



# INSTRUCTIONS

-J00272

REV. 11-1-95

Kit Number 53692-96

## DIRECTIONAL RELOCATION KIT

### General

This directional relocation kit fits all FXSTS, FXSTSB, FXSTC, and FLSTF Models.

Each kit contains:

QTY	DESCRIPTION
8	Wire connector
2	Hole plug, rubber
2	Rear directional studs
1	Wire, 18 ga., black, 12 in. long
1	Wire, 18 ga., violet, 12 in. long
2	Conduit, #2, 30 in. long
2	Cable strap
2	Jamnut
2	Washer, nylon
2	Washer, custom
2	Hole plug, chrome
2	Hole plug, chrome
2	Bolt, 3/8-16 x 1-1/4 hex hd
2	Washer, 3/8 X 13/16 X 1/16
2	Washer, 3/8 x 5/8 x 3/64
2	Acorn nut

### Installation



**To avoid accidental start-up of motorcycle, disconnect the battery cables (negative cable first) before performing any of the following procedures. If the positive cable should contact ground with the negative cable installed, the resulting sparks may cause a battery explosion resulting in personal injury.**

#### NOTE

*All 1995 and later models have directional lights with two wires running to the light socket, one being a separate ground wire. In the following instructions, disregard references to two wires if you are working on a pre-1995 model.*

1. Remove seat and disconnect battery cables, negative cable first.

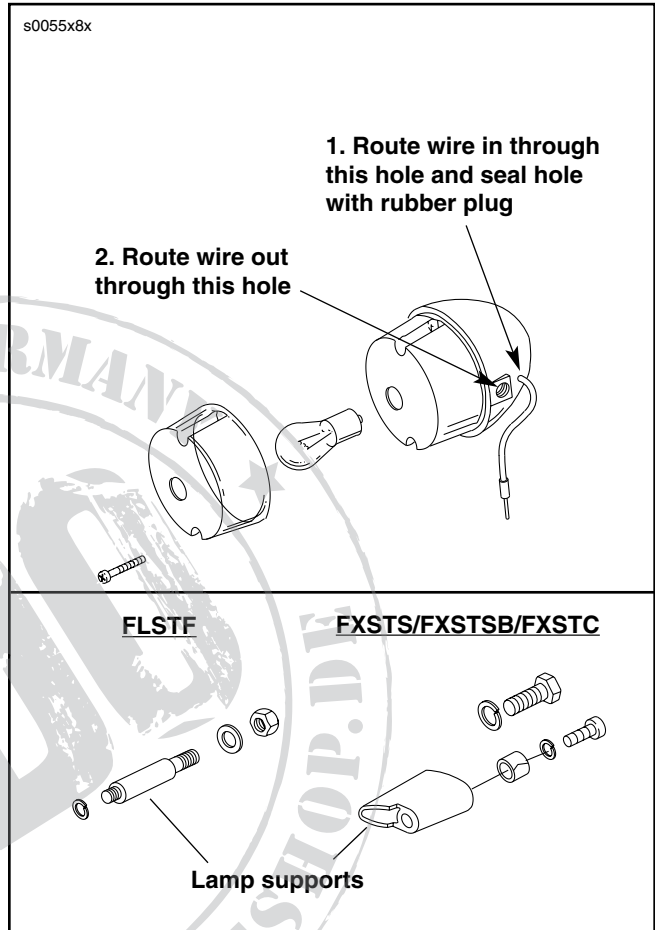


Figure 1. Rear Turn Signal Assembly (turn signal rotated 90° to show harness holes)

- Trace the black and the violet/brown rear turn signal wires from the turn signal lamps, under the fender, to the connector located under the seat. Pull back the plastic conduit and cut the turn signal wires approximately 3 inches from connector.
- Reach under the fender and locate fender clips that hold turn signal wires in place. Carefully pull wires out of clips.
- Pull vinyl conduit off turn signal wires and discard.

