



INSTRUCTIONS

-J01328

REV. 5-31-01

Kit Number 72389-96

TURN SIGNAL WIRING KIT

General

This kit installs on XL, FXD, and FXR models equipped with front turn-signal lights mounted on the upper fork bracket. This kit provides wiring, connectors, and instructions to relocate the turn signals from the upper fork bracket to the lower fork bracket.

Kit contents:

DESCRIPTION	PART NO.
Cable strap (4)	10006
Wire, 2-conductor polarized	32695-87
Heat-shrink conduit (14)	67113-83
Vinyl wire harness, 5/16-in. ID	70510-95
Wire insulator, 18 ga. violet	70511-95
Wire insulator, 18 ga. blue	70512-95
Wire insulator, 18 ga. black	70513-95
Connector (13)	70581-73

NOTE

Front turn-signal wiring varies from two wires to three wires across models. Determine how many wires are connected to the front turn signal lights and go to the appropriate section of this instruction sheet.

WARNING

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

WARNING

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

Installation

RELOCATING TWO-WIRE TURN-SIGNAL LIGHTS

1. Support the motorcycle on a center stand to raise the front wheel slightly off the ground.
2. Remove fork tube pinch screw from right side of lower bracket.
3. Cut one turn-signal wire 1-1/4 in. from the turn-signal light, and cut the other wire- 2-1/4 in. from the turn-signal light.

NOTE

Cut the two wires to different lengths to stagger the butt connectors and provide room to fit the wires in the conduit.

4. Remove the fork-tube pinch screw from the right side of the upper fork bracket. This screw secures the right turn-signal light.
5. Install the right turn-signal light on right side of the lower fork bracket using the pinch screw removed in step 4. Install the pinch screw removed in step 2 into right side of the upper bracket. Tighten both pinch screws to 30-35 ft-lbs (40.7-47.5 Nm) torque.
6. Repeat steps 1 through 5 in this procedure to relocate the left turn-signal light.

NOTE

Fork tubes may slide downward within the fork brackets. If this occurs, adjust the front fork tube extension above the front fork upper bracket according to appropriate Service Manual procedures.

7. Strip 5/16 in. insulation from the wires cut in step 3.
8. Crimp the butt connectors from the kit onto the stripped wires.
9. Split one end of the two-conductor polarized wire from the kit back about 2 in. and strip 5/16 in. of insulation from the wire ends.
10. Slide a piece of shrink tubing from the kit over each of the wire ends stripped in step 9 and crimp the wires into the butt connectors installed in step 8. The silver and copper colored wires must be connected to like-colored wires.

NOTE

Polarized wire ensures correct wiring. One bare wire is silver, one is copper colored. Bare-wire colors of each wire must match the bare-wire color to which each splice is connected.

11. Cut the polarized wires to the length required for the connection to the wires at the relocated turn-signal light. Leave enough slack in the wires to allow routing the harness along the fork tube.
12. Cut 8 in. of 5/16-in. ID conduit from the conduit supplied with the kit.
13. Slide the 8-in. length of conduit onto the wires connected in step 10 and over the existing conduit.
14. Split the remaining end of the two-conductor polarized wire from the kit back about 2 in. and strip 5/16 in. of insulation from the wire ends.
15. Slide a piece of shrink tubing from the kit over each of the wire ends stripped in step 14.

16. Strip 5/16 in. of insulation from the wires connected to the turn-signal light and connect the like-colored wires at the turn-signal light with the butt connectors from the kit.
17. Slide heat shrink tubing over the connectors installed in steps 10 and 14. Activate the shrink tubing with a heat gun or hair dryer.
18. Slide the 5/16-in conduit, installed in step 14, over all new connections and as close to the turn-signal light as possible.
19. Position the conduit along the fork tube and secure the harness with cable straps.
20. Repeat steps 7 through 19 in this procedure to connect the left turn-signal light.

⚠ 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 which could result in death or serious injury.

21. Connect the battery cables, positive cable first.
22. Test the operation of the turn signals. If the lights malfunction, check that the wire splices are correctly connected.

⚠ WARNING

Check for proper turn-signal and brake-light operation before riding the motorcycle. Visibility is a major concern for motorcyclists. Failure to have proper turn-signal and/or brake-light operation could result in death or serious injury.

23. Install the windshield. Refer to the appropriate kit's instruction sheet.

RELOCATING THREE-WIRE TURN-SIGNAL LIGHTS

1. Support the motorcycle on a center stand to raise the front wheel slightly off the ground.
2. Remove the fork-tube pinch screw from the right side of the lower bracket.
3. Carefully cut off 4 in. of conduit covering the wires connected to right turn-signal light.
4. Cut the turn-signal wires to the following lengths:
 - Blue wire- 1-1/4 in. from the turn-signal light
 - Violet wire- 2-1/4 in. from turn-signal light
 - Black wire- 3-1/4 in. from turn-signal light

NOTE

Cut the wires to different lengths to stagger the butt connectors and provide room to fit the wires in the conduit.

5. Strip 5/16 in. of insulation from the cut ends of the three wires cut in step 4.
6. Remove fork-tube pinch screw from the right side of the upper fork bracket. This screw secures the right turn-signal light.

7. Install right turn-signal light on right side of lower fork bracket using pinch screw removed in step 6. Install pinch screw removed in step 2 into right side of upper bracket. Tighten both pinch screws to 30-35 ft-lbs torque.
8. Repeat steps 1 through 7 in this procedure to relocate the left turn-signal light.

NOTE

Fork tubes may slide downward within fork brackets. If this occurs, front fork tube extension above front fork upper bracket will have to be readjusted according to appropriate Service Manual procedures.

9. Crimp the butt connectors from the kit onto the three wires connected to the turn-signal lights.
10. Cut a 6-in. length of wire from the black, blue, and violet wires in the kit.
11. Strip 5/16 in. of insulation from one end of each of the 6-in. wires.
12. Crimp like-colored wires into the butt connectors installed in step 9.
13. Slide heat-shrink tubing from the kit over the crimped terminals. Activate the shrink tubing with a heat gun or hair dryer.
14. Cut 8 in. of 5/16-in. ID conduit from the conduit supplied with the kit.
15. Slide the 8-in. length of conduit onto each of the three wires connected in step 11 and over the existing conduit.
16. Cut the three spliced-on wires to the lengths required to connect to the wires connected to the turn-signal light. Leave enough slack to allow routing the harness along the fork tube.
17. Slide the heat-shrink tubes over the three wire ends.
18. Strip 5/16 in. of insulation from the remaining wire ends and connect like-colored wires from the turn-signal light with connectors from the kit.
19. Slide heat shrink tubing over connectors and activate the shrink tubing with a heat gun or hair dryer.
20. Slide the 5/16-in conduit, installed in step 14, over all new connections and as close to the turn-signal light as possible.
21. Install a cable strap on the 5/16-in. conduit, next to the turn-signal light, to secure the conduit in position.
22. Position the conduit along the fork tube and secure with cable straps.
23. Repeat steps 9 through 22 in this procedure to connect left turn-signal light.

⚠ 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 which could result in death or serious injury.

24. Connect the battery cables, positive cable first.

25. Test the operation of the turn signals and running lights. If the lights malfunction, check that the wire splices are correctly connected.

26. Install the windshield. Refer to the appropriate instruction sheet for the windshield kit.

 **WARNING**

Check for proper turn-signal and brake-light operation before riding the motorcycle. Visibility is a major concern for motorcyclists. Failure to have proper turn-signal and/or brake-light operation could result in death or serious injury.