

## VT No. 31-9986 Directional Set Back Kit

This kit is designed for use on 1984 and later FXST, FXSTC, FXSTS, and 1980-up FXWG model vehicles.

### WARNING

To avoid accidental start-up of vehicle and possible personal injury, disconnect battery cables from battery negative cable first) before performing any of the following procedures.

### Note:

All 1995 and later models have directional lights with separate ground wires, that is, a power and ground wire is connected to the light sockets. In the following instructions, disregard references to two wires if you are working on a pre-1995 model.

The kit includes the following parts

QTY	DESCRIPTION
4	Cable strap
2	Bracket, extension
4	Wire, electrical,violet
4	Wire, electrical,black
1	Conduit, 30 in.
4	Connectors
2	Bolt, 3/8-24 x 1-1/4 in.

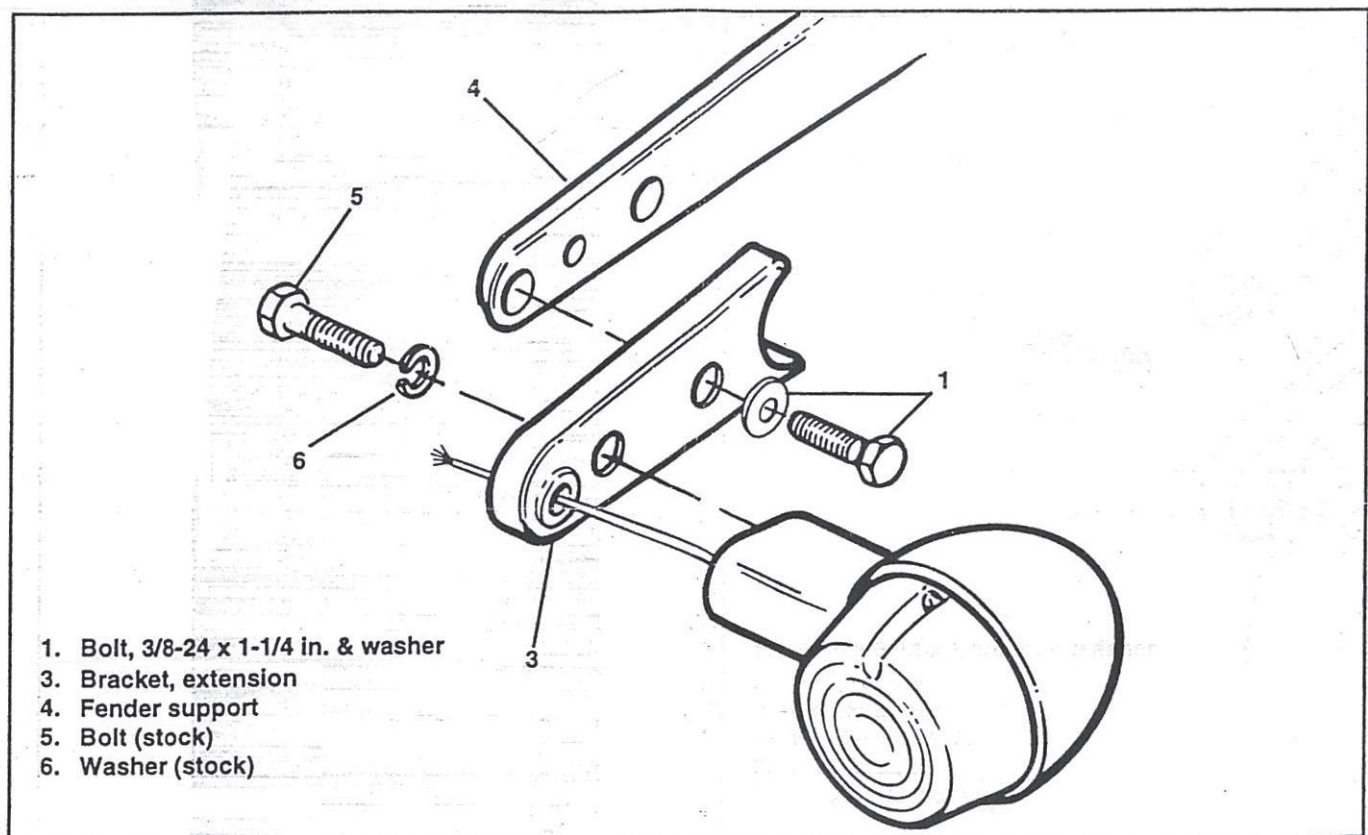


Figure 1. Relocating Directional Light

**Note:**

All 1995 and later models have directional lights with separate ground wires, that is, a power and ground wire is connected to the light sockets. In the following instructions, disregard references to two wires if you are working on a pre-1995 model

1. Remove sissy bar/side plate assembly.
2. Remove seat.

**NOTE:** The following instructions cover moving the left side directional light first. It is recommended that you complete one side before beginning the other.

3. Reach under edge of fender and locate harness connected to left rear directional light.
4. Gently pull harness out of two rear fender clips. Cut harness 1 in. forward of middle fender clip.
5. See Illustration. Remove left fender support (4) and remove directional light from fender support. Retain hardware for use later.
6. See Illustration. Line up first hole (next to large radius) on extension bracket with last hole to rear of fender support. Check for up and down clearance between shoulders on bracket and fender support.
7. See Illustration. Gently pull harness from fender, and route harness through rear hole in extension bracket (3).
8. Attach directional light to set back bracket with original hardware, tighten securely.

**SPLICING DIRECTIONAL LIGHT WIRE(S)**

1. On wires connected to directional light, push conduit toward directional light to expose wire ends. Cut 1-3/4 in. off black wire.
2. Cut 7 inch length of black and violet wire from the wire in the kit.
3. Insert the wires from directional light and the wires prepared in step 2 into opposite ends of the connector. Connect black to black and violet to violet.
4. Cut a 12 inch piece of conduit from conduit supplied with kit and slide the conduit onto the lengthened directional light wires. Slide conduit until stripped ends of wires are exposed.
5. Route wires and conduit through hole in fender from which stock harness was removed. Let directional light hang from harness.
6. Cut 2 1/2 inch off conduit covering directional light wires connected to motorcycle. Cut 1 3/4 inch off violet wire.
7. Connect the wires added in step 2 to the wires stripped in step 8. Connect black to black and violet to violet.
8. Pull conduit installed in step 6 forward so all wiring and splices are covered. Secure larger conduit to original conduit with cable straps.

**Installing Fender Support**

1. Loosely install the two front fender support bolts.
2. See Figure 1. Hold the extension bracket (3) and directional light in position and tuck wiring into fender support between bosses and lower edge.

**Note:** On solid fender supports route wire on bottom of fender support.

3. Install bolt (1) and washer from kit to secure bracket extension to fender support.
- Caution:** Be very careful not to pinch the wires as you tighten the fender support fasteners.

4. Install all fender support fasteners, but don't tighten now.
5. Reach under fender and pull harness forward to remove any slack. Place harness in fender clips, starting at rear and working forward.
6. Pull any excess or slack wiring forward to a location under the seat and attach it to frame with cable straps.
7. Tighten all fasteners securing fender support to motorcycle.

**RELOCATING RIGHT DIRECTIONAL LIGHT**

**CAUTION:** Be certain you cut and modify the directional light harness, not the tail lamp harness.

**FINAL CHECK**

1. Connect battery, negative cable last and check that directional lights operate properly.
2. Reinstall seat and sissy bar/side plate assembly.