



1994-2003 Sportster Foot Clutch Kit – Install Instructions

Part Numbers:

- 0900902 - 94-03 Sportster Foot Clutch Kit Polished
- 0900904 - 94-03 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. Remove 2x 5/16" bolts, which are used to mount the left side footpeg assembly.
3. Remove derby cover by removing the 4x 1/4"-20 bolts. Make sure to save the large o-ring seal from the inside of the OEM derby cover (12). If a replacement is required, the Prism replacement part # is [2000751](#).
4. Remove the OEM spring, lockplate, nut (10), & ramp assembly per the Harley manual. The only item that will be re-used for the Prism clutch assembly is the OEM nut (10).
5. Remove clutch cable as per the Harley manual.
6. 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.
7. Install the provided Prism ramp assembly (11), making sure the locking tab is at 11 o'clock and the hex side facing out.
8. Re-install the nut (10) from step 4 and adjust the clutch screw (15) as per the Harley manual following the below steps:
 - a. Using a flat head screwdriver, turn the adjusting screw (15) counterclockwise until it is lightly seated.
 - b. Turn the adjusting screw 1/4 turn clockwise.
9. 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 derby 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).
10. Install the derby cover pre-assembly from step 9 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 derby cover onto the primary cover while aligning the hex of the clutch connect shaft (9) with the hex on the Prism ramp assembly (11).
11. Use 4x 1/4"-20 x 5/8" bolts (4) to attach the clutch cover pre-assembly and torque to specification as stated in the Harley manual.
12. Remove the 5/16" bolt (1), decorative washer (2), and clutch shaft installation tool (16) from the pre-assembly.
13. Remove shifter arm from spline to allow clearance for new clutch pedal to be installed.
14. Install the clutch pedal (3) in the appropriate position, using the 5/16" button head bolt (1), decorative washer (2) and Red Loctite.
15. 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.
16. Re-install left side footpeg assembly.

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MODIFIED CLUTCH RELEASE MECHANISM (1994-2003 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 (4x)
 5. Prism Derby Cover
 6. 0.01" Shim
 7. Brass Top Hat Bushing
 8. Wave Spring Washer
 9. Clutch Connector Shaft
 10. HD Clutch Nut*
 11. Prism Ramp Assembly
 12. Derby Cover O-ring Gasket*
 13. Clutch Cable O-ring
 14. Primary Cover*
 15. Clutch Adjusting Screw Assembly*
 16. 3D Printed Clutch Shaft Installation Tool
- * – Stock parts on bike (not supplied in kit)

