Plate, Cam Support
25300-36	106-5070	Gear, Breather, High Evacuation, 1936-'53 bt
25310-82A	33-4241	Gear, Breather, L1977-'99 bt
25311-90	33-4241	Gear, Breather, L1977-'99 bt
25313-73	33-4246	Gear, Breather, 1948-E'77 bt
25313-77B	33-4241	Gear, Breather, L1977-'99 bt
25320-79	33-1001	Shim, +.110", Steel, 5 Pk
25320-79	33-4201	Shim, Breather Gear, .325" x .740" x .110", Steel
25320-82	33-4203	Shim, Breather Gear, .325" x .740" x .130", Steel
25322-79	33-1002	Shim, Breather Gear, .120", Steel, 5 Pk
25322-79	33-4202	Shim, Breather Gear, .325" x .740" x .120", Steel
25322-82	33-4204	Shim, Breather Gear, .325" x .740" x .140", Steel
25325-79	33-4203	Shim, Breather Gear, .325" x .740" x .130", Steel
25325-82	33-4205	Shim, Breather Gear, .325" x .740" x .150", Steel
25327-79	33-4204	Shim, Breather Gear, .325" x .740" x .140", Steel
25327-82	33-4206	Shim, Breather Gear, .325" x .740" x .160", Steel
25344-99	310-0597	Bushing, Crankshaft
25355-06	310-0608	Sprocket, Kit, Cam Drive
25355-06A	310-0598	Plate, Cam Support
25364-01A	310-0609	Chain, Primary Cam Drive
25367-01A	310-0610	Chain, Secondary Cam Drive
25369-01A	310-0611	Sprocket, Cam Drive, (25728-06), 34 Tooth
25416-70	560-0065	Gasket, Derby Cover, 1970-'83 FL, FXR, 5 Pk
25416-99C	560-0062	Gasket, Derby Cover, 5 Hole, (replaces o-ring), 1999-up bt, 5 Pk
25416-99C	560-0074	Gasket, Derby Cover, 5 Hole, (replaces o-ring), 1999-up bt
255	50-8025	Pin, Roll, Coiled, .120" x .500", Steel
2551W	50-0018	Screw, HHCS, 1/4-20 x 1", Zinc, Steel
25522-36	106-3676	Camshaft, 346, 1936-'47 OHV bt
25523-48	330-0164	Camshaft, H-Grind, Stock, 1948-'57 bt
25523-56	330-0164	Camshaft, H-Grind, Stock, 1948-'57 bt
25523-69	330-0170	Camshaft, H-Grind, S&S Crankcases 1948-'69 bt, Stock 1958-'69 bt
25523-70	330-0165	Camshaft, H-Grind, Stock, 1970-'77 bt
25523-78	330-0166	Camshaft, H-Grind, Stock, 1978-'84 bt
25550-36	33-1007	Washer, Cam, Thrust, .820" x 1.060" x .050", Steel, 5 Pk
25550-36	33-5200	Washer, Cam, Thrust, .820" x 1.060" x .050", Steel
25550-57A	33-5201	Washer, Cam, Lock, .062", Steel, 1958-'99 bt
25550-57A	33-5213	Washer, Cam, Lock, .062", Steel, 5 Pk
25551-36	33-1008	Washer, Cam, Thrust, .820" x 1.060" x .055", Steel, 5 Pk
25551-36	33-5202	Washer, Cam, Thrust, .820" x 1.060" x .055", Steel
25551-58	33-5210	Washer, Cam, Thrust, Double, .062", Steel
25551-58	33-5210P	Washer, Cam, Thrust, Double, .062", Steel, 2 Pk
25552-36	33-1009	Washer, Cam, Thrust, .820" x 1.060" x .060", Steel, 5 Pk
25552-36	33-5203	Washer, Cam, Thrust, .820" x 1.060" x .060", Steel
25553-36	33-1010	Washer, Cam, Thrust, .820" x 1.060" x .065", Steel, 5 Pk
25553-36	33-5204	Washer, Cam, Thrust, .820" x 1.060" x .065", Steel
25554-36	33-1011	Washer, Cam, Thrust, .820" x 1.060" x .070", Steel, 5 Pk
25554-36	33-5205	Washer, Cam, Thrust, .820" x 1.060" x .070", Steel

OEM to VVT Cross Reference Chart

OEM	VVT	DESCRIPTION
25555-36	33-1012	Washer, Cam, Thrust, .820" x 1.060" x .075", Steel, 5 Pk
25555-36	33-5206	Washer, Cam, Thrust, .820" x 1.060" x .075", Steel
25556-36	33-1013	Washer, Cam, Thrust, .820" x 1.060" x .080", Steel, 5 Pk
25556-36	33-5207	Washer, Cam, Thrust, .820" x 1.060" x .080", Steel
25556-36	330-0380	Tappet, Hydraulic, Roller, 1953-'84 bt, 4 Pk
25558-36	33-1014	Washer, Cam, Thrust, .820" x 1.060" x .090", Steel, 5 Pk
25558-36	33-5209	Washer, Cam, Thrust, .820" x 1.060" x .090", Steel
25566-06	50-0100	Screw, HHC, Flanged, Gr8, 5/16-18 x 3/4", Black, Steel
25581-36	31-4025	Bushing, Cam, Bronze, 1936-'69 bt
25581-70	31-4019	Bushing, Cam, Bronze, 1970-'99 bt
25582-36	31-4029	Bushing, Pinion Shaft, Bronze, 1936-'53 bt
25582-54A	31-4020	Bushing, Pinion Shaft, Bronze, 1954-'72 bt
25582-73	31-4031	Bushing, Pinion Shaft, Bronze, 1973-'92 bt
25582-93	31-4031	Bushing, Pinion Shaft, Bronze, 1973-'92 bt
25586-37	31-4037-S	Bushing, Cam, #1/3/4, Bronze, 1957-up xl
25588-57	31-4036-S	Bushing, Cam, #2, Bronze, 1957-'90 xl
25593-74	106-2928	Bushing, Pinion Shaft, Stepped, 1986-'03 xl
25595-06	330-0293	Camshaft, Set, Chain Drive, 474C, 2006 Dyna, 2007-up bt
25607-99	310-0615	Chain, Secondary Cam Drive, (25607-99)
25609-99	310-0613	Sprocket, Kit, Cam Drive
25610-99	310-0614	Chain, Primary Cam Drive, (25610-99)
25673-06	310-0608	Sprocket, Kit, Cam Drive
25675-06	310-0609	Chain, Primary Cam Drive
25683-06	310-0610	Chain, Secondary Cam Drive
25716-99	310-0612	Sprocket, Cam Drive, (25716-99), 34 Tooth
25728-06	310-0611	Sprocket, Cam Drive, (25728-06), 34 Tooth
25775-36	33-4216	Gear, Idler, 1936-'69 bt
25791-36	31-2039	Shaft, Idler Gear, .5556" x 1.8760", AISI 8620H, 1936-'69 bt
25794-36	50-0013	Screw, SHCS, 1/4-20 x 2", Zinc, ASTM A574-92A
25850-36A	33-4215	Gear, Assembly, Circuit Breaker, 1936-'69 bt
25856-36	31-2037	Shaft, Circuit Breaker Drive Gear, 1936-'69 bt
26037-06	310-0599	Oil Pump, Assembly, (26037-06)
26037-06	310-0599	Oil Pump, Assembly, (26037-06)
26072-99	310-0442	Gasket, Oil Pan, 2007 up Dyna
26072-99	310-0443	Gasket, Oil Pan, 2007 up Dyna, 10 Pk
26077-99	310-0440	Gasket, Oil Pan, 2007-up FL
26077-99	310-0441	Gasket, Oil Pan, 2007-up FL, 10 Pk
26085-99A	560-0097	Pan, Oil, Silver, 2007 Dyna
2611B	50-0311-S	Screw, SLTD Panhead, 10-32 x 3/4", Brass
26204-91A	106-5368	Oil Pump, Assembly, Stock, 1991-up xl
26207-83	31-6018	Spring, Relief Valve, .040" Wire, .242" x .324" x 2.32", ASTM A-229, 1936-'99 bt
26207-83	31-6084	Spring, Relief Valve, 1936-'99 bt, 10 Pk
26227-58	31-6005	Seal, Oil Pump Drive Shaft, 1968-up bt
26261-99	31-6510	Bracket, Assembly, Oil Filter, Polished, 1999-up bt
26262-80	31-6022	Spring, Check Valve, .020" Wire, .265" x .319" x 1.940", Music Wire, 1936-'99 bt
26262-80	31-6092	Spring, Check Valve, 1936-'99 bt, 10 Pk
26263-80	31-6021	Screw, Oil Pump/Check Valve/Relief Valve, Bright Zinc Plated, Steel
26263-80	31-7005	Screw, Oil Pump/Check Valve/Relief Valve, Bright Zinc Plated, Steel, 5 Pk
26273-80B	310-0386	Gasket, Oil Pump Body, Stock, Paper, 1984-'91 bt
26273-80B	310-0394	Gasket, Oil Pump Body, Paper, 1984-'91 bt, 10 Pk
26273-92	310-0387	Gasket, Oil Pump Body, Stock, Paper, 1992-'99 bt
26273-92	310-0395	Gasket, Oil Pump Body, Paper, 1992-'99 bt, 10 Pk
26276-80A	310-0388	Gasket, Oil Pump Cover, Stock, Paper, 1984-'91 bt

OEM	VVT	DESCRIPTION
26276-80A	310-0396	Gasket, Oil Pump Cover, Paper, 1984-'91 bt, 10 Pk
26276-92	310-0389	Gasket, Oil Pump Cover, Stock, Paper, 1992-'99 bt
26276-92	310-0397	Gasket, Oil Pump Cover, Paper, 1992-'99 bt, 10 Pk
26315-68A	31-6013	Gear, Return Drive, 1968-'99 bt
26317-68A	31-6014	Gear, Return Idler, 1968-'99 bt
26318-75	33-4228	Gear, Pinion, Oil Pump Drive, 1977-'87 xl
26320-36	31-6015	Gear, Supply Drive, 1936-up bt
26326-62A	31-6016	Gear, Idler, 1962-'67 ret, 1968-'99 supply ohbt
26327-68	31-6004	Shaft, Idler, .4243" x 1.3350", Cold Drawn Steel, AISI 1215, 1968-'99 bt
26328-74	31-6015	Gear, Supply Drive, 1936-up bt
26338-68	106-2682	Fitting, Pipe, 90°, Male/Female, 1/8-27 NPTF x .500", Zinc Plated, Steel
26338-68	50-1007	Fitting, Pipe, 90°, Male/Female, 1/8-27 NPTF x .500", Zinc, Steel, 5 Pk
26338-68	50-8280	Fitting, Pipe, 90°, Male/Female, 1/8-27 NPTF x .500", Zinc, Steel, 2 Pk
26338-68A	106-2682	Fitting, Pipe, 90°, Male/Female, 1/8-27 NPTF x .500", Zinc Plated, Steel
26338-68A	50-1007	Fitting, Pipe, 90°, Male/Female, 1/8-27 NPTF x .500", Zinc, Steel, 5 Pk
26345-73	33-4230	Gear, Pinion, Oil Pump Drive, 24 Tooth, 1973-'99 bt
26346-70	31-6011	Shaft, Drive, Oil Pump, .4223" x 4.650", Cold Drawn Steel, AISI 1146, 1968-'99 bt
26347-15	50-8220-S	Key, Woodruff, .094" x .313" x .311", Steel
26347-15	50-8229	Key, Woodruff, .094" x .313" x .311", Steel, 10 Pk
26348-15	50-8229	Key, Woodruff, .094" x .313" x .311", Steel, 10 Pk
26348-36	50-8058	Retaining Ring, Oil Pump Drive Shaft, SAE 1060-1090
26348-36	50-8106	Retaining Ring, External, .382" x .021", 10 Pk
26349-54	33-4237	Gear, Pinion, Oil Pump Drive, 6 Tooth, 1936-'53 bt
26349-73	33-4232	Gear, Pinion, Oil Pump Drive, 6 Tooth, 1954-'89 bt
26349-73A	33-4232	Gear, Pinion, Oil Pump Drive, 6 Tooth, 1954-'89 bt
26352-95A	106-0618	Fitting, Straight, 3/4-16 UNF 2A, 5 Pk
26352-95A	50-8197-S	Fitting, Straight, 3/4-16 UNF 2A x 1", Steel
26362-36	31-6021	Screw, Oil Pump/Check Valve/Relief Valve, Bright Zinc Plated, Steel
26362-36	31-7005	Screw, Oil Pump/Check Valve/Relief Valve, Bright Zinc Plated, Steel, 5 Pk
26363-36	31-6022	Spring, Check Valve, .020" Wire, .265" x .319" x 1.940", Music Wire, 1936-'99 bt
26363-36	31-6092	Spring, Check Valve, 1936-'99 bt, 10 Pk
26363-56	31-6022	Spring, Check Valve, .020" Wire, .265" x .319" x 1.940", Music Wire, 1936-'99 bt
26363-56	31-6092	Spring, Check Valve, 1936-'99 bt, 10 Pk
26383-32	31-6026	Screw, Chain Oiler, Zinc, Steel
26400-82	31-6082	Valve, Pressure Relief, Oil Pump, 1984-'99 bt
26400-82B	31-6082	Valve, Pressure Relief, Oil Pump, 1984-'99 bt
26432-76A	50-8034	O-ring, Oil Return, (-015), .562" ID x .068" OD, Black, Viton, 1984-'99 bt, 2 Pk
26432-76A	50-8034-S	O-ring, (-015), .562" ID x .068" OD, Black, Viton
26488-98	106-5368	Oil Pump, Assembly, Stock, 1991-up xl
26552-72	550-0395	Switch, Oil Pressure, 1941-'84 bt
26554-77	550-0403	Switch, Oil Pressure, 1977-'13 xl, 2006-'08 Buell
26554-77A	550-0403	Switch, Oil Pressure, 1977-'13 xl, 2006-'08 Buell
26554-77B	550-0403	Switch, Oil Pressure, 1977-'13 xl, 2006-'08 Buell
26557-83	550-0398	Switch, Vacuum, w/ Connector Assm, '84-'90 FXR
26558-84	550-0397	Switch, Vacuum, w/ Connector Assm, '84-'90 FXST, '86-89 FLT
26561-81A	106-2682	Fitting, Pipe, 90°, Male/Female, 1/8-27 NPTF x .500", Zinc Plated, Steel
26561-81A	50-1007	Fitting, Pipe, 90°, Male/Female, 1/8-27 NPTF x .500", Zinc, Steel, 5 Pk
26561-81A	50-8280	Fitting, Pipe, 90°, Male/Female, 1/8-27 NPTF x .500", Zinc, Steel, 2 Pk
26561-84	31-2016	Switch, Assembly, Oil Pressure, 1984-'99 bt
26561-84	550-0400	Switch, Oil Pressure, 1984-'99 bt
26561-84A	106-2682	Fitting, Pipe, 90°, Male/Female, 1/8-27 NPTF x .500", Zinc Plated, Steel

OEM to VVT Cross Reference Chart



OEM	VVT	DESCRIPTION
26561-84A	50-1007	Fitting, Pipe, 90°, Male/Female, 1/8-27 NPTF x .500", Zinc, Steel, 5 Pk
26561-84A	50-8280	Fitting, Pipe, 90°, Male/Female, 1/8-27 NPTF x .500", Zinc, Steel, 2 Pk
26561-99	550-0405	Switch, Oil Pressure
26566-91	550-0399	Switch, Vacuum, w/ Connector Assm, '91-'95 FXST, FLST, Dyna, FXR
2674	106-0913	Screw, SHC, 10-24 x 3/4", Chrome
2675	106-0913	Screw, SHC, 10-24 x 3/4", Chrome
26856-89	90-4030	Seal, Umbrella Valve Cover
26856-89A	90-4030	Seal, Umbrella Valve Cover
26858-99	900-0495	Seal, Umbrella Valve Cover, 1999-2013 bt
26992-99	16-0236	Seal, Intake, Stock Heads, 1984-up bt, 1986-up xl
26992-99	16-0244	O-ring, Manifold, Stock Ports, 1.780" ID x 2.050" OD, Black, Viton, 10 Pk
26995-86A	16-0236	Seal, Intake, Stock Heads, 1984-up bt, 1986-up xl
26995-86A	16-0244	O-ring, Manifold, Stock Ports, 1.780" ID x 2.050" OD, Black, Viton, 10 Pk
26995-86B	16-0236	Seal, Intake, Stock Heads, 1984-up bt, 1986-up xl
26995-86B	16-0244	O-ring, Manifold, Stock Ports, 1.780" ID x 2.050" OD, Black, Viton, 10 Pk
27002-89	16-0242	U-ring, Manifold, 40mm Stock CV/42mm Mikuni,
27009-86A	16-0232	Flange, Front, Manifold, 1984-2005 bt, 1986-2006 xl
27009-86A	16-0600	Flange, Front, Manifold, 1984-2005 bt, 1986-2006 xl, 5 Pk
27010-86A	16-0233	Flange, Rear, Manifold, 1984-2005 bt, 1986-2006 xl
27010-86A	16-0601	Flange, Rear, Manifold, 1984-2005 bt, 1986-2006 xl, 5 Pk
27019-89	16-1736	Manifold, CV Carb, S&S Ports, 1-7/8", #410, Natural, 1984-'99 bt
27019-89A	16-1736	Manifold, CV Carb, S&S Ports, 1-7/8", #410, Natural, 1984-'99 bt
27021-71A	16-1200	Manifold, O-ring, 1-7/8", #220, Natural, 1957-'78 bt, xl
27021-78	16-1300	Manifold, Band, 1-7/8", #220, Natural, 1979-'84 bt, xl
27060-55	50-8046	O-ring, (-326), 1.625" ID x 2" OD, Black, Viton
27060-55	50-8132	O-ring, (-326), 1.625" ID x 2" OD, Black, Viton, 10 Pk
27062-78	16-0238	Seal, Manifold, Band Style, 2.010" x 2.315" x .7870", Buna, 1979-'84 bt, 1979-'85 xl
27062-78	16-0245	Seal, Manifold, Band Style, 1979-'84 bt, 1979-'85 xl, 10 Pk
27063-57	16-0230	Clamp, Manifold, O-ring Style
27063-78	16-0231	Clamp, Manifold, Band Style
27063-80	16-0231	Clamp, Manifold, Band Style
2708	50-0101	Screw, SHC, 5/16-18 x 1", Zinc, ASTM A574-92A
2720	50-0044	Screw, SHCS, 10-24 x 1", Alloy Steel
2720	50-0194	Screw, SHCS, 10-24 x 1", 10 Pk
27221-95	50-0485	Tube, Fuel Inlet, 45° Bend, 5/16" x .028", Stainless Steel
27237-95	50-8137-S	O-ring, (-109), .299" ID x .500" OD, Viton
27270-95	55-5041	Sensor, Kit, Temperature, Intake Air
27271-95	55-5058	Sensor, Kit, Throttle Position, VFI
27369-76	19-0262-S	Hose, Overflow, .125" x .250" x 24", Plastic, Duro 68A
27369-76	19-0263	Hose, Overflow, .125" x .250" x 24", 5 Pk
27381-06	310-0600	Sensor, Kit, Temperature, Intake Air, EFI
27444-00Y	550-0386	Shaft, Starter Motor, Oil Seal, '06-up Dyna, '07-up 5 Pk
27444-00Y	550-0387	Shaft, Starter Motor, Oil Seal, '06-up Dyna, '07-up
27444-00Y	560-0076	Seal, Starter Motor Shaft, 2006 Dyna, 2007-up bt, 5 Pk
2759	50-0015	Screw, SLTD RH, 1/4-20 x 1/2", Zinc, Steel
27609-01	550-0409	Fuel Injector, 01-05 Touring, 04-05 Dyna/SE, 08-13 Touring
27609-01A	550-0409	Fuel Injector, 01-05 Touring, 04-05 Dyna/SE, 08-13 Touring
27609-01B	550-0409	Fuel Injector, 01-05 Touring, 04-05 Dyna/SE, 08-13 Touring
27609-04	550-0409	Fuel Injector, 01-05 Touring, 04-05 Dyna/SE, 08-13 Touring
27613-99	160-1722	Manifold, CV Carb, SS Ports, 1-7/8", #410, Natural, 1999-up bt
27628-01	55-5085	Motor, Kit, Idle Air Control, EFI

OEM	VVT	DESCRIPTION
27628-01A	55-5085	Motor, Kit, Idle Air Control, EFI
27629-01	550-0408	Sensor, Throttle Position, 01-05ST, 02-05Trg, 04-05Dyna, 04-05SE, 07-13xl
27658-06	550-0406	Motor, Idle Air Control, '06-'07 Touring, '06-13 Dyna & Softail
27659-06	550-0407	Sensor, Throttle Position, '06-up bt ext TBW
2872W	50-0080	Screw, HHC, Gr5, 1/4-20 x 1-1/2", Zinc, Steel
29036-88B	106-4633	Filter, Air, 1986-'03 xl
29062-95B	106-6022	Gasket, Backplate, 1991-up xl/bt
29330-96	106-4632	Filter, Air, Carb, 1990-'99 bt
29331-04	106-4635	Filter, Air, 2004-'09 xl
29331-96	106-4633	Filter, Air, 1986-'03 xl
29461-99	106-4630	Filter, Air, Carb/EFI, 2001-'08 Softail EFI, 2002-'07
29462-99	106-4631	Filter, Air, 1999-2001 EFI
29645-08	106-2643	Gasket, Throttle Body, Throttle by Wire, 2008-Up Touring, 2009-up Tri-Glide, 2011-up Softail CVO
29645-08	106-2664	Gasket, Throttle Body, Throttle by Wire, 2008-Up Touring, 2009-up Tri-Glide, 2011-up Softail CVO, 10 Pk
29943-06	550-0331	Rotor, Assembly, 2006 FLH, FLT
29950-91	31-2050	Cover, Stator Wire, 1991-'03 xl
29951-99	550-0360	Stator, 32A, 2000 Softail, 1999-'03 Dyna
29957-81B	550-0361	Rotor, Assembly, 1984-'94 bt, 1995-2003 w
29965-75	550-0323	Stator, 18A, 1976-1980 bt
29965-81A	550-0357	Stator, 22A, 1981-1988 bt
29967-89	550-0359	Stator, 1991-2006 xl
29970-88	550-0358	Stator, 32A, 1989-1999 bt
29975-65A	550-0326	Generator, 65A, 12V, 1965-1981 bt
29981-95	550-0362	Rotor, Assembly, '95-'05 FLH, FLT w/38a, 0
29987-02	550-0317	Stator, 38-48A, 2002-2005 FLH, FLT
29987-06A	550-0356	Stator, 50A, 2006-2013 FLH, FLT
29987-97	550-0325	Stator, 38-48A, 1997-1998 FLH, FLT
29987-99	550-0318	Stator, 38-48A, 1999-2001 FLH, FLT
29997-07	550-0333	Stator, 2007-2013 xl
29999-97B	550-0324	Rotor, Assembly, w/ 48A, 1999-2005 FLH, F
30017-01	550-0345	Stator, 38A, 2001-'06 Softail, 2004-'06
30017-07	550-0354	Stator, 47A, 2007 Softail/Dyna
30017-08	550-0355	Stator, 47A, 2008-2013 Softail/Dyna
30041-08	550-0334	Rotor, Assembly, 2011-2013 Touring, 2012-
30143-30	560-0089	Gasket, Generator Mounting, 1936-1957 bt, 10 Pk
30143-58	560-0090	Gasket, Generator Mounting, 1958-'83 XL, XLH, XLCH, CLS, FL, 5 Pk
30801-47	550-0393	Condenser, 1970-'78 FLH, FX
31-1012NS	31-1012	Crankcase, Assembly, 4" Bore, xl/Buell, SA, 1986-'90 Cam Geometry, Natural, 1986-2003
31320-80	560-0083	Gasket, Starter Housing, 1980-1986 bt, 10 Pk
31321-80	560-0084	Gasket, Starter Cover, 1980-1986 bt, 10 Pk
31390-86	550-0280	Starter, Motor, 1.4KW, Chrome, 1981-'13 xl, '83-'85xlk1000, '83-'84 xl1000
31390-86	550-0370	Starter, Motor, 1.4KW, Black, 1981-'13 xl, xlh, 83-85 xlk1000,
31390-91	550-0280	Starter, Motor, 1.4KW, Chrome, 1981-'13 xl, '83-'85xlk1000, '83-'84 xl1000
31390-91	550-0370	Starter, Motor, 1.4KW, Black, 1981-'13 xl, xlh, 83-85 xlk1000,
31443-65A	550-0374	Starter Clutch, 1967-'80 xl, 1965-'88 bt
31458-66	550-0283	Starter, Motor, Prestolite, Black, 1966-1982 FL
31458-66	550-0284	Starter, Motor, Prestolite, Chrome, 1966-'82 FL, xl
31488-81B	560-0088	Gasket, Starter, 1986-up xl, 10 Pk
31489-79B	550-0390	Solenoid, Starter, Dual Bracket, 5 Spd, Zinc, 1965-'84 bt
31504-91A	550-0396	Relay, Starter, 1991-08 Touring, 95-99 Dyna&ST, 93-04 xl

OEM to VVT Cross Reference Chart

OEM	VVT	DESCRIPTION
31504-91B	550-0396	Relay, Starter, 1991-08 Touring, 95-99 Dyna&ST, 93-04 xl
31511-01A	550-0418	Relay, EFI System, w/ Delphi Type Fuel Injection
31522-00	550-0404	Relay, Starter, 2007-'10 Softail, '07-'11 Dyna
31522-00B	550-0404	Relay, Starter, 2007-'10 Softail, '07-'11 Dyna
31522-00C	550-0404	Relay, Starter, 2007-'10 Softail, '07-'11 Dyna
31533-81	550-0280	Starter, Motor, 1.4KW, Chrome, 1981-'13 xl, '83-'85xlk1000, '83-'84 xl1000
31533-81	550-0370	Starter, Motor, 1.4KW, Black, 1981-'13 xl, xlh, 83-85 xlk1000,
31544-90	550-0372	Starter Clutch, w/ Bearing, 1989-1990 bt
31558-94	550-0276	Starter, Motor, 1.4KW, Black, 1989-2006 bt includes special bolt for 89-93 applications
31558-94	550-0277	Starter, Motor, 1.4KW, Chrome, 1989-2006 bt includes special bolt for 89-93 applications
31559-99	550-0276	Starter, Motor, 1.4KW, Black, 1989-2006 bt includes special bolt for 89-93 applications
31559-99	550-0277	Starter, Motor, 1.4KW, Chrome, 1989-2006 bt includes special bolt for 89-93 applications
31567-81	550-0402	Starter Drive, 1981-'90 xl
31570-73	550-0281	Starter, Motor, Hitachi Type, Chrome, 1974-1988 bt, xlh
31570-73	550-0282	Starter, Motor, Hitachi Type, Black, 1974-1988 bt, xlh
31601-65	550-0420	Coil, Ignition, Dual Fire, 6V Points, 1.3 ohm
31-6040	31-6048	Oil Pump, Assembly, Body, Polished, Billet, 1936-'69 bt
31-6041	31-6059	Cover, Oil Pump, Universal, Billet, 1936-'91 bt
31-6042	31-6050	Oil Pump, Assembly, Body, Polished, Billet, 1970-'91 bt
31-6043	31-6051	Oil Pump, Assembly, Body, Polished, Billet, 1992-up bt
31-6045	31-6060	Cover, Oil Pump, Custom, Billet, 1936-'91 bt
31609-65A	550-0421	Coil, Ignition, Dual Fire, Points, 5 ohm, 1965-'79 bt
31609-80	550-0422	Coil, Ignition, Dual Fire, 4 ohm, 1980-'E84 bt
31614-83	550-0500	Coil, Ignition, Dual Fire, 3 ohm, 1984-'99 bt/xl
31614-83A	550-0500	Coil, Ignition, Dual Fire, 3 ohm, 1984-'99 bt/xl
31621-06	550-0273	Starter, Motor, 1.4KW, Black, 2006-up Dyna, 2007-up bt
31621-06	550-0274	Starter, Motor, 1.4KW, Chrome, 2006-up Dyna, 2007-up bt
31621-06A	550-0273	Starter, Motor, 1.4KW, Black, 2006-up Dyna, 2007-up bt
31621-06A	550-0274	Starter, Motor, 1.4KW, Chrome, 2006-up Dyna, 2007-up bt
31-6250	31-6200	Oil Pump, Kit, Universal, Polished, Billet, 1936-'69 bt
31-6251	31-6200	Oil Pump, Kit, Universal, Polished, Billet, 1936-'69 bt
31-6306	31-6308	Rebuild Kit, Oil Pump, Gasket, HVHP, 1984-'91 bt
31655-99	55-1576	Coil, Ignition, Single Fire, 1/2 ohm
31656-07	550-0423	Coil, Ignition, EFI, 2007-'13 xl
31663-90	550-0371	Starter Clutch, w/ Bearing, 1991-2006 bt
31663-90	550-0401	Starter Drive, 1991-'02 xl
31681-07	550-0373	Starter Clutch, w/ Bearing, 2009-up bt
31696-07A	550-0424	Coil, Ignition, EFI, 2007-'13 bt
31743-01	550-0499	Coil, Ignition, EFI, 2001-'06 bt
3201WA	50-0101	Screw, SHC, 5/16-18 x 1", Zinc, ASTM A574-92A
3210A	50-0121	Screw, SHC, 5/16-18 x 1-1/4", Zinc, ASTM A574-92A
3228	106-5039	Screw, HHC, 5/16-18 x 3/4", Zinc
32311-83	55-1321	Spark Plug, Resistor, 14mm
32311-83	55-1323	Spark Plug, Resistor, 14mm, 2 Pk
32316-99	55-1037	Sensor, Kit, MAP, IST™, w/ VOES fitting
32317-86A	55-1320	Spark Plug, Resistor, 12mm
32317-86A	55-1322	Spark Plug, Resistor, 12mm, 2 Pk
32342-04	55-1321	Spark Plug, Resistor, 14mm
32342-04	55-1323	Spark Plug, Resistor, 14mm, 2 Pk
32362-04	55-1320	Spark Plug, Resistor, 12mm

