



INSTRUCTIONS

-J03990

REV. 2010-06-25

AUXILIARY BRAKE/ RUN/TURN SIGNAL CONVERSION KIT

GENERAL

Kit Number

69461-06B

Models

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

This kit is not compatible with the accessory Narrow Chrome Directional Bar, Part Number 68611-98.

NOTE

Red turn signal lenses may not be legal in all states. Check your local regulations.

WARNING

The rider's safety depends 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. (00333a)

NOTE

This instruction sheet references Service Manual information. A Service Manual for your model motorcycle is required for this installation and is available from a Harley-Davidson Dealer.

Kit Contents

Table 1. Kit Contents

| Description (Quantity) | Part Number |
|--|-------------|
| Tail light/Turn signal module | 69467-06B |
| Turn signal lens (red) (2) | 68458-88 |
| Connector, pre-insulated, sealed, butt-splice (yellow) | 70587-93 |
| Shrink tube | 72266-94 |
| Cable strap, 7.5 in. (190 mm) (6) | 10006 |

WARNING

When installing any electrical accessory, be certain not to exceed the maximum amperage rating of the fuse or circuit breaker protecting the affected circuit being modified. Exceeding the maximum amperage can lead to electrical failures, which could result in death or serious injury. (00310a)

NOTE

This kit requires up to 4.5 amps additional current from the brake light circuit while brakes are applied.

NOTICE

It is possible to overload your vehicle's charging system by adding too many electrical accessories. If the combined electrical accessories operating at any one time consume more electrical current than the vehicle's charging system can produce, the electrical consumption can discharge the battery and cause damage to the vehicle's electrical system. See an authorized Harley-Davidson dealer for advice about the amount of current consumed by additional electrical accessories or for necessary wiring changes. (00211c)

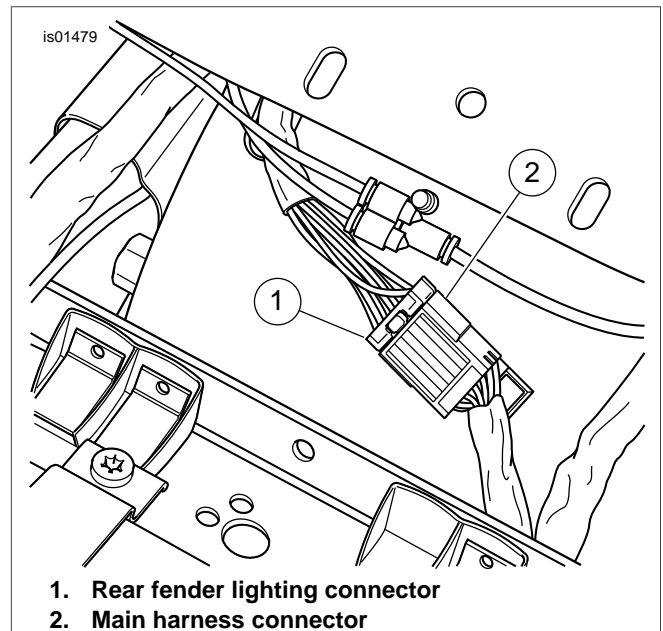


Figure 1. Typical Rear Fender Lighting Connector (FLHTC shown)

INSTALLATION

WARNING

To prevent accidental vehicle start-up, which could cause death or serious injury, disconnect negative (-) battery cable before proceeding. (00048a)

⚠ WARNING

Disconnect negative (-) battery cable first. If positive (+) cable should contact ground with negative (-) cable connected, the resulting sparks can cause a battery explosion, which could result in death or serious injury. (00049a)

1. Refer to the Service Manual and follow the instructions given to remove the seat and disconnect the battery cables, negative cable first.
2. See Figure 1. Locate the rear wiring harness coming out of the rear fender in the area underneath the seat. Disconnect the rear fender lighting wiring connector (1) from the main harness connector (2).
3. Obtain the turn signal module from the kit, and mate the module connectors to the male and female rear fender wiring harness connections. Snap into place.

NOTE

Due to variations between models, there is no single best location to secure the module. When deciding on a location for securing the module, make sure that the connectors and module will not be bound, and that the wiring will not be pinched when the seat is re-installed.

Also, be certain to maintain clearance between the wiring harness and the rear wheel underneath the fender.

4. Using cable straps from the kit, secure the module, connector and wiring in the area underneath seat.

1997-1999 FLHR and FLHRCI models: Go to Step 5.

