



INSTRUCTIONS

-J02875

REV. 01-27-04

Kit Number 69714-04

SPORTSTER® BOBTAIL FENDER INSTALLATION KIT

General

This kit is designed for installing a Bobtail style fender on 2004 and later XL (Sportster) models.

NOTE

The Bobtail Fender is not included in this kit. The fender can be purchased either painted or primed and ready for painting. See your Harley-Davidson dealer for more details.

See Service Parts illustration for kit contents.

⚠ WARNING

The rider's safety depends on the correct installation of this kit. **USE THE APPROPRIATE SERVICE MANUAL PROCEDURES.** If the procedure is not within your capabilities or if you do not have the correct tools, have your Harley-Davidson Dealer perform the installation. Improper installation of this kit could lead to an accident and result in death or serious injury.

NOTE

Some Harley-Davidson International customers will be required to install License Plate Adapter kit Number 60081-00, NOT included in this kit.

NOTE

A Service Manual for your motorcycle is available from any Harley-Davidson dealer.

Installation

Remove Stock Fender

1. Follow instructions in applicable Service Manual and remove maxi-fuse. Save for installation.
2. Remove the seat.

NOTE

When performing the following step, removing the lower shock mounts (bolts) will lower the rear wheel and provide more room to access fender mounting hardware. Follow instructions in applicable Service Manual to remove the lower shock mounts.

⚠ WARNING

If the lower shock mounts will be removed, you must securely support the vehicle. Failure to securely support the vehicle could allow the vehicle to tip over which could result in death or serious injury.

3. Remove tail lamp lens from tail lamp assembly. Unplug connector from circuit board assembly and save. Unplug remaining wires from circuit board assembly and push wiring through openings inside of fender. Remove hardware securing tail lamp assembly to fender and remove the circuit board assembly. Save the circuit board assembly and discard the mounting plate and hardware.

NOTE

In the next step, the turn signal assemblies are removed along with the fender support covers.

4. Remove hardware securing the fender support covers and remove covers along with turn signal assemblies.
5. At the front of the fender, remove the two nuts securing the ignition module to the frame and save. Remove the ignition module. NOTE: It is not necessary to remove the main harness from the module.
6. Disconnect front connector of tail lamp power harness from main harness.
7. Refer to the applicable Service Manual for fender removal and remove and save rear fender hardware.

NOTE

Refer to the AMP Multilock section of the Service Manual for Connector Removal procedures.

8. At the lamp end of harness, disconnect the wire socket pins and remove lamp power connector. Pull tail lamp power harness out from conduit. Discard rear fender.

Prepare the Bobtail Style Rear Fender

1. See Service Parts Illustration. Obtain new fender (not included).

NOTE

Prior to routing wiring through conduit, the wiring harness must be installed through the "D" opening at the front of the fender. When re-installing lamp harness connector, refer to the AMP Multilock section of the Service Manual for Connector Installation procedures.

2. See Figure 2. Slide the wiring harness through the "D" hole in the new fender and secure by installing the "D" insert surrounding the harness to the fender.
3. See Service Parts Illustration. Obtain conduit (12) and route wiring through conduit.
4. See Figure 1. Install the power harness into the socket connector housing as indicated in the chart.

		Lamp Wires		
Function	No.	Type	Wire color	Cavity
Power In	[94]	6-pin multilock	O/W	1
			BN	2
			BE	3
			R/Y	4
			V	5
			BK	6

Figure 1. Wire Location At Connector

NOTE

Make certain the socket terminal slot (on the same side of the terminal as the crimp tails) faces the connector release button.