OEM	VVT	DESCRIPTION
32362-04	55-1322	Spark Plug, Resistor, 12mm, 2 Pk
32400-80A	550-0410	Sensor, Cam Position, 80-93 FLT, 80-94 FXR/xl, 84-85 FXST
32400-94	550-0412	Sensor, Cam Position, 94-95 FLT, 95-97 xl, 98-03 xl 1200S
32401-80	55-1247	Cup, Kit, Rotor, Ignition, Super Stock
32402-83	55-1247	Cup, Kit, Rotor, Ignition, Super Stock
32404-90	550-0411	Sensor, Cam Position, 1991-'95 Dyna
32416-10	55-5057	Sensor, MAP, IST™
32417-10	55-5057	Sensor, MAP, IST™
32424-98	55-5057	Sensor, MAP, IST™
32446-99	55-1014	Sensor, Temperature, Cylinder Head, 4-1/8" 1984-'99 bt, 1999-up bt
32504-80	31-0215	Ignition Cover, Inner, Flanged Gearcover, 1970-'99 bt
32531-36	33-4217	Gear, Circuit Breaker, 1936-'69 bt
32591-70	31-0225	Gasket, Ignition Cover, 1970-'99 bt
32591-70	31-0260	Gasket, Ignition Cover, 1970-'99 bt, 10 Pk
32591-80	31-0225	Gasket, Ignition Cover, 1970-'99 bt
32591-80	31-0260	Gasket, Ignition Cover, 1970-'99 bt, 10 Pk
32606-82	31-0224	Screw, Timing Mechanism, Steel
32606-82	31-0224P	Screw, Timing Mechanism, Steel, 2 Pk
32661-70	550-0392	Points, 1970-'78 FLH, FX
32707-01B	55-1051	Sensor, Kit, Crank Position, 1984-2007 bt
32707-01C	55-1051	Sensor, Kit, Crank Position, 1984-2007 bt
32726-30A	550-0393	Condenser, 1970-'78 FLH, FX
3275	50-0302	Screw, SHCS, 5/16-18 x 3/4", 10 Pk
3275	50-0302-S	Screw, SHCS, 5/16-18 x 3/4", Zinc, ASTM A574-92A
33114-79	56-1067	Guide, Shifter Shaft, 5 Speed Rigid Mount, 1986-'99 bt
33119-79B	56-1002	Screw, Shift Lever Adjust, 5 Speed, Black, bt
33125-89	560-0116	Lock Tab, Starter Shaft Bolt, Starter Motor, 1989-'90 bt, 10 Pk
33126-90	560-0117	Lock Tab, Starter Shaft Bolt, Starter Motor, 1990-'92 bt, 10 Pk
33126-93	560-0118	Lock Tab, Starter Shaft Bolt, Starter Motor, 1993 bt Only, 10 Pk
33126-94	560-0119	Lock Tab, Starter Shaft Bolt, Starter Motor, 1994-up bt, 10 Pk
33277-36	106-6479-00	Cover, Kit, Transmission Kick Start, Stock '40-'86 bt
33277-36	106-6479-G6	Cover, Kit, Transmission Kick Start, G6 Date Code, Stock 1940-'47 bt
33277-36	106-6479-J7	Cover, Kit, Transmission Kick Start, J7 Date Code, Stock 1948-'50 bt
33277-36A	106-6479-00	Cover, Kit, Transmission Kick Start, Stock '40-'86 bt
33277-36A	106-6479-G6	Cover, Kit, Transmission Kick Start, G6 Date Code, Stock 1940-'47 bt
33277-36A	106-6479-J7	Cover, Kit, Transmission Kick Start, J7 Date Code, Stock 1948-'50 bt
33290-38	106-6473	Bushing, Lower, Clutch Arm, Transmission Cover, Kick Start, Stock 1937-'50 bt
33291-36	106-6474	Bushing, Upper, Clutch Arm, Transmission Cover, Kick Start, Stock 1937-'50 bt
33295-36	560-0012	Gasket, Cover, Transmission Kick Start, Stock 1937-'50 bt
33318-85	560-0114	Lock Tab, Inner, Primary Cover, 1987-up bt, 10 Pk
33320-98	560-0188	Shifter Cam, 5 Speed
33344-94	560-0196	Spacer, Sprocket, 1994-2006 bt
33-5301BLK	33-5324	Tappet Guide, Set, Stock Style, WBlack, Cast, 1984-'99 bt
33-5301FBLK	33-5324F	Tappet Guide, Front, Stock Style, WBlack, Cast, 1984-'99 bt
33-5301RBLK	33-5324R	Tappet Guide, Rear, Stock Style, WBlack, Cast, 1984-'99 bt
33-5309BLK	33-5325	Tappet Guide, Set, S&S Crankcase, SA Style, Wrinkle Black, Cast, 1984-'99 bt
337	50-8171	Pin, Dowel, .312" x 1", Steel
33902-98	560-0197	Switch, Neutral Indicator, w/ O-ring, 1998-2000 bt
34088-87	560-0190	Shaft, Shifter Fork, 94-06bt
34091-85	560-0206	Race, Inner, Bearing
34091-85A	560-0206	Race, Inner, Bearing
3427	50-0117	Screw, HHC, Gr8, 5/16-18 x 3-1/2", Zinc, Steel



OEM	VVT	DESCRIPTION
3430	50-0119	Screw, HHC, Gr8, 5/16-24 x 5", Zinc, Steel
34464-98	560-0199	Cover, Upper, Transmission, Polished, 1998-'06 Touring, '98-'99 Softail
34468-98A	56-5115	Cover, Transmission Top, S&S 6 Speed, Chrome, Cast, 1991-'99 Softail, 1991-2000 FLT
34544-00	560-0198	Cover, Upper, Transmission, Wrinkle Black, 2000-'06 Softail, '01-'06 Touring
34732-89A	56-1047	Transmission Case, Assembly, 5 Speed, w/ Bearings & Seals, Wrinkle Black, 1989-'99 bt
34732-96	56-1047	Transmission Case, Assembly, 5 Speed, w/ Bearings & Seals, Wrinkle Black, 1989-'99 bt
3477	106-3634	Screw, Valve Spring Covers, Stock 1936-'47 OHV bt & KN-Series
3480A	50-0010-S	Screw, SHCS, 1/4-20 x 1-3/4", Zinc
3482A	50-0008	Screw, SHCS, 1/4-20 x 1-1/4", Zinc
34901-07	560-0047	Gasket, Outer, Primary Cover, 2007-up FL
34901-07	560-0048	Gasket, Outer, Primary Cover, 2007-up FL, 5 Pk
34901-79A	560-0055	Gasket, Outer, Primary Cover, 1980-'93 FLT, FXR, 5 Pk
34901-79A	560-0093	Gasket, Outer, Primary, 1980-'93 FLT, FXR
34901-94A	560-0053	Gasket, Outer, Primary Cover, 1994-2006 FLT, FXR
34901-94A	560-0054	Gasket, Outer, Primary Cover, 1994-2006 FLT, FXR, 5 Pk
34904-86D	56-5107-S	Gasket, Top Cover, Transmission, 6 Speed, 1991-2006 Softail, FLT
34906-79A	560-0067	Gasket, Inspection Cover, 1980-'84 FXR, FLT, 5 Pk
34906-85A	560-0066	Gasket, Inspection Cover, 1985-'06 FXR, FLT, 5 Pk
34917-06	560-0175	Gasket, Top Cover, Transmission, 2007-up bt
34934-06	560-0051	Seal, Inner Primary, 2006 Dyna, 2007-up bt
34955-04	560-0059	Gasket, Outer, Primary Cover, 2004-up xl, 5 Pk
34955-75X	560-0061	Gasket, Outer, Primary Cover, 1977-'90 xl, 5 Pk
34955-89A	560-0060	Gasket, Outer, Primary Cover, 1991-'03 xl, 5 Pk
34986-04	560-0068	Gasket, Inspection Cover, 2004-up xl, 5 Pk
3501	50-0123	Screw, HHC, Flanged, 5/16-18 x 2-1/2", Zinc, Steel
3501A	50-0104	Screw, HHC, Gr8, 5/16-18 x 2-1/2", Zinc, Steel
3501A	50-1000	Screw, HHCS, 5/16-18 x 2-1/2", 5 Pk
35021-89	50-8053	Retaining Ring, Internal, 2.054" x .062", Carbon Steel, SAE 1060-1090
35025-79B	560-0218	Gear, Mainshaft, First, 94-06 bt
35026-94	560-0219	Gear, Mainshaft 2nd, Countershaft 3rd, 94-06 bt
35027-94	560-0214	Gear, Mainshaft 3rd, Countershaft 2nd, 94-06 bt
35028-94	560-0220	Gear, Mainshaft, Fourth, 94-06 bt
35029-94	560-0221	Gear, Mainshaft, Fifth, 94-06 bt
35030-89	56-3027	Bearing, Ball, 20mm x 47mm x 14mm, 1991-'03 xl
35030-89A	56-3027	Bearing, Ball, 20mm x 47mm x 14mm, 1991-'03 xl
35038-84	50-8052	Retaining Ring, Internal, 2.702" x .078", Carbon Steel, SAE 1060-1090
35038-89	50-8052	Retaining Ring, Internal, 2.702" x .078", Carbon Steel, SAE 1060-1090
35042-91	560-0222	Mainshaft, 94-06 bt
35051-89	560-0215	Bearing, Needle, 5th Gear, 94-06 bt
3506	31-2003	Stud, Crankcase Alignment, 5/16-24 UNF x 5.750", Zinc, Steel
35060-00	310-0601	Bearing, Retention Plate
35064-79	560-0223	Spacer, Mainshaft, 94-06 bt
35078-79	56-1278-S	Nut, Jam, HH, 3/4-16 UNF-2B, Steel/Nylon
35087-99	560-0200	Retaining Ring, Bearing, 5 Speed, Transmission Shaft
35087-99A	560-0200	Retaining Ring, Bearing, 5 Speed, Transmission Shaft
35114-02	50-8160-S	Retaining Ring, Internal, 2.731" x .031" x .158", Steel, SAE 1070-1090
35151-74A	31-4060	Seal, Left, Main Bearing, 1.500" x 2" x .313", 1974-up xl
35211-91A	560-0224	Nut, Transmission Sprocket, 94-06 bt

OEM	VVT	DESCRIPTION
35258-87C	56-1025	Trap Door, Transmission, 5 Speed Rigid Mount, Machined & , Natural, Billet, 1986-'99 bt
35463-94A	560-0069	O-ring, Clutch Cover, 1994-up xl, 5 Pk
35470-10	560-0094	Gasket, Transmission to Engine, 2007-up bt
35607-06	560-0094	Gasket, Transmission to Engine, 2007-up bt
35607-06	560-0095	Gasket, Transmission to Engine, 2007-up bt, 5 Pk
35622-79C	560-0225	Gear, Countershaft , First, 94-06 bt
35625-94	560-0216	Gear, Countershaft , Fourth, 94-06 bt
35626-94	560-0226	Gear, Countershaft , Fifth, 94-06 bt
35629-79	560-0227	Spacer, Countershaft, 94-06 bt
35632-79	560-0228	Countershaft, 94-06 bt
35652-76B	56-5111-S	Gasket, Side Cover, Transmission, 6 Speed
35652-79B	56-1026	Gasket, Trap Door, Transmission, 5 Speed
35653-98	560-0201	Gasket, Bearing Housing, 1999-2006 Dyna, FL, '00-'06 Softail
35653-98A	56-1026	Gasket, Trap Door, Transmission, 5 Speed
35654-06	560-0173	Gasket, Bearing Cover, Transmission, 2007-up bt
358	50-8022	Pin, Dowel, .250" x .500", Steel
358	50-8105	Pin, Dowel, .250" x .500", Steel, 5 Pk
3594	50-0071	Screw, SHC, 1/4-20 x 5/8", Zinc, Steel
366	50-8022	Pin, Dowel, .250" x .500", Steel
366	50-8105	Pin, Dowel, .250" x .500", Steel, 5 Pk
36787-84	560-0135	Clutch Plate, Set, Steel, w/ Silencer, 1984-'90 xl
36788-84	560-0134	Plate, Set, Friction, 1984-'90 xl
36801-87B	560-0202	Gasket, Side Cover, Transmission, 94-06bt
36805-06	560-0174	Gasket, Cover, Transmission, 2007-up bt
3692A	500-0318	Screw, Rocker Cover, 5/16-18 x 1", 1999-up bt
3693A	500-0319	Screw, Rocker Cover, 5/16-18 x 1-3/4", 1999-up bt
37069-90	560-0229	Pushrod End, Clutch Release, 94-06 bt
37069-90A	560-0229	Pushrod End, Clutch Release, 94-06 bt
37071-87	56-5132	Dipstick, Oil,
37075-87	56-5132	Dipstick, Oil,
37081-99	560-0203	Cover, Clutch Release, Polished, 94-06bt
37088-90	560-0230	Pushrod, Clutch Release, 94-06 bt
37105-99	560-0204	Cover, Clutch Release, Chrome, 94-06bt
3728	50-0014	Screw, HHCS, 1/4-20 x 1/2", Zinc, Steel
37312-75	560-0231	Bearing, Pushrod Throwout, 94-06 bt
37313-80	560-0181	Bearing, Thrust Race, 1984-up bt
375	50-8029	Pin, Dowel, .308" x .700", Steel
377	50-8017	Pin, Dowel, .370" x .750", Steel
3770	50-0068	Screw, DHH, 12 pt, 1/4-20 x 7/8", Zinc, Steel
3770	50-0068P	Screw, DHH, 12 pt, 1/4-20 x 7/8", Zinc, Steel, 4 Pk
3770	50-0240	Screw, DHH, 1/4-20 x 7/8", Zinc, 10 Pk
378	50-8017	Pin, Dowel, .370" x .750", Steel
3784	560-0183	Screw, Left, Shift Fork Shaft, Set
37871-84	560-0137	Spring, Diaphragm, 1984-'89 bt
37885-98	560-0128	Plate, Set, Friction, 1998-up bt
37910-90	560-0126	Plate, Set, Friction, 1990-'97 bt, 1991-up xl
37911-90	560-0126	Plate, Set, Friction, 1990-'97 bt, 1991-up xl
37911-98	560-0128	Plate, Set, Friction, 1998-up bt
37913-90	560-0127	Clutch Plate, Set, Steel, w/ Silencer, 1990-'97 bt, 1991-up xl
37913-98	560-0129	Clutch Plate, Set, Steel, w/ Silencer, 1998-up bt
37930-68A	560-0120	Plate, Set, Friction, 1941-'67 bt
37930-68A	560-0122	Plate, Set, Friction, 1968-E'84 bt

OEM to VVT Cross Reference Chart

OEM	VVT	DESCRIPTION
37930-84	560-0124	Plate, Set, Friction, L84-'89 bt
37931-84	560-0124	Plate, Set, Friction, L84-'89 bt
37932-98	560-0128	Plate, Set, Friction, 1998-up bt
37975-41	560-0121	Clutch Plate, Set, Steel, w/ Silencer, 1941-'67 bt
37975-41	560-0123	Clutch Plate, Set, Steel, w/ Silencer, 1968-E'84 bt
37975-81	560-0121	Clutch Plate, Set, Steel, w/ Silencer, 1941-'67 bt
37975-81	560-0123	Clutch Plate, Set, Steel, w/ Silencer, 1968-E'84 bt
37975-84A	560-0125	Clutch Plate, Set, Steel, w/ Silencer, L1984-'89 bt
37975-90	560-0136	Plate, Spring Separator, 1998-up bt, 1991-up xl
37977-90	560-0136	Plate, Spring Separator, 1998-up bt, 1991-up xl
37985-52A0	560-0130	Plate, Set, Friction, 1957-'70 xl
37985-71	560-0132	Plate, Set, Friction, 1971-'83 xl
37992-52	560-0131	Clutch Plate, Set, Steel, w/ Silencer, 1957-'70 xl
37992-71	560-0133	Clutch Plate, Set, Steel, w/ Silencer, 1971-'83 xl
38711-93	31-2029	Retainer, Sensor Wire, Low Carbon Steel
38723-99	16-5077-S	Clamp, Hold-Down, MAP Sensor
3908	560-0184	Bolt, Shifter Cam Support, 5 Speed, 1987-'06 bt
3987	50-0108	Bolt, Hex Head, Gr5, 5/16-18 x 1", Zinc
39954-99A	330-0287	Tensioner, Cam Chain, Primary, 1999-'06 bt
39964-99A	330-0285	Tensioner, Cam Chain, Secondary, 1999-'06 bt
39965-99	330-0286	Guide, Chain, 1999-'06 bt
39968-06	330-0283	Tensioner, Cam Chain, Primary, 2007-up bt
39969-06	330-0284	Tensioner, Cam Chain, Secondary, 2007-up bt
39976-65B	560-0232	Pad, Primary Chain Tensioner, 94-06 bt
40001-85	106-0355	Belt, Secondary Drive, 136 Tooth, 1.5", Carbon
40003-79	106-0348	Belt, Secondary Drive, 126 Tooth, 1.5", Carbon
40012-90	106-0350	Belt, Secondary Drive, 128 Tooth, 1.5", Carbon
40015-00	106-0361	Belt, Secondary Drive, 133 Tooth, 1.125", Carbon
40015-90	106-0353	Belt, Secondary Drive, 133 Tooth, 1.5", Carbon
40017-94	106-0351	Belt, Secondary Drive, 130 Tooth, 1.5", Carbon
40022-91	106-0358	Belt, Secondary Drive, 128 Tooth, 1.125", Carbon
40023-86	106-0352	Belt, Secondary Drive, 132 Tooth, 1.5", Carbon
40024-04	106-0363	Belt, Secondary Drive, 139 Tooth, 1.125", Carbon
40024-97	106-0356	Belt, Secondary Drive, 139 Tooth, 1.5", Carbon
40037-79A	560-0233	Primary Chain, 87-06bt
40037-79A	560-0240	Primary Chain, 1994-'06 Softail, Dyna™
40038-91	106-0357	Belt, Secondary Drive, 125 Tooth, 1.125", Carbon
40048-07	106-0359	Belt, Secondary Drive, 130 Tooth, 1.125", Carbon
40250-94	560-0234	Sprocket, Transmission, 32 T, 94-06 bt
40251-92A	560-0235	Lockplate, Transmission Sprocket, 94-06 bt
40266-85A	560-0143	Sprocket Shaft, Extension, Stock Length, 1986-'06 bt
40269-85A	560-0142	Sprocket, Drive, 24T, 1990-'93 Softail, 1985-'90 FX, FXR
40307-00	106-0362	Belt, Secondary Drive, 135 Tooth, 1.125", Carbon
40308-94	560-0141	Sprocket, Drive, 25T, 1994-2006 bt
40356-07	550-0332	Rotor, Assembly, 2007-2010 bt
40392-91	560-0144	Nut, Compensator, 1991-up bt
40594-06	106-0360	Belt, Secondary Drive, 132 Tooth, 1.125", Carbon
4069A	50-0067	Screw, SHC, 1/4-20 x 3/4", Chrome, ASTM A574-92A
4091	50-0023	Screw, SHCS, 10-24 x 3/8", Chrome, Steel
4348	106-4597	Screw, HHC, 3/8-16 x 1-3/8", Cadmium Plated
4354	106-4598	Screw, HHC, 3/8-16 x 1-1/8", Cadmium Plated
45359-00	310-0602	Seal, Oil Interconnect
45359-00	310-0602	H-D, SEAL OIL INTERCONNECT

OEM	VVT	DESCRIPTION
45830-48	50-1015	Plug, Pipe, 3/4 Taper, 1/8-27 NPTF x .188", Zinc, Steel, 10 Pk
45830-48	50-8331	Plug, Pipe, 3/4 Taper, 1/8-27 NPTF x .188", Zinc, Steel
4716W	106-3063	Screw, HHC, 3/8-16 x 1-1/4", Zinc, Steel, 10 Pk
4716W	50-0168	Screw, HHC, 3/8-16 x 1-1/4", Zinc, Steel
4717A	50-0078	Screw, SHCS, 1/4-20 x 2-1/4", Zinc, ASTM A574-92A
4718A	50-0079	Screw, SHCS, 1/4-20 x 1-1/2", Zinc, ASTM A574-92A
4726	50-0176	Screw, HHC, 7/16-20 x 1-1/4"
4740A	50-0008	Screw, SHCS, 1/4-20 x 1-1/4", Zinc
4740A	50-0257-S	Screw, SHCS, 1/4-20 x 1-1/4", Chrome, ASTM A574-92A
4741A	50-0092P	Screw, SHCS, w/ Flat Washer, 1/4-20x1", Zinc, ASTM A574-92A, 4Pk
4741A	50-0092-S	Screw, SHCS, w/ Flat Washer, 1/4-20 x 1", Zinc, ASTM A574-92A
4741A	50-0154	Screw, SHCS, w/ Washer, 1/4-20 x 1", 10 Pk
4810	50-0010-S	Screw, SHCS, 1/4-20 x 1-3/4", Zinc
48302-85	31-4059	Bearing, Assembly, Left, Main, 1974-03 xl
5226B	50-8080	Stud, Shifter Shaft, 1/4-20, 1/4-28 x 1.250"
5226B	50-8080	H-D, Stud, Tap End
5430W	50-0088	Screw, SHC, 1/4-24 x 2-1/4", Zinc, ASTM A574-92A
585-30	50-8017	Pin, Dowel, .370" x .750", Steel
6003	560-0211	Washer, Thrust, Transmission Gear, 94-06 bt
6016	50-7034	Washer, Flat, .344" x .688" x .065", Zinc, Steel
6019	500-0312	Washer, (6019)
60518-65	560-0085	Gasket, Starterhole Blockoff, 1965-1988 bt, 10 Pk
60538-81C	560-0058	Gasket, Outer, Primary Cover, 1965-'88 FXST, FX, FL4 Spd, 5 Pk
60538-81C	560-0091	Gasket, Outer, Primary, 4 Speed, '88-Down FXST
60538-81C	560-0092	Gasket, Outer, Primary, 4 Speed, '88-Down FXST, 5 Pk
60539-89	560-0056	Gasket, Outer, Primary Cover, 1989-'06 Softail, 1989-'05 Dyna
60539-89	560-0057	Gasket, Outer, Primary Cover, 1989-'06 Softail, 1989-'05 Dyna, 5 Pk
60539-94B	560-0056	Gasket, Outer, Primary Cover, 1989-'06 Softail, 1989-'05 Dyna
60539-94B	560-0057	Gasket, Outer, Primary Cover, 1989-'06 Softail, 1989-'05 Dyna, 5 Pk
60547-06	560-0049	Gasket, Outer, Primary Cover, 2006 up Dyna, '07-up Softail
60547-06	560-0050	Gasket, Outer, Primary Cover, 2006 up Dyna, '07-up Softail, 5 Pk
60559-80	560-0086	Gasket, Starter Housing, 1965-'85 bt, 10 Pk
60567-36	560-0072	Gasket, Inspection Cover, 1936-'64 FL, 1958-'69 XLCH, 5 Pk
60567-65B	560-0064	Gasket, Derby Cover, 3 Hole, (replaces o-ring), 1984-'98 bt, 5 Pk
60567-65B	560-0073	Gasket, Inspection Cover, 1965-'06 Softail 4/5 Spd, '89-'05 Dyna, 5 Pk
60567-65B	560-0075	Gasket, Derby Cover, 5 Hole, (replaces o-ring), 1984-'98 bt
60645-65	560-0087	Gasket, Solenoid, 1965-'84 BT, 10 Pk
60654-55	560-0115	Lock Tab, Inner, Primary Cover, 1955-'64 bt, 10 Pk
609	50-8173	Pin, Roll, .392" x .320", Steel
6099	50-7020	Washer, .261" x .474" x .050", Annealed, Stainless Steel
6114	50-7018	Washer, Flat, .250" x .625" x .031", Copper
6150	50-7008	Washer, Flat, .192" x .400" x .035", Brass
6150W	50-7009	Washer, Flat, .192" x .312" x .035", Passivate, Stainless Steel
6156	50-7008	Washer, Flat, .192" x .400" x .035", Brass
6192	50-7021	Washer, Flat, .281" x .625" x .080", Zinc, Steel
6194	50-7021	Washer, Flat, .281" x .625" x .080", Zinc, Steel
6194	50-7074	Washer, Flat, .281" x .625" x .080", Zinc, Steel, 10 Pk
6228W	50-7021	Washer, Flat, .281" x .625" x .080", Zinc, Steel
6228W	50-7074	Washer, Flat, .281" x .625" x .080", Zinc, Steel, 10 Pk
62375-57	560-0205	Fitting, Vent, Transmission Cover
62400-80A	550-0410	Sensor, Cam Position, 80-93 FLT, 80-94 FXR/xl, 84-85 FXST
62432-93	56-1599-S	Gasket, Oil Filler Spacer, Transmission
62432-93B	56-1599-S	Gasket, Oil Filler Spacer, Transmission