All other models: Proceed to Step 6.

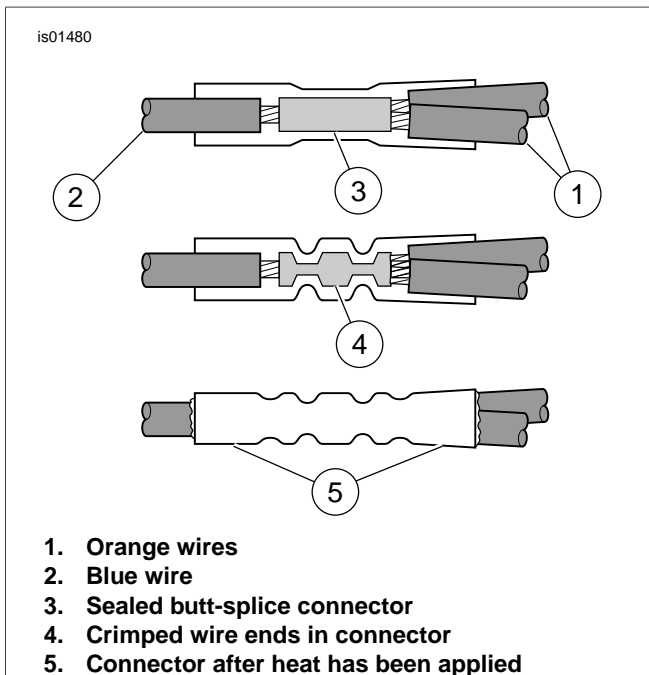


Figure 2. Installing Sealed Butt Connectors

⚠ 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 connectors on which heat shrink work is being performed.
- Always keep hands away from tool tip area and heat shrink attachment.

5. For 1997-1999 FLHR and FLHRCI models only:

It is necessary to change the circuit to which the brake light is connected. This is done by following the steps outlined below. When this procedure has been completed, be sure that the total draw on the instrument circuit does not exceed 15 amps.

- a. Reference the wiring diagram in the appropriate Service Manual. Follow the blue wire from the stop lamp relay [124] to the main harness (located underneath the seat). Remove the cable strap holding the main harness to the frame to make the wires more accessible.

- b. Locate the orange wire from the instrument circuit at the fuse block. Follow it to the main harness.

- c. Cut both blue and orange wires at a location that will be convenient for splicing.

- d. Strip 3/8 inch (9.5 mm) of insulation from each newly-cut end of the orange wire.

DO NOT strip the cut end of the blue wire coming from the main harness. This wire will no longer be connected to the light circuit.

Strip 3/8 inch (9.5 mm) of insulation from the cut end of the blue wire coming from the stop lamp relay.

- e. See Figure 2. Insert the ends of both orange wires (1) and the blue wire (2) from the stop lamp relay into the sealed butt-splice connector (3) from the kit.

- f. See the SEALED BUTT SPLICE CONNECTORS section of the Service Manual. Match the color of the connector with the color of the crimp cavity of the Crimp Tool, Part No. H-D 38125-8, and crimp the connector to the wires with the Crimp Tool.

- g. See Figure 2. Using the UltraTorch UT-100 (H-D 39969), Robinair Heat Gun (H-D 25070) with Heat-shrink Attachment (H-D 41183), or other suitable radiant heating device, heat the crimped splice to

encapsulate the butt splice connection. Apply heat from the center of the crimp out to each end until the meltable sealant extrudes out of both ends of the connector (5). Let the connector cool.

- h. Slide the shrink tube from the kit over the blue wire coming from the main harness, and heat the shrink tube to seal the bare end of the wire.
 - i. Use cable straps from the kit to bundle and secure the main harness to the frame in the original position.
6. Remove the screws from the rear turn signal lenses. Remove and discard the lenses. Install the red replacement rear turn signal/ brake light lenses and fasten with the original screws. Tighten securely.

 **WARNING**

Connect positive (+) battery cable first. If positive (+) cable should contact ground with negative (-) cable connected, the resulting sparks can cause a battery explosion, which could result in death or serious injury. (00068a)

7. Connect the battery cables, positive cable first.

 **WARNING**

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

8. Refer to the Service Manual, and follow instructions to install the seat.
9. Start the motorcycle and make sure that both left and right turn signals and the brake lights all function properly.