



INSTRUCTIONS

-J02606

REV. 5-23-2002

Kit Number 68718-02

FXDWG TURN SIGNAL RELOCATION KIT

General

This kit is designed for use when installing Leather Saddlebag Kits (Part Number 79078-02 or 91622-03) on 2002 and Later FXDWG Model Motorcycles.

See the Service Parts Illustration for kit contents.

NOTE

A Service Manual for your vehicle is available from your Harley-Davidson Dealer.

Installation

WARNING

To protect against shock and accidental start-up of vehicle, disconnect the negative battery cable before proceeding. Inadequate safety precautions could result in death or serious injury.

1. Disconnect the negative battery cable.
2. Elevate the motorcycle frame on a suitable floor jack to lower the rear wheel, providing access to fender-support fasteners and wiring.

NOTE

Perform the following procedures one side at a time to maintain fender alignment.

3. Reach under the fender to locate the fender clips securing turn-signal wires to fender. Carefully pull the wires out of the clips then pull them out from under the fender.
4. Remove the cable strap located near the rubber grommet on the upper inside of the rear fender.
5. From an accessible area of each pair of turn-signal wires, remove a 2-inch section of conduit.
6. Near the middle of each 2 inch section removed in previous step, cut the signal wiring.
7. See Figure 1. Remove the lens (5) from the turn-signal housing (1).
8. Remove the bulb (4) from the socket (3).
9. From inside fender, remove bolt (8) and lockwasher (7) securing the rear turn-signal housing and housing mount (6) to the fender support. Discard bolt and lock washer.
10. Gently remove the turn-signal housing and housing mount and completely pull wires through fender support. Discard housing mount.
11. Remove and discard fender-support rear bolt.

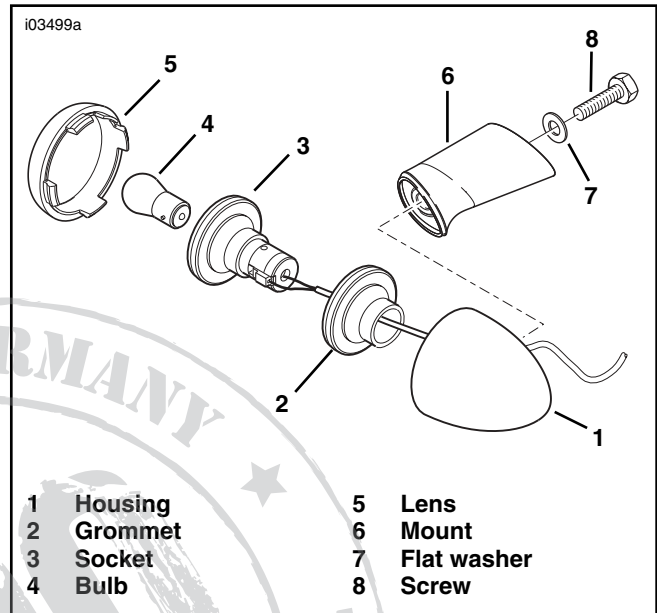


Figure 1. Removing the Stock Turn Signal Housing and Mounting Hardware

NOTE

See the Spacer Usage Chart below and Service Parts Illustration. Use appropriate number of spacers according to presence of Rigid Sideplates and/or Bobtail Racks.

12. Obtain turn signal stalk(1) from kit. Add 0, 1 or 2 spacers (2) as required (from kit) according to the chart. Slide spacer/s over the long end of turn-signal stalk.

Spacer Usage Chart

Number of Spacers

Spacer Usage Chart	Number of Spacers
Saddlebags with Rigid Sideplates or Bobtail Rack	1 spacer
Saddlebags with No Rigid Sideplates and No Bobtail Rack	2 spacers
Saddlebags with Rigid Sideplates and Bobtail Rack	0 spacers

13. Fasten the turn-signal stalk through the rearmost hole in the fender support and into license-plate bracket. Torque turn-signal stalk to 12 – 18 ft-lbs (16 – 24 Nm).
14. Thread jamnut (4), oriented as shown, all the way onto the end of the turn-signal stalk.
15. Route turn-signal wires from turn-signal housing through recess cover (3) and lockwasher (5) then into turn signal stalk (1).
16. Continue routing until wires appear on inside of fender well.