OEM to VVT Cross Reference Chart



OEM	VVT	DESCRIPTION
6245	50-7021	Washer, Flat, .281" x .625" x .080", Zinc, Steel
6245	50-7074	Washer, Flat, .281" x .625" x .080", Zinc, Steel, 10 Pk
62484-81	31-2021	Fitting, Pipe, Straight, 1/8-27 NPTF x 7/16-24 UNS-2A x
62489-99A	560-0096	Pan, Oil, Black, 2007 Bagger
6294	500-0313	Washer, Pinion, Drive Gear, Twincam
6320	50-7034	Washer, Flat, .344" x .688" x .065", Zinc, Steel
634	106-3175	Pin, Roll, .328" x .760", Zinc, Steel, 10 Pk
634	50-8175	Pin, Roll, .328" x .760", Zinc, Steel
63500-68	19-0169A	Hose, .375" x .625" x 3', Rubber, Duro 73
63523-62	50-8120	Fitting, Compression, Male/Female, 1/8-27
63523-92	50-8120	Fitting, Compression, Male/Female, 1/8-27
63533-15	31-2018	Fitting, Pipe, Straight, 9/16-24 UNEF-2A x 1/8-27 NPT, Zinc, Brass
63533-41A	31-2019	Fitting, Pipe, Straight, 1/8-27 NPTF x .420" x 3.110", Zinc, Steel
63533-65	31-2019	Fitting, Pipe, Straight, 1/8-27 NPTF x .420" x 3.110", Zinc, Steel
63610-70	31-6026	Screw, Chain Oiler, Zinc, Steel
63614-72	31-6026	Screw, Chain Oiler, Zinc, Steel
63731-99A	31-4103	Filter, Oil, T-Series X-Wedge, Black
63731-99A	310-0241	Filter, Oil, T-Series X-Wedge, Black, 12 Pk
63796-77A	31-4102	Filter, Oil, SB, SH & V-Series, Chrome
63796-77A	310-0240	Filter, Oil, SB, SH V-Series, Chrome, 12 Pk
63798-99A	31-4104	Filter, Oil, T-Series & X-Wedge™, Chrome
63798-99A	310-0242	Filter, Oil, T-Series X-Wedge, Chrome, 12 Pk
63799-65A	310-0284	Filter, Oil, Perf-form, Drop In, 1958-E82 bt, 1953-'73 xl K Model
63805-80A	31-4101	Filter, Oil, SB, SH & V-Series, Black
63805-80A	310-0239	Filter, Oil, SB, SH V-Series, Black, 12 Pk
63815-99	900-0496	Filter, Breather, Stock Rocker Box
63826-53	310-0284	Filter, Oil, Perf-form, Drop In, 1958-E82 bt, 1953-'73 xl K Model
63840-53	310-0284	Filter, Oil, Perf-form, Drop In, 1958-E82 bt, 1953-'73 xl K Model
63859-95A	560-0052	Gasket, Primary Spacer, 1995-2006 Softail, 5 Pk (Pairs)
6469	106-5314	Washer, Head Bolt, Cadmium Plated, 1936-'64 OHV bt
6469HW	93-3024	Head Bolt, w/ Washer, 12 pt, 7/16-20X2-3/8" x 1" TD, 10 Pk
6495HW	50-7064	Washer, Flat, .469" x .922" x .125", Zinc, Steel
6497HW	560-0185	Washer, Shifter Shaft, 5 Speed, 1987-'06 bt
6506	32-2019	Washer, Flywheel, Thrust, w/ 1.250" Crankpin, 1.415" x 2.329" x .065", Phosphor Bronze
65324-83A	106-5029	Gasket, Exhaust, Tapered, Stainless Steel, 1984-up bt, 1986-up xl
65324-83B	106-5029	Gasket, Exhaust, Tapered, Stainless Steel, 1984-up bt, 1986-up xl
6702	50-7034	Washer, Flat, .344" x .688" x .065", Zinc, Steel
6703	50-7021	Washer, Flat, .281" x .625" x .080", Zinc, Steel
6703	50-7074	Washer, Flat, .281" x .625" x .080", Zinc, Steel, 10 Pk
6736	50-7021	Washer, Flat, .281" x .625" x .080", Zinc, Steel
6736	50-7074	Washer, Flat, .281" x .625" x .080", Zinc, Steel, 10 Pk
6737	50-7150	Washer, .903" x 1.053" x .034", Light Oil, Cold Rolled Steel
6762B	50-7131	Washer, Flat, .715" x .950" x .031", Steel
6762B	50-7136	Washer, Flat, .715" x .950" x .031", Steel, 10 Pk
6771	50-7025	Washer, Flat, .325" x .548" x .062", Zinc, Low Carbon Steel
68042-99	50-0054-S	Screw, Torx Panhead, Tri-Lobe, 8-32 x 3/8", Zinc, Steel
6852	500-0314	Washer, Balancer Nut
695-36	50-8058	Retaining Ring, Oil Pump Drive Shaft, SAE 1060-1090
7035	50-7019	Washer, Lock, .250"
7036	50-7019	Washer, Lock, .250"
7038	50-7052	Washer, Lock, .385" x .680" x .094", Zinc, Steel
7041	50-7032	Washer, Lock, .332" x .583" x .078", Zinc, Steel

OEM	VVT	DESCRIPTION
7055W	106-5313	Washer, Lock, 7/16", Cadmium Plated
70907-07	50-7034	Washer, Flat, .344" x .688" x .065", Zinc, Steel
71463-73A	550-0391	Relay, Starter, 73-79, 84-85 FX, 74-79, 84-85 FL, 75-79 xl
71469-65B	550-0389	Solenoid, Starter, Single Bracket, 4 Spd, Zinc, 1965-'84 bt
720	31-2005	Plug, Timing, Threaded, 5/8-18 UNF-2A x .545", Zinc, Steel
723	310-0648	Plug, Oil Pump, Vent, 1970-'80 bt
7231	106-3848	Washer, Countersunk, External Tooth, 1/4" x 1/2", Cadmium Plated, Steel
7340	560-0171	Nut, Main and Countershaft, 2007-up bt
739A	50-8334	Plug, Pipe, Magnetic, 1/8-27 NPTF x .375", Zinc, Steel
739A	50-8334	H-D, Plug, Magnetic
7402	560-0113	Lock Tab, Inner, Primary Cover, 1980-'86 bt, 10 Pk
74505-02	550-0320	Regulator, Chrome, 2002-2003 FLH, FLT
74505-04	550-0321	Regulator, Chrome, 2004-2005 FLH, FLT
74505-06	550-0351	Regulator, 2006-2008 FLH, FLT
74505-95	550-0319	Regulator, 1995-1996 FLHT Injected Model
74505-97	550-0322	Regulator, Black, 2000-2001 FLH, FLT
74512-00	550-0343	Regulator, Black, 2000 Softail
74512-79A	550-0314	Regulator, 1976-1980 bt
74512-86	550-0335	Regulator, 22 amp, black, 1981-1988 bt
74513-82A	550-0335	Regulator, 22 amp, black, 1981-1988 bt
74513-85	550-0335	Regulator, 22 amp, black, 1981-1988 bt
74515-86	550-0335	Regulator, 22 amp, black, 1981-1988 bt
74516-86	550-0335	Regulator, 22 amp, black, 1981-1988 bt
74518-99A	550-0342	Regulator, Black, 1999-2003 Dyna
74519-88A	550-0340	Regulator, 32 amp, Black, 1988-1999 bt
74519-99	550-0340	Regulator, 32 amp, Black, 1988-1999 bt
74540-01	550-0344	Regulator, Black, 2001-2006 Softail
74540-07	550-0346	Regulator, 2007 Softail
74540-08	550-0347	Regulator, 2008-'13 Softail
74587-94	550-0416	Circuit Breaker, Plug In Style, 15A
74589-73A	550-0415	Circuit Breaker, Terminated Style, 15A
74599-77B	550-0414	Circuit Breaker, 30A
74600-97A	550-0417	Circuit Breaker, 40A
74631-04	550-0348	Regulator, 2004-2005 Dyna
74631-06	550-0349	Regulator, 2006-2007 Dyna
74631-08	550-0350	Regulator, 2008-2013 Dyna
7593	50-1001	Nut, HSFH, 5/16-24 UNF-2B x .283", Zinc, Steel, 5 Pk
7593	50-5025-S	Nut, HSFH, 5/16-24 UNF-2B x .283", Zinc, Steel
7634	50-5000	Nut, HH, 10-32 UNF-2B x .130", Zinc, Steel
7638	50-5000	Nut, HH, 10-32 UNF-2B x .130", Zinc, Steel
765	50-8330	Plug, Pipe, 3/4 Taper, 1/4-18 NPTF x .460", Zinc, Steel
7683	50-5011	Nut, HH, 1/4-28 UNC-2B x .226", Zinc, Steel
7753	500-0315	Nut, Hex
7825	50-5045	Nut, Lock, HH, 7/16-20, Steel/Nylon
7831	106-3632	Nut, Kit, Rocker Arm Shaft, 1936-'47 OHV bt, KN-Series
7833	50-5023	Nut, HH, 5/16-24 UNF-2B x .273", Zinc, Steel
7861	50-5037	Nut, HH, 3/8-24 UNC-2B x .337", Zinc, Steel
7883	50-5023	Nut, HH, 5/16-24 UNF-2B x .273", Zinc, Steel
7913	33-4254	Nut, Pinion Gear, xl
7974	500-0316	Nut, Balancer
80168-32	90-2345	Spring, Kit, Valve, Single Valves, 1941-'51 WR, 1952-'53 KR,
83162-51	31-4022	Seal, Gearcover Cam, 1" x 1.441" x .250", 1970-up bt

OEM to VVT Cross Reference Chart

OEM	VVT	DESCRIPTION
83162-51	31-7002	Seal, Gearcover Cam, 1970-up bt, 5 Pk
852	50-0084	Screw, SHCS, 1/4-20 x 1", Zinc, ASTM A574-92A
856A	560-0182	Screw, SHC, 5/16-24 x 1"
876A	50-0118	Screw, SHC, 5/16-18 x 2-1/2", Zinc, ASTM A574-92A
876A	50-0131	Screw, SHCS, 5/16-18 x 2-1/2", 10 Pk
8866	50-8091	Ball, Check Valve, .375", Stainless Steel
8873	50-8091	Ball, Check Valve, .375", Stainless Steel
8876A	560-0236	Bearing, Transmission Gear, 94-06 bt
8881	31-4050	Race, Right, Main Bearing, Standard, 1987-'03 xl
891	50-0010-S	Screw, SHCS, 1/4-20 x 1-3/4", Zinc
895	310-0645	Bolt, Crankcase, Flanged, Gr8, 5/16-18 x 3", Zinc, 1999-up bt
8959	310-0604	Bearing, Balancer, 2007 bt B
8977	56-3031	Bearing, Needle, Transmission Countershaft, 1984-'99 bt Left Hand, 1991-'03 xl
8983	310-0605	Bearing, Assembly, Roller
8989	310-0606	Bearing, Balancer, (8989)
8990	31-4081	Bearing, Outer, Ball, Cam, .7874" x 1.6535" x .4724"
8990A	31-4081	Bearing, Outer, Ball, Cam, .7874" x 1.6535" x .4724"
8991	310-0607	Bearing, Balancer, (8991)
8992A	56-3026	Bearing, Ball, Transmission Countershaft, Left Hand, 20mm x 47mm x 14mm, 1991-'06 bt, 1991-'03 xl
8996A	56-1280	Bearing, Ball, Transmission Mainshaft, 10 Balls, 45mm x 85mm x 19mm
8998	56-3026	Bearing, Ball, Transmission Countershaft, Left Hand, 20mm x 47mm x 14mm, 1991-'06 bt, 1991-'03 xl
902	50-0310	Screw, PHIL/OH, 1/4-20 x 1", Black, 3 Pk
902	50-0310-S	Screw, PH, 1/4-20 x 1", Black, Stainless Steel
90-2232	90-2242	Valve Guide, Intake/Exhaust, +.002", Cast Iron, 1980-'84 bt
90-2233	90-2243	Valve Guide, Intake/Exhaust, +.003", Cast Iron, 1980-'84 bt
90-2234	90-2244	Valve Guide, Intake/Exhaust, +.004", Cast Iron, 1980-'84 bt
90-2236	90-2246	Valve Guide, Intake/Exhaust, +.006", Cast Iron, 1980-'84 bt
9028	31-4013	Bearing, Assembly, Left, Main
905	50-0334	Screw, FLC, 1/4-20 x 1-3/4", 5 Pk
905	50-0334-S	Screw, SFH, 1/4-20 x 1-3/4", Black, Alloy Steel
9057	31-4061	Bearing, Assembly, Needle, Cam, Late 1958-'90 xl
9058	31-4009	Bearing, Assembly, Needle, Cam
9124	31-4071	Spacer, Left, Main Bearing, .100", Steel, 1969-'99 bt
9125	31-4072	Spacer, Left, Main Bearing, .102", Steel, 1969-'99 bt
9126	31-4073	Spacer, Left, Main Bearing, .104", Steel, 1969-'99 bt
9127	31-4074	Spacer, Left, Main Bearing, .106", Steel, 1969-'99 bt
9128	31-4075	Spacer, Left, Main Bearing, .108", Steel, 1969-'99 bt
9134	31-4076	Spacer, Left, Main Bearing, .120", Steel, 1969-'99 bt
9143	31-4064	Spacer, Left, Main Bearing, .1015" - .1025", 1974-'03 xl
9144	31-4065	Spacer, Left, Main Bearing, .1035" - .1045", 1974-'03 xl
9145	31-4066	Spacer, Left, Main Bearing, .1055" - .1065", 1974-'03 xl
9146	31-4067	Spacer, Left, Main Bearing, .1075" - .1085", 1974-'03 xl
9147	31-4068	Spacer, Left, Main Bearing, .110", 1974-'03 xl
9149	31-4070	Spacer, Left, Main Bearing, .114", 1974-'03 xl
9151	56-3032	Bearing, Transmission Shift Drum, 1991-'03 xl, Right Hand
9155	31-4062	Spacer, Left, Main Bearing, .098", 1974-'03 xl
9186	34-4033	Bearing, Front, Rod, Standard, Alloy
9187	56-3030	Bushing, Shifter Drum, 1.218" x 1.407" x .375", Bronze, 1991-'03 xl
9198	31-4080	Bearing, Assembly, Inner, Needle, Cam, .875" x 1.125" x .500", 1999-2006 bt except 2006 Dyna™
9215	31-4199-S	Bearing, Inner, Needle, Cam, 1.0" x 1.25" x .50"

OEM	VVT	DESCRIPTION
9215	31-4499	Bearing, Assembly, Inner, Needle, Cam, 2006-up bt, 2 Pk
93-5030	93-5037	Pushrod, Set, Non-Adjustable, Stock, Steel, 1957-'85 xl
9441A	34-4034	Bearing, Rear, Rod, Standard, Alloy
956	500-0317	Screw, Balancer, Button Head

OEM to VVT Cross Reference Chart



Parts for
Twin Cam 96"/103"
2007-2015

Parts for
Twin Cam 88"
1999-2006

Parts for
Evolution®
1984-1999

Parts for
Sportster®
1986-2015

Parts for
Sportster®
1955-1985

Parts for
Shovelheads

Parts for
Panheads

Parts for
Knuckleheads

Parts for
Flatheads

Index
Cross Reference

VWT	OEM	DESCRIPTION
106-0232	25225-93A, 25225-93B	Gasket, Gearcover, Undersized Profile, 1970-'99 bt, 10 Pk
106-0348	40003-79	Belt, Secondary Drive, 126 Tooth, 1.5", Carbon
106-0349		Belt, Secondary Drive, 127 Tooth, 1.5", Carbon
106-0350	40012-90	Belt, Secondary Drive, 128 Tooth, 1.5", Carbon
106-0351	40017-94	Belt, Secondary Drive, 130 Tooth, 1.5", Carbon
106-0352	40023-86	Belt, Secondary Drive, 132 Tooth, 1.5", Carbon
106-0353	40015-90	Belt, Secondary Drive, 133 Tooth, 1.5", Carbon
106-0354		Belt, Secondary Drive, 135 Tooth, 1.5", Carbon
106-0355	40001-85	Belt, Secondary Drive, 136 Tooth, 1.5", Carbon
106-0356	40024-97	Belt, Secondary Drive, 139 Tooth, 1.5", Carbon
106-0357	40038-91	Belt, Secondary Drive, 125 Tooth, 1.125", Carbon
106-0358	40022-91	Belt, Secondary Drive, 128 Tooth, 1.125", Carbon
106-0359	40048-07	Belt, Secondary Drive, 130 Tooth, 1.125", Carbon
106-0360	40594-06	Belt, Secondary Drive, 132 Tooth, 1.125", Carbon
106-0361	40015-00	Belt, Secondary Drive, 133 Tooth, 1.125", Carbon
106-0362	40307-00	Belt, Secondary Drive, 135 Tooth, 1.125", Carbon
106-0363	40024-04	Belt, Secondary Drive, 139 Tooth, 1.125", Carbon
106-0534		Screw, SHC, 1/4-20 x 7/8", Chrome
106-0913	2675, 2674	Screw, SHC, 10-24 x 3/4", Chrome
106-0919	17500-48A	Cover, Set, Rocker Arm, Chrome, Steel, 1948-'65 bt
106-0920	17507-51	Ring, Set, Rocker Cover, D Style, 1948-'65 bt
106-1338		Belt, Secondary Drive, 149 Tooth 1.125", Carbon
106-1340		Pushrod Cover, Kit, Chrome, 1999-up bt
106-1619		Gearcover, Kit, Generator, Flatside, Stock Style, Natural, 1965 bt
106-1625		Gearcover, Kit, Generator, Flatside, Stock Style, Natural, 1966-'69 bt
106-1815	18491-36	Tappet, Assembly, Intake, Standard, 1936-'47 OHV bt
106-1816		Tappet, Assembly, Intake, +.005", 1936-'47 OHV bt
106-1817	18493-36	Tappet, Assembly, Exhaust, Standard, 1936-'47 OHV bt
106-1818		Tappet, Assembly, Exhaust, +.005", 1936-'47 OHV bt
106-1819		Tappet, Set, Standard, 1936-'47 OHV bt
106-1820		Tappet, Set, +.005", 1936-'47 OHV bt
106-2013	2341, 2341HW	Screw, Slotted Countersunk, Oval, 1/4-24 x 1-1/8", Cadmium Plated
106-2072	25225-36C	Gasket, Gearcover, 1965-'69 bt
106-2304	22097-99	Wristpin Keeper, C-Clip, .927", Spring Wire Steel, 4 Pk
106-2400		Cover, Kit, Top, Valve Spring (Tins), Chrome, 1938-'47 bt; KN-Series
106-2401		Cover, Kit, Bottom, Valve Spring (Tins), Black Anodize, 1938-'47 bt; KN-Series
106-2403		Head, Set, Partially Assembled, CTO, Stock 1936-'47 OHV bt S&S KN-Series
106-2410		Tappet Guide, Set, Silver, 1936-'47 OHV bt
106-2412		Rocker Arm, Set, Non-Roller, 1:1 Ratio, 1936-'47 OHV bt, KN-Series
106-2413		Shaft, Set, Rocker Arm, 1936-'47 OHV bt, KN-Series
106-2475	16661-40, 16671-36	Head, Set, Natural, Aluminum, 1937-'48 UL, FH-Series
106-2561	18632-36	Gasket, Tappet Guide, Fiber 4N, 1936-'47 OHV bt
106-2563	18632-36	Gasket, Set, Tappet Guide, 1936-'47 OHV bt
106-2643	29645-08	Gasket, Throttle Body, Throttle by Wire, 2008-Up Touring, 2009-up Tri-Glide, 2011-up Softail CVO
106-2665	18600-36	Tappet Guide, Front, Silver, Cast Iron, 1936-'47 OHV bt
106-2666	18610-36	Tappet Guide, Rear, Silver, Cast Iron, 1936-'47 OHV bt
106-2669	16769-36	Gasket, Set, Head, FH-Series, Copper, 1937-'48 UL

VWT	OEM	DESCRIPTION
106-2680	16769-36	Gasket, Head, FH-Series, Copper, 1937-'48 UL
106-2682	26338-68A, 26361-81A, 26361-84A, 26338-68	Fitting, Pipe, 90°, Male/Female, 1/8-27 NPTF x .500", Zinc Plated, Steel
106-2690		Gasket, Base, KN-Series, 3-5/8", Fiber 4N
106-2692	16774-21	Gasket, Base, KN-Series, 3-5/16", CMP-4200
106-2827		Belt, Secondary Drive, 156 Tooth, 1.5", Carbon
106-2862		Rocker Arm, Assembled, FI, Non-Roller, 1:1 Ratio, 1936-'47 OHV bt, KN-Series
106-2863		Rocker Arm, Assembly, FE, Non-Roller, 1:1 Ratio, 1936-'47 OHV bt, KN-Series
106-2864		Rocker Arm, Assembly, RI, Non-Roller, 1:1 Ratio, 1936-'47 OHV bt, KN-Series
106-2865		Rocker Arm, Assembly, RE, Non-Roller, 1:1 Ratio, 1936-'47 OHV bt, KN-Series
106-2878		Gasket, Bottom, Valve Spring Covers, (Tins), Vulcanized Fiber, 1936-'47 OHV bt
106-2893		Cover, Kit, Top, Valve Spring (Tins), Gloss Black, 1938-'47 bt; KN-Series
106-2928	25593-74	Bushing, Pinion Shaft, Stepped, 1986-2003 xl
106-3005		Tappet Guide, Set, w/o Logo, S&S Crankcase, SA Style, Chrome, Billet, 1984-'99 bt
106-3198	25216-48	Gearcover, Kit, Generator, KN-Series, Ribbed, Stock Pinion Shaft, Natural, 1940-'47 bt
106-3466		Head, Kit, Stock S&S 3-5/8" Bore, Performance .585" Round Wire Conical Steel, 82cc, Natural, 1984-'99 bt
106-3499		Gearcover, Kit, Generator, P-Series, Ribbed, Stock Pinion Shaft, Natural, Late 1948-'53 bt
106-3629	18081-36	Valve, Exhaust, 1.750", Stock 1936-'47 OHV bt & KN-Series
106-3632	7831	Nut, Kit, Rocker Arm Shaft, 1936-'47 OHV bt, KN-Series
106-3634	3477	Screw, Valve Spring Covers, Stock 1936-'47 OHV bt & KN-Series
106-3636	17475-38	Seal, Oil, Rocker Arm, 1936-'47 OHV bt, KN-Series
106-3637	18181-36, 18185-40	Valve Guide, Intake/Exhaust, Standard, Cast Iron, 1936-'47 OHV bt, KN-Series
106-3638		Valve Guide, Intake/Exhaust, +.004", Cast Iron, 1936-'47 OHV bt, KN-Series
106-3639		Valve Guide, Intake/Exhaust, +.008", Cast Iron, 1936-'47 OHV bt, KN-Series
106-3676	25522-36	Camshaft, 346, 1936-'47 OHV bt
106-3714		Gasket, Head, Stock Pattern, .045", 3.940", Layer Steel, 1999-up bt
106-3774		Cover, Cam Chest, Stock Chrome, 1999-up bt
106-3842	17300-36	Housing, Front, Rocker Arm, Natural, Stock 1936-'47 OHV bt & KN-Series
106-3847	2329	Screw, Slotted, Oval, Machined, 1/4-24 x 5/8", Cadmium Plated, Steel
106-3848	7231	Washer, Countersunk, External Tooth, 1/4" x 1/2", Cadmium Plated, Steel
106-3849	17955-36	O-ring, Square, .1875"
106-3850	17935-36	Pushrod Cover, Top, Natural, Zinc Plated, Steel, Stock 1936-'47 OHV bt & KN-Series
106-3851	17983-40	Pushrod Cover, Bottom, Chrome, Stock 1936-'47 OHV bt & KN-Series
106-3883		Tappet Cover, Set, Stock Style, Chrome, Billet, 1999-up bt
106-3884		Bracket, Assembly, Oil Filter, Chrome, 1999-up bt
106-3945	17310-41, 17310-36	Housing, Rear, Rocker Arm, Natural, Stock 1936-'47 OHV bt & KN-Series
106-3948	18184-36, 18187-40	Valve Guide, Intake/Exhaust, +.002", Cast Iron, Stock 1936-'47 OHV bt & KN-Series
106-3949	17939-36	Pushrod Cover, Kit, Natural, Stock 1936-'47 OHV bt & KN-Series
106-4039	24596-99A	Crankcase, Assembly, Stock Bore, bt, Alternator, Silver, 1999-2006 except 2006 Dyna

VVT to OEM Cross Reference Chart

VVT	OEM	DESCRIPTION
106-4211		Gearcover, Kit, Alternator, Billet Ignition Cover, Chrome, Billet, 1973-'92 bt
106-4346		Cover, Kit, Top, Valve Spring (Tins), Silver, 1938 - '47 bt; KN-Series
106-4352	17465-36	Washer, Rocker Arm, Thrust, Stepped .015, 1936-'47 OHV bt
106-4357		Washer, Lock, 7/16", Zinc
106-4358	17482-36	Washer, Rocker Arm, Packing, Stock 1936-'47 OHV bt & KN-Series
106-4446		Oil Line, Kit, Return, Complete, KN-Series
106-4512	16483-41, 16492-41	Cylinder, Set, 3-7/16" Bore, 5.530", w/ Gaskets, Hi-Temp Black, 1936-'47 OHV bt
106-4513	16483-41	Cylinder, Front, 3-7/16" Bore, 5.530", 1936-'47 OHV bt
106-4514	16492-41	Cylinder, Rear, 3-7/16" Bore, 5.530", 1936-'47 OHV bt
106-4519		Cylinder, Kit, 3-7/16" Bore, 5.530", 3-31/32" Stroke, 106-5495, Hi-Temp Black, 8.0:1 Compression, 1936-'47 OHV bt
106-4522	16602-30	Nut, Kit, Base, Cadmium Plated, Stock Bore 1930-'78 bt
106-4523	16814-48	Head Bolt, Kit, Hex, 7/16-20 x 2-3/8", Stock 1948-'65 OHV bt & 3-5/16
106-4528		Washer, Cam, Lock, .062", Steel, 1936-'56 OHV bt ()
106-4570	16696-92A	Head, Kit, Stock S&S 3-5/8" Bore, Performance .585" Round Wire Conical Steel, 82cc, WBlack, 1984-'99 bt
106-4597	4348	Screw, HHC, 3/8-16 x 1-3/8", Cadmium Plated
106-4598	4354	Screw, HHC, 3/8-16 x 1-1/8", Cadmium Plated
106-4618	17325-42	Fitting, Top, Pipe, Straight, Oil Line Supply, Cadmium Plated
106-4619	17320-38	Fitting, Pipe, Straight, Oil Line Return, Rocker Housing, Parkerized
106-4630	29461-99	Filter, Air, Carb/EFI, 2001-'08 Softail EFI, 2002-'07
106-4631	29462-99	Filter, Air, 1999-2001 EFI
106-4632	29330-96	Filter, Air, Carb, 1990-'99 bt
106-4633	29036-88B, 29331-96	Filter, Air, 1986-2003 xl
106-4635	29331-04	Filter, Air, 2004-'09 xl
106-4688		Oil Pump, Kit, Universal, Silver, Billet, KN-Series
106-4734	17330-42	Fitting, Bottom, Straight, Oil Line Supply, Cadmium Plated, 1936-'47 OHV bt, KN-Series
106-4795	24912-48	Tube, Crankcase Breather, Powdercoated, Gloss Black, Steel, 1936-'69 bt
106-4929		Head, Kit, Fully Assembled, Configure To Order, Stock 1936-'47 OHV bt S&S KN-Series
106-5029	65324-83A, 65324-83B	Gasket, Exhaust, Tapered, Stainless Steel, 1984-up bt, 1986-up xl
106-5070	25300-36	Gear, Breather, High Evacuation, 1936-'53 bt
106-5368	26204-91A, 26488-98	Oil Pump, Assembly, Stock, 1991-up xl
106-5495	22101-48, 22101-41	Piston, Set, 3-7/16", Standard, 74", LC, Forged, .791" WP, 1936-'84 bt
106-5496	22103-41, 22103-48	Piston, Set, 3-7/16", +.010", 74", LC, Forged, .791" WP, 1936-'78 bt
106-5497	22104-41, 22104-48	Piston, Set, 3-7/16", +.020", 74", LC, Forged, .791" WP, 1936-'78 bt
106-5498	22105-41, 22105-48	Piston, Set, 3-7/16", +.030", 74", LC, Forged, .791" WP, 1936-'78 bt
106-5503		Piston, Set, 3-7/16", Standard, HC, .791" WP, 1936-'84 bt
106-5504		Piston, Set, 3-7/16", +.010", HC, .791" WP
106-5505		Piston, Set, 3-7/16", +.020", HC, .791" WP, 1936-'84 bt
106-5506		Piston, Set, 3-7/16", +.030", HC, .791" WP, 1936-'84 bt
106-5511		Piston, Set, 3-1/2", Standard, 80", LC, .791" WP, 1979-'84 bt
106-5512		Piston, Set, 3-1/2", +.010", 80", LC, .791" WP, 1979-'84 bt
106-5513		Piston, Set, 3-1/2", +.020", LC, .791" WP, 1936-'84 bt
106-5514		Piston, Set, 3-1/2", +.030", 80", LC, .791" WP, 1979-'84 bt
106-5519		Piston, Set, 3-1/2", Standard, HC, .791" WP, 1936-'84 bt