5. Close the secondary locks on the socket housings.

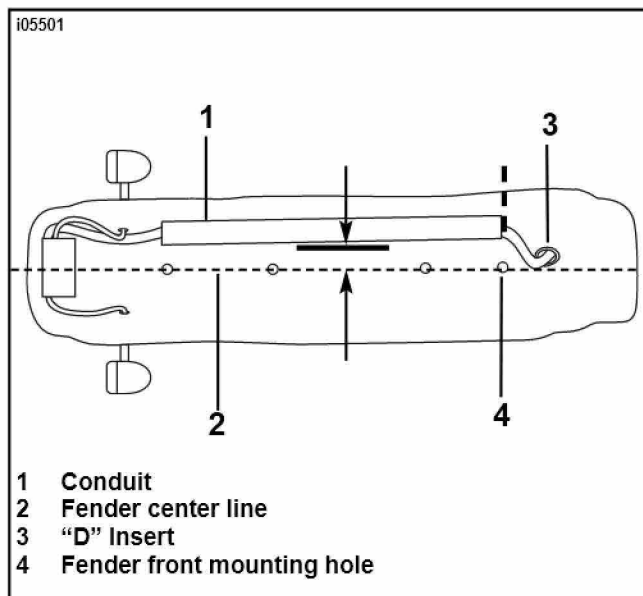


Figure 2. Measure a 2-3/8 to 2-1/2 in. line for Conduit Positioning

6. With the wiring harness jumper installed into conduit, perform the following:
 - a. Thoroughly clean inside surface of fender with soap and water until it is free of dirt, oil or other debris.
 - b. Dry the surface, then wipe the approximate area where conduit will be placed with isopropyl alcohol. Allow to dry completely.
 - c. See Figure 2. Measure and mark a 2-3/8 to 2-1/2 inch line from centerline of fender, then mark a line even with the front fender mounting hole.
 - d. See Figure 3. Remove protective strip covering adhesive on conduit and lightly position the conduit in place.



Figure 3. Remove Adhesive Protective Strip from Conduit

- f. See Figure 4. Use a wallpaper corner roller (available at most home improvement stores), to roll along the conduit to purge the air from adhesive and fender.

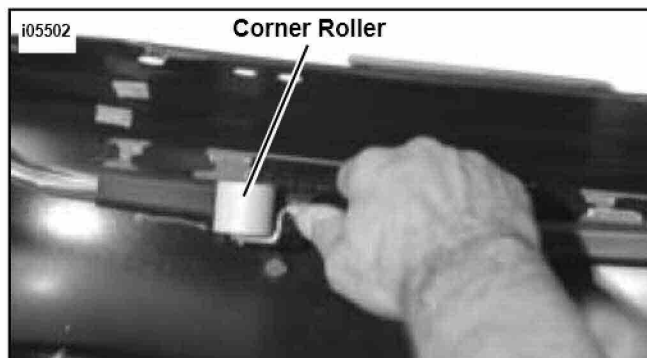


Figure 4. Use a Corner Roller to Purge Air between Adhesive and Fender

NOTE

Do not rub the conduit to make it adhere to the fender. This will not do an adequate job of purging the air from between the adhesive and fender. Once the adhesive is in place, it requires 72 hours to fully cure. Do NOT pull or try to reposition the conduit during this period.

NOTE

When performing the next step, note that location for installing the seat retention nut and washer depends on the seat style being mounted. Determine the correct location for your seat prior to installation.

7. See the Service Parts Illustration. Obtain the seat retention washer (14) and nut (13) from kit. Install the retention nut using the retention washer.
8. Obtain the rear fender extension (5) and 5 pop rivets with rivet washers (18) from kit. Carefully align and rivet the fender extension to the bobtail fender.
9. See Service Parts Illustration. Obtain the paint protector tape (6) from kit and install around front seat mounting hole.
10. Install the rubber fender isolation grommet (1) into the center hole at the front of the fender. Install the spacer (17) into the isolation grommet from the bottom.

Install the Fender

1. See the Service Parts illustration. Carefully place the fender into position between the fender supports.
2. Secure the front of the fender to the frame tab using the seat mounting stud and washer saved during removal of stock fender. Finger tighten only.
3. Align the fender support cover holes with fender holes and feed the turn signal wires through the fender supports and new fender.
4. Obtain two washers, two locknuts (5) and the two 5/16-18 x 1-3/4 inch button head screws (4) from kit. Line up the front side holes in the fender support cover with the holes in the fender support and fender. Install screw with washer and secure with locknut. Repeat for the opposite side. Leave loose for now.
5. Obtain the tail light/license plate bracket (7) and left (9) and right (8) bracket plates from kit. Align and position the plates to the left and right sides of the bracket as shown.

6. While holding the left and right plate brackets against the tail light/license plate bracket (7), carefully install the assembly under the rear of the fender, aligning the holes in the plates over the turn signal mounting studs. Install locknuts to secure brackets to left and right turn signal studs. Finger tighten.
7. Install 5/16-18 x 1-3/8 inch button head screw (3) with washer (11) through fender support cover, fender support and into threaded hole in tail light/license plate bracket. Repeat for the opposite side. Finger tighten.
8. Return to the front and tighten the seat mounting nut and bolt to 8-13 ft-lbs (11-18 Nm).
9. Tighten the two forward (fender cover to support and fender) screws and locknuts to 11-18 ft-lbs (15-24 Nm).

NOTE

When performing the next two steps, hold the taillight bracket up against the inside top of the fender.

