



INSTRUCTIONS

J04837

2013-10-01



TRIKE TRUNK INTERIOR LIGHT KIT

GENERAL

Kit Number

83946-11

Models

For model fitment information, see the P&A retail catalog or the Parts and Accessories section of www.harley-davidson.com (English only).

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)

NOTE

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

Kit Contents

See Figure 7 and Table 1.

PREPARATION

⚠ WARNING

To prevent accidental vehicle start-up, which could cause death or serious injury, remove main fuse before proceeding. (00251b)

NOTE

- **Vehicles 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.
- **Vehicles WITHOUT security siren:** See the service manual to remove the main fuse.

INSTALLATION

1. Open the trunk door. Remove the trunk liner.
2. See the service manual to remove the trunk door cover.

3. See Figure 1. Install the switch and bracket assembly on the trunk light harness onto the left hinge bracket.
 - a. Remove the forward hinge nut (2) from the hinge bracket.
 - b. Install the switch and bracket assembly (1) onto the hinge bracket.
 - c. Secure the switch bracket with the nut. Do not fully tighten now.

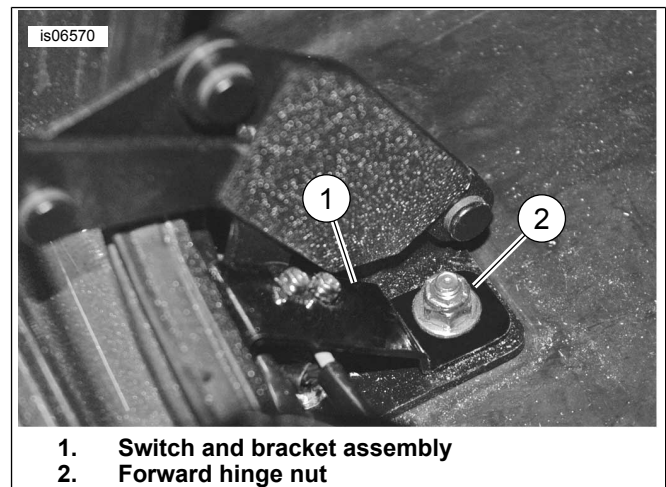


Figure 1. Install Trunk Light Switch

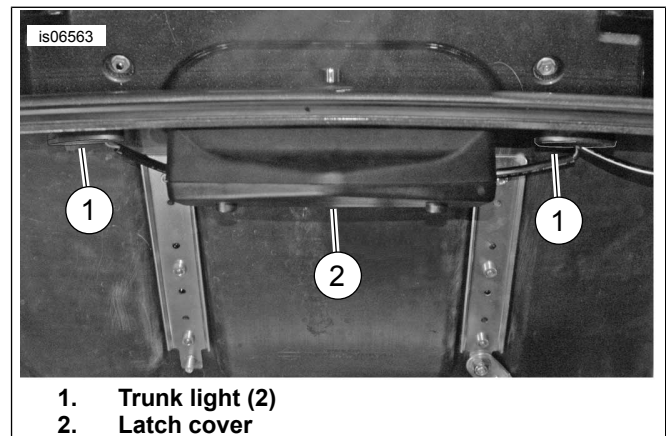


Figure 2. Trunk Light Mounting Locations (2011- Later Shown, 2009-2010 Similar)

4. Route the trunk light harness. Secure the harness with the existing clips located along the rear wall of the trunk.
 - a. to the rear trunk wall,
 - b. around the left side of the hinge,



- c. up around the trunk door opening
- d. to the top of the trunk.

NOTE

- Make sure that ambient temperature is **at least 16 °C (60 °F)** for proper adhesion of the lights to the inside of the trunk.
 - Allow **AT LEAST 24 hours** after applying the lights before exposing the area to extreme weather.
 - The adhesive bond will increase to maximum strength after about 72 hours at normal room temperature.
5. Test-fit the lights to the inside of the trunk before installation. Do not remove the protective tape until ready to apply the lights. **2011- Later Models:** See Figure 2. Position the lights to the inside of the trunk on either side of the trunk latch assembly. **2009- 2010 Models:** Position the lights to the trunk ceiling.
 6. Clean the light mounting area with a mixture of 50 percent isopropyl alcohol and 50 percent distilled water. Allow to dry completely.
 7. Remove the protective tape from the adhesive backing of the lights. Carefully position the lights to the inside of the trunk. Press firmly into place. Hold the lights in position with steady pressure for about ten seconds.
 8. See Figure 7. Install a wire clip (5) as needed under the trunk light wire harness inside the trunk. Secure the harness to the wire clip with a cable strap (4). Repeat step as necessary until the harness is secure.
 9. Route the trunk light harness connector to the trunk door.