- Remove the turn signal lamps and lamp supports from fender support bracket as follows:

**For FLSTF Models:**

- Remove the two Phillips screws and nuts from the rear holes in the fender support brackets and discard.
- See Figure 1. Unscrew the nuts that hold the turn signal lamp supports in place and keep the nuts and lockwashers to reinstall later on the new studs provided in this kit. Remove the lamps and supports and pull the turn signal wires through the fender holes. See "Service Parts" illustration. Install bolts (13), washers (14 and 15), and acorn nuts (16) in holes where turn signals were originally located and torque acorn nuts to 21-27 ft-lbs (28-37 Nm).

**For FXSTS/FXSTSB/FXSTC Models:**

**⚠ CAUTION**

**When removing the sissy bar, if equipped, make sure the sissy bar doesn't contact the fender or the fender paint will be scratched.**

- Remove the sissy bar/sideplate assembly, if equipped.

**⚠ CAUTION**

**Support the fender before removing the fender hardware to prevent scratching the fender paint.**

- See "Service Parts" illustration. Remove the two Phillips screws from the rear holes in the fender support bracket and discard. Remove the four acorn nuts and bolts that mount the fender to the fender support bracket and loosen, but do not remove, the seat grab strap nuts and bolts.
- Being careful not to scratch the fender paint or damage the turn signal wires, gently lift the rear of the fender until the capscrews that hold the turn signal lamp supports in place can be removed. Remove the lamps and supports and pull the turn signal wires through the fender holes.

**For each turn signal in turn, perform steps 6-16:**

- Disassemble turn signal lamp from lamp support. Retain turn signal and discard support. If acorn nuts and bolts were removed in step 5, replace them and tighten to 21-27 ft-lbs (28-37 Nm).
- Remove turn signal lens and bulb.
- See Figure 1 and the "Service Parts" illustration. Pull harness into the turn signal housing then route harness through thin jamnut (8) and back out of housing

through hole in side of housing.

- Place the custom washer (10) on stud (3) so it will engage the fender support bracket.

**NOTE**

*The relocated turn signal is mounted in the rearmost fender support hole, which was previously filled with the large Phillips screw removed in step 5.*

- For FXSTS/FXSTSB/FXSTC Models:** Screw stud (3), with custom washer (10), through fender support bracket hole into the weldnut inside the tail lamp/license plate bracket. **For FLSTF Models:** Insert stud (3) with custom washer (10), through fender support bracket hole and install nut and lockwasher saved from step 5.

Tighten stud to 21-27 ft-lbs (28-37 Nm).

- Place the nylon washer (9) over stud (3).
- Route turn signal wires through stud (3).

**NOTE**

*Conduit provided in kit does not get routed through the turn signal stud.*

- Apply Loctite® 242 (blue) on stud threads. Screw turn signal onto stud until turn signal just makes contact with nylon washer (9). Continue to rotate turn signal only the amount required to orient it to the proper perspective.

**⚠ CAUTION**

**If the turn signal is over tightened, the nylon washer (9) will be damaged and need replacement.**

- Apply Loctite® 242 (blue) on threads of stud (3) inside turn signal. Install jamnut (8) and tighten to 12-15 ft-lbs (16-20 Nm).
- Install rubber hole plug (2) in old turn signal housing harness hole.
- Reinstall turn signal bulb and lens.

**MAKING BUTT SPLICES**

**NOTE**

*Because the turn signals have been relocated to rear of fender brace, you will need to splice an additional length of wire into the black and violet turn signal wires.*

- Cut 12 in. lengths of wire (4 and 5) supplied with kit into two equal pieces, so there are two 6 in. black wires and two 6 in. violet wires. Strip a 3/8 in. section of insulation from both ends of each kit wire.
- Cut 1-3/4 in. off each turn signal black wire running from the lamps, and strip 3/8 in. insulation off all four turn signal wires. The 1-3/4 in. section removed from

