



## 1991-1993 Sportster Foot Clutch Kit – Install Instructions

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### Part Numbers:

- 0900802 - 91-93 Sportster Foot Clutch Kit Polished
- 0900804 - 91-93 Sportster Foot Clutch Kit Tumbled

### Tools Required:

1. Flat head screwdriver
2. 3/16" allen Key
3. 1/4" allen Key
4. Provided 3D printed clutch shaft installation tool

### Installation Instructions:

1. Put bike on a level surface and stand.
2. Drain the transmission oil from the primary as per the Harley manual.
3. Remove 2x 5/16" bolts, which are used to mount the left side footpeg assembly.
4. Remove inspection cover by removing the 2x 1/4"-20 bolts. Make sure to save the large o-ring seal from the inside of the OEM inspection cover. If a replacement is required, the Prism replacement part # is [2000851](#).
5. Remove the OEM spring, lockplate, and clutch nut (10) per the Harley manual. The only item that will be re-used for the Prism clutch assembly is the OEM clutch nut (10).
6. Remove the primary cover as per the Harley manual. Note, different length screws are used to secure the primary cover.
7. Remove clutch cable and coupling as per the Harley manual.
8. Reinstall the primary cover with the screws removed from step 6.
9. Plug the clutch cable hole on the primary cover with the provided 5/16"-24 x 1/2" bolt (1) and o-ring (13) and torque to specification as stated in the Harley manual.
10. Re-install the clutch nut (10) and adjust the clutch screw (15) per the Harley manual following the below steps:
  - a. Using a flat head screwdriver, turn the adjusting screw (15) counterclockwise until lightly seated.
  - b. Turn the adjusting screw 1/4 turn clockwise.
11. Assemble the following off the bike (from here on, you will be using only Prism parts):
  - a. Clutch connector shaft (9), wave spring (8), top hat bushing (7) and one shim (6). Additional shims may be required, for further details see step 14.
  - b. Insert clutch connector shaft pre-assembly from step 9.a. into the back of inspection cover (5), being careful to not damage the pre-installed o-ring. It is always beneficial to apply lubrication. That's what she said.
  - c. Install the provided clutch shaft installation tool (16) using the provided 5/16" button head bolt (1) and decorative washer (2).
12. Install inspection cover pre-assembly from step 11 on the primary cover (14). First, use the install tool (16) to line up the flats on the **inside** of the clutch connector shaft (9) with the flats on the adjusting screw (15). Then, **with as little rotation of the install tool (16) as possible**, push the inspection cover onto the primary cover while aligning the hex of the clutch connect shaft (9) with the hex on the HD ramp assembly (11).
13. Use 2x 1/4"-20 x 5/8" (4) provided to attach the clutch inspection plate pre-assembly and torque to specification as stated in the Harley manual.
14. Remove the 5/16" bolt (1), decorative washer (2), and clutch shaft installation tool (16) from the pre-assembly.
15. Remove shifter arm from spline to allow clearance for new clutch pedal to be installed.
16. Install the clutch pedal (3) in the appropriate position, using the 5/16" button head bolt (1), decorative washer (2) and Red Loctite.
17. Check that the clutch pedal (3) and stop are correctly adjusted to the following specifications:
  - a. Measured from the end of the pedal to the ground, the pedal should move between 2-3"
  - b. If the pedal moves more than 3", add a shim. If it moves less than 2", remove a shim.
  - c. To verify the 2-3" pedal movement is set correctly, the pedal should rotate 12-18 degrees.
  - d. Re-measure and repeat steps a & b as needed.
18. Re-install left side footpeg assembly.

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## MODIFIED CLUTCH RELEASE MECHANISM (1991-1993 MODELS)

1. 5/16"-24 x 1/2" Hex Drive Bolt (2x)
  2. Decorative Washer
  3. Clutch Pedal
  4. 1/4"-20 x 5/8" Socket Bolt (2x)
  5. Prism Inspection Cover
  6. 0.01" Shim
  7. Brass Top Hat Bushing
  8. Wave Spring Washer
  9. Clutch Connector Shaft
  10. HD Clutch Nut\*
  11. HD Ramp Assembly\*
  12. Ramp Mounting Bolt (3x)\*
  13. Clutch Cable O-ring
  14. HD Primary Cover\*
  15. HD Clutch Adjusting Screw Assembly\*
  16. 3D Printed Clutch Shaft Installation Tool
- \* = Stock parts on bike (not supplied in kit)