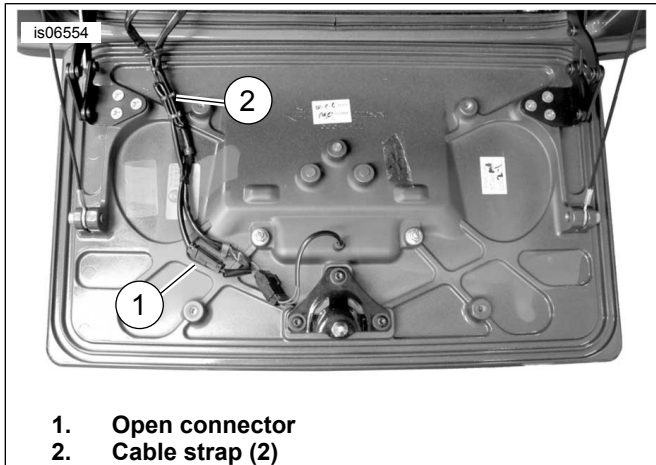
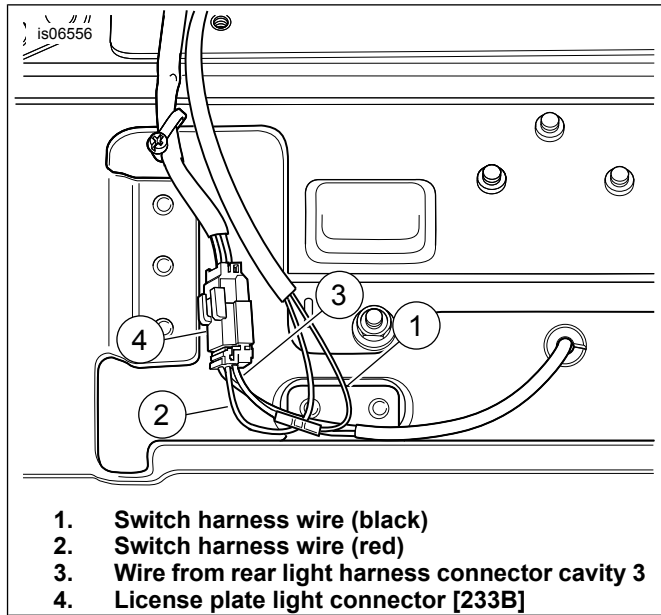
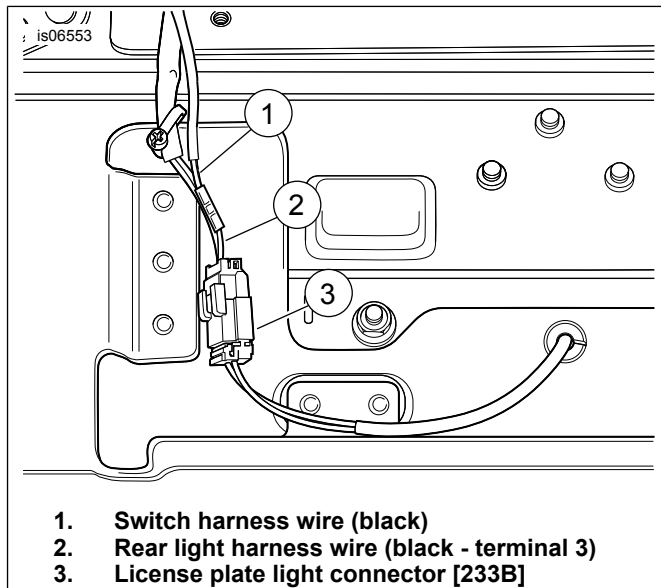


Figure 3. Trunk Light Connection (2011- Later Models)



1. Switch harness wire (black)
2. Switch harness wire (red)
3. Wire from rear light harness connector cavity 3
4. License plate light connector [233B]

Figure 4. License Light Connector (2010 Models)



1. Switch harness wire (black)
2. Rear light harness wire (black - terminal 3)
3. License plate light connector [233B]

Figure 5. License Light Connector (2009 Models)