VVT	OEM	DESCRIPTION
106-5520		Piston, Set, 3-1/2", +.010", HC, .791" WP, 1936-'84 bt
106-5521		Piston, Set, 3-1/2", +.020", HC, .791" WP, 1936-'84 bt
106-5522		Piston, Set, 3-1/2", +.030", HC, .791" WP, 1936-'84 bt
106-5548		Piston, Set, 3-1/2", Standard, DD, .792" WP, 9.44:1 Compression, 1986-up xl
106-5549		Piston, Set, 3-1/2", +.010", DD, .792" WP, 9.44:1 Compression, 1986-up xl
106-5550		Piston, Set, 3-1/2", +.020", DD, .792" WP, 9.44:1 Compression, 1986-up xl
106-5688		Seal, Valve Guide, S&S CNC Ported Heads and 2005-up bt
106-5773	22106-41, 22106-48	Piston, Set, 3-7/16", +.040", 74", LC, .791" WP, 1936-'78 bt
106-5775		Piston, Set, 3-7/16", +.040", HC, .791" WP, 1936-'84 bt
106-5872	18490-29	Tappet, Assembly, Standard, 1929-'73 SV bt
106-5875	18490-29	Tappet, Set, Standard, 1929-'73 SV bt
106-5876		Tappet, Assembly, +.005, 1929-'73 SV bt
106-5879		Tappet, Set, +.005, 1929-'73 SV bt
106-5929		Installation Kit, Camshaft, Chain Drive, Standard and Easy Start, 2006 bt Dyna, 2007-Up bt
106-5931	16814-48, 16776-48	Gasket, Front, Base, Stock Bore, PF4N, 1936-'65 bt
106-5932	16777-48	Gasket, Rear, Base, Stock Bore, PF4N, 1936-'65 bt
106-5933	16770-48	Gasket, Head, Stock Bore, Copper, 1948-'65 bt
106-6012		Gear, Breather, High Evacuation, +.030", 1936-'47 bt
106-6051		Pushrod, Kit, Quickee, Hydraulic Tappet, w/ Cover Keepers, Stock, 1999-up bt
106-6398		Spring, Kit, Valve, Dual, .480" Lift, Steel, Stock 1936-'47 OHV bt S&SKN-Series
106-6459		Tappet Guide, Set, w/o Logo, Stock Style, Polished, 1984-'99 bt
106-6473	33290-38	Bushing, Lower, Clutch Arm, Transmission Cover, Kick Start, Stock 1937-'50 bt
106-6474	33291-36	Bushing, Upper, Clutch Arm, Transmission Cover, Kick Start, Stock 1937-'50 bt
106-6479-00	33277-36A, 33277-36	Cover, Kit, Transmission Kick Start, Stock '40-'86 bt
106-6479-G6	33277-36A, 33277-36	Cover, Kit, Transmission Kick Start, G6 Date Code, Stock 1940-'47 bt
106-6479-J7	33277-36A, 33277-36	Cover, Kit, Transmission Kick Start, J7 Date Code, Stock 1948-'50 bt
11-5200		Jet, Kit, CV Carb, 1988-2003 xl
11-5201		Jet, Kit, CV Carb, 2004-'06 xl
11-5202		Jet, Kit, CV Carb, 1990-'99 bt
11-5203		Jet, Kit, CV Carb, 1999-2006 bt
16-0230	27063-57	Clamp, Manifold, O-ring Style
16-0231	27063-78, 27063-80	Clamp, Manifold, Band Style
16-0232	27009-86A	Flange, Front, Manifold, 1984-2005 bt, 1986-2006 xl
16-0233	27010-86A	Flange, Rear, Manifold, 1984-2005 bt, 1986-2006 xl
16-0236	26992-99, 26995-86A, 26995-86B	Seal, Intake, Stock Heads, 1984-up bt, 1986-up xl
16-0238	27062-78	Seal, Manifold, Band Style, 2.010" x 2.315" x .7870", Buna, 1979-'84 bt, 1979-'85 xl
16-0242	27002-89	U-ring, Manifold, 40mm Stock CV/42mm Mikuni, Packaged
16-0244	26995-86B, 26992-99, 26995-86A	O-ring, Manifold, Stock Ports, 1.780" ID x 2.050" OD, Black, Viton, 10 Pk
16-0245	27062-78	Seal, Manifold, Band Style, 1979-'84 bt, 1979-'85 xl, 10 Pk
16-0600	27009-86A	Flange, Front, Manifold, 1984-2005 bt, 1986-2006 xl, 5 Pk
16-0601	27010-86A	Flange, Rear, Manifold, 1984-2005 bt, 1986-2006 xl, 5 Pk
16-1100		Manifold, O-ring, 1-7/8", #0, Natural, 1955-'65 bt
16-1101		Manifold, O-ring, 1-7/8", #4, Natural, 1955-'65 bt

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2007-2015

Parts for
Twin Cam 88®
1999-2006

Parts for
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1984-1999

Parts for
Sportster®
1986-2015

Parts for
Sportster®
1955-1985

Parts for
Shovelheads
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Parts for
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16-1200	27021-71A	Manifold, O-ring, 1-7/8", #220, Natural, 1957-'78 bt, xl
16-1230		Manifold, O-ring, 1-7/8", VOES, #220, Natural, 1957-'78 bt, xl
16-1300	27021-78	Manifold, Band, 1-7/8", #220, Natural, 1979-'84 bt, xl
16-1400		Manifold, Band, 1-7/8", VOES, #220, Natural, 1983-'85 xl
16-1736	27019-89, 27019-89A	Manifold, CV Carb, S&S Ports, 1-7/8", #410, Natural, 1984-'99 bt
16-5077-S	38723-99	Clamp, Hold-Down, MAP Sensor
160-1722	27613-99	Manifold, CV Carb, S&S Ports, 1-7/8", #410, Natural, 1999-up bt
19-0169A	63500-68	Hose, .375" x .625" x 3', Rubber, Duro 73
19-0262-S	27369-76	Hose, Overflow, .125" x .250" x 24", Plastic, Duro 68A
19-0263	27369-76	Hose, Overflow, .125" x .250" x 24", 5 Pk
31-0000	24469-83A, 24469-83C	Crankcase, Assembly, Stock Bore, bt, Alternator, CPS Machining, Natural, 1984-'91
31-0002		Crankcase, Assembly, Special Order, bt, Alternator, 1970-'99
31-0003		Crankcase, Assembly, Stock Bore, bt, Alternator, Natural, 1970-'84
31-0005	24469-83A, 24469-83C	Crankcase, Assembly, Stock Bore, bt, Alternator, CPS Machining, Natural, 1992-'99
31-0006		Crankcase, Assembly, Stock Bore, bt, 2B Generator, Natural, 1936-'47
31-0008	24519-55, 24519-58, 24519-63	Crankcase, Assembly, Stock Bore, bt, 2B Generator, Natural, 1948-'64
31-0010	24519-65	Crankcase, Assembly, Stock Bore, bt, 2B Generator, Natural, 1965-'69
31-0052	24473-85C	Crankcase, Assembly, Stock Bore, bt, Alternator, WBlack, 1984-'91
31-0055	24569-95, 24571-93	Crankcase, Assembly, Stock Bore, bt, Alternator, CPS Machining, WBlack, 1992-'99
31-0113		Hardware Kit, Crankcase, Stator Bolts, 1999-up bt
31-0172	24597-99A	Crankcase, Assembly, Stock Bore, bt, Alternator, WBlack, 1999-2006 except 2006 Dyna
31-0203		Gearcover, Kit, Alternator, Flangeless, Natural, Cast, 1973-'92 bt
31-0215	32504-80	Ignition Cover, Inner, Flanged Gearcover, 1970-'99 bt
31-0224	32606-82	Screw, Timing Mechanism, Steel
31-0224P	32606-82	Screw, Timing Mechanism, Steel, 2 Pk
31-0225	32591-70, 32591-80	Gasket, Ignition Cover, 1970-'99 bt
31-0240	25216-58	Gearcover, Kit, Generator, Bushing Style, Stock Style Case, Natural, Cast, 1954-'69 bt
31-0243		Gearcover, Kit, Alternator, Flanged, Billet Outer Cover, Natural, 1993-'99 bt
31-0332		Ignition Cover, S&S Logo, Chrome, Billet, 1970-'99 bt
31-0335		Gearcover, Kit, Alternator, Billet Ignition Cover, Polished, Billet, 1973-'92 bt
31-0336		Gearcover, Kit, Alternator, Billet Ignition Cover, Polished, Billet, 1993-'99bt
31-0424		Installation Kit, Oil Supply Line, 1999-2005 bt
31-0425		Installation Kit, Oil Supply Line, Crankcase, 1999-2006 bt except Dyna
31-1008		Crankcase, Assembly, Stock Bore, xl/Buell, Natural, 1991-2003
31-2003	24806-36, 3506	Stud, Crankcase Alignment, 5/16-24 UNF x 5.750", Zinc, Steel
31-2005	720	Plug, Timing, Threaded, 5/8-18 UNF-2A x .545", Zinc, Steel
31-2010	24981-70, 24981-66	Screen, Crankcase Oil
31-2011-S	24982-66, 24982-70	Spring, Crankcase Oil Screen, .040" Wire, .340" x .420" x 1.375", MusicWire, 1953-'99 bt
31-2016	26561-84	Switch, Assembly, Oil Pressure, 1984-'99 bt
31-2017	24795-48	Spacer, Front, Motor Mount, 1948-'65 OHV bt
31-2018	63533-15	Fitting, Pipe, Straight, 9/16-24 UNEF-2A x 1/8-27 NPT, Zinc, Brass

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31-2019	63533-65, 63533-41A	Fitting, Pipe, Straight, 1/8-27 NPTF x .420" x 3.110", Zinc, Steel
31-2025B	22371-99, 22307-99'	Jet, Assembly, Piston Cooling, 1999-up bt
31-2026	22307-99	Jet, Kit, Piston Cooling, 4-1/8" 1984-'99 bt, 1999-up bt, 2 Pk
31-2029	38711-93	Retainer, Sensor Wire, Low Carbon Steel
31-2030	25225-36A	Gasket, Gearcover, 1936-'64 bt
31-2032-S	25244-99A	Gasket, Gearcover, Black, Paper, 1999-up bt
31-2034	24809-30	Stud, Crankcase Alignment, 5/16-24 UNF x 6.050", Zinc, Steel
31-2037	25856-36	Shaft, Circuit Breaker Drive Gear, 1936-'69 bt
31-2039	25791-36	Shaft, Idler Gear, .5556" x 1.8760", AISA 8620H, 1936-'69 bt
31-2048	16240-82	Nut, Motor Mount, Press-In, HH, 3/8-24 2B x .785", Steel, xl
31-2050	29950-91	Cover, Stator Wire, 1991-2003 xl
31-2107	25225-93A, 25225-93B, 25225-70C, 25257-80	Gasket, Gearcover, Undersized Profile, 1970-'99 bt
31-2321	16837-85C	Stud, Cylinder Base, 3/8-16 UNC x 6.680", 1984-'99 bt, 8 Pk
31-2321-S	16837-85C	Stud, Cylinder Base, 6.68", Black Oxide, 1984-'99 bt
31-2324	16837-78	Stud, Cylinder Base, 7/16-14 ONF, 7/16-20 UNF x 2.3, Black, Steel, 1936-'84 bt, 8 Pk
31-2324-S	16837-78	Stud, Cylinder Base, 7/16-14 ONF, 7/16-20 UNF x 2.3, Black, Steel
31-2325-S		Stud, Cylinder Base, 3/8-16 UNC x 6.070", Black, Steel
31-2328	16831-30, 16837-30'	Stud, Cylinder Base, 7/16-14 UNC, 7/16-20 UNF x 2.0, Zinc, Steel, 1936-'84 bt, 8 Pk
31-2328-S	16831-30, 16837-30'	Stud, Cylinder Base, 7/16-14 UNC, 7/16-20 UNF x 2.0, Zinc, Steel
31-2331	16832-86C	Stud, Cylinder Base, 3/8-16 UNC x 5.760", 1986-2003 xl, 8 Pk
31-2331-S	16832-86C	Stud, Cylinder Base, 3/8-16 UNC x 5.760"
31-2340	16715-83	Stud, Cylinder Base, 3/8-16 UNC x 6.070", Black, Steel, 1999-up bt, 8 Pk
31-4004	24599-93, 24599-58A, 24599-58B	Race, Right, Main Bearing, Standard, 1993-'99 bt
31-4005	24626-87A	Bearing, Assembly, Right, Main, Small/Medium, White, 1958-'99 bt
31-4007	24601-58B	Race, Right, Main Bearing, +.005", 1993-1999 bt
31-4008	24641-36	Bushing, Drive Shaft, Oil Pump, Stepped, .424" x .533" x 2.540", Bronze, 1936-1999 bt
31-4009	9058	Bearing, Assembly, Needle, Cam
31-4010	12026B	Seal, Left, Main Bearing, 1.750" x 2.507" x .3130", 1970-up bt
31-4011	24002-70	Spacer, Sprocket Shaft, 70-up BT (HD#24002-70)
31-4013	9028	Bearing, Assembly, Left, Main
31-4014		Spacer, Drive Sprocket, Fatigue Proof, 1936-'64 bt
31-4016	24628-87A	Bearing, Assembly, Right, Main, Small, Green, 1958-'99 bt
31-4017	24641-87A	Bearing, Assembly, Right, Main, Large, Red, 1958-'99 bt
31-4018	24643-87A	Bearing, Assembly, Right, Main, Medium/Large, Blue, 1958-'99 bt
31-4019	25581-70	Bushing, Cam, Bronze, 1970-'99 bt
31-4020	25582-54A, 22582-73	Bushing, Pinion Shaft, Bronze, 1954-'72 bt
31-4022	83162-51	Seal, Gearcover Cam, 1" x 1.441" x .250", 1970-up bt
31-4025	25581-36	Bushing, Cam, Bronze, 1936-'69 bt
31-4031	25582-93, 25582-73	Bushing, Pinion Shaft, Bronze, 1973-'92 bt
31-4033	24008-97	Spacer, Drive Sprocket, 45A Charging System, 1.131" x 1.730" x .325", Fatigue Proof, 1970-'99 bt
31-4035	12068	Seal, Left, Main Bearing, 1999-up bt
31-4036-S	25588-57	Bushing, Cam, #2, Bronze, 1957-'90 xl
31-4037-S	25586-37	Bushing, Cam, #1/3/4, Bronze, 1957-up xl
31-4050	8881	Race, Right, Main Bearing, Standard, 1987-2003 xl
31-4051	11124	Seal, Gearcover Cam, 1.125" x 1.561" x .250", 1971-up xl

VVT to OEM Cross Reference Chart

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31-4055	24647-87	Bearing, Assembly, Right, Main, Blue
31-4056	24650-87	Bearing, Assembly, Right, Main, Red
31-4057	24659-87	Bearing, Assembly, Right, Main, White
31-4058	24660-87	Bearing, Assembly, Right, Main, Green
31-4059	24729-74, 48302-85	Bearing, Assembly, Left, Main, 1974-03 xl
31-4060	35151-74A	Seal, Left, Main Bearing, 1.500" x 2" x .313", 1974-up xl
31-4061	9057	Bearing, Assembly, Needle, Cam, Late 1958-'90 xl
31-4062	9155	Spacer, Left, Main Bearing, .098", 1974-2003 xl
31-4064	9143	Spacer, Left, Main Bearing, .1015" - .1025", 1974-2003 xl
31-4065	9144	Spacer, Left, Main Bearing, .1035" - .1045", 1974-2003 xl
31-4066	9145	Spacer, Left, Main Bearing, .1055" - .1065", 1974-2003 xl
31-4067	9146	Spacer, Left, Main Bearing, .1075" - .1085", 1974-2003 xl
31-4068	9147	Spacer, Left, Main Bearing, .110", 1974-2003 xl
31-4070	9149	Spacer, Left, Main Bearing, .114", 1974-2003 xl
31-4071	9124	Spacer, Left, Main Bearing, .100", Steel, 1969-'99 bt
31-4072	9125	Spacer, Left, Main Bearing, .102", Steel, 1969-'99 bt
31-4073	9126	Spacer, Left, Main Bearing, .104", Steel, 1969-'99 bt
31-4074	9127	Spacer, Left, Main Bearing, .106", Steel, 1969-'99 bt
31-4075	9128	Spacer, Left, Main Bearing, .108", Steel, 1969-'99 bt
31-4076	9134	Spacer, Left, Main Bearing, .120", Steel, 1969-'99 bt
31-4080	9198	Bearing, Assembly, Inner, Needle, Cam, .875" x 1.125" x .500", 1999-2006 bt except 2006 Dyna
31-4081	8990, 8990A	Bearing, Outer, Ball, Cam, .7874" x 1.6535" x .4724"
31-4085	24604-00D	Bearing, Right, Main, S&S Crankcases 1999-'06 bt, 2000-up Bal bt, 2003-up NB bt
31-4101	63805-80A	Filter, Oil, SB, SH & V-Series, Black
31-4102	63796-77A	Filter, Oil, SB, SH & V-Series, Chrome
31-4103	63731-99A	Filter, Oil, T-Series S&S X-Wedge, Black
31-4104	63798-99A	Filter, Oil, T-Series & X-Wedge, Chrome
31-4199-S	9215	Bearing, Inner, Needle, Cam, 1.0" x 1.25" x .50"
31-4499	9215	Bearing, Assembly, Inner, Needle, Cam, 2006-up bt, 2 Pk
31-6004	26327-68	Shaft, Idler, .4243" x 1.3350", Cold Drawn Steel, AISI 1215, 1968-'99 bt
31-6005	26227-58	Seal, Oil Pump Drive Shaft, 1968-up bt
31-6011	26346-70	Shaft, Drive, Oil Pump, .4223" x 4.650", Cold Drawn Steel, AISI 1146, 1968-'99 bt
31-6013	26315-68A	Gear, Return Drive, 1968-'99 bt
31-6014	26317-68A	Gear, Return Idler, 1968-'99 bt
31-6015	26328-74, 26320-36	Gear, Supply Drive, 1936-up bt
31-6016	26326-62A	Gear, Idler, 1962-'67 ret, 1968-'99 supply ohbt
31-6018	26207-83	Spring, Relief Valve, .040" Wire, .242" x .324" x 2.32", ASTM A-229, 1936-'99 bt
31-6021	26263-80, 26362-36	Screw, Oil Pump/Check Valve/Relief Valve, Bright Zinc Plated, Steel
31-6022	26363-36, 26363-56, 26262-80	Spring, Check Valve, .020" Wire, .265" x .319" x 1.940", Music Wire, 1936-'99 bt
31-6026	63610-70, 63614-72, 26383-32	Screw, Chain Oiler, Zinc, Steel
31-6082	26400-82, 26400-82B	Valve, Pressure Relief, Oil Pump, 1984-'99 bt
31-6084	26207-83	Spring, Relief Valve, 1936-'99 bt, 10 Pk
31-6092	26363-36, 26363-56, 26262-80	Spring, Check Valve, 1936-'99 bt, 10 Pk
31-6200	31-6250, 31-6251	Oil Pump, Kit, Universal, Polished, Billet, 1936-'69 bt
31-6203		Oil Pump, Kit, Universal, Polished, Billet, 1970-'91 bt

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31-6205		Oil Pump, Kit, Universal, Polished, Billet, 1992-'99 bt
31-6283		Hardware Kit, Oil Pump Cover, Billet, 1936-'91 bt
31-6288		Hardware Kit, Oil Pump Mounting, Billet, 1936-up bt
31-6291		Hardware Kit, Chain Oiler, 1936-'91 bt
31-6295		Oil Pump, Kit, Universal, w/ Gears, Polished, Billet, 1978-'91 bt
31-6296		Oil Pump, Kit, w/ Gears, Pre-1989 Pinion Shaft, Polished, Billet, 1992-'99 bt
31-6510	26261-99	Bracket, Assembly, Oil Filter, Polished, 1999-up bt
31-6516		Cover, Cam Chest, Polished, 1999-up bt
31-7005	26263-80, 26362-36	Screw, Oil Pump/Check Valve/Relief Valve, Bright Zinc Plated, Steel, 5 Pk
31-7008	24981-70	Screen, Crankcase Oil, 5 Pk
31-9155		Engine, Assembled, V96R, Super E 50 State, Super Stock Ignition, Natural, Cast, 1984-'98 bt
31-9156		Engine, Assembled, V96, Super E 50 State, Super Stock Ignition, WBlack, Cast, 1984-'98 bt
31-9851		Engine, Assembled, SH80, Natural w/ Black, Billet, OEM, 1970-84 bt
310-0025		Engine, Assembled, KN74, Super E, Super Stock Ignition, High Temp BlackCyl/Heads, Cast, 1936-'47 OHV bt
310-0232		Engine, Assembled, V80, 508 Cam, Natural, Cast, 1984-'99 bt
310-0233		Engine, Assembled, V80, 508 Cam, WBlack, Cast, 1984-'99 bt
310-0237		Engine, Assembled, V80, Super E, Super Stock Ignition, 508 Cam, Natural, Cast, 1984-'99 bt
310-0238		Engine, Assembled, V80, Super E, Super Stock Ignition, 508 Cam, WBlack, Cast, 1984-'99 bt
310-0239	63805-80A	Filter, Oil, SB, SH S&S V-Series, Black, 12 Pk
310-0240	63796-77A	Filter, Oil, SB, SH S&S V-Series, Chrome, 12 Pk
310-0241	63731-99A	Filter, Oil, T-Series S&S X-Wedge, Black, 12 Pk
310-0242	63798-99A	Filter, Oil, T-Series S&S X-Wedge, Chrome, 12 Pk
310-0284	63799-65A, 63840-53, 63826-53	Filter, Oil, Perf-form, Drop In, 1958-E82 bt, 1953-'73 xl S&S K Model
310-0285		Oil, Motor, S&S Cycle, Premium, Synthetic, 20W50
310-0287		Oil, Motor, S&S Cycle, Heavy Duty, 20W50
310-0289		Oil, Motor, S&S Cycle, Heavy Duty, 25W60, 12 Pk
310-0290		Oil, Primary Chain Case, S&S Cycle, Extreme Duty, 85W
310-0291		Oil, Transmission, S&S Cycle, Heavy Duty, 85W140
310-0292		Oil, Transmission, S&S Cycle, Premium Synthetic, 75W140
310-0366		Crankcase, Assembly, Stock Bore, Alternator, Silver, 2007-up bt
310-0367		Crankcase, Assembly, Stock Bore, Alternator, WBlack, 2007-up bt
310-0386	26273-80B	Gasket, Oil Pump Body, Stock, Paper, 1984-'91 bt
310-0387	26273-92	Gasket, Oil Pump Body, Stock, Paper, 1992-'99 bt
310-0388	26276-80A	Gasket, Oil Pump Cover, Stock, Paper, 1984-'91 bt
310-0389	26276-92	Gasket, Oil Pump Cover, Stock, Paper, 1992-'99 bt
310-0390		Rebuild Kit, Oil Pump, Gasket, Stock, 1984-'91 bt
310-0391		Rebuild Kit, Oil Pump, Gasket, Stock, 1992-'99 bt
310-0392		Rebuild Kit, Oil Pump, Master, Stock, 1984-'91 bt
310-0393		Rebuild Kit, Oil Pump, Master, Stock, 1992-'99 bt
310-0394	26273-80B	Gasket, Oil Pump Body, Paper, 1984-'91 bt, 10 Pk
310-0395	26273-92	Gasket, Oil Pump Body, Paper, 1992-'99 bt, 10 Pk
310-0396	26276-80A	Gasket, Oil Pump Cover, Paper, 1984-'91 bt, 10 Pk
310-0397	26276-92	Gasket, Oil Pump Cover, Paper, 1992-'99 bt, 10 Pk
310-0405	17053-99B	Gasket, Kit, Engine, Complete, 3-3/4" Bore
310-0406		Gasket, Kit, Engine, Complete, 3-7/8" Bore
310-0407	17053-99XX	Gasket, Kit, Engine, Complete, 3-3/4" Bore
310-0408		Gasket, Kit, Engine, Complete, 3-3/4" Bore

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310-0409		Gasket, Kit, Engine, Complete, 3-3/4" Bore
310-0410		Gasket, Kit, Engine, Complete, 3-7/8" Bore
310-0411		Gasket, Kit, Engine, Complete, 3-3/4" Bore
310-0412		Gasket, Kit, Engine, Complete, 3-3/4" Bore
310-0413	17041-92-A	Gasket, Kit, Complete, Stock Bore, 1992-
310-0414		Gasket, Kit, Complete, Stock Bore, 1989-
310-0415		Gasket, Kit, Complete, Stock Bore, 1984-
310-0416		Gasket, Kit, Complete, Stock Bore, 1984-
310-0417	17041-92-A	Gasket, Kit, Engine Only, Stock Bore, 19
310-0418		Gasket, Kit, Engine Only, Stock Bore, 19
310-0419	17029-66X	Gasket, Kit, Complete, Stock Bore, 1966-
310-0420	17029-70A	Gasket, Kit, Complete, Stock Bore, 1970-
310-0421	17029-80	Gasket, Kit, Complete, Stock Bore, 1980-
310-0422	17029-48	Gasket, Kit, Complete, Stock Bore, 1948-
310-0423	17042-92A	Gasket, Kit, Complete, 883, 1986-'90 xl
310-0424	17042-92A	Gasket, Kit, Complete, 883, 1991-2003 xl
310-0425		Gasket, Kit, Complete, 883, 2004-'06 xl
310-0426		Gasket, Kit, Complete, 883, 2007-up xl
310-0427	17042-92A	Gasket, Kit, Complete, 1100, 1986-'87 xl
310-0428	17026-86A	Gasket, Kit, Complete, 1200, 1988-'90 xl
310-0429	17026-91A	Gasket, Kit, Complete, 1200, 1991-2003 x
310-0430	17027-04	Gasket, Kit, Complete, 1200, 2004-'06 xl
310-0431		Gasket, Kit, Complete, 1200, 2007-up xl
310-0432	25263-90D	Gasket, Cam Cover, 2004-up xl, 5 Pk
310-0433	25263-90B	Gasket, Cam Cover, 1991-2004 xl, 5 Pk
310-0434	25263-86	Gasket, Cam Cover, 1986-'90 xl, 5 Pk
310-0435		Installation Kit, Oil Line, S&S Crankcases, 2007-up FL
310-0439		Gasket, Kit, Big Bore Kit, .040", 3-7/8"
310-0440	26077-99	Gasket, Oil Pan, 2007-up FL
310-0441	26077-99	Gasket, Oil Pan, 2007-up FL, 10 Pk
310-0442	26072-99	Gasket, Oil Pan, 2007 up Dyna
310-0443	26072-99	Gasket, Oil Pan, 2007 up Dyna, 10 Pk
310-0447		Rebuild Kit, Engine, Complete, 3-7/8" Bore, 2007-up bt
310-0448		Rebuild Kit, Engine, Complete, 3-7/8" Bore, +.010", 2007-up bt
310-0449		Service Kit, Engine Change, 2007-up Touring
310-0450		Service Kit, Engine Change, 2007-up Softail, '06-up Dyna
310-0451		Service Kit, Main Seal, 2007-up Touring
310-0452		Service Kit, Main Seal, 2006-up Dyna, '07-up bt
310-0453		Rebuild Kit, Engine, Complete, 3-3/4" Bore, 1999-'06 FL
310-0454		Rebuild Kit, Engine, Complete, 3-3/4" Bore, 2000-'06 Softail, '99-'05 Dyna
310-0455		Rebuild Kit, Engine, Complete, 3-7/8" Bore, 1999-'06 bt, '99-'05 Dyna
310-0456		Rebuild Kit, Engine, Complete, 3-7/8" Bore, +.005", 1999-'06 bt, '99-'05 Dyna
310-0457		Rebuild Kit, Engine, Complete, 3-7/8" Bore, +.010", 1999-'06 bt, '99-'05 Dyna
310-0458		Rebuild Kit, Engine, Complete, 3-7/8" Bore, 2006 Dyna
310-0459		Rebuild Kit, Engine, Complete, 3-7/8" Bore, +.005", 2006 Dyna
310-0460		Rebuild Kit, Engine, Complete, 3-7/8" Bore, +.010", 2006 Dyna
310-0461		Service Kit, Engine Change, 1994-'06 Touring, FXR
310-0462		Service Kit, Engine Change, 1994-'06 Softail, '94-'05 Dyna
310-0463		Service Kit, Main Seal, 1999-'06 Touring
310-0464		Service Kit, Main Seal, 2000-'06 Softail, '99-'05 Dyna