NOTE

Allow the turn-signal socket to hang a few inches outside the turn-signal housing.

17. Screw the turn-signal housing onto the stalk while preventing the turn-signal socket wires from twisting.
18. Align the rear turn-signal housing so the lens, when installed, faces rearward for proper visibility. Torque the jamnut against the housing to 96 in-lbs (11 Nm).
19. While pulling turn-signal wires through fender from the inside, guide the turn-signal socket into the tabs in housing.
20. Install the turn-signal bulb and lens.

Butt-Splice Connections

1. Strip 3/8-inch of insulation from the ends of the two turn-signal wires.
2. See Figure 3. Insert one stripped end of each same-colored turn-signal wire into opposite ends of a butt splice connector. Connect black to black in one connector, and violet/brown to violet/brown in the other connector.
3. Match the color of the butt-splice connector with the color of the crimp cavity on the crimping tool. Use crimping tool HD-38125-8 or equivalent to crimp the wires into the connector.

WARNING

Use extreme caution when operating the UltraTorch UT-100 or any other radiant heating device. Read the manufacturer's instructions carefully before using the tool. Improper tool handling could result in death or serious injury.

- Always keep hands away from tool-tip area and heat-shrink attachment.
 - Avoid directing the heat toward fuel system components. Extreme heat can cause fuel ignition/explosion resulting in death or serious injury.
 - Avoid directing heat toward electrical system components other than the connectors on which heat-shrink work is being performed.
 - Check that the power switch is set to the "OFF" position after use.
4. Use an UltraTorch UT-100 (HD-39969), Robinair Heat Gun (HD-25070) with Heatshrink Attachment (HD-41183), or other suitable radiant heating device to heat-shrink the jacket of the butt-splice connector to the wire. Apply heat from the center of the crimp outward to the crimp ends until the sealant encloses both ends of the connector.
 5. Repeat all previous installation procedures for opposite turn signal on the other side of the motorcycle.

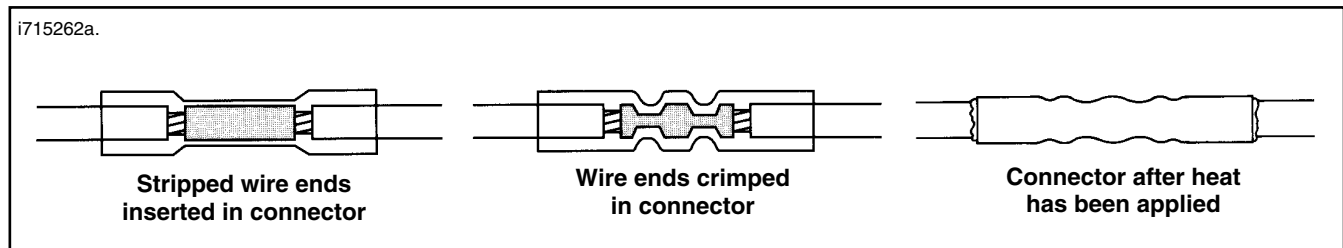


Figure 3. Install Sealed Butt-Splice Connectors

Final Assembly

1. Fasten the wires to the clips inside the fender.

WARNING

Always connect the positive battery cable first. If the positive cable should contact ground with the negative cable installed, the resulting sparks may cause a battery explosion resulting in death or serious injury.

