



INSTRUCTIONS

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2013-07-31

REAR BRAKE SWITCH JUMPER HARNESS SERVICE KIT

GENERAL

Kit Number

69200793

Models

This kit is a direct replacement for the original equipment (OE) rear brake switch jumper harness on 2014-later XL Sportster models. See the parts catalog for fitment.

Installation Requirements

▲ WARNING

Rider and passenger safety depend upon the correct installation of this kit. Use the appropriate service manual procedures. If the procedure is not within your capabilities or you do not have the correct tools, have a Harley-Davidson dealer perform the installation. Improper installation of this kit could result in death or serious injury. (00333b)

An Ultratorch UT-100 (Part No. HD-39969), Robinair Heat Gun (Part No. HD-25070) with Heatshrink Attachment (Part No. HD-41183), or other suitable radiant heating device is required for the proper installation of this kit.

NOTE

This instruction sheet refers to service manual information. A service manual for this year/model motorcycle is required for this installation. One is available from a Harley-Davidson dealer.

Kit Contents

See Figure 2 and Table 1.

PREPARATION

NOTE

- **For vehicles equipped with security siren:** With security fob present, turn ignition switch ON. After system is disarmed, turn ignition switch OFF. **IMMEDIATELY** remove the main fuse per the service manual.
- **For vehicles WITHOUT security siren:** See the service manual to remove the main fuse.

REMOVAL

1. Remove the mufflers per the service manual.
2. See Figure 1. Cut the shrink tube covering the stop lamp switch (5) and jumper harness (1).

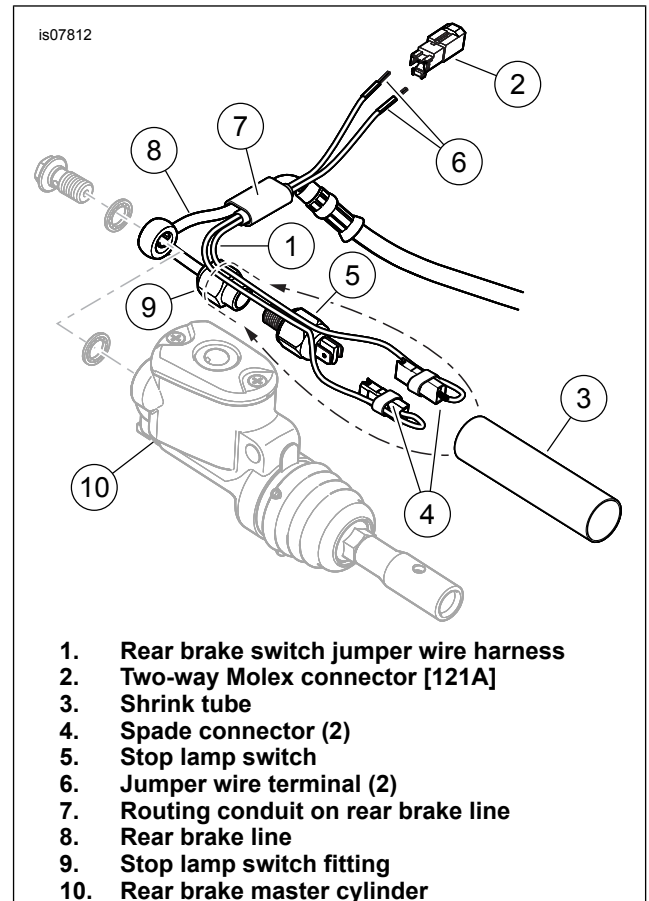


Figure 1. Stop Lamp Switch Wire Routing

3. Unplug jumper harness spade connectors [121B-1] and [121B-2] (4) from the stop lamp switch. Unplug the two-way Molex rear brake switch jumper connector [121A] (2) from the main harness below the swing arm pivot.
4. Remove the terminals (6) from connector [121A] per the service manual appendix.
5. One lead at a time, pull the rear brake switch jumper wires and terminals through the routing conduit (7) on the rear brake line (8). Discard the jumper harness and connector.

INSTALLATION

1. Get the **new** brake switch jumper wire harness from the kit. See Figure 1. One lead at a time, thread the jumper terminals (6) and wires through the routing conduit (7) on the rear brake line (8) as shown.
2. Install the terminals and wires into the correct cavities of the **new** two-way Molex pin housing (2) from the kit.
 - Blue/green wire into cavity 1.

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- Black wire into cavity 2.

Push the terminals into the housing until they click into place.

3. Plug the pin housing into vehicle main harness socket housing [121B].
4. Route the jumper harness wires from the routing conduit:
 - a. along the brake line to the master cylinder (10),
 - b. under the master cylinder,
 - c. along the brake line to the stop light switch fitting (9),
5. Plug each spade connector [121B-1] or [121B-2] (4) into one of the stop lamp switch (5) terminals.
6. Lay the jumper harness wires flat against the stop lamp switch and fitting.

NOTE

Position the shrink tube to cover at least a portion of the spade connectors and switch fitting.

7. Slide the shrink tube (3) from the kit over the spade connectors (4) and wiring, stop lamp switch (5) and fitting (9).

Installation of protective shrink tubing over wire leads is necessary in the installation of the jumper harness.

▲ WARNING

Be sure to follow manufacturer's instructions when using the UltraTorch UT-100 or any other radiant heating device. Failure to follow manufacturer's instructions can cause a fire, which could result in death or serious injury. (00335a)

- Avoid directing heat toward any fuel system component. Extreme heat can cause fuel ignition/explosion resulting in death or serious injury.
 - Avoid directing heat toward any electrical system component other than the tubing on which heat shrink work is being performed.
 - Always keep hands away from tool tip area and heat shrink attachment.
8. Use a heat gun or suitable radiant-heating device to shrink the tubing to the wires, stop lamp switch and fitting.

COMPLETION

1. Install the mufflers per the service manual.

NOTE

Verify that the ignition switch is OFF before installing the main fuse.

2. See the service manual to install the main fuse.
3. Check the stop lamp for proper operation.

SERVICE PARTS

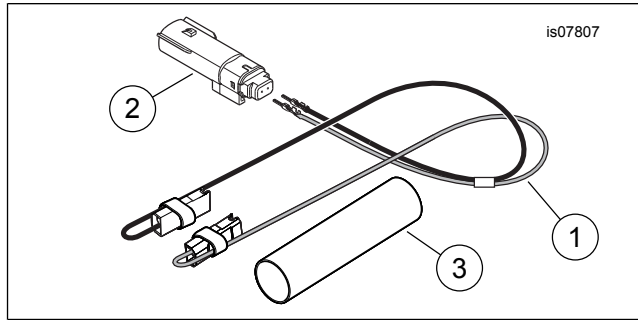


Figure 2. Service Parts, Rear Brake Switch Jumper Harness Service Kit

Table 1. Service Parts

Item	Description (Quantity)	Part Number
1	Wire harness, brake switch jumper (for service)	69200794
2	Pin housing, two-way Molex	69200272
3	Heat shrink tube, 75 mm (3 in) long	69200790