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310-0465		Rebuild Kit, Engine, Complete, 3-1/2" Bore, 1992-'99 bt
310-0466		Rebuild Kit, Engine, Complete, 3-1/2" Bore, +.010", 1992-'99 bt
310-0467		Rebuild Kit, Engine, Complete, 3-1/2" Bore, +.020", 1992-'99 bt
310-0468		Rebuild Kit, Engine, Complete, 3-1/2" Bore, 1984-'91 Touring, FXR
310-0469		Rebuild Kit, Engine, Complete, 3-1/2" Bore, +.010", 1984-'91 Touring, FXR
310-0470		Rebuild Kit, Engine, Complete, 3-1/2" Bore, +.020", 1984-'91 Touring, FXR
310-0471		Rebuild Kit, Engine, Complete, 3-1/2" Bore, 1989-'91 Softail, Dyna
310-0472		Rebuild Kit, Engine, Complete, 3-1/2" Bore, +.010", 1989-'91 Softail, Dyna
310-0473		Rebuild Kit, Engine, Complete, 3-1/2" Bore, +.020", 1989-'91 Softail, Dyna
310-0474		Rebuild Kit, Engine, Complete, 3-1/2" Bore, 1984-'88 Softail, Dyna
310-0475		Rebuild Kit, Engine, Complete, 3-1/2" Bore, +.010", 1984-'88 Softail, Dyna
310-0476		Rebuild Kit, Engine, Complete, 3-1/2" Bore, +.020", 1984-'88 Softail, Dyna
310-0477		Service Kit, Engine Change, 1984-'93 Touring, FXR
310-0478		Service Kit, Engine Change, 1989-'93 Softail, Dyna
310-0481		Rebuild Kit, Oil Pump, w/ Quickie Pushrods, 1992-'99 bt
310-0482		Rebuild Kit, Oil Pump, w/ Quickie Pushrods, 1984-'91 bt
310-0483		Rebuild Kit, Oil Pump, for Stock Pushrods, 1992-'99 bt
310-0484		Rebuild Kit, Oil Pump, for Stock Pushrods, 1984-'91 bt
310-0485		Service Kit, Oil Pump, w/ Quickie Pushrods, 1992-'99 bt
310-0486		Service Kit, Oil Pump, w/ Quickie Pushrods, 1984-'91 bt
310-0487		Service Kit, Oil Pump, for Stock Pushrods, 1992-'99 bt
310-0488		Service Kit, Oil Pump, for Stock Pushrods, 1984-'91 bt
310-0489		Service Kit, Main Seal, 1994-'98 FLI, FXR
310-0490		Service Kit, Main Seal, 1984-'93 FLI, FXR
310-0491		Service Kit, Main Seal, 1989-'99 Softail, Dyna
310-0492		Service Kit, Main Seal, 1984-'88 Softail, Superglide
310-0528	17026-71	Gasket, Kit, Engine, Complete, Rebuild, 900, 1957-'91 xl
310-0529	17026-72	Gasket, Kit, Engine, Complete, Rebuild, 1000, 1972-E73 xl
310-0530	17026-73L	Gasket, Kit, Engine, Complete, Rebuild, 1000, 1973-'76 xl
310-0531	17026-79	Gasket, Kit, Engine, Complete, Rebuild, 1000, 1977-'85 xl
310-0589	24004-03A	Bearing, Assembly, Sprocket, 2003-up bt (24004-03A)
310-0593	24605-07	Bearing, Roller, Pinion Shaft
310-0594	24623-99B	Bearing, Main, 88", 1999 bt
310-0600	27381-06	Sensor, Kit, Temperature, Intake Air, EFI
310-0601	35060-00	Bearing, Retention Plate
310-0608	25355-06, 25673-06	Sprocket, Kit, Cam Drive
310-0609	25364-01A, 25675-06	Chain, Primary Cam Drive
310-0610	25367-01A, 25683-06	Chain, Secondary Cam Drive
310-0611	25369-01A, 25728-06	Sprocket, Cam Drive, (25728-06), 34 Tooth
310-0612	25716-99	Sprocket, Cam Drive, (25716-99), 34 Tooth
310-0613	25609-99	Sprocket, Kit, Cam Drive
310-0614	25610-99	Chain, Primary Cam Drive, (25610-99)
310-0615	25607-99	Chain, Secondary Cam Drive, (25607-99)
310-0645	895	Bolt, Crankcase, Flanged, Gr8, 5/16-18 x 3", Zinc, 1999-up bt
310-0648	723	Plug, Oil Pump, Vent, 1970-'80 bt
32-2015	23906-74, 23906-78G, 23906-87A	Flywheel, Special Order, 1936-'99 bt

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32-2019	6506	Washer, Flywheel, Thrust, w/ 1.250" Crankpin, 1.415" x 2.329" x .065", Phosphor Bronze
32-2145	23941-95	Flywheel, Assembly, 4-1/4" Stroke, 8-1/2" Diameter, Notched, Balanced, 1995-'98 bt
32-2239	23906-90, 23906-93B, 23906-90A	Flywheel, Assembly, 4-1/4" Stroke, 8-1/2" Diameter, Balanced, 1984-'99 bt
32-3013	23925-37	Flywheel, 3-13/16" Stroke, 7-7/8" Diameter, WR/KR
32-3014		Flywheel, Special Order, 1957-2003 XL, 1994-2002 Buell
320-0052		Flywheel, Assembly, 3-13/16" Stroke, 7-7/8" Diameter, Balanced for 92-2016 Piston, 1986-'90 xl
320-0053		Flywheel, Assembly, 3-13/16" Stroke, 7-7/8" Diameter, Balanced for 92-2016 Piston, 1991-2003 xl
320-0352		Flywheel, Assembly, 4-3/8" Stroke, SF3, Tapered Wristpin, 7.659" Rod, w/ Sprocket Bearing Race, 1035 TPW, 2007-up bt Bt
320-0358		Flywheel, Assembly, 4-3/8" Stroke, SF3, Tapered Wristpin, 7.659" Rod, w/ Sprocket Bearing Race, 1035 tpw, 2007-up bt Bt (B Style)
320-0392	23955-06B	Flywheel, Assembly, 4" Stroke, SF3, Full Width Wristpin, 7.667" Rod, w/ Sprocket Bearing Race, 1230 tpw, 2007-up bt
320-0396		Flywheel, Assembly, 4" Stroke, SF3, Full Width Wristpin, 7.667" Rod, w/ Sprocket Bearing Race, 1230 tpw, 2003-2006 bt Excp't '06 Dyna(B)
320-0397	23902-00D	Flywheel, Assembly, 4" Stroke, SF3, Full Width Wristpin, 7.667" Rod, w/o Sprocket Bearing Race, 1230 tpw, 2000-2006 bt Bt (B Style)
320-0402	23904-03B	Flywheel, Assembly, 4" Stroke, SF3, Full Width Wristpin, 7.667" Rod, w/ Sprocket Bearing Race, 1230 tpw, 2003-'06 bt except '06 Dyna
320-0403		Flywheel, Assembly, 4" Stroke, SF3, Full Width Wristpin, 7.667" Rod, w/o Sprocket Bearing Race, 1230 tpw, 1999-2006 bt Bt
33-1011	25554-36	Washer, Cam, Thrust, .820" x 1.060" x .070", Steel, 5 Pk
33-2001	24001-30	Sprocket Shaft, Assembly, 1936-'54 bt
33-2003		Sprocket Shaft, Assembly, 1965-'69 bt
33-2004		Sprocket Shaft, Assembly, 1970-'99 bt
33-2021		Pinion Shaft, Assembly, Splined, Standard, 1939-'53 bt
33-2024	24006-54A, 24006-73	Pinion Shaft, Assembly, Tapered, Standard, 1958-'81 bt
33-2027		Pinion Shaft, Assembly, Tapered, S&S Flywheels, Standard, L1981-'99 bt
33-2028		Pinion Shaft, Assembly, Tapered, S&S Flywheels, +.001", L1981-'99 bt
33-2321	24005-57	Pinion Shaft, Assembly, Tapered, Standard, 1957-'76 xl
33-2322		Pinion Shaft, Assembly, Tapered, Standard, 1977-'81 xl
33-2323	24005-80	Pinion Shaft, Assembly, Tapered, Standard, L1981-'85 xl
33-2356	24005-37	Pinion Shaft, Assembly, Tapered, Standard, 1937-'43 bt
33-4121		Gear, Pinion, Orange, 1954-E'77 bt
33-4122		Gear, Pinion, Black, 1954-E'77 bt
33-4123		Gear, Pinion, Red, 1954-E'77 bt
33-4124		Gear, Pinion, Blue, 1954-E'77 bt
33-4125	24010-54	Gear, Pinion, Green, 1954-E'77 bt
33-4126		Gear, Pinion, White, 1954-E'77 bt
33-4127		Gear, Pinion, Brown, 1954-E'77 bt
33-4128		Gear, Pinion, Yellow, 1954-E'77 bt
33-4141	24040-78	Gear, Pinion, Orange, L1977-'89 bt
33-4142	24041-78	Gear, Pinion, White, L1977-'89 bt
33-4143	24042-78	Gear, Pinion, Yellow, L1977-'89 bt
33-4144	24043-78	Gear, Pinion, Red, L1977-'89 bt
33-4145	24044-78	Gear, Pinion, Blue, L1977-'89 bt
33-4146	24045-78	Gear, Pinion, Green, L1977-'89 bt
33-4147	24046-78	Gear, Pinion, Black, L1977-'89 bt

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33-4152	24056-86	Gear, Pinion, Blue, 1986-'87 xl
33-4153	24057-86	Gear, Pinion, Red, 1986-'87 xl
33-4154	24058-86	Gear, Pinion, White, 1986-'87 xl
33-4155	24059-86	Gear, Pinion, Green, 1986-'87 xl
33-4156	24060-86	Gear, Pinion, Yellow, 1986-'87 xl
33-4162	24056-91	Gear, Pinion, Blue, 1991-'99 xl
33-4163	24057-91	Gear, Pinion, Red, 1991-'99 xl
33-4164	24058-91	Gear, Pinion, White, 1991-'99 xl
33-4165	24059-91	Gear, Pinion, Green, 1991-'99 xl
33-4166	24060-91	Gear, Pinion, Yellow, 1991-'99 xl
33-4200		Shim, Breather Gear, .325" x .740" x .100", Steel
33-4201	25320-79	Shim, Breather Gear, .325" x .740" x .110", Steel
33-4202	25322-79	Shim, Breather Gear, .325" x .740" x .120", Steel
33-4203	25325-79, 25320-82	Shim, Breather Gear, .325" x .740" x .130", Steel
33-4204	25322-82, 25327-79	Shim, Breather Gear, .325" x .740" x .140", Steel
33-4205	25325-82	Shim, Breather Gear, .325" x .740" x .150", Steel
33-4206	25327-82	Shim, Breather Gear, .325" x .740" x .160", Steel
33-4207		Shim, Breather Gear, .325" x .740" x .170", Steel
33-4215	25850-36A	Gear, Assembly, Circuit Breaker, 1936-'69 bt
33-4216	25775-36	Gear, Idler, 1936-'69 bt
33-4217	32531-36	Gear, Circuit Breaker, 1936-'69 bt
33-4221		Shim, Circuit Breaker/Idler Gear, .050"
33-4222		Shim, Circuit Breaker/Idler Gear, .054"
33-4223		Shim, Circuit Breaker/Idler Gear, .058"
33-4224		Shim, Circuit Breaker/Idler Gear, .062"
33-4225		Shim, Circuit Breaker/Idler Gear, .066"
33-4228	26318-75	Gear, Pinion, Oil Pump Drive, 1977-'87 xl
33-4230	26345-73	Gear, Pinion, Oil Pump Drive, 24 Tooth, 1973-'99 bt
33-4232	26349-73, 26349-73A	Gear, Pinion, Oil Pump Drive, 6 Tooth, 1954-'89 bt
33-4237	26349-54	Gear, Pinion, Oil Pump Drive, 6 Tooth, 1936-'53 bt
33-4241	25310-82A, 25313-77B, 25311-90	Gear, Breather, L1977-'99 bt
33-4242		Gear, Breather, +.030", L1977-'99 bt
33-4244	24023-54	Nut, Pinion Gear, 5/8-24 UNEF-3B LH x .375", Black, Steel, 4140
33-4246	25313-73	Gear, Breather, 1948-E'77 bt
33-4247		Gear, Breather, +.030", 1948-E'77 bt
33-4249		Shim, Kit, .100" - .170", Steel, 8 Pk
33-4253		Gear, Kit, Breather, 1948-E'77 bt
33-4263		Gear, Kit, Breather, +.030", 1948-E'77 bt
33-4289	24703-54B	Spacer, Oil Pump Drive Gear, .740" x .900" x .320", Black, Steel, 1954-'89 bt
33-5062		Camshaft, 450S, 1948-'69 bt
33-5175		Installation Kit, Cam, Chain Drive, 1999-'06 bt except '06 Dyna
33-5200	25550-36	Washer, Cam, Thrust, .820" x 1.060" x .050", Steel
33-5201	25550-57A	Washer, Cam, Lock, .062", Steel, 1958-'99 bt
33-5202	25551-36	Washer, Cam, Thrust, .820" x 1.060" x .055", Steel
33-5203	25552-36	Washer, Cam, Thrust, .820" x 1.060" x .060", Steel
33-5204	25553-36	Washer, Cam, Thrust, .820" x 1.060" x .065", Steel
33-5205	25554-36	Washer, Cam, Thrust, .820" x 1.060" x .070", Steel
33-5206	25555-36	Washer, Cam, Thrust, .820" x 1.060" x .075", Steel
33-5207	25556-36	Washer, Cam, Thrust, .820" x 1.060" x .080", Steel

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33-5209	25558-36	Washer, Cam, Thrust, .820" x 1.060" x .090", Steel
33-5210	25551-58	Washer, Cam, Thrust, Double, .062", Steel
33-5213	25550-57A	Washer, Cam, Lock, .062", Steel, 5 Pk
33-5301		Tappet Guide, Set, Stock Style, Natural, Cast, 1984-'99 bt
33-5302	18633-48	Gasket, Set, Tappet Guide, 1948-'99 bt
33-5302F	18634-48C	Gasket, Front, Tappet Guide, 1948-'99 bt
33-5302R	18633-48B, 18633-48D	Gasket, Rear, Tappet Guide, 1948-'99 bt
33-5303-2	18635-99B	Gasket, Set, Tappet Cover, 1999-up bt
33-5303-S	18635-99B	Gasket, Tappet Cover, 1999-up bt
33-5313		Gasket, Set, Tappet Guide, 1948-'99 bt, 10 Pk
33-5313F	18634-48C	Gasket, Front, Tappet Guide, 1948-'69 bt, 10 Pk
33-5313R	18633-48D	Gasket, Rear, Tappet Guide, 1948-'99 bt, 10 Pk
33-5324	33-5301BLK	Tappet Guide, Set, Stock Style, WBlack, Cast, 1984-'99 bt
33-5332	18555-36	Screw, Pushrod Adjustment, Black, Steel, 1936-'84 bt
33-5350	18538-99A, 18538-99B, 18538-99C	Tappet, Set, Hydraulic, 1999-up bt, 2000-up xl
33-5352	18523-86A	Tappet, Set, Hydraulic, 1984-'99 bt, 1986-'90 xl
33-5375		Tappet Guide, Set, Stock Style, Natural, Billet, 1986-'90 xl
33-5601		Tappet Cover, Set, Stock Style, Polished, Billet, 1999-up bt
330-0164	25523-48, 25523-56	Camshaft, H-Grind, Stock, 1948-'57 bt
330-0165	25523-70	Camshaft, H-Grind, Stock, 1970-'77 bt
330-0166	25523-78	Camshaft, H-Grind, Stock, 1978-'84 bt
330-0170	25523-69	Camshaft, H-Grind, S&S Crankcases 1948-'69 bt, Stock 1958-'69 bt
330-0283	39968-06	Tensioner, Cam Chain, Primary, 2007-up bt
330-0284	39969-06	Tensioner, Cam Chain, Secondary, 2007-up bt
330-0285	39964-99A	Tensioner, Cam Chain, Secondary, 1999-'06 bt
330-0286	39965-99	Guide, Chain, 1999-'06 bt
330-0287	39954-99A	Tensioner, Cam Chain, Primary, 1999-'06 bt
330-0290		Camshaft, 495V, 1984-'99 bt
330-0293	25595-06	Camshaft, Set, Chain Drive, 474C, 2006 Dyna, 2007-up bt
330-0296		Camshaft, Set, Chain Drive, 475C, 1999-'06 bt except '06 Dyna
330-0304		Service Kit, Cam, w/ Stock Cams, 2006-up Dyna, '07-up bt
330-0305		Service Kit, Cam, w/o Cams, 2006-up Dyna, '07-up bt
330-0306		Service Kit, Cam Chain Tensioner, 2006-up Dyna, '07-up bt
330-0307		Service Kit, Tappets and Pushrod Kit, 1999-up bt
330-0308		Service Kit, Tappets and Pushrod Cover, 1999-up bt
330-0309		Service Kit, Cam, w/ Stock Grind Cams, 1999-'06 bt, '99-'05 Dyna
330-0310		Service Kit, Cam, w/o Cams, 1999-'06 bt, '99-'05 Dyna
330-0311		Service Kit, Cam Chain Tensioner, w/ Quickie Pushrods, 1999-'06 bt, '99-'05 Dyna
330-0312		Service Kit, Cam Chain Tensioner, 1999-'06 bt, '99-'05 Dyna
330-0313		Service Kit, Tappets, w/ Quickie Pushrods, 1984-'99 bt
330-0314		Service Kit, Tappets, w/o Pushrods, 1992-'99 bt
330-0315		Service Kit, Tappets, w/o Pushrods, 1984-'91 bt
330-0316		Service Kit, Tappets, When Replacing Cam-not included, w/ Quickie Pushrods, 1984-'99 bt
330-0318		Service Kit, Cam and Tappets, w/ Quickie Pushrods, 1984-'99 bt
330-0319		Service Kit, Cam and Tappets, for Stock Pushrods, 1992-'99 bt
330-0320		Service Kit, Cam and Tappets, for Stock Pushrods, 1984-'91 bt
330-0321		Service Kit, Tappets, When Replacing Cam-not included, for Stock Pushrods, 1992-'99 bt

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330-0322		Service Kit, Tappets, When Replacing Cam-not included, for Stock Pushrods, 1984-'91 bt
330-0377	18534-29A	Roller, Assembly, Tappet, 1929-'84 bt, 1952-'85 xl, 4 Pk
330-0379	17920-53A	Tappet, Assembly, Hydraulic, 1953-'84 bt
330-0380	25556-36, 18522-53A	Tappet, Hydraulic, Roller, 1953-'84 bt, 4 Pk
330-0381		Tappet, Hydraulic, Roller, .003" Oversized, 1953-'84 bt, 4 Pk
330-0396	23928-87	Race, Inner, Bearing, Pinion Shaft, 1987-1998 bt
34-2001		Crankpin, Assembly, Stepped, Stock Threads, 1.250", 1937-'52 EL, 1940-'48UL/ULH
34-2002	23961-41	Crankpin, Stock Threads, 1.249", 1941-'81 bt
34-2003		Crankpin, Assembly, Tapered, 1.249", 1941-'81 bt
34-2102	23961-80A	Crankpin, Assembly, Tapered, 1.249", 1981-'99 bt
34-2103	23974-87	Crankpin, Assembly, Tapered, 1.250", 1981-'99 bt
34-2104	23967-54A, 23969-83, 23901-81, 23981-98	Nut, HH, 1-20 UNEF-3B x .346", Black, Steel, 4140
34-2105	23975-87	Crankpin, Assembly, Tapered, 1.251", 1981-'99 bt
34-2602	23960-80A	Crankpin, Assembly, Tapered, 1981-'99 xl
34-2603	23948-87	Crankpin, Assembly, 1.250", 1981-'99 xl
34-2605	23949-87	Crankpin, Assembly, Tapered, 1.251", 1981-'99 xl
34-4005	24356-36A	Race, Front, Connecting Rod, 1941-'99 bt
34-4006	24345-36A	Race, Rear, Connecting Rod, 1941-'99 bt
34-4007	24334-36	Bushing, Wristpin, .767" x .895" x 1.077", Bronze, 1941-'99 bt
34-4010	24346-87A, 24385-40B	Bearing, Assembly, Connecting Rod, 1.25", 1941-'99 bt
34-4020		Bearing Cage, Set, Connecting Rod, 1.25", Alloy, bt
34-4033	9186	Bearing, Front, Rod, Standard, Alloy
34-4034	9441A	Bearing, Rear, Rod, Standard, Alloy
34-4040		Rebuild Kit, Connecting Rod, Race & Bushing, 1941-'99 bt
34-4505	24352-52A	Race, Front, Connecting Rod, 1957-'99 xl
34-4506	24341-52A	Race, Rear, Connecting Rod, 1957-'99 xl
34-4507	24331-36	Bushing, Wristpin, .767" x .895" x .950", Bronze, 1954-up xl
34-4521	24354-87A	Bearing, Set, Rod, Standard, Alloy
34-7004	24281-41A, 24281-74A	Connecting Rod, Set, Heavy Duty, IBC, .791" WP, 7.440", 1941-E'81 bt
34-7011		Connecting Rod, Set, Heavy Duty, IBC, .791" WP, 7.440", L1981-'84 bt
34-7013	24281-80, 24281-83	Connecting Rod, Set, Heavy Duty, IBC, .792" WP, 7.440", 1984-'99 bt
34-7500		Connecting Rod, Set, Heavy Duty, ABC, .791" WP, 7.440", 1957-E'81 xl
34-7510		Connecting Rod, Set, Heavy Duty, ABC, .791" WP, 7.440", L1981-'85 xl
34-7710		Connecting Rod, Set, Supreme, ABC, Stock Bore, .791" WP, 7.440", 1957-E'81 xl
34-7800	24275-86A	Connecting Rod, Set, Heavy Duty, ABC, .792" WP, 6.926", 1986-'99 xl
50-0008	4740A, 3482A	Screw, SHCS, 1/4-20 x 1-1/4", Zinc
50-0010-S	3480A, 891, 4810	Screw, SHCS, 1/4-20 x 1-3/4", Zinc
50-0013	25794-36	Screw, SHCS, 1/4-20 x 2", Zinc, ASTM A574-92A
50-0023	4091	Screw, SHCS, 10-24 x 3/8", Chrome, Steel
50-0044	2720	Screw, SHCS, 10-24 x 1", Alloy Steel
50-0054-S	68042-99	Screw, Torx Panhead, Tri-Lobe, 8-32 x 3/8", Zinc, Steel
50-0068	3770	Screw, DHH, 12 pt, 1/4-20 x 7/8", Zinc, Steel
50-0068P	3770	Screw, DHH, 12 pt, 1/4-20 x 7/8", Zinc, Steel, 4 Pk
50-0071	3594	Screw, SHC, 1/4-20 x 5/8", Zinc, Steel

VVT to OEM Cross Reference Chart

VVT	OEM	DESCRIPTION
50-0072	1305	Screw, PH, 1/4-20 x 1", Nickel, Stainless Steel
50-0078	4717A	Screw, SHCS, 1/4-20 x 2-1/4", Zinc, ASTM A574-92A
50-0079	4718A	Screw, SHCS, 1/4-20 x 1-1/2", Zinc, ASTM A574-92A
50-0080	2872W	Screw, HHC, Gr5, 1/4-20 x 1-1/2", Zinc, Steel
50-0084	852	Screw, SHCS, 1/4-20 x 1", Zinc, ASTM A574-92A
50-0092-S	4741A	Screw, SHCS, w/ Flat Washer, 1/4-20 x 1", Zinc, ASTM A574-92A
50-0092P	4741A	Screw, SHCS, w/ Flat Washer, 1/4-20 x 1", Zinc, ASTM A574-92A, 4 Pk
50-0100	25566-06	Screw, HHC, Flanged, Gr8, 5/16-18 x 3/4", Black, Steel
50-0101	3201WA, 2708	Screw, SHC, 5/16-18 x 1", Zinc, ASTM A574-92A
50-0104	3501A	Screw, HHC, Gr8, 5/16-18 x 2-1/2", Zinc, Steel
50-0108	3987	Bolt, Hex Head, Gr5, 5/16-18 x 1", Zinc
50-0117	3427	Screw, HHC, Gr8, 5/16-18 x 3-1/2", Zinc, Steel
50-0118	876A	Screw, SHC, 5/16-18 x 2-1/2", Zinc, ASTM A574-92A
50-0119	3430	Screw, HHC, Gr8, 5/16-24 x 5", Zinc, Steel
50-0121	3210A	Screw, SHC, 5/16-18 x 1-1/4", Zinc, ASTM A574-92A
50-0123	3501	Screw, HHC, Flanged, 5/16-18 x 2-1/2", Zinc, Steel
50-0168	4716W	Screw, HHC, 3/8-16 x 1-1/4", Zinc, Steel
50-0176	4726	Screw, HHC, 7/16-20 x 1-1/4"
50-0257-S	4740A	Screw, SHCS, 1/4-20 x 1-1/4", Chrome, ASTM A574-92A
50-0302-S	3275	Screw, SHCS, 5/16-18 x 3/4", Zinc, ASTM A574-92A
50-0334-S	905	Screw, SFH, 1/4-20 x 1-3/4", Black, Alloy Steel
50-0353-S	1601	Screw, FHCS, 8-32 x 1/2", Stainless Steel
50-0358-S		Screw, Torx, M4 x 12mm, Zinc, Steel
50-0376-S		Clamp, Ignition Wire
50-0391-S		Clamp, Fuel Tube, Plated
50-0466		O-ring, (-017), .676" ID x .816" OD, Black, Viton
50-0485	27221-95	Tube, Fuel Inlet, 45° Bend, 5/16" x .028", Stainless Steel
50-0493	16715-83	Stud, Exhaust Port, 5/16-18, 5/16-24 x 1.910", Zinc, Steel
50-1001	7593	Nut, HSFH, 5/16-24 UNF-2B x .283", Zinc, Steel, 5 Pk
50-1004	11177A	Retaining Ring, External, Pinion Bearing, 1.160" x 1.480" x .046", 5 Pk
50-1007	26338-68A, 26561-81A, 26561-84A, 26338-68	Fitting, Pipe, 90°, Male/Female, 1/8-27 NPTF x .500", Zinc, Steel, 5 Pk
50-1008	23985-54	Key, Woodruff, .094" x .500" x .491", Steel, 5 Pk
50-1009	11218	Key, Woodruff, .125" x .375" x .374", Steel, 5 Pk
50-1015	45830-48	Plug, Pipe, 3/4 Taper, 1/8-27 NPTF x .188", Zinc, Steel, 10 Pk
50-1028	16715-83	Stud, Exhaust Port, 5/16-18 UNC, 5/16-24 UNF x 1.91, Zinc, Steel, 5 Pk
50-5000	7634, 7638	Nut, HH, 10-32 UNF-2B x .130", Zinc, Steel
50-5023	7833, 7883	Nut, HH, 5/16-24 UNF-2B x .273", Zinc, Steel
50-5025-2		Nut, HSFH, 5/16-24 UNF-2B x .283", Zinc, Steel, 2 Pk
50-5025-S	7593	Nut, HSFH, 5/16-24 UNF-2B x .283", Zinc, Steel
50-5037	7861	Nut, HH, 3/8-24 UNC-2B x .337", Zinc, Steel
50-5044		Nut, HH, 7/16-14 UNC-3B x .260", Zinc, Steel
50-5045	7825	Nut, Lock, HH, 7/16-20, Steel/Nylon
50-7008	6150, 6156	Washer, Flat, .192" x .400" x .035", Brass
50-7009	6150W	Washer, Flat, .192" x .312" x .035", Passivate, Stainless Steel
50-7013		Washer, Flat, .260" x .425" x .060", Chrome, Steel, 12 Pk
50-7015		Washer, Flat, .255" x .438" x .024", Rubber Coated, Steel
50-7015-12		Washer, Flat, .255" x .438" x .024", Rubber Coated, Steel, 12 Pk
50-7015-8		Washer, Flat, .255" x .438" x .024", Rubber Coated, Steel, 8 Pk
50-7017		Washer, Flat, .260" x .425" x .060", Chrome, Steel