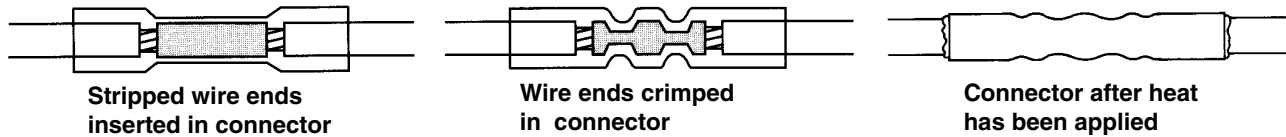


Figure 2. Install Sealed Butt Connectors

the black wire allows the black and violet wires' butt connectors to be staggered. Staggering the butt splices allows the conduit to be pulled over the butt splice connectors.

3. See Figure 2. Insert turn signal kit wires and the wires prepared in step 2 into opposite ends of a butt splice connector (1). Connect black to black and violet to violet/brown.
4. Match the color of the butt splice connector (1) with the color of the crimp cavity of the crimping tool. Using a H-D 38125-8 crimping tool, crimp 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 can result in personal injury.
- Always keep hands away from tool tip area and heat shrink attachment.
- Avoid directing the heat toward any fuel system component. Extreme heat can cause fuel ignition/explosion resulting in personal injury.
- Avoid directing heat toward any electrical system component other than the connectors on which heat shrink work is being performed.
- Be sure to turn the "ON/OFF" switch to the "OFF"

**position after use.**

5. See Figure 2. Using the UltraTorch UT-100 (H-D 39969), Robinair Heat Gun (H-D 25070) with Heatshrink 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 exudes out of both ends of the connector.
6. Slide conduit from kit over turn signal wires running from lamps. The conduit should be 1/2 in. to 1 in. from the end of the shortest wire. Trim the conduit if necessary.
7. Route harness back to where the cut was made under the seat. Place the conduit into the fender clips.
8. Connect the kit wires you have just added to the wires you cut under the seat, using butt splice connectors as described previously. Connect black to black and violet to violet/brown.
9. Secure conduit in place with cable straps (7).
10. Insert chrome plugs (11 or 12) into empty holes remaining in fender support bracket.
11. Connect battery cables, positive cable first, then install seat and check turn signals for proper operation.

**⚠ WARNING**

After installation of seat, pull up on front of seat to make certain that the front of the seat is locked in position. If seat is loose, it could rotate, startle rider, possibly causing loss of control and personal injury.