10. Tighten the two directional signal mounting stud nuts to 11-18 ft-lbs (15-24 Nm).
11. Tighten the two rearmost (fender cover to support, fender and tail light/license plate bracket) screws to 11-18 ft-lbs (15-24 Nm).
12. See Figure 5. Install the stock circuit board assembly as shown to the tail lamp/ license plate bracket by pushing the circuit board assembly studs into the sockets in the bracket.
13. Gently pull the the rear lamp harness back to the tail lamp/license plate bracket and insert the rear lamp (power in) connector into the proper circuit board socket. Gently pull the turn signal wiring back crossing the left and right turn signal wires behind the bracket and insert two-place connectors into the sockets as shown.
14. See Service Parts Illustration. Capture the turn signal wires with the tabs located on the left (8) and right (9) plate brackets.
15. Rotate the stock tail lamp assembly 180 degrees from its original position. Connect the tail lamp connector into the circuit board assembly. Install the tail lamp lens onto the bracket with the two saved screws. Torque to 20-24 in-lbs (2.3-2.7 Nm).

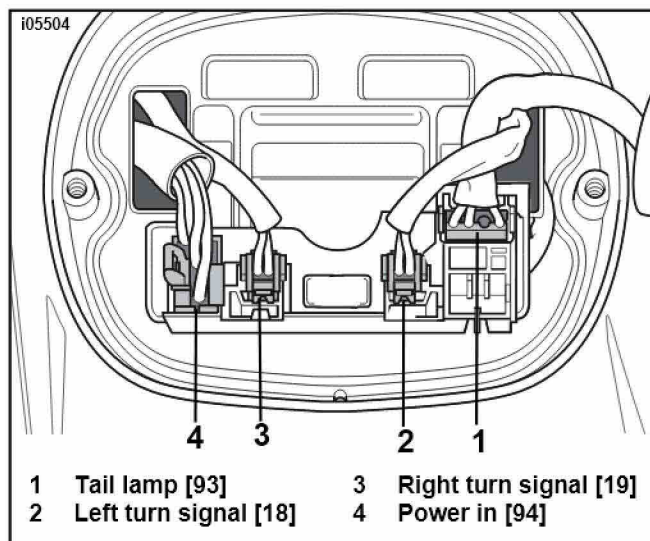


Figure 5. Rear lamp connections

16. Insert tail lamp harness through opening in front of fender and connect to main harness. Using nuts saved during removal, install ignition module to frame. Tighten nuts securely.

Install the Reflectors

⚠ WARNING

Federal Motor Vehicle Safety Standard (FMVSS) 108 requires all motorcycles to be equipped with rear and side reflectors. Visibility is a major concern for motorcyclists. Failure to have rear and side reflectors properly installed could result in death or serious injury.

1. See Service Parts Illustration. Install a reflector (19,20) on each side of the fender directly above the fender support.
2. For Domestic versions:
Affix the rear reflector (21) to the reflector bracket (23), and snap the tabs on the reflector bracket into the slots in the tail lamp/ license plate bracket (7)

For HDI versions:

Affix the rear reflector (22) to the reflector bracket (purchased separately, Part Number 60123-02), and snap the tabs on the reflector bracket into the slots in the tail lamp/ license plate bracket.

Final Assembly

1. See Service Parts Illustration. Remove and install new seat mounting bracket using stock hardware (24).
2. Install the Maxi-Fuse.

⚠ WARNING

Be sure that all light switches operate properly before operating motorcycle. Low visibility of rider can result in death or serious injury. (00316a)

3. Check turn signals, stop and tail lamp for proper operation.
4. Refer to the Service Manual, and follow instructions to install the seat.

⚠ WARNING

After installing seat, pull upward on front of seat to be sure it is locked in position. When riding, a loose seat can shift causing loss of control which could result in death or serious injury. (00070a)

NOTE

Install reflectors (items 19 and 20) on fender directly above fender support covers. Long reflector (item 21) is installed below license plate on reflector bracket.