VVT	OEM	DESCRIPTION
50-7018	6114	Washer, Flat, .250" x .625" x .031", Copper
50-7019	7035, 7036	Washer, Lock, .250"
50-7020	6099	Washer, .261" x .474" x .050", Annealed, Stainless Steel
50-7021	6194, 6245, 6703, 6736, 6228W, 6192	Washer, Flat, .281" x .625" x .080", Zinc, Steel
50-7025	6771	Washer, Flat, .325" x .548" x .062", Zinc, Low Carbon Steel
50-7032	7041	Washer, Lock, .332" x .583" x .078", Zinc, Steel
50-7034	6320, 70907-07, 6016, 6702	Washer, Flat, .344" x .688" x .065", Zinc, Steel
50-7052	7038	Washer, Lock, .385" x .680" x .094", Zinc, Steel
50-7064	6495HW	Washer, Flat, .469" x .922" x .125", Zinc, Steel
50-7131	6762B	Washer, Flat, .715" x .950" x .031", Steel
50-7150	6737	Washer, .903" x 1.053" x .034", Light Oil, Cold Rolled Steel
50-7165		Valve Keeper, 1936-84 bt, 8 Pk
50-7166	18229-83	Valve Keeper, 1984-2005 bt, 1986-2003 xl, 8 Pk
50-8004	11167	O-ring, (-120), 1" ID x 1.875" OD, Viton
50-8005	11168A	O-ring, (-022), 1" ID x .125" OD, Black, Viton
50-8006	11110	O-ring, (-012), .375" ID x .500" OD, Viton
50-8008	11105, 11273	O-ring, (-013), .437" ID x .565" OD, Viton
50-8017	585-30, 377, 378	Pin, Dowel, .370" x .750", Steel
50-8018	24754-75, 24754-75A	Pin, Dowel, .430" x .499", Steel
50-8022	358, 366	Pin, Dowel, .250" x .500", Steel
50-8022-2		Pin, Dowel, .250" x .500", Steel, 2 Pk
50-8023	16574-99A, 16573-83, 16573-83A	Pin, Dowel, .557" x .500", Black, Steel
50-8025	255	Pin, Roll, Coiled, .120" x .500", Steel
50-8029	375	Pin, Dowel, .308" x .700", Steel
50-8030		Pin, Roll, .138" x .500", Steel
50-8033	11270	O-ring, (-114), .625" ID x .812" OD, Black, Viton
50-8034	26432-76A	O-ring, Oil Return, (-015), .562" ID x .068" OD, Black, Viton, 1984-99 bt, 2 Pk
50-8034-S	26432-76A	O-ring, (-015), .562" ID x .068" OD, Black, Viton
50-8037	11145A	O-ring, (-118), .875" ID x 1.062" OD, Viton
50-8038	11132A	O-ring, (-115), .687" ID x .875" OD, Black, Nitrile
50-8039	11293, 11157, 11101, 11190	O-ring, (-209), .687" ID x .937" OD, Viton
50-8045	11165	O-ring, Quad Seal, (-031), 1.734" X 1.875", Black, Nitrile
50-8046	27060-55	O-ring, (-326), 1.625" ID x 2" OD, Black, Viton
50-8048	11256	O-ring, (-155), 3.987" ID x 4.193" OD, Viton
50-8051	11161, 11599	Retaining Ring, Internal, 3.734" x .109", Carbon Steel, SAE 1060-1090
50-8052	35038-84, 35038-89	Retaining Ring, Internal, 2.702" x .078", Carbon Steel, SAE 1060-1090
50-8053	35021-89	Retaining Ring, Internal, 2.054" x .062", Carbon Steel, SAE 1060-1090
50-8057	11177A	Retaining Ring, External, Pinion Bearing, 1.160" x 1.480" x .046", Carbon Steel, SAE 1060-1090
50-8058	695-36, 26348-36	Retaining Ring, Oil Pump Drive Shaft, SAE 1060-1090
50-8059	11002	Retaining Ring, Oil Pump Drive Gear, Carbon Steel, SAE 1060-1090
50-8061	11461, 11494	Retaining Ring, External, Tri-arc, .722" x .042", Steel, SAE 1060-1090
50-8064-S	11133A	O-ring, Quad Seal, (-119), .937" ID x 1.125" OD, Viton
50-8066-S	11301	O-ring, (-110), .375" ID x .562" OD, Viton
50-8077	11110	O-ring, (-012), .375" ID x .500" OD, Viton, 10 Pk
50-8078	11105, 11273	O-ring, Oil Return, (-013), .437" ID x .565" OD, Viton, 10 Pk
50-8080	5226B	Stud, Shifter Shaft, 1/4-20, 1/4-28 x 1.250"
50-8084	11733A	Stud, 3/8-24 UNF, 7/16-14 ONF x 1.30, Zinc

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VVT	OEM	DESCRIPTION
50-8091	8866, 8873	Ball, Check Valve, .375", Stainless Steel
50-8105	358, 366	Pin, Dowel, .250" x .500", Steel, 5 Pk
50-8106	26348-36	Retaining Ring, External, .382" x .021", 10 Pk
50-8107	11002	Retaining Ring, External, Tru-arc, .366" x .025", 10 Pk
50-8109	16574-99A, 16573-83, 16573-83A	Pin, Dowel, .557" x .500", Black, Steel, 10 Pk
50-8115		Fitting, Hose, Straight, 1/8-27 NPTF x .500", Zinc, Steel
50-8120	63523-92, 63523-62	Fitting, Compression, Male/Female, 1/8-27
50-8130	11140, 11273	O-ring, (-014), .500" ID x .625" OD, Nitrile, 10 Pk
50-8132	27060-55	O-ring, (-326), 1.625" ID x 2" OD, Black, Viton, 10 Pk
50-8137-S	27237-95	O-ring, (-109), .299" ID x .500" OD, Viton
50-8148-S	16589-99A	Pin, Dowel, .275" x .397", Steel
50-8160-S	35114-02	Retaining Ring, Internal, 2.731" x .031" x .158", Steel, SAE 1070-1090
50-8171	337	Pin, Dowel, .312" x 1", Steel
50-8173	609	Pin, Roll, .392" x .320", Steel
50-8175	634	Pin, Roll, .328" x .760", Zinc, Steel
50-8177	16595-99A	Pin, Dowel, .437" x .610", Steel
50-8177-4	16595-99A	Pin, Dowel, 1999-up bt, 4 Pk
50-8195	18535-99	Pin, Dowel, 1999-up bt, 2 Pk
50-8195-S	18535-99	Pin, Dowel, .250" x 1.750", Alloy
50-8197-S	26352-95A	Fitting, Straight, 3/4-16 UNF 2A x 1", Steel
50-8220-S	26347-15	Key, Woodruff, .094" x .313" x .311", Steel
50-8221-S	23985-54	Key, Woodruff, .094" x .500" x .491", Steel
50-8222-S	11218	Key, Woodruff, .125" x .375" x .374"
50-8229	26348-15, 26347-15	Key, Woodruff, .094" x .313" x .311", Steel, 10 Pk
50-8264-S		O-ring, .290" ID x .570" OD, Black
50-8330	765	Plug, Pipe, 3/4 Taper, 1/4-18 NPTF x .460", Zinc, Steel
50-8331	45830-48	Plug, Pipe, 3/4 Taper, 1/8-27 NPTF x .188", Zinc, Steel
50-8334	739A	Plug, Pipe, Magnetic, 1/8-27 NPTF x .375", Zinc, Steel
50-8346-S	10006, 10065	Wire, Tie, 8", Black, Nylon
500-0312	6019	Washer, (6019)
500-0313	6294	Washer, Pinion, Drive Gear, Twincam
500-0315	7753	Nut, Hex
500-0318	3692A	Screw, Rocker Cover, 5/16-18 x 1", 1999-up bt
500-0319	3693A	Screw, Rocker Cover, 5/16-18 x 1-3/4", 1999-up bt
530-0006		Tool, Kit, Transmission, Drill S&S Tap, 2007-up Touring
55-1014	32446-99	Sensor, Temperature, Cylinder Head, 4-1/8" 1984-'99 bt, 1999-up bt
55-1051	32707-01B, 32707-01C	Sensor, Kit, Crank Position, 1984-2007 bt
55-1247	32402-83, 32401-80	Cup, Kit, Rotor, Ignition, Super Stock
55-1248		Switch, VOES, Super Stock Ignition, w/ Connectors, Packaged
55-1320	32317-86A, 32362-04	Spark Plug, Resistor, 12mm
55-1321	32342-04, 32311-83	Spark Plug, Resistor, 14mm
55-1322	32317-86A, 32362-04	Spark Plug, Resistor, 12mm, 2 Pk
55-1323	32342-04, 32311-83	Spark Plug, Resistor, 14mm, 2 Pk
55-1576	31655-99	Coil, Ignition, Single Fire, 1/2 ohm
55-5041	27270-95	Sensor, Kit, Temperature, Intake Air
55-5057	32424-98, 32416-10, 32417-10	Sensor, MAP, IST

VVT	OEM	DESCRIPTION
55-5058	27271-95	Sensor, Kit, Throttle Position, VFI
55-5085	27628-01, 27628-01A	Motor, Kit, Idle Air Control, EFI
55-5090		Module, Kit, VFI, Delphi, Pro Tune II Software, 2001-up bt except '08-up Touring
550-0273	31621-06, 31621-06A	Starter, Motor, 1.4KW, Black, 2006-up Dyna, 2007-up bt
550-0274	31621-06, 31621-06A	Starter, Motor, 1.4KW, Chrome, 2006-up Dyna, 2007-up bt
550-0276	31558-94, 31559-99	Starter, Motor, 1.4KW, Black, 1989-2006 bt includes special bolt for 89-93 applications
550-0277	31558-94, 31559-99	Starter, Motor, 1.4KW, Chrome, 1989-2006 bt includes special bolt for 89-93 applications
550-0280	31390-86, 31390-91, 31533-81	Starter, Motor, 1.4KW, Chrome, 1981-'13 xl, '83-'85xlk1000, '83-'84 xl1000
550-0281	31570-73	Starter, Motor, Hitachi Type, Chrome, 1974-1988 bt, xlh
550-0282	31570-73	Starter, Motor, Hitachi Type, Black, 1974-1988 bt, xlh
550-0283	31458-66	Starter, Motor, Prestolite, Black, 1966-1982 FL
550-0284	31458-66	Starter, Motor, Prestolite, Chrome, 1966-'82 FL, xl
550-0285		Charging System, Complete, 2006-2007 Dyn
550-0286		Charging System, Complete, 2007 Softail
550-0287		Charging System, Complete, 2004-2005 FLH
550-0288		Charging System, Complete, 2006 FLH, FLT
550-0289		Charging System, Complete, 2007-2008 FLH
550-0290		Charging System, Complete, w/o Oil Cooler, 09-10 FLH, flt
550-0291		Charging System, Complete, w/ Oil Cooler 09-10 FLH flt
550-0292		Charging System, Complete, 2011-2013 FLH
550-0293		Charging System, Complete, 1999-2003 FLH
550-0294		Charging System, Complete, 2008-2011 Dyn
550-0295		Charging System, Complete, 2008-2011 Sof
550-0296		Charging System, Complete, 2012-2013 Dyn
550-0297		Charging System, Complete, 2012-2013 Sof
550-0298		Charging System, Complete, L1984-1990 xl
550-0299		Charging System, Complete, (not stock 70-98 bt
550-0300		Charging System, Complete, 1991-1993 xl
550-0301		Charging System, Complete, 1994-2003 xl
550-0302		Charging System, Complete, 2007-2008 883
550-0303		Charging System, Complete, 2007-2008 120
550-0304		Charging System, Complete, 2009-2013 883
550-0305		Charging System, Complete, 2009-2013 120
550-0306		Charging System, Complete, 1989-1998 bt
550-0307		Charging System, Complete, 1989-1999 Sof
550-0308		Charging System, Complete, 1999-2003 Dyn
550-0309		Charging System, Complete, 2000 All Soft
550-0310		Charging System, Complete, 38-3 phase, Upgrade 84-98 FLH, flt, fxr
550-0311		Charging System, Complete, 50a-3 phase, Upgrade 89-98 FLH flt fxr 50a
550-0312		Charging System, Complete, 2001-2006 All softail
550-0313		Charging System, Complete, 2004-2005 Dyn
550-0314	74512-79A	Regulator, 1976-1980 bt
550-0317	29987-02	Stator, 38-48A, 2002-2005 FLH, FLT
550-0318	29987-99	Stator, 38-48A, 1999-2001 FLH, FLT
550-0319	74505-95	Regulator, 1995-1996 FLHT Injected Model
550-0320	74505-02	Regulator, Chrome, 2002-2003 FLH, FLT
550-0321	74505-04	Regulator, Chrome, 2004-2005 FLH, FLT

VVT to OEM Cross Reference Chart

VVT	OEM	DESCRIPTION
550-0322	74505-97	Regulator, Black, 2000-2001 FLH, FLT
550-0323	29965-75	Stator, 18A, 1976-1980 bt
550-0325	29987-97	Stator, 38-48A, 1997-1998 FLH, FLT
550-0326	29975-65A	Generator, 65A, 12V, 1965-1981 bt
550-0328		Charging System, 12V High Output, 1965-1
550-0335	74512-86, 74513-82A, 74513-85, 74515-86, 74516-86	Regulator, 22 amp, black, 1981-1988 bt
550-0340	74519-88A, 74519-99	Regulator, 32 amp, Black, 1988-1999 bt
550-0341		Regulator, 1989-1999 Softail
550-0342	74518-99A	Regulator, Black, 1999-2003 Dyna
550-0343	74512-00	Regulator, Black, 2000 Softail
550-0344	74540-01	Regulator, Black, 2001-2006 Softail
550-0345	30017-01	Stator, 38A, 2001-'06 Softail, 2004-'06
550-0346	74540-07	Regulator, 2007 Softail
550-0347	74540-08	Regulator, 2008-'13 Softail
550-0348	74631-04	Regulator, 2004-2005 Dyna
550-0349	74631-06	Regulator, 2006-2007 Dyna
550-0350	74631-08	Regulator, 2008-2013 Dyna
550-0351	74505-06	Regulator, 2006-2008 FLH, FLT
550-0352		Regulator, w/o Oil Cooler, 2009-2011 FLH
550-0353		Regulator, w/ Low Oil Cooler, 2009-2013
550-0354	30017-07	Stator, 47A, 2007 Softail/Dyna
550-0355	30017-08	Stator, 47A, 2008-2013 Softail/Dyna
550-0356	29987-06A	Stator, 50A, 2006-2013 FLH, FLT
550-0357	29965-81A	Stator, 22A, 1981-1988 bt
550-0358	29970-88	Stator, 32A, 1989-1999 bt
550-0359	29967-89	Stator, 1991-2006 xl
550-0360	29951-99	Stator, 32A, 2000 Softail, 1999-'03 Dyna
550-0361	29957-81B	Rotor, Assembly, 1984-'94 bt, 1995-2003 w
550-0363		Stator, 50A, 84T
550-0364		Stator, 1985-1990 xl
550-0368		Rotor, 34T Sprocket, 2004-'13 883 xl
550-0370	31390-86, 31390-91, 31533-81	Starter, Motor, 1.4KW, Black, 1981-'13 xl, xlh, 83-85 xlk1000,
550-0371	31663-90	Starter Clutch, w/ Bearing, 1991-2006 bt
550-0372	31544-90	Starter Clutch, w/ Bearing, 1989-1990 bt
550-0373	31681-07	Starter Clutch, w/ Bearing, 2009-up bt
550-0374	31443-65A	Starter Clutch, 1967-'80 xl, 1965-'88 bt
550-0386	27444-00Y	Shaft, Starter Motor, Oil Seal, '06-up Dyna, '07-up, 5 Pk
550-0387	27444-00Y	Shaft, Starter Motor, Oil Seal, '06-up Dyna, '07-up All Models
550-0388	11116	O-ring, Starter Oil Seal, Body to Drive, 1991-2006 bt
550-0389	71469-65B	Solenoid, Starter, Single Bracket, 4 Spd, Zinc, 1965-'84 bt
550-0390	31489-79B	Solenoid, Starter, Dual Bracket, 5 Spd, Zinc, 1965-'84 bt
550-0391	71463-73A	Relay, Starter, 73-79, 84-85 FX, 74-79, 84-85 FL, 75-79 xl
550-0392	32661-70	Points, 1970-78 FLH, FX
550-0393	32726-30A, 30801-47	Condenser, 1970-'78 FLH, FX
550-0394		Points and Condenser, Kit, 1970-78 FLH, FX
550-0395	26552-72	Switch, Oil Pressure, 1941-'84 bt
550-0396	31504-91A, 31504-91B	Relay, Starter, 1991-08 Touring, 95-99 Dyna&ST, 93-04 xl
550-0397	26558-84	Switch, Vacuum, w/ Connector Assm, '84-'90 FXST, '86-89 FLT
550-0398	26557-83	Switch, Vacuum, w/ Connector Assm, '84-'90 FXR

VVT	OEM	DESCRIPTION
550-0399	26566-91	Switch, Vacuum, w/ Connector Assm, '91-'95 FXST, FLST, Dyna, FXR
550-0400	26561-84	Switch, Oil Pressure, 1984-'99 bt
550-0401	31663-90	Starter Drive, 1991-'02 xl
550-0402	31567-81	Starter Drive, 1981-'90 xl
550-0403	26554-77, 26554-77A, 26554-77B	Switch, Oil Pressure, 1977-'13 xl, 2006-'08 Buell
550-0404	31522-00, 31522-00B, 31522-00C	Relay, Starter, 2007-'10 Softail, '07-'11 Dyna
550-0405	26561-99	Switch, Oil Pressure
550-0406	27658-06	Motor, Idle Air Control, '06-'07 Touring, '06-13 Dyna & Softail
550-0407	27659-06	Sensor, Throttle Position, '06-up bt ext TBW
550-0408	27629-01	Sensor, Throttle Position, 01-05ST, 02-05Trg, 04-05Dyna, 04-05SE, 07-13xl
550-0409	27609-04, 27609-01, 27609-01A, 27609-01B	Fuel Injector, 01-05 Touring, 04-05 Dyna/SE, 08-13 Touring
550-0410	32400-80A, 62400-80A	Sensor, Cam Position, 80-93 FLT, 80-94 FXR/xl, 84-85 FXST
550-0411	32404-90	Sensor, Cam Position, 1991-'95 Dyna
550-0412	32400-94	Sensor, Cam Position, 94-95 FLT, 95-97 xl, 98-03 xl 1200S
550-0414	74599-77B	Circuit Breaker, 30A
550-0415	74589-73A	Circuit Breaker, Terminated Style, 15A
550-0416	74587-94	Circuit Breaker, Plug In Style, 15A
550-0417	74600-97A	Circuit Breaker, 40A
550-0418	31511-01A	Relay, EFI System, w/ Delphi Type Fuel Injection
550-0421	31609-65A	Coil, Ignition, Dual Fire, Points, 5 ohm, 1965-'79 bt
550-0422	31609-80	Coil, Ignition, Dual Fire, 4 ohm, 1980-'E84 bt
550-0423	31656-07	Coil, Ignition, EFI, 2007-'13 xl
550-0424	31696-07A	Coil, Ignition, EFI, 2007-'13 bt
550-0425		Charging System, Kit, 2011-2013 Touring
550-0427		Charging System, Kit, w/ Oil Cooler, 2009-2010 Touring
550-0428		Charging System, Kit, 2007-'08 Touring
550-0429		Charging System, Kit, 2012-2013 Dyna
550-0430		Charging System, Kit, 2008-2011 Dyna
550-0431		Charging System, Kit, 2006-2007 Dyna
550-0432		Charging System, Kit, 2012-2013 Softail
550-0433		Charging System, Kit, 2008-2011 Softail
550-0434		Charging System, Kit, 2007 Softail
550-0435		Starter, Kit, Black, 2007-up bt
550-0436		Starter, Kit, Chrome, 2007-up Touring
550-0437		Starter, Kit, Black, 2006-up Dyna, 2007-up Softail
550-0438		Starter, Kit, Chrome, 2006-up Dyna, 2007-up Softail
550-0439		Starter Clutch, Kit, 2007-up bt
550-0440		Starter Clutch, Kit, 2006-up Dyna, '07-up bt
550-0441		Charging System, Kit, 2006 Touring
550-0442		Charging System, Kit, 2004-'05 Touring
550-0443		Charging System, Kit, 1999-'03 Touring
550-0444		Charging System, Kit, 2004-'05 Dyna
550-0445		Charging System, Kit, 1999-'03 Dyna
550-0446		Charging System, Kit, 2001-'06 Softail
550-0447		Charging System, Kit, 2000 Softail
550-0448		Starter, Kit, Black, 1999-'06 Touring
550-0449		Starter, Kit, Chrome, 1999-'06 Touring
550-0450		Starter, Kit, Black, 1999-'05 Dyna, '00-'06 Softail

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550-0451		Starter, Kit, Chrome, 1999-'05 Dyna, '00-'06 Softail
550-0452		Starter Clutch, Kit, 1999-'06 Touring
550-0453		Starter Clutch, Kit, 1999-'05 Dyna, '00-'06 Softail
550-0454		Starter, Kit, Chrome, 1994-'99 FXR, Touring
550-0455		Starter, Kit, Black, 1994-'99 FXR, Touring
550-0456		Starter, Kit, Chrome, 1989-'93 FXR, Touring
550-0457		Starter, Kit, Black, 1989-'93 FXR, Touring
550-0458		Starter, Kit, Chrome, 1984-'88 FXR, Touring
550-0459		Starter, Kit, Black, 1984-'88 FXR, Touring
550-0460		Starter, Kit, Chrome, 1989-1999 Softail, Dyna
550-0461		Starter, Kit, Black, 1989-1999 Softail, Dyna
550-0462		Starter, Kit, Chrome, 1984-'88 Softail, Dyna
550-0463		Starter, Kit, Black, 1984-'88 Softail, Dyna
550-0464		Starter Clutch, Kit, 1994-'98 FXR, Touring
550-0465		Starter Clutch, Kit, 1991-'93 FXR, Touring
550-0466		Starter Clutch, Kit, 1989-'90 FXR, Touring
550-0467		Starter Clutch, Kit, 1984-'88 FXR, Touring
550-0468		Starter Clutch, Kit, 1991-'98 Softail, Dyna
550-0469		Starter Clutch, Kit, 1989-'90 Softail
550-0470		Starter Clutch, Kit, 1984-'88 Softail, Superglide
550-0471		Charging System, Kit, 1994-1998 FXR, Touring
550-0472		Charging System, Kit, 1989-1993 FXR, Touring
550-0473		Charging System, Kit, 1984-1988 FXR, Touring
550-0474		Charging System, Kit, 1989-1998 Softail
550-0475		Charging System, Kit, 1984-1988 Softail, Superglide
550-0476		Charging System, Kit, 1989-1998 dyna
550-0499	31743-01	Coil, Ignition, EFI, 2001-'06 bt
550-0500	31614-83 31614-83A	Coil, Ignition, Dual Fire, 3 ohm, 1984-'99 bt/xl
550-0501		Ignition, HI-4N
550-0502		Ignition, Kit, HI-4N, Single Fire
550-0506		Wire, Set, Spark Plug, 1965-'84 bt
550-0507		Wire, Set, Spark Plug, 71-82 xl, 84-90 ST, 85-86 FXD, FXWG
550-0508		Wire, Set, Spark Plug, 1982-'94 FXR
550-0509		Wire, Set, Spark Plug, 1986-'06 xl
550-0510		Wire, Set, Spark Plug, 1991-'99 Softail
550-0512		Wire, Set, Spark Plug, Carbureted, 1999-'05 FXD
550-0513		Wire, Set, Spark Plug, Carbureted, 1999-'06 Touring
550-0514		Wire, Set, Spark Plug, Dual Plugs, 1998-'03 xl Sport
550-0516		Wire, Set, Spark Plug, w/ EFI, 1999-'12 FXD
550-0517		Wire, Set, Spark Plug, 2004-'06 xl, '99-'08 Touring
550-0518		Wire, Set, Spark Plug, w/ EFI, 2000-'12 ST
550-0519		Wire, Set, Spark Plug, 2007-'12 xl
550-0520		Wire, Set, Spark Plug, 2009-'12 Touring
550-0521		Wire, Set, Spark Plug, 2009-'12 XR1200
550-0524		Wire, Set, Spark Plug, w/ 90; Boots, Universal
550-0525		Wire, Set, Spark Plug, w/Variangle Boots, Universal
559-0001		ECM, Kit, USB, Stock H-D/Magneti Marelli Make to Order, 1995-1/2 - 2001 Touring
56-1002	33119-79B	Screw, Shift Lever Adjust, 5 Speed, Black, bt
56-1025	35258-87C	Trap Door, Transmission, 5 Speed Rigid Mount, Machined & Natural, Billet, 1986-'99 bt
56-1026	35652-79B, 35653-98A	Gasket, Trap Door, Transmission, 5 Speed
56-1027		Trap Door, Kit, Transmission, 5 Speed, Natural, Billet, 1986-'99 bt

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56-1047	34732-89A, 34732-96	Transmission Case, Assembly, 5 Speed, w/ Bearings & Seals, Wrinkle Black, 1989-'99 bt
56-1064	12045	Seal, Oil, .441" x .886" x .250", 1984-'99 bt
56-1067	33114-79	Guide, Shifter Shaft, 5 Speed Rigid Mount, 1986-'99 bt
56-1278-S	35078-79	Nut, Jam, HH, 3/4-16 UNF-2B, Steel/Nylon
56-1280	8996A	Bearing, Ball, Transmission Mainshaft, 10 Balls, 45mm x 85mm x 19mm
56-1599-S	62432-93, 62432-93B	Gasket, Oil Filler Spacer, Transmission
56-3026	8992A, 8998	Bearing, Ball, Transmission Countershaft, Left Hand, 20mm x 47mm x 14mm, 1991-'06 bt, 1991-'03 xl
56-3027	35030-89, 35030-89A	Bearing, Ball, 20mm x 47mm x 14mm, 1991-2003 xl
56-3030	9187	Bushing, Shifter Drum, 1.218" x 1.407" x .375", Bronze, 1991-'03 xl
56-3031	8977	Bearing, Needle, Transmission Countershaft, 1984-'99 bt Left Hand, 1991-2003 xl
56-3032	9151	Bearing, Transmission Shift Drum, 1991-2003 xl, Right Hand
56-3033	12067B	Seal, Transmission Output Shaft, 2.255" x 3.388" x .250, 1994-'99 bt, 1995-'03 xl
56-5089		Race, Inner, Transmission Mainshaft, 5/6 Speed, Packaged
56-5107-S	34904-86D	Gasket, Top Cover, Transmission, 6 Speed, 1991-2006 Softail, FLT
56-5111-S	35652-76B	Gasket, Side Cover, Transmission, 6 Speed
56-5150A		Clutch, Kit, 36 Tooth Sprocket, Mechanical Actuation, 1991-'06 bt, Except '06 Dyna
56-5151A		Clutch, Kit, 37 Tooth Sprocket, Mechanical Actuation, 1991-2006 bt, Except Dyna
56-5152A		Clutch, Kit, 36 Tooth Sprocket, Use w/ HD Hydraulic Actuator, 1991-2006 bt, Except Dyna
56-5153A		Clutch, Kit, 37 Tooth Sprocket, Use w/ HD Hydraulic Actuator, 1991-2006 bt, Except Dyna
560-0012	33295-36	Gasket, Cover, Transmission Kick Start, Stock 1937-'50 bt
560-0037	17369-06	Gasket, Kit, Primary, Rebuild, 2007-up FL
560-0038		Gasket, Kit, Primary, Rebuild, 2006 up Dyna, '07-up Softail
560-0039		Gasket, Kit, Primary, Rebuild, 1994-2006 FXST, '94-'05 FXD
560-0040		Gasket, Kit, Primary, Rebuild, 1994-2006 FLT, FLH, FXR
560-0041		Gasket, Kit, Primary, Rebuild, 1989-'93 FXST, FXD
560-0042		Gasket, Kit, Primary, Rebuild, 1980-'93 FLT, FLHT, FXR
560-0043		Gasket, Kit, Primary, Rebuild, 1965-'88 FXST, FX, FL 4 Spd
560-0044		Gasket, Kit, Primary, Rebuild, 2004-up xl
560-0045		Gasket, Kit, Primary, Rebuild, 1991-2003 xl
560-0046		Gasket, Kit, Primary, Rebuild, 1986-'90 xl
560-0047	34901-07	Gasket, Outer, Primary Cover, 2007-up FL
560-0048	34901-07	Gasket, Outer, Primary Cover, 2007-up FL, 5 Pk
560-0049	60547-06	Gasket, Outer, Primary Cover, 2006 up Dyna, '07-up Softail
560-0050	60547-06	Gasket, Outer, Primary Cover, 2006 up Dyna, '07-up Softail, 5 Pk
560-0051	34934-06	Seal, Inner Primary, 2006 Dyna, 2007-up bt
560-0053	34901-94A	Gasket, Outer, Primary Cover, 1994-2006 FLT, FXR
560-0054	34901-94A	Gasket, Outer, Primary Cover, 1994-2006 FLT, FXR, 5 Pk
560-0055	34901-79A	Gasket, Outer, Primary Cover, 1980-'93 FLT, FXR, 5 Pk
560-0056	60539-89, 60539-94B	Gasket, Outer, Primary Cover, 1989-'06 Softail, 1989-'05 Dyna
560-0057	60539-89, 60539-94B	Gasket, Outer, Primary Cover, 1989-'06 Softail, 1989-'05 Dyna, 5 Pk
560-0058	60538-81C	Gasket, Outer, Primary Cover, 1965-'88 FXST, FX, FL 4 Spd, 5 Pk
560-0059	34955-04	Gasket, Outer, Primary Cover, 2004-up xl, 5 Pk
560-0060	34955-89A	Gasket, Outer, Primary Cover, 1991-2003 xl, 5 Pk
560-0061	34955-75X	Gasket, Outer, Primary Cover, 1977-'90 xl, 5 Pk
560-0062	25416-99C	Gasket, Derby Cover, 5 Hole, (replaces o-ring), 1999-up bt, 5 Pk
560-0063	17369-06	O-ring, Derby Cover, 2006-up Dyna, 2007-up bt, 5 Pk