2. Connect negative battery cable.

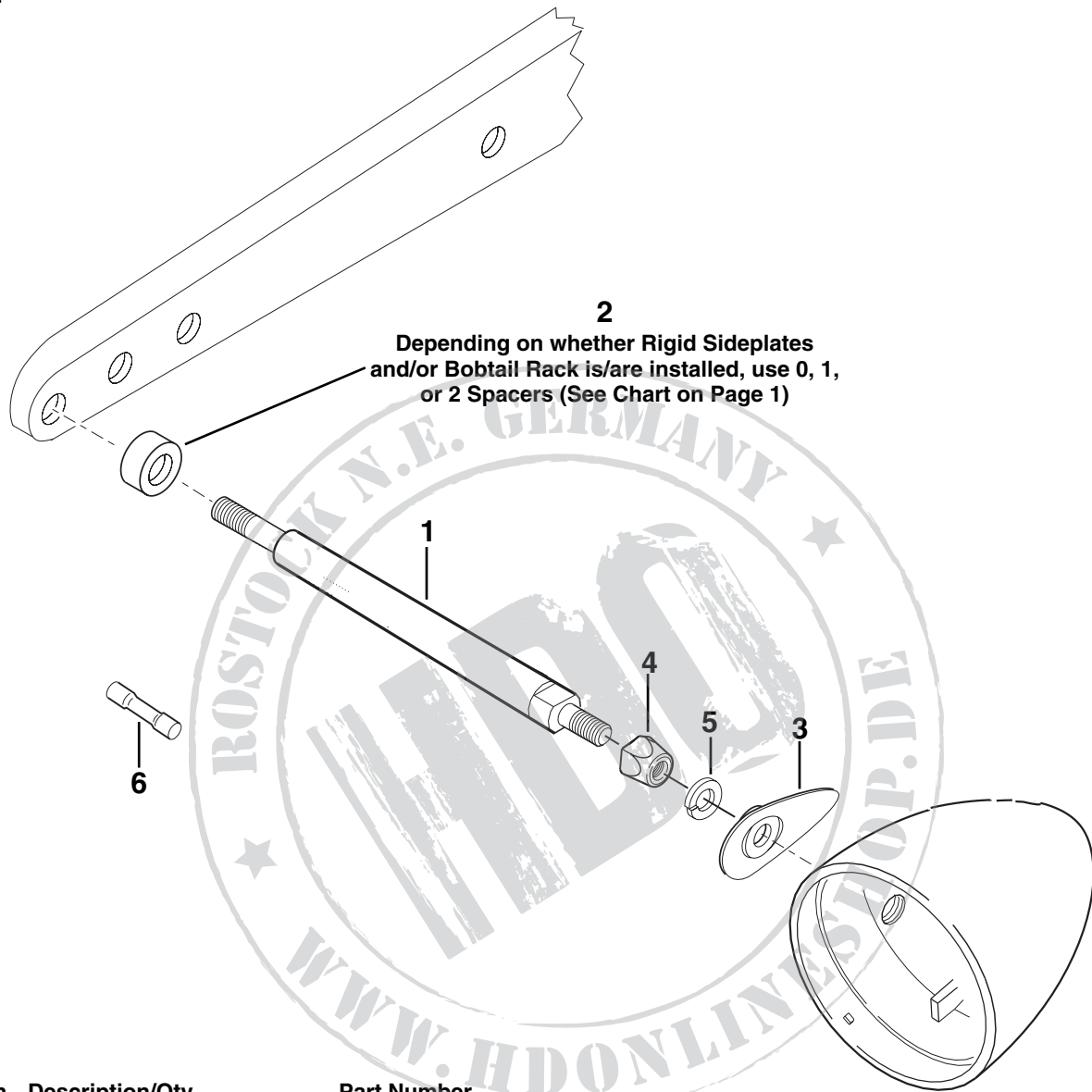
WARNING

Visibility is a major concern for motorcyclists. Check for proper turn-signal operation before riding motorcycle. Failure to have turn signals working properly could result in death or serious injury.

3. Check the turn signals for proper operation.



i04871



2
Depending on whether Rigid Sideplates
and/or Bobtail Rack is/are installed, use 0, 1,
or 2 Spacers (See Chart on Page 1)

Item	Description/Qty	Part Number
1	Stalk, turn signal (2)	53909-02
2	Spacer (4)	5699
3	Cover, turn signal recess (2)	68028-03
4	Jamnut, turn signal stalk (2)	68991-02
5	Lockwasher (2)	7042
6	Connector, pre-ins (red) (4)	70585-93