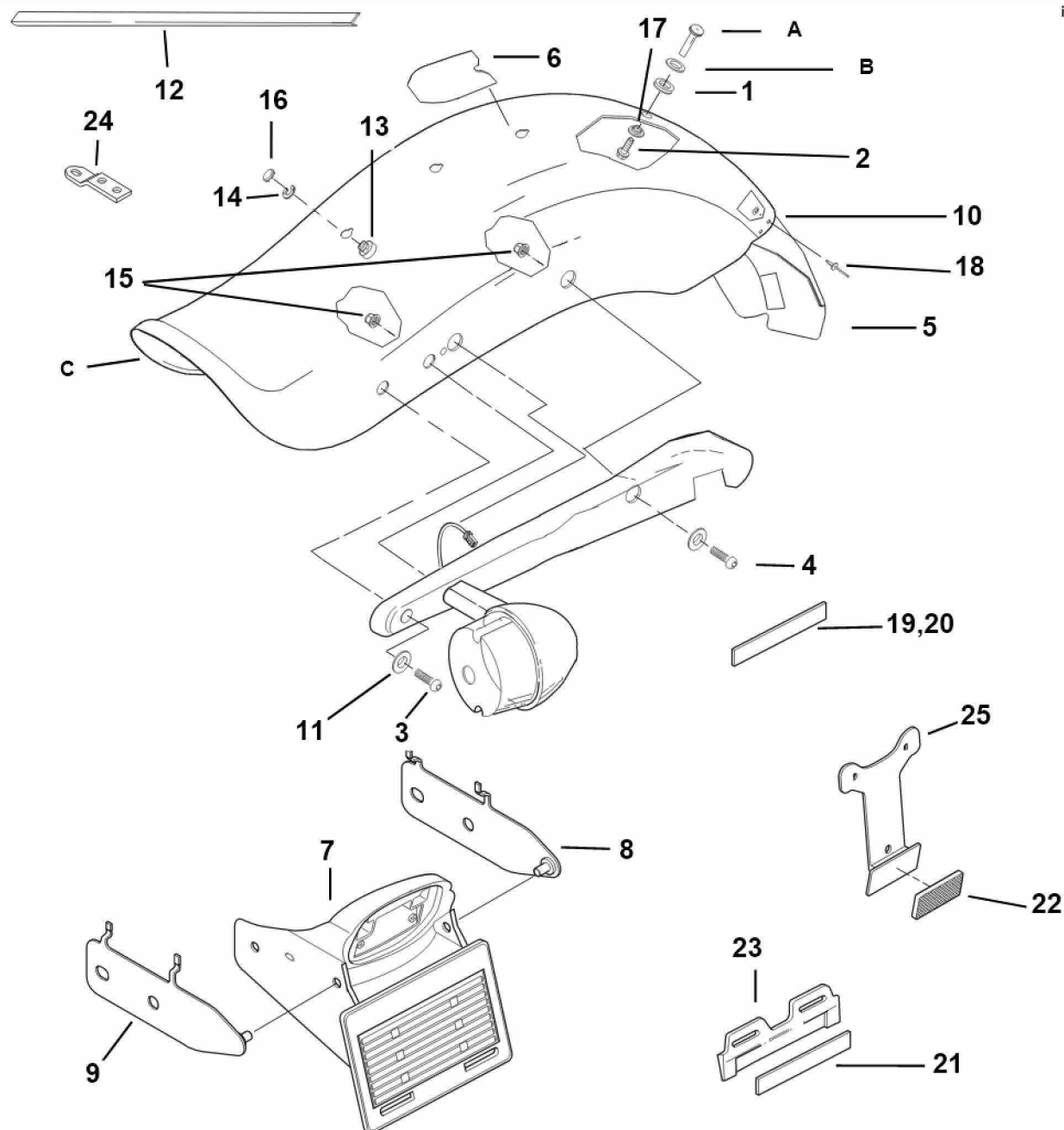
Service Parts

Part Number 69714-04

Date 01/04

XL Bobtail Fender Installation Kit

105505



Item	Description(Qty)	Part Number	Item	Description (Qty)	Part Number
1	Grommet, fender isolation	11474	14	Washer, seat retention	7489A
2	Screw, hex 5/16X3/4	3987	15	Nut, lock flange 5/16 inch (4)	7531
3	Screw, button 5/16X1-3/8 inch (2)	4778	16	Plug, hole seat mount (2)	761
4	Screw, button 5/16X1-3/4 inch (2)	4779	17	Spacer, front fender mount	7882
5	Extension, fender	59502-04	18	Rivet, pop 5/32 inch (5)	8692
6	Tape, paint protector	59547-04	19	Reflector, red right	59287-92
7	Bracket, tail light/license plate	59577-04	20	Reflector, red left	59288-92
8	Bracket assy (plate, RH inner)	60110-04	21	Reflector, rear (DOM)	59988-72A
9	Bracket assy (plate, LH inner)	60109-04	22	Reflector, rear (HDI)	59259-90
10	Washer, flat #8 (5)	6192	23	Bracket, reflector rear (DOM)	60019-93A
11	Washer, flat 1/2 inch (4)	6798	24	Bracket, seat mounting	51655-04
12	Conduit, wire harness	70517-03	25	Bracket, license plate (HDI)	60123-02
13	Nut, seat retention	7488	A	Original equipment screw	
			B	Original equipment washer	
			C	Fender, not part of kit	