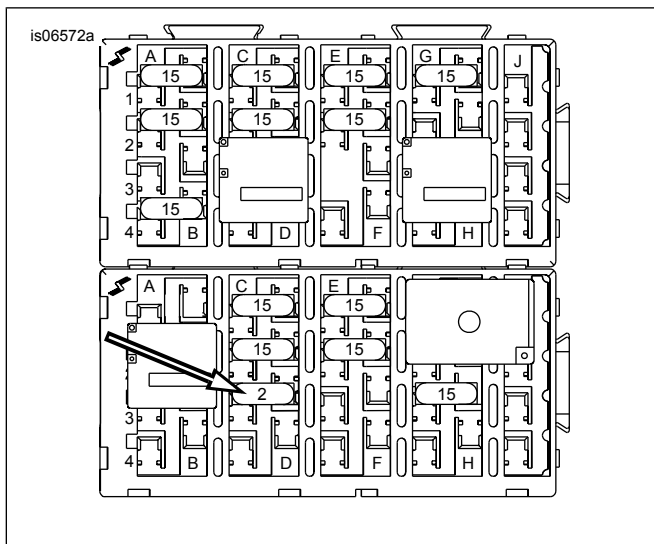


Figure 6. Install 2 Amp Fuse (2010- Later Models)

10. **2014- Later Models:** Plug the trunk light harness connector into the open trunk light connector [263A] near the license plate light connector [233B] on the trunk door. **2011- 2013 Models:** See Figure 3. Plug the trunk light harness connector into the open connector (1) on the trunk door. **2010 models:** Connect the trunk light harness to the license plate light harness on the trunk door. **2009 models:** Connect the trunk light harness to the vehicle rear lighting harness:

- a. Connect the trunk light harness connector to the open trunk light connector [263A] near the license plate light connector [233B] on the trunk door.
- b. See Figure 6. Install the 2 Amp fuse from the kit into the trunk light cavity (C3-D3) of the fuse block.
- c. See the service manual to remove the 2-way socket housing (Figure 7, Item 2) from the trunk light harness.
- d. See Figure 4. Unplug the license plate light connector [233B] (4) from the rear lighting harness connector [233A].
- e. See the service manual to install the red wire terminal of the trunk light harness into cavity 2 of the license plate light connector [233B].
- f. Cut the terminal from the black wire of the trunk light harness. Trim approximately 5 mm (3/16 in) of insulation from the wire end.
- g. Pull or cut back the conduit from the license plate light harness wires.
- h. Cut the black wire of the license plate light harness, leaving enough room on the wire to add a sealed splice connector.
- i. See the service manual. Use a sealed splice connector (Figure 7, item 7) to splice the license plate harness black wire to the trunk light harness black wire.

- j. Plug the license plate light connector [233B] into the rear lighting harness connector [233A].
- k. See Figure 6. Install the 2 Amp fuse from the kit into the trunk light cavity (C3-D3) of the fuse block.
- l. See the service manual to remove the seat.
- m. See Figure 7 and the service manual. Connect the power harness (8) to the B+ connector [160B] in the area under the seat.
- n. Route the power harness into the trunk through the grommet in the left front wall of the trunk. Route the harness from the grommet, alongside the existing harness, to the trunk door.
- o. See the service manual to remove the 2-way socket housing (Figure 7, Item 2) from the trunk light harness.
- p. Cut the terminals from the black and red wires of the trunk light harness. Trim approximately 5 mm (3/16 in) of insulation from the wire ends.
- q. See Figure 5. Disconnect the license plate connector [233B] (3) from the rear lighting harness connector [233A].
- r. Cut the black wire of the rear lighting harness license plate light connector [233A]. Leave enough room to install a sealed splice connector.
- s. Trim approximately 5 mm (3/16 in) of insulation from each wire end.
- t. See the service manual. Use a sealed splice connector (Figure 7, item 7) to splice the red wire of the trunk light harness to the power harness (8) wire. Use the remaining sealed splice connector (7) to splice the license plate harness black wire to the trunk light harness black wire.
- u. Plug the license plate light connector [233B] into the rear lighting harness connector [233A].
- v. Install the 2 Amp fuse (6) into the inline fuse holder of the power harness.

COMPLETION

NOTE

*To prevent possible damage to the sound system, verify that the ignition switch is OFF **before** installing the main fuse.*

1. See the service manual to install the main fuse.

Adjust Switch Position

1. Fully open the trunk door.
2. Rotate the switch bracket toward the hinge until the switch "clicks" and the trunk light turns on.
3. Hold the switch in position and tighten the hinge nut.