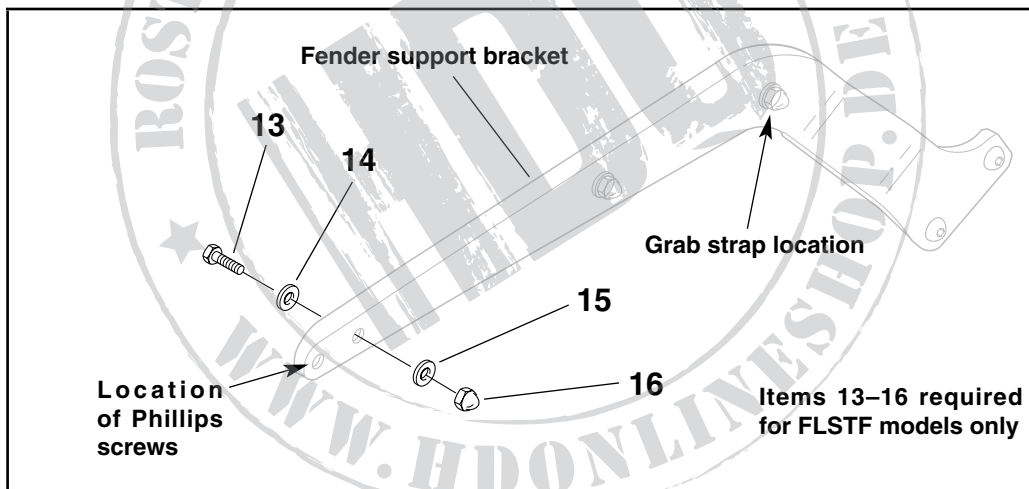
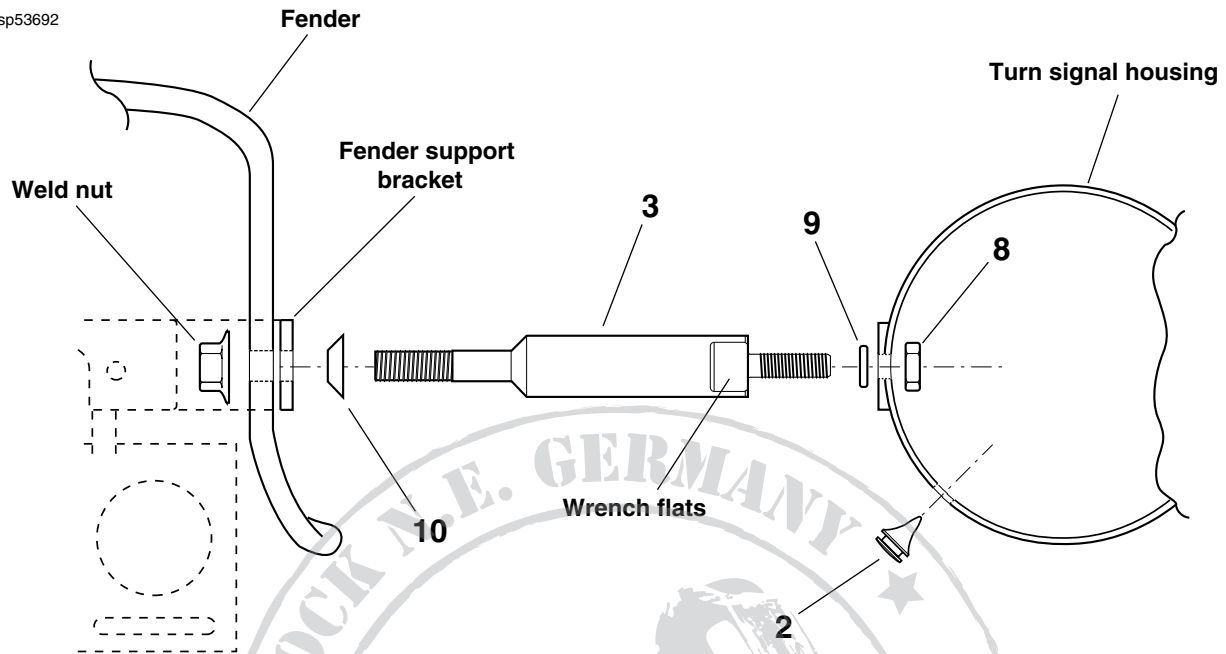
# Service Parts

Part No. 53692-96

Date 11/95

## Directional Relocation Kit

sp53692



ITEM	PART NO.	DESCRIPTION	ITEM	PART NO.	DESCRIPTION
1	70585-93	Butt splice wire connector, 18-22 ga. (8) [not shown]	9	54319-85	Washer, nylon (2)
2	58758-93	Hole plug, rubber (2)	10	90963-95	Washer, custom (2)
3	68500-95	Rear directional studs (2)	11	53699-96	Hole plug, chrome (2) [not shown]
4	not sold separately	Wire, black, 18 ga., 12" long [not shown]	12	53694-96	Hole plug, chrome (2) [not shown]
5	not sold separately	Wire, violet, 18 ga., 12" long [not shown]	13	4716W	Bolt (2) 3/8-16 x 1-1/4 hex hd
6	not sold separately	Conduit, No. 2, 30" long (2) [not shown]	14	6701	Washer (2) 3/8 X 13/16 X 1/16
7	10065	Cable strap (2) [not shown]	15	6379W	Washer (2) 3/8 x 5/8 x 3/64
8	7744	Jamnut (2)	16	7680W	Acorn nut (2)