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VVT	OEM	DESCRIPTION
560-0064	60567-65B	Gasket, Derby Cover, 3 Hole, (replaces o-ring), 1984-'98 bt, 5 Pk
560-0065	25416-70	Gasket, Derby Cover, 1970-'83 FL, FXR, 5 Pk
560-0066	34906-85A	Gasket, Inspection Cover, 1985-'06 FXR, FLT, 5 Pk
560-0067	34906-79A	Gasket, Inspection Cover, 1980-'84 FXR, FLT, 5 Pk
560-0068	34986-04	Gasket, Inspection Cover, 2004-up xl, 5 Pk
560-0069	35463-94A	O-ring, Clutch Cover, 1994-up xl, 5 Pk
560-0070	11187	O-ring, Clutch Inspection Cover, 1991-'93 xl, 10 Pk
560-0071	11171	O-ring, Primary Inspection Cover Screw, 1986-up xl, 10 Pk
560-0072	60567-36	Gasket, Inspection Cover, 1936-'64 FL, 1958-'69 XLCH, 5 Pk
560-0073	60567-65B	Gasket, Inspection Cover, 1965-'06 Softail 4/5 Spd, '89-'05 Dyna, 5 Pk
560-0074	25416-99C	Gasket, Derby Cover, 5 Hole, (replaces o-ring), 1999-up bt
560-0075	60567-65B	Gasket, Derby Cover, 5 Hole, (replaces o-ring), 1984-'98 bt
560-0081	12066	Seal, Starter Motor Shaft, 1994-2006 bt, 5 Pk
560-0091	60538-81C	Gasket, Outer, Primary, 4 Speed, '88-Down FXST
560-0093	34901-79A	Gasket, Outer, Primary, 1980-'93 FLT, FXR
560-0094	35607-06, 35470-10	Gasket, Transmission to Engine, 2007-up bt
560-0095	35607-06	Gasket, Transmission to Engine, 2007-up bt, 5 Pk
560-0096	62489-99A	Pan, Oil, Black, 2007 Bagger
560-0097	26085-99A	Pan, Oil, Silver, 2007 Dyna
560-0098	11031	Retaining Ring
560-0113	7402	Lock Tab, Inner, Primary Cover, 1980-'86 bt, 10 Pk
560-0114	33318-85	Lock Tab, Inner, Primary Cover, 1987-up bt, 10 Pk
560-0115	60654-55	Lock Tab, Inner, Primary Cover, 1955-'64 bt, 10 Pk
560-0116	33125-89	Lock Tab, Starter Shaft Bolt, Starter Motor, 1989-'90 bt, 10 Pk
560-0117	33126-90	Lock Tab, Starter Shaft Bolt, Starter Motor, 1990-'92 bt, 10 Pk
560-0118	33126-93	Lock Tab, Starter Shaft Bolt, Starter Motor, 1993 bt Only, 10 Pk
560-0119	33126-94	Lock Tab, Starter Shaft Bolt, Starter Motor, 1994-up bt, 10 Pk
560-0120	37930-68A	Plate, Set, Friction, 1941-'67 bt
560-0121	37975-41, 37975-81	Clutch Plate, Set, Steel, w/ Silencer, 1941-'67 bt
560-0122	37930-68A	Plate, Set, Friction, 1968-'84 bt
560-0123	37975-41, 37975-81	Clutch Plate, Set, Steel, w/ Silencer, 1968-'84 bt
560-0124	37930-84, 37931-84	Plate, Set, Friction, L84-'89 bt
560-0125	37975-84A	Clutch Plate, Set, Steel, w/ Silencer, L1984-'89 bt
560-0126	37910-90, 37911-90	Plate, Set, Friction, 1990-'97 bt, 1991-up xl
560-0127	37913-90	Clutch Plate, Set, Steel, w/ Silencer, 1990-'97 bt, 1991-up xl
560-0128	37932-98, 37911-98, 37885-98	Plate, Set, Friction, 1998-up bt
560-0129	37913-98	Clutch Plate, Set, Steel, w/ Silencer, 1998-up bt
560-0130	37985-52A0	Plate, Set, Friction, 1957-'70 xl
560-0131	37992-52	Clutch Plate, Set, Steel, w/ Silencer, 1957-'70 xl
560-0132	37985-71	Plate, Set, Friction, 1971-'83 xl
560-0133	37992-71	Clutch Plate, Set, Steel, w/ Silencer, 1971-'83 xl
560-0134	36788-84	Plate, Set, Friction, 1984-'90 xl
560-0135	36787-84	Clutch Plate, Set, Steel, w/ Silencer, 1984-'90 xl
560-0136	37977-90, 37975-90	Plate, Spring Separator, 1998-up bt, 1991-up xl
560-0137	37871-84	Spring, Diaphragm, 1984-'89 bt
560-0138		Spring, Diaphragm, 1998-up bt
560-0139		Compensator, Assembly, Sprocket, Complete, 25T, 1994-2006 bt
560-0140		Compensator, Assembly, Sprocket, 24T, 1990-'93 Softail
560-0141	40308-94	Sprocket, Drive, 25T, 1994-2006 bt

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560-0142	40269-85A	Sprocket, Drive, 24T, 1990-'93 Softail, 1985-'90 FX, FXR
560-0143	40266-85A	Sprocket Shaft, Extension, Stock Length, 1986-'06 bt
560-0144	40392-91	Nut, Compensator, 1991-up bt
560-0145		Tensioner, Chain, Primary, Adjuster, 1990-'06 bt
560-0147		Jackshaft, Kit, Starter, 102T Ring Gear, 1994-'06 bt
560-0148		Ignition Advance Unit, Mechanical, High Performance
560-0149		Service Kit, Clutch, 2007-up Touring
560-0150		Service Kit, Clutch, 2006-up Dyna, '07-up Softail
560-0151		Service Kit, Clutch, 1998-'06 Touring
560-0152		Service Kit, Clutch, 1994-'06 Softail, '98-'05 Dyna
560-0153		Service Kit, Clutch, 1994-'97 Touring
560-0154		Service Kit, Clutch, 1994-'97 Dyna, Softail
560-0155		Service Kit, Primary Case, 1994-'06 Touring
560-0156		Service Kit, Primary Case, 1994-'05 Dyna, '04-'06 Softail
560-0157		Service Kit, Primary Case, 1984-'93 FLT, FXR
560-0158		Service Kit, Primary Case, 1989-'93 Softail, Dyna
560-0159		Service Kit, Primary Case, 1984-'88 Softail, Dyna
560-0160		Service Kit, Clutch, 1984-'89 Touring, FXR
560-0161		Service Kit, Clutch, 1989 Softail
560-0162		Service Kit, Clutch, 1984-'88 Softail, Dyna
560-0165		Bearing, Kit, Throwout, Heavy Duty, 5/6 Speed, 1987-up bt
560-0166		Adjuster, Kit, Primary Chain, Attitude, 2007-up bt
560-0167		Rebuild Kit, Master, 5 Speed, 1994-2006 bt
560-0168		Rebuild Kit, Transmission, 1994-'06 bt(ST/FXR/FLT/FLH)
560-0169		Rebuild Kit, Master, 5 Speed, 1987-'93 bt
560-0170		Rebuild Kit, Transmission, 1987-'93 bt(ST/FXR/FLT/FLH)
560-0171	7340	Nut, Main and Countershaft, 2007-up bt
560-0172	12074	Seal, Main Drive Gear, 2007-up bt
560-0173	35654-06	Gasket, Bearing Cover, Transmission, 2007-up bt
560-0174	36805-06	Gasket, Cover, Transmission, 2007-up bt
560-0175	34917-06	Gasket, Top Cover, Transmission, 2007-up bt
560-0176		Cover, Transmission Top, Baker, 2007-up bt
560-0177	11096	Retaining Ring, Clutch Pushrod, L1984-2013 bt
560-0178	12077	Seal, Oil, Output Gear, 6 Speed, 2006-up bt
560-0181	37313-80	Bearing, Thrust Race, 1984-up bt
560-0182	856A	Screw, SHC, 5/16-24 x 1"
560-0183	3784	Screw, Left, Shift Fork Shaft, Set
560-0184	3908	Bolt, Shifter Cam Support, 5 Speed, 1987-'06 bt
560-0185	6497HW	Washer, Shifter Shaft, 5 Speed, 1987-'06 bt
560-0186	11016	Retaining Ring, Shift Lever, 5 Speed
560-0187	11150	Retaining Ring, Shift Rod, 5 Speed
560-0188	33320-98	Shifter Cam, 5 Speed
560-0189		Lever, Shifter Rod, 94-06bt
560-0190	34088-87	Shaft, Shifter Fork, 94-06bt
560-0191		Shift Fork, Kit, 5 Speed, Billet Steel, 94-06bt
560-0192		Shifter Pawl, Anti-Overshift, Baker, 1980-'00 bt except '00 Softail
560-0193		Lever, Kit, Shift, Truss Style, Baker, 1984-'06 bt
560-0194	11132	O-ring, Filler Plug, 5 Speed, 1987-'06 bt
560-0195	11290	O-ring, Neutral Indicator Switch
560-0196	33344-94	Spacer, Sprocket, 1994-2006 bt
560-0197	33902-98	Switch, Neutral Indicator, w/ O-ring, 1998-2000 bt
560-0198	34544-00	Cover, Upper, Transmission, Wrinkle Black, 2000-'06 Softail, '01-'06 Touring

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560-0199	34464-98	Cover, Upper, Transmission, Polished, 1998-'06 Touring, '98-'99 Softail
560-0200	35087-99A, 35087-99	Retaining Ring, Bearing, 5 Speed, Transmission Shaft
560-0201	35653-98	Gasket, Bearing Housing, 1999-2006 Dyna, FL, '00-'06 Softail
560-0202	36801-87B	Gasket, Side Cover, Transmission, 94-06bt
560-0203	37081-99	Cover, Clutch Release, Polished, 94-06bt
560-0204	37105-99	Cover, Clutch Release, Chrome, 94-06bt
560-0205	62375-57	Fitting, Vent, Transmission Cover
560-0206	34091-85, 34091-85A	Race, Inner, Bearing
560-0207		Bearing, Kit, High Torque, Baker, 1987-'06 bt
560-0208		Oil Spout, Kit, Baker, Black, 2002-'06 FLH
560-0209		Oil Spout, Kit, Baker, Chrome, 2002-'06 FLH
560-0210		Oil Spout, Kit, Baker, Polished, 2002-'06 FLH
560-0211	6003	Washer, Thrust, Transmission Gear, 94-06 bt
560-0212	11067	Retaining Ring, Transmission Gear, 94-06 bt
560-0214	35027-94	Gear, Mainshaft 3rd, Countershaft 2nd, 94-06 bt
560-0215	35051-89	Bearing, Needle, 5th Gear, 94-06 bt
560-0216	35625-94	Gear, Countershaft, Fourth, 94-06 bt
560-0217	12035B	Seal, Oil, Mainshaft 5th Gear, 94-06 bt
560-0218	35025-79B	Gear, Mainshaft, First, 94-06 bt
560-0219	35026-94	Gear, Mainshaft 2nd, Countershaft 3rd, 94-06 bt
560-0220	35028-94	Gear, Mainshaft, Fourth, 94-06 bt
560-0221	35029-94	Gear, Mainshaft, Fifth, 94-06 bt
560-0222	35042-91	Mainshaft, 94-06 bt
560-0223	35064-79	Spacer, Mainshaft, 94-06 bt
560-0224	35211-91A	Nut, Transmission Sprocket, 94-06 bt
560-0225	35622-79C	Gear, Countershaft, First, 94-06 bt
560-0226	35626-94	Gear, Countershaft, Fifth, 94-06 bt
560-0227	35629-79	Spacer, Countershaft, 94-06 bt
560-0228	35632-79	Countershaft, 94-06 bt
560-0229	37069-90A, 37069-90	Pushrod End, Clutch Release, 94-06 bt
560-0230	37088-90	Pushrod, Clutch Release, 94-06 bt
560-0231	37312-75	Bearing, Pushrod Throwout, 94-06 bt
560-0232	39976-65B	Pad, Primary Chain Tensioner, 94-06 bt
560-0233	40037-79A	Primary Chain, 87-06bt
560-0234	40250-94	Sprocket, Transmission, 32 T, 94-06 bt
560-0235	40251-92A	Lockplate, Transmission Sprocket, 94-06 bt
560-0236	8876A	Bearing, Transmission Gear, 94-06 bt
560-0237		Gear, Assembly, Main Drive, 94-06 bt
560-0238	11147B, 11147A	O-ring, Inner, Primary, to Engine Case, 1984-'06 bt
560-0240	40037-79A	Primary Chain, 1994-'06 Softail, Dyna
8-1150	32401-80	H/D IGNITION ROTOR
8-3002		H-D DUAL FIRE IGNITION COIL
8-3010	31655-99	H-D TC88 IGNITION COIL
90-1005	11727A	Stud, Head Mount, 3/8-24, 3/8-16 ONF x 1.500", Zinc, Steel, 1986-2003 xl
90-1496		Head, Kit, Stock Bore, O-ring Style, .590" Triple Steel, Single Plug, Internal Oil, Natural, 1966-'78 bt
90-1498		Head, Kit, Stock Bore, Band Style, .590" Triple Steel, Single Plug, Internal Oil, Natural, 1979-'84 bt
90-2008	18001-83B	Seal, Valve Guide, 1984-up bt, 1986-2003 xl

VVT	OEM	DESCRIPTION
90-2015	18075-80, 18075-81, 18078-80, 18078-81, 18078-81	Valve, Intake, Stock Heads, 1.950" x 3.885" @ 1.879" Gauge, 1966-'84 bt
90-2017	18020-79, 18018-66, 18056-66B	Seat, Intake, 1.950", 1966-'84 bt
90-2018	18017-66, 18055-66B, 18010-79	Seat, Exhaust, 1.750", 1948-'84 bt
90-2019	18000-81	Seal, Valve Guide, L1981-'84 bt
90-2020		Valve, Intake, +.005" Stem Diameter, 1.950" x 3.885" @ 1.879" Gauge, 1966-'84 bt
90-2022	18086-80, 18086-81, 18089-80, 18089-81	Valve, Exhaust, 1.720" x 3.724" @ 1.680" Gauge, 1948-'84 bt
90-2031		Valve, Exhaust, +.005" Stem Diameter, 1.720" x 3.724" @ 1.680" Gauge, 1948-'84 bt
90-2037-S	18228-36	Valve Keeper, 1936-'84 bt
90-2038	18222-81	Collar, Bottom, Valve Spring, .550", Steel, 1981-'84 bt
90-2053		Spring, Kit, Valve, Dual, Aluminum, .550", 1948-'84 bt
90-2060	18204-36A	Spring, Kit, Valve, Triple, Steel, .590", 1948-'81 bt
90-2094-S	18229-83	Valve Keeper, Standard, 9; Degree, 1984-99 bt, 1999-05 bt, 1986-03
90-2117		Seat, Intake, 1.950" + .010", 1966-'84 bt
90-2119		Seat, Exhaust, 1.750" + .002", 1948-'84 bt
90-2121		Seat, Exhaust, 1.750" + .010", 1948-'84 bt
90-2157	18000-81	Seal, Valve Guide, L1981-'84 bt, 8 Pk
90-2158	18001-83B	Seal, Valve Guide, 1984-up bt, 1986-2003 xl, 8 Pk
90-2210	18112-92	Valve Guide, Intake/Exhaust, Standard, Cast Iron, 1984-up bt, 1986-2003 xl
90-2211	18130-83C	Valve Guide, Intake/Exhaust, +.001", Cast Iron, 1984-up bt, 1986-'03 xl
90-2212	18133-83A, 18133-83D	Valve Guide, Intake/Exhaust, +.002", Cast Iron, 1984-up bt, 1986-'03 xl
90-2213	18131-83C	Valve Guide, Intake/Exhaust, +.003", Cast Iron, 1984-up bt, 1986-03 xl
90-2219		Valve Guide, Intake/Exhaust, +.030", Cast Iron, 1984-up bt, 1986-03 xl
90-2240		Valve Guide, Intake/Exhaust, Standard, Cast Iron, 1980-'84 bt
90-2241	18109-81A	Valve Guide, Intake/Exhaust, +.001", Cast Iron, 1980-'84 bt
90-2242	18108-81A, 90-2232	Valve Guide, Intake/Exhaust, +.002", Cast Iron, 1980-'84 bt
90-2243	18107-81A, 90-2233	Valve Guide, Intake/Exhaust, +.003", Cast Iron, 1980-'84 bt
90-2244	18106-81A, 90-2234	Valve Guide, Intake/Exhaust, +.004", Cast Iron, 1980-'84 bt
90-2249		Valve Guide, Intake/Exhaust, +.060", Cast Iron, 1980-'84 bt
90-2345	80168-32	Spring, Kit, Valve, Single Valves, 1941-'51 WR, 1952-'53 KR
90-4006	17611-83B	Shaft, Rocker Arm, 1984-up bt
90-4030	26856-89, 26856-89A	Seal, Umbrella Valve Cover
90-4036	17611-83B	Shaft, Set, Rocker Arm, Stock 1984-up bt, 1986-up xl
90-4040	17540-69, 17540-69A	Gasket, Rocker Cover, 1966-'84 bt
90-4042	17358-84A	Gasket, Middle Inner, Rocker Cover, Rubber, 1984-'99 bt, 1986-2003 xl
90-4044	17355-92	Gasket, Middle Outer, Rocker Cover, Rubber, 1992-'99 bt
90-4045	17356-92	Gasket, Top, Rocker Cover, Rubber, 1992-'99 bt
90-4046	17038-90	Gasket, Kit, Rocker Cover, Rubber, 1984-'91 bt
90-4047		Gasket, Kit, Rocker Cover, Rubber, 1992-'99 bt
90-4050		Rocker Box, Kit, Chrome, Billet, 1984-'99 bt, 1986-2003 xl
90-4055		Rocker Box, Kit, Natural, Billet, 1984-'99 bt, 1986-2003 xl
90-4064	17540-69, 17540-69A	Gasket, Rocker Cover, Graphite, 1966-'84 bt, 10 Pk

VVT to OEM Cross Reference Chart

VVT	OEM	DESCRIPTION
90-4071		Gasket, Bottom, Rocker Cover, Graphite, 4-1/8" 1984-'99 bt, 1999-up bt, 2 Pk
90-4071-S	16719-99B	Gasket, Bottom, Rocker Cover, 4-1/8" 1984-'99 bt, 1999-up bt
90-4077	17591-99, 17162-03, 17592-99	Gasket, Breather Cover, Stock Pattern, Paper, 1999-2010 bt
90-4078	17162-03, 17592-99	Gasket, Breather Baffle, Stock Pattern, Paper, 1999-2010 bt
90-4095		Rocker Box, Kit, Chrome, Die Cast, 1984-'99 bt
90-4096-S	17386-99A	Gasket, Rocker Cover, Steel, 1999-up bt
90-4099		Gasket, Bottom, Rocker Cover, Graphite, 4-1/8" 1984-'99 bt, 1999-up bt, 10 Pk
90-4110		Rocker Box, Kit, Chrome, Die Cast, 4-1/8" 1984-'99 bt, 1999-up bt
90-4305		Rocker Box, Kit, Polished, Billet, 1966-'84 bt
900-0208		Spring, Kit, 74" S&S 80", 1937-'41 UL svbt
900-0209	18170-30	Valve Guide, Honed, 74" S&S 80", Cast Iron, 1930-'40 bt
900-0210	18072-37	Valve, Intake, Forged, 74" S&S 80", FH-Series
900-0211	18082-37	Valve, Exhaust, Forged, 74" S&S 80", FH-Series
900-0218		Gasket, Head, Stock Pattern, .045", 3.927", '99-up bt, 10 Pk
900-0329	117541-48	Gasket, Rocker Cover, Rubber, 1948-'65 OHV bt
900-0339	117541-48	Gasket, Set, Rocker Cover, Rubber, 1948-'65 OHV bt
900-0420		Spring, Kit, Valve, Dual, Steel, .640", 2005-up bt, 2004-up xl
900-0438	17386-99A	Gasket, Rocker Cover, Steel, 1999-up bt, 2 Pk
900-0495	26858-99	Seal, Umbrella Valve Cover, 1999-2013 bt
900-0496	63815-99	Filter, Breather, Stock Rocker Box
900-0534		Gasket, Kit, Rocker Cover, Stock, 1999-up bt
900-0572	17045-99C	Gasket, Kit, Top End, w/ Hat Style Valve
900-0573	17045-99C	Gasket, Kit, Top End, w/ Hat Style Valve Stem Seal, 3-7/8" Bore, 2005-up bt
900-0574	17052-99	Gasket, Kit, Top End, 3-3/4" Bore, 1999-2004 bt
900-0575	17052-99S	Gasket, Kit, Top End, 3-7/8" Bore, 1999-2004 bt
900-0576	17040-92	Gasket, Kit, Top End, Stock Bore, 1992-'99 bt
900-0577	17033-83-A	Gasket, Kit, Top End, Stock Bore, 1984-'91 bt
900-0578	17026-91A	Gasket, Kit, Top End, 883, 1986-'90 xl
900-0579	17026-91A	Gasket, Kit, Top End, 883, 1991-2003 xl
900-0580		Gasket, Kit, Top End, 883, 2004-'06 xl
900-0581		Gasket, Kit, Top End, 883, 2007-up xl
900-0582	17026-91A	Gasket, Kit, Top End, 1100, 1986-'87 xl
900-0583	17026-91A	Gasket, Kit, Top End, 1200, 1988-'90 xl
900-0584	17032-91	Gasket, Kit, Top End, 1200, 1991-2003 xl
900-0585	17049-04	Gasket, Kit, Top End, 1200, 2004-'06 xl
900-0586		Gasket, Kit, Top End, 1200, 2007-up xl
900-0587	16664-86B	Gasket, Head, .040", Stock Bore 883, MLS, 2 Pk
900-0588	17034-66X	Gasket, Kit, Top End, Stock Bore, 1966-'
900-0589	17034-48	Gasket, Kit, Top End, Stock Bore, 1948-'
900-0590	18094-02	Seal, Oil, Valve Stem, Hat Style, Viton, 2003-up All Models
900-0593		Spring, Kit, Valve, Street Performance, Conical Round Wire, .585", 1984-2004 bt, 1986-2003 xl
900-0594		Spring, Kit, Valve, Street Performance, Conical Round Wire, .585", 2005-up bt, 2004-up xl
900-0596		Spring, Kit, Valve, S&S CNC Ported Heads, Conical Round Wire, .585", 1999-2013 bt, 2004-2013 xl
900-0617		Housing, Set, Rocker Arm, Polished, Stock 1936-'47 OHV bt
900-0618		Housing, Front, Rocker Arm, Polished, Stock 1936-'47 OHV bt
900-0619		Housing, Rear, Rocker Arm, Polished, Stock 1936-'47 OHV bt

VVT	OEM	DESCRIPTION
900-0622		Housing, Set, Rocker Arm, Natural, Stock 1936-'47 OHV bt
900-0625	16465-06	Seal, Oil, Valve Stem, Hat Style, 2005-'14 bt, 2004-'14 xl, 4 Pk
900-0636		Rebuild Kit, Top End, Re-Ring Only, 3-3/4" Bore, 2005-'11 bt
900-0637		Rebuild Kit, Top End, Re-Ring Only, 3-7/8" Bore, 2005-'14 bt
900-0638		Rebuild Kit, Top End, 3-7/8" Bore, 2007-up bt
900-0639		Rebuild Kit, Top End, 3-7/8" Bore, +.010", 2007-up bt
900-0640		Rebuild Kit, Top End, 3-7/8" Bore, 2005-'06 Touring, '05 Dyna
900-0641		Rebuild Kit, Top End, 3-7/8" Bore, +.005", 2005-'06 Touring, '05 Dyna
900-0642		Rebuild Kit, Top End, 3-7/8" Bore, +.010", 2005-'06 Touring, '05 Dyna
900-0643		Rebuild Kit, Top End, Re-Ring Stock Pistons, 3-3/4" Bore, 1999-'06 Touring, Softail, '99-'05 Dyna
900-0644		Rebuild Kit, Top End, Re-Ring Stock Pistons, 3-7/8" Bore, 1999-'06 Touring, Softail, '99-'05 Dyna
900-0645		Rebuild Kit, Top End, 3-7/8" Bore, 1999-'04 Touring, Softail, '99-'04 Dyna
900-0646		Rebuild Kit, Top End, 3-7/8" Bore, +.005", 1999-'04 Touring, Softail, '99-'04 Dyna
900-0647		Rebuild Kit, Top End, 3-7/8" Bore, +.010", 1999-'04 Touring, Softail, '99-'04 Dyna
900-0648		Rebuild Kit, Top End, 3-1/2" Bore, 1992-'99 bt
900-0649		Rebuild Kit, Top End, 3-1/2" Bore, +.010", 1992-'99 bt
900-0650		Rebuild Kit, Top End, 3-1/2" Bore, +.020", 1992-'99 bt
900-0651		Rebuild Kit, Top End, 3-1/2" Bore, 1984-'91 bt
900-0652		Rebuild Kit, Top End, 3-1/2" Bore, +.010", 1984-'91 bt
900-0653		Rebuild Kit, Top End, 3-1/2" Bore, +.020", 1984-'91 bt
900-0708		Spring, Kit, Valve, Stock, 1936-'47 bt
900-0709	18221-36	Retainer, Kit, 1936-'47 bt, 4 Pk
900-0710	18228-36	Valve Keeper, Kit, 1936-'47 bt, 8 Pk
900-0711	18204-36, 18222-36, 18203-36	Spring, Set, 1936-'47 bt, 4 Pk
900-0712	18222-36	Washer, Kit, Base, 1936-'47 bt, 4 Pk
900-0713	18071-36	Valve, Intake, 1936-'65 bt
900-0714	18081-36	Valve, Exhaust, 1936-'65 bt
900-0715	18185-36, 18181-36	Valve Guide, Intake/Exhaust, Standard, 1936-'47 bt
900-0716	18184-36	Valve Guide, Intake/Exhaust, +.002", 1936-'47 bt
900-0717		Valve Guide, Intake/Exhaust, +.004", 1936-'47 bt
900-0718		Valve Guide, Intake/Exhaust, +.006", 1936-'47 bt
900-0719		Valve Guide, Intake/Exhaust, +.008", 1936-'47 bt
900-0720		Valve Guide, Intake/Exhaust, +.025", 1936-'47 bt
900-0721		Spring, Kit, Valve, Stock, 1957-'83 xl
900-0722	18221-57B	Retainer, Kit, 1957-'83 xl, 4 Pk
900-0723	18228-30	Valve Keeper, Kit, 1957-'83 xl, 8 Pk
900-0724	18204-57A, 18203-57A	Spring, Set, Valve, 1957-'83 xl, 4 Pk
900-0725	18220-57	Washer, Kit, Base, 1957-'83 xl, 4 Pk
900-0726	18070-58, 18071-58	Valve, Intake, 1957-'69 xl
900-0727	18080-58R	Valve, Exhaust, 1957-'69 xl
900-0728	18070-70	Valve, Intake, 1970-'83 xl
900-0729	18080-58A	Valve, Exhaust, 1970-'83 xl
900-0730	18179-57B	Valve Guide, Intake, +.001", 1957-'83 xl
900-0731		Valve Guide, Intake, +.010", 1957-'83 xl
900-0732	18172-57A	Valve Guide, Exhaust, +.001", 1957-'83 xl
900-0733		Valve Guide, Exhaust, +.010", 1957-'83 xl