NOTE

The trunk light shuts off automatically after 5 minutes with the trunk door open.

4. Begin closing the door. The trunk light turns OFF when the door is closed half way. Close the door.
5. Open the door. The trunk light turns ON.

Secure Trunk Light Wire Harness

1. Where available, secure the trunk light harness to factory-mounted clips along with the rear lighting wire harness.

2. Get wire clips from the kit as needed. Remove the protective tape from the adhesive backing of the clips, and mount to the vehicle surface beneath the wire harness. Secure the wire harness to each clip with a cable strap from the kit.
3. As needed, secure wire harness to existing wiring harness with cable straps.
4. Install trunk liner.
5. See service manual to install trunk door cover.

SERVICE PARTS

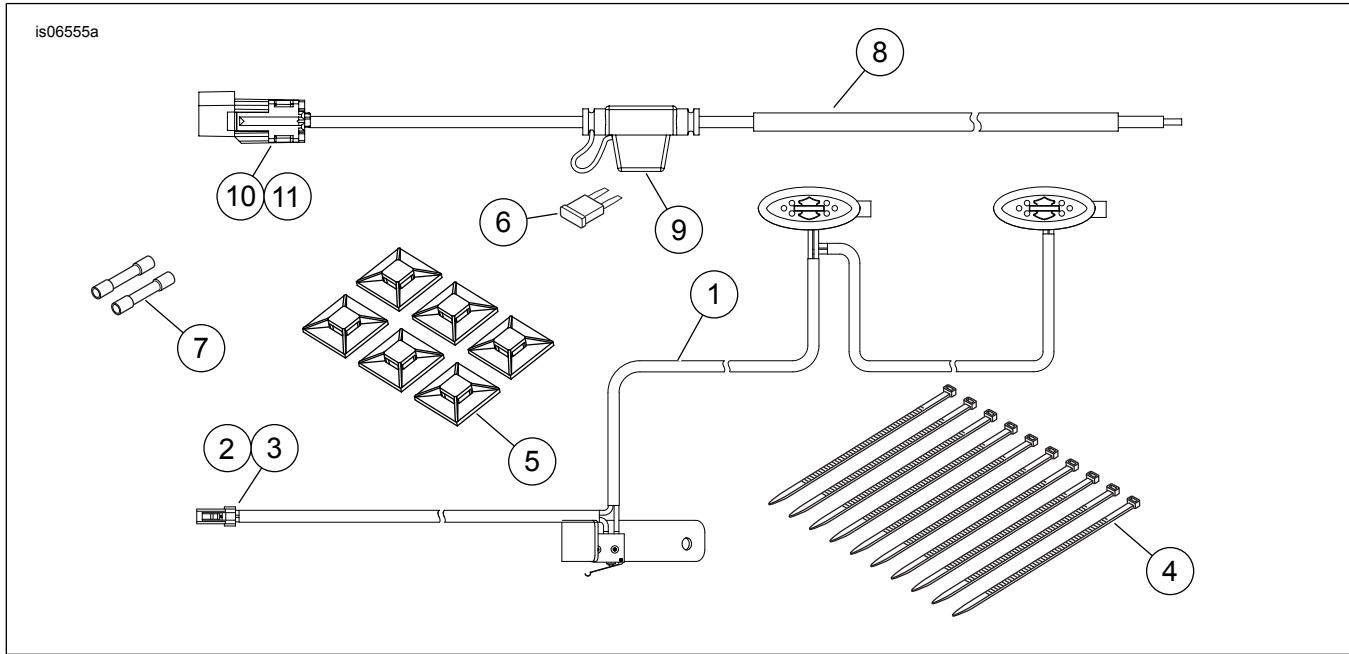


Figure 7. Service Parts, Trike Trunk Interior Light Kit

Table 1. Service Parts Table

Item	Description (Quantity)	Part Number
1	Harness, trunk light	84029-11
2	• Housing, 2-way Amp	73152-96BK
3	• Terminal socket (2)	73191-96
4	Cable strap (10)	10126
5	Clip, wire (6)	11769
6	Fuse, 2 A, mini	54305-98
7	Sealed splice connector (2)	70585-93
8	Harness, power	84046-11
9	• Fuse holder with cover	70306-02
10	• Housing, connector	72100-04
11	• Terminal, male	72107-04