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VVT	OEM	DESCRIPTION
900-0734		Seat, Intake, Valve, 1957-'83 xl
900-0735		Seat, Exhaust, Valve, 1957-'83 xl
900-0736	17428-57	Bushing, Rocker Arm, 1957-'83 xl, 8 Pk
900-0738		Spring, Kit, Valve, OEM, 1948-'65 bt
900-0739	18205-57, 18201-36A, 18201-57B	Spring, Set, 1948-'65 bt, 4 Pair
900-0740	18222-48	Washer, Kit, Base, 1948-'65 bt, 4 Pk
900-0742	18082-57A	Valve, Exhaust, 1948-'65 bt
900-0743	18143-79A	Valve Guide, Intake, +.002, 1948-'65 bt
900-0744		Valve Guide, Intake, +.025", 1948-'65 bt
900-0745	18143-79A	Valve Guide, Exhaust, +.002, 1948-'65 bt
900-0746		Valve Guide, Exhaust, +.025", 1948-'65 bt
900-0750	18074-83A	Valve, Intake, Stock, 1984-'99 bt
900-0751	18082-83	Valve, Exhaust, Stock, 1984-'99 bt
900-0752	18074-05A	Valve, Intake, 2005-up bt
900-0753	18085-05B, 18085-05A	Valve, Exhaust, 2005-up bt
900-0754	18031-86	Valve, Intake, 883cc, 1986-2003 xl
900-0755	18030-86	Valve, Exhaust, 883cc, 1986-2003 xl
900-0756	18023-86	Valve, Intake, 1100cc, 1986-'87 xl
900-0757	18024-86	Valve, Exhaust, 1100cc, 1986-'87 xl
900-0758	18023-87	Valve, Intake, 1200cc, 1988-2003 xl
900-0759	18024-87	Valve, Exhaust, 1200cc, 1988-2003 xl
900-0760	18690-02	Valve, Intake, 7mm Stem, 1200cc, 2004-2015 xl
900-0761	18691-02	Valve, Exhaust, 7mm Stem, 1200cc, 2004-2015 xl
900-0763	17030-57	Gasket, Kit, Top End, Rebuild, 900, 1957-'91 xl
900-0764	17030-72	Gasket, Kit, Top End, Rebuild, 1000, 1972-E73 xl
900-0765	17030-72AL	Gasket, Kit, Top End, Rebuild, 1000, 1973-'76 xl
900-0766	17030-72B	Gasket, Kit, Top End, Rebuild, 1000, 1977-'85 xl
900-0773	17026-91A	Gasket, Kit, Rocker Box, 1986-'90 xl
900-0774	17026-91A	Gasket, Kit, Rocker Box, 1991-2003 xl
900-0775		Gasket, Kit, Rocker Box, 2004-'06 xl
900-0776		Gasket, Kit, Rocker Box, 2007-up xl
900-0782	16465-06	Valve Guide, Intake/Exhaust, Standard, 2005-up bt
900-0784	17429-91, 17428-57	Bushing, Rocker Arm, Bronze, 1957-'69 xl, 8 pk
900-0785	18082-83, 18085-99	Valve, Exhaust, Stock, 1999-2004 bt
900-0786		Valve Guide, Intake, +.001, Cast Iron, 2
900-0787		Valve Guide, Intake, +.002, Cast Iron, 2
900-0788		Valve Guide, Intake, +.010, Cast Iron, 2
900-4119A		Rocker Arm, Set, Non-Roller, 1.625:1 Ratio, 8620, 1984-up bt, 1986-2003 xl
900-4119FA	17375-83A	Rocker Arm, Assembly, FE/RI, Non-Roller, 1.625:1 Ratio, 8620, 1984-up bt, 1986-2003 xl
900-4119RA	17360-83A	Rocker Arm, Assembly, RE/RI, Non-Roller, 1.625:1 Ratio, 8620, 1984-up bt, 1986-2003 xl
900-4320A		Rocker Arm, Set, Roller, 1.5:1 Ratio, 8620, 1966-'84 bt
900-4320FA	17375-66A	Rocker Arm, Assembly, FE/RI, Roller, 1.5:1 Ratio, 8620, 1966-'84 bt
900-4320RA	17360-66A	Rocker Arm, Assembly, FI/RE, Roller, 1.5:1 Ratio, 8620, 1966-'84 bt
91-3010		Cylinder, Set, 3-1/2" Bore, 4.650", Natural, 1986-2003 xl
91-3010F		Cylinder, Front, 3-1/2" Bore, 4.650", Natural, 1986-2003 xl
91-3010R		Cylinder, Rear, 3-1/2" Bore, 4.650", Natural, 1986-2003 xl
91-3904		Cylinder, Set, 3-1/2" Bore, 4.650", WBlack, 1986-2003 xl
91-3904F		Cylinder, Front, 3-1/2" Bore, 4.650", WBlack, 1986-2003 xl

VVT	OEM	DESCRIPTION
91-3904R		Cylinder, Rear, 3-1/2" Bore, 4.650", WBlack, 1986-2003 xl
91-7210		Cylinder, Set, 3-1/2" Bore, 5.550", Natural, 1984-'99 bt
91-7210F		Cylinder, Front, 3-1/2" Bore, 5.550", Natural, 1984-'99 bt
91-7210R		Cylinder, Rear, 3-1/2" Bore, 5.550", Natural, 1984-'99 bt
91-7710		Cylinder, Set, 3-1/2" Bore, 5.550", WBlack, 1984-'99 bt
91-7710F	16512-86A	Cylinder, Front, 3-1/2" Bore, 5.550", WBlack, 1984-'99 bt
91-7710R	16512-86A	Cylinder, Rear, 3-1/2" Bore, 5.550", WBlack, 1984-'99 bt
91-9010F		Cylinder, Front, 3-7/16" Bore, 5.330", Gloss Black, 1966-'84 bt
91-9010R		Cylinder, Rear, 3-7/16" Bore, 5.330", Gloss Black, 1966-'84 bt
91-9011		Cylinder, Set, 3-7/16" Bore, 5.330", w/ Gaskets & Hardware, Gloss Black, 1966-'84 bt
91-9013		Cylinder, Kit, 3-7/16" Bore, 5.330", 3-31/32" Stroke, 106-5495, Gloss Black, 8.0:1 Compression, 1966-'84 bt
91-9020F		Cylinder, Front, 3-1/2" Bore, 5.330", Gloss Black, 1966-'84 bt
91-9020R		Cylinder, Rear, 3-1/2" Bore, 5.330", Gloss Black, 1966-'84 bt
91-9021		Cylinder, Set, 3-1/2" Bore, 5.330", w/ Gaskets & Hardware, Gloss Black, 1966-'84 bt
91-9024		Cylinder, Kit, 3-1/2" Bore, 5.330", 4-1/4" Stroke, 106-5511, Gloss Black, 8.0:1 Compression, 1966-'84 bt
910-0179	16510-83A	Cylinder, Kit, 3-1/2" Bore, 5.550", 4-1/4" Stroke, 920-0015, Natural, 1984-'99 bt
910-0182	16512-86A	Cylinder, Kit, 3-1/2" Bore, 5.550", 4-1/4" Stroke, 920-0015, WBlack, 1984-'99 bt
910-0207		Cylinder, Set, 3-7/8" Bore, 4.937", Silver, 1999-up bt, 11 Fin
910-0208		Cylinder, Set, 3-7/8" Bore, 4.937", WBlack, 1999-up bt, 11 Fin
920-0013	22216-30	Piston, Set, 3-7/16", Standard, 80", 1937-'41 UL svbt
920-0015	21940-83	Piston, Set, 3-1/2", Standard, 80", FD, .792" WP, 1984-'99 bt
920-0026	21942-83	Piston, Set, 3-1/2", +.010, 80", FD, .792" WP, Cast, 1984-'99 bt
920-0027	21943-83	Piston, Set, 3-1/2", +.020", 80", FD, .792" WP, Cast, 1984-'99 bt
920-0036	22218-30	Piston, Set, 3-7/16", +.010", 80", 1937-'41 UL svbt
920-0037	22219-30	Piston, Set, 3-7/16", +.020", 80", 1937-'41 UL svbt
920-0038	22220-30	Piston, Set, 3-7/16", +.030", 80", 1937-'41 UL svbt
920-0039	22221-30	Piston, Set, 3-7/16", +.040", 80", 1937-'41 UL svbt
920-0040	22223-30	Piston, Set, 3-7/16", +.060", 80", 1937-'41 UL svbt
920-0095		Piston, Set, 3-7/8", Standard, w/ Wristpin & Keepers, Wiseco, .927" WP, 9.0:1 Compression, 1999-2006 bt
920-0096		Piston, Set, 3-7/8", +.005", w/ Wristpin & Keepers, Wiseco, .927" WP, 9.0:1 Compression, 1999-2006 bt
920-0097		Piston, Set, 3-7/8", +.010", w/ Wristpin & Keepers, Wiseco, .927" WP, 9.0:1 Compression, 1999-2006 bt
920-0098		Piston, Set, 3-7/8", Standard, -2cc Dome, w/ Wristpin & Keepers, Wiseco, .927" WP, 9.0:1 Compression, 2007-'14 bt
920-0099		Piston, Set, 3-7/8", +.010", -2cc Dome, w/ Wristpin & Keepers, Wiseco, .927" WP, 9.0:1 Compression, 2007-'14 bt
93-1011-S	16770-84D, 16770-84F	Gasket, Head, .045", 3-1/2", Graphite, 304 SS, 1984-'99 bt, 1986-2003 xl
93-1023-S	16776-63	Gasket, Base, .020", Stock, 1966-'84 bt (Logo Side Faces Cylinder)
93-1024	16770-84D, 16770-84F	Gasket, Head, .045", 3-1/2", 1984-'99 bt, 1986-2003 xl, 10 Pk
93-1038-S	16777-83A, 16774-86D	Gasket, Base, .018", 3-1/2", Graphite, 1984-1999 bt, 1986-2003 xl
93-1041	16770-66B	Gasket, Head, .032", Stock, Copper, 1966-'84 bt
93-1045-S	16775-99B	Gasket, Head, Stock Pattern, .043", 3-3/4", Graphite, 304 SS, 1999-up bt
93-1051	16770-84D, 16770-84F, 10773-85	Gasket, Head, .0625", 3-1/2", 1984-'99 bt, 1986-2003 xl, 10 Pk
93-1061	16770-66B	Gasket, Head, .032", Stock, Copper, 1966-'84 bt, 10 Pk
93-1070	16776-63	Gasket, Base, .020", Stock, Graphite, 1966-'84 bt, 10 Pk (Logo Side Facing Cylinder)

VVT to OEM Cross Reference Chart

VVT	OEM	DESCRIPTION
93-1072		Gasket, Exhaust, Stainless Steel, 1984-'99 bt, 1986-2003 xl, 10 Pk
93-1313-S	16770-84D, 16770-84F, 10773-85	Gasket, Head, .0625", 3-1/2", Graphite, 304 SS, 1984-'99 bt, 1986-2003 xl
93-3010		Head Bolt, Kit, 12 pt, 1984-up bt, 1986-2003 xl
93-3014		Head Bolt, Kit, Stock Heads, 12 pt, 1984-up bt, 1986-2003 xl
93-3024	6469HW	Head Bolt, w/Washer, 12 pt, 7/16-20 X 2-3/8" x 1" TD, 10 Pk
93-3024-S	1324-S	Head Bolt, 12 pt, 7/16-20 X 2-3/8" x 1" TD
93-3030		Head Bolt, w/Washer, 12 pt, 3/8-16 x 3.384" x .950" TD
93-3031		Head Bolt, w/Washer, 12 pt, 3/8-16 x 2.170" x .950" TD
93-3063		Nut, Cylinder Base, HH, 7/16-20 UNF-2B x .910", Polished, Stainless Steel, 1936-'84 bt, 8 Pk
93-3063-S		Nut, Cylinder Base, HH, 7/16-20 UNF-2B x .910", Polished, Stainless Steel, 416
93-4015	17938-83	Pushrod Cover, Bottom, Chrome Plated, Steel, 1984-up bt, 1986-'90 xl
93-4016	17935-66T, 17935-79B	Pushrod Cover, Top, Natural, Aluminum, 1966-up bt, 1986-'90 xl
93-4017	17945-36B	Cap, Pushrod Cover, 1936-up bt, 1957-'90 xl
93-4018	17947-36	Spring, Pushrod Cover Cap, .080" Wire, .730" x .890" x .925", Steel, 1936-up bt, 1957-'90 xl
93-4022		O-ring, Kit, Pushrod Cover, 1984-up bt, 1986-2003 xl
93-4035-S	17949-40, 17950-66	Cover Keeper, Pushrod, 3.330", Chrome
93-4039		Pushrod Cover, Kit, Chrome, 1984-'99 bt, 1986-'90 xl
93-4040		Pushrod Cover, Kit, Chrome, 1979-'84 bt
93-4055		Mount, Top, Engine, 2-Piece, Semi-Gloss Black, Steel, 1986-up xl
93-4056	16214-86, 16222-86	Mount, Front, Engine, Up To 5.087" Cylinder, Semi-Gloss Black, Steel, 1986-up xl
93-4057	16852-67A, 16853-48	Mount, Top, Engine, 2-Piece, Natural, Steel, 1948-'84 bt
93-4070	17950-48	Cover Keeper, Set, Pushrod, 2.400", Chrome
93-4100		Cover Keeper, Set, Pushrod, 2.500", Chrome
93-4106	17949-40, 17950-66	Cover Keeper, Set, Pushrod, 3.330", Chrome
93-4115	17950-86	Cover Keeper, Set, Pushrod, 2.800", Chrome
93-5022		Pushrod, Set, Adjustable, Stock Rocker Arms, +.4375", Steel, 1986-'90 xl, 1991-up Stock xl
93-5033		Pushrod, Set, Adjustable, Stock, Steel, 1986-'90 xl
93-5059	17905-53B	Pushrod, Set, Non-Adjustable, Stock, Steel, 1948-'65 bt
93-5070	17904-66	Pushrod, Set, Adjustable, Hydraulic Tappet, Stock, Steel, 1966-'84 bt
93-5076		Pushrod, Set, Adjustable, Stock, Steel, 1984-'99 bt
93-5096		Pushrod, Set, Adjustable, Stock, Steel, 1999-up bt
93-5120		Pushrod, Set, Quickee, Hydraulic Tappet, 80"-98", 113", 117", 124", Steel, 1984-'99 bt
93-5122		Pushrod, Set, Quickee, Hydraulic Tappet, 88"-124", Steel, 1991-up xl, 1999-up bt
930-0007	17905-36	Pushrod, Set, Non-Adjustable, Stock (61"), Aluminum, 1936-'47 bt
930-0008	17905-36	Pushrod, Set, Non-Adjustable, Stock (74"), Aluminum, 1936-'47 bt
930-0012	16770-36	Gasket, Set, Head, 61", 1936-'47 OHV bt
930-0041		Pushrod, Set, Non-Adjustable, Steel, 1984-'99 bt
930-0046		Pushrod, Set, Non-Adjustable, Steel, 1999-up bt
94-2200X	22325-55B, 22355-53, 22355-48, 22355-41	Ring, Set, Piston, 3-7/16", Standard, Moly Faced, .0625, .0625, .184, 1966-'84 bt
94-2201X	22327-55B, 22357-48, 22357-41	Ring, Set, Piston, 3-7/16", +.010", Moly Faced, .0625, .0625, .184, 1966-'84 bt

VVT	OEM	DESCRIPTION
94-2202X	22328-55B, 22358-53, 22358-48, 22358-41	Ring, Set, Piston, 3-7/16", +.020", Moly Faced, .0625, .0625, .184, 1966-'84 bt
94-2203X	22329-55B, 22359-48, 22359-41	Ring, Set, Piston, 3-7/16", +.030", Moly Faced, .0625, .0625, .184, 1966-'84 bt
94-2204X	22330-55B, 22360-48, 22360-41	Ring, Set, Piston, 3-7/16", +.040", Moly Faced, .0625, .0625, .184, 1966-'84 bt
94-2206X	22334-78A, 22334-78B, 21920-83	Ring, Set, Piston, 3-7/16", +.060", Moly Faced, .0625, .0625, .184, 1966-'84 bt
94-2207X	22335-78A, 22335-78B, 21922-83	Ring, Set, Piston, 3-7/16", +.070", Moly Faced, .0625, .0625, .184, 1966-'84 bt
94-2208X	22336-78B, 21923-83	Ring, Set, Piston, 3-7/16", +.080", Moly Faced, .0625, .0625, .184, 1966-'84 bt
94-2209X	22337-78B, 21924-83	Ring, Set, Piston, 3-7/16", +.090", Moly Faced, .0625, .0625, .184, 1966-'84 bt
94-22165X	21921-83	Ring, Set, Piston, 3-1/2", +.005", Moly Faced, 1984-'99 bt, 1986-2003 xl
94-2216X		Ring, Set, Piston, 3-1/2", Standard, Moly Faced, .0625, .0625, .1525, 1984-'99 bt, 1986-2003 xl
94-2217X		Ring, Set, Piston, 3-1/2", +.010", Moly Faced, .0625, .0625, .1525, 1984-'99 bt, 1986-2003 xl
94-2218X		Ring, Set, Piston, 3-1/2", +.020", Moly Faced, .0625, .0625, .1525, 1984-'99 bt, 1986-2003 xl
94-2219X	21924-83	Ring, Set, Piston, 3-1/2", +.030", Moly Faced, .0625, .0625, .1525, 1984-'99 bt, 1986-2003 xl
94-9254	22589-83B, 22589-83A	Wristpin Keeper, C-Clip, .791"/.792", 4 Pk
94-9254-2	22589-83A	Wristpin Keeper, C-Clip, .791"/.792", 2 Pk
94-9254-S	22589-83A	Wristpin Keeper, C-Clip, .791"/.792"
94-9278-2	22097-99	Wristpin Keeper, C-Clip, .927", 2 Pk
94-9278-S		Wristpin Keeper, C-Clip, .927", Spring Wire Steel
940-0006	22355-37	Ring, Set, Piston, 3-7/16", Standard, 1937-'41 UL svbt
940-0007	22357-37	Ring, Set, Piston, 3-7/16", +.010", 1937-'41 UL svbt
940-0008	22358-37	Ring, Set, Piston, 3-7/16", +.020", 1937-'41 UL svbt
940-0009	22359-37	Ring, Set, Piston, 3-7/16", +.030", 1937-'41 UL svbt
940-0010	22360-37	Ring, Set, Piston, 3-7/16", +.040", 1937-'41 UL svbt
940-0011	22362-37	Ring, Set, Piston, 3-7/16", +.060", 1937-'41 UL svbt
940-0022	21949-07, 21936-99	Ring, Set, Piston, 3-3/4", Stock, Standard, 1999-up bt, 2 Pk
940-0023	21918-99	Ring, Set, Piston, 3-7/8", Stock, Standard, 1999-up bt, 2 Pk
940-0024	21918-99	Ring, Set, Piston, 3-7/8", Wiseco, Standard, 1999-up bt, 1 Pk
940-0026		Ring, Set, Piston, 3-7/8", Wiseco, +.010", 1999-up bt, 1 Pk

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Twin Cam 96™/103™
2007-2015

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Twin Cam 88™
1999-2006

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Evolution®
1984-1999

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S&S Rebuilds Stock Engines!

You may have heard that Harley-Davidson no longer offers the factory remanufacturing program, but not to worry! S&S has been offering a similar service for years. We still do, and the S&S Engine Rebuild Program offers a lot of extras the factory didn't.

S&S Rebuild Program Features

- Fast turn-around – 10 working days from delivery to S&S (Basic Packages)
- Engines are rebuilt with Viola V-Twin quality service parts
- Full machine shop service for repairs and performance upgrades
- 30 day labor and 1 year parts warranty
- You get the same engine back – keep your original VIN
- **Keep any performance upgrades you've made** – if serviceable
- If you want your used parts back – just pay the shipping costs

S&S Rebuild Program Benefits

- Competitive Pricing
- Expert workmanship using premium Viola V-Twin components
- Free Shipping to S&S and back to your dealer (in the lower 48 states) - No hidden charges

Options

- Same as Stock Rebuilds
- Performance Upgrades

Basic Packages

We have basic rebuild packages for 1984-'99 Evolution big twin engines and for 1999-present big twin A and B style engines except CVO engines*. If you want your engine to run just like it did when your bike rolled off the showroom floor, the basic package is the one for you.

The basic package includes the automatic service of items such as pistons, valves, valve springs, bearings, etc. and all other parts will be inspected and repaired if needed to ensure that they are within factory specifications. Flywheels in 1984-'99 Evolution big twins will automatically be rebuilt. Rebuilds for 1999-later engines automatically include a new S&S 3 Piece Flywheel Assembly. If an engine has more than normal wear and tear, and there are unserviceable parts that normally could be reused or rebuilt, the dealer will be contacted to discuss the options.

*CVO engines and any other engine, including vintage big twins not covered by this program, can be rebuilt on a custom basis. Just contact the S&S Service & Speed Center for a personalized quote. (608) 627-0763

S&S BASIC ENGINE REBUILD PACKAGES FOR STOCK HARLEY-DAVIDSON BIG TWINS

Engine Type	Part Number	MSRP
2001-2015 Twin Cam 88B™ 96B™, and 103B™	600-003	\$3,995.00
1999-2015 Twin Cam 88, 96™, and 103™	600-002	\$3,695.00
1984-1999 Evolution Big Twin	600-001	\$3,495.00



S&S 3 Piece Flywheels
For more information, go to
www.sscycle.com/flywheels



How The Program Works

The S&S Engine Rebuild Program is available only through participating dealers, and is not available directly to retail customers.

When your dealer places an order for the desired rebuild package, S&S will send detailed instructions. In the lower 48 United States, S&S will send a free call tag/pick up order. Dealers outside the lower 48 states are responsible for shipping. As a highly recommended option, S&S can send a shipping carton to ensure that the engine is properly to avoid damage in shipping.

When an engine is received it will be disassembled, and the parts cleaned and inspected. If any part that is normally reusable or is normally refurbished, is not serviceable, the dealer will be contacted. These parts can be replaced with S&S or Viola V-Twin parts, but there will be an additional charge since they are not included in the basic package. If a performance package is chosen over the Basic Rebuild, the difference in price will reflect the difference in product and related labor costs. For example, if an S&S Hot Set Up Kit is chosen, you won't be charged for rebuilding your stock heads, since they will be replaced with S&S Super Stock heads. A pretty sweet deal!

Sending An Engine For Rebuild

Attention Do-It-Yourselfers! If you prefer to remove your engine yourself to have your S&S Dealer send it to S&S for rebuilding, please remove the fuel system, ignition system, charging system, and any engine sensors or electronics. Package the engine securely to prevent damage in shipping. We suggest that an S&S engine carton be used. See your S&S Dealer for full details

Performance Upgrades

While your engine is out of the bike and taken apart, it's a great time to upgrade performance with minimal additional cost. S&S offers a wide variety of performance upgrades. Just look at the S&S catalog or visit the S&S website at www.sscycle.com to see what we have available for your engine. We can install anything you see in the catalog, but here are some suggested upgrade packages. Other upgrades will be installed and charged according to time and materials.

PERFORMANCE UPGRADE OPTIONS FOR 1999-2015 HARLEY-DAVIDSON TWIN CAM 88, 88B™, 96™, 96B™, 103™, AND 103B™ BIG TWIN ENGINES

Option	Part Number	MSRP
Performance Cam Upgrade	600-0010	\$50.00
Easy Start Cams	600-0011	\$100.00
Gear Drive Cams	600-0012	\$400.00
98" or 107" Big Bore Kit	600-0013	\$600.00
CNC Ported Heads	600-0014	\$650.00
124" Hot Set Up Kit	600-0015	\$3,400.00

PERFORMANCE UPGRADE OPTIONS FOR 1984-1999 HARLEY-DAVIDSON EVOLUTION BIG TWIN ENGINES

Option	Part Number	MSRP
Bolt-in Performance Cams	600-0004	\$50.00
Oil Pump	600-0005	\$328.00
Performance Heads	600-0006	\$700.00
S&S Flywheels	600-0007	\$900.00
89" Stroker Kit	600-0008	\$1,400.00
96" Hot Set Up Kit	600-0009	\$2,800.00



S&S Easy Start Cams

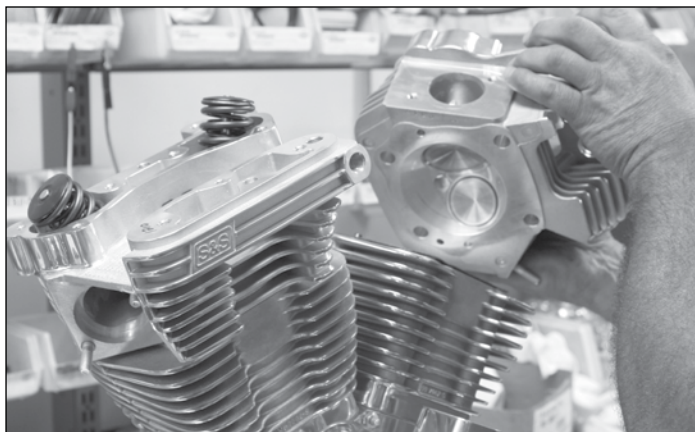
For more information, go to www.sscycle.com/easy-start-cams/



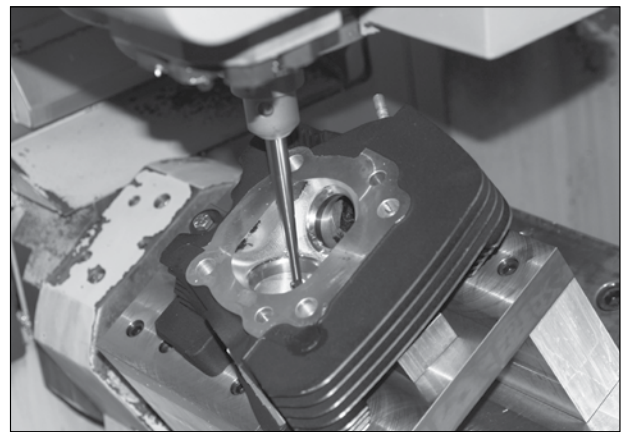
Easy Start Gear Drive Cams



124" Hot Set Up Kit



Performance Heads



CNC Ported Heads

NOTES

At this time S&S does not offer any cosmetic or finishing options. The S&S engine rebuilding program is for functional repair only.

Engines receiving the full basic rebuild package have stock performance and are emissions legal.

Engines rebuilt with S&S performance products, or performance products installed in the engine when received, are intended only for closed course competition use and are not legal for vehicles used on the street.

S&S is not responsible for shipping damage. We recommend that engines be insured and properly.

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SERVICE & SPEED CENTER®

Service!

The S&S Service and Speed Center is ready to take care of your machine shop, performance upgrade, and custom engine needs. With experienced and knowledge technicians, and state of the art equipment and tools, we can get the job done...guaranteed.

Speed!

S&S Cycle has been in business for fifty-five years and going strong. We've stood the test of time because the v-twin high performance products we offer are the best in the industry, and our service is just as good. Who's the best qualified to install those products and offers a warranty on all their work? Answer – the S&S Service and Speed Center.

Remanufacturing and Repair

- Remanufacture S&S engines to original factory specs
- Remanufacture S&S Carburetors
- Remanufacture S&S cylinder heads
- Remanufacture S&S flywheel assemblies – *Rebuild rods, install thrust washers, rebalance, and replace unserviceable parts*
- Stock engine rebuilds 1966 – present big twin
- Rebuild stock flywheels for 1948-'99 big twin and 1957-85 Sportster® models.
- Rebuild stock cylinder heads for 1966-present big twins

Performance Upgrades

- Install an S&S Hot Set Up Kit® in stock 1966-present big twin crankcases including late model "A" and "B" big twin engines
- Update stock heads for Harley-Davidson® 883cc Sportster® models to 1200cc size valves
- Compression ratio increase – *Machine gasket surfaces of cylinder heads, cylinders, or cases, and installation of high compression pistons*

Machine Shop Services

- Bore stock engine cases to accept big bore cylinders
- Hone S&S or stock Harley-Davidson cylinders to fit new pistons
- Timken® bearing conversions on 2003 – Up stock Harley-Davidson "A" and "B" crankcases

Custom Engine Building

- Non standard configurations – *engines we don't offer in the catalog*
- Custom cosmetic treatments – *powdercoating (available colors only), polishing, diamond cutting, and nonstandard combinations*



V I S I T
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