



# INSTRUCTIONS

-J00886

REV. 9-12-97

Kit Numbers 67037-95B, 67037-96B, 67041-95B, 67289-95B,  
67290-95B, 67292-95B, and 67292-96B

## REPLACEMENT SPEEDOMETER KIT

### General

These speedometer replacement kits are for XL883 models with the following calibrations:

Kit number	Year and Calibration
67037-95B	1995 XL883, Domestic (Mile)
67037-96B	1996-1997 XL883 Domestic (Mile)
67041-95B	1995-1997 XL883 HDI (Kilo)
67289-95B	1995 XL883 Japan/Canada (Kilo)
67290-95B	1995-1997 Great Britain (Dual)
67292-95B	1995 XL883 Swiss (Kilo)
67292-96B	1996 XL883 Swiss (Kilo)

### Kit contents:

- 1 Speedometer
- 1 Speedometer harness kit, containing:
  - 8 Heat-sealed butt splice connectors
  - 1 Speedometer sensor wire harness
  - 1 Speedometer wire harness

### NOTE

A speedometer sensor harness is included in this kit to serve as a replacement if the existing sensor harness is damaged or worn. If you wish to install this replacement harness, it should be installed before beginning speedometer installation.

### Speedometer Sensor Harness Installation

(only required if harness is damaged or worn)

1. Disconnect 3-place speed sensor connector (W, R, and BK wires) located on frame underneath seat.
2. Follow sensor harness up to speedometer while cutting cable straps that hold sensor harness to main wire harness. Leave old sensor harness attached to speedometer until **Speedometer Installation**.
3. Connect new sensor harness to connector on frame underneath seat, then route new harness along the same path as the one just removed. Replace cable straps cut in step 2. When old harness wires are cut in step 3 of **Speedometer Installation**, simply discard old harness.

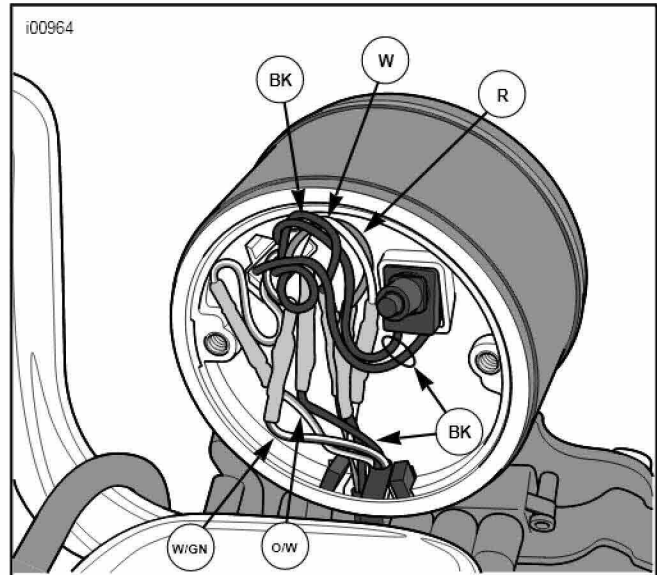


Figure 1. Splicing Replacement Speedometer Wires

### Speedometer Installation

1. Remove GN/R and BK/Y wires from speedometer harness included in kit. These wires are not necessary for installing this speedometer on XL883 models. The GN/R wire is in cavity 3 of the 12-place connector, and the BK/Y wire is in cavity 4.
2. Remove trip odometer reset boot from back of cover of existing speedometer. Remove screws that hold back cover in place and remove cover.
3. Cut wires leading to existing speedometer approximately 1 inch from where the wires enter the back of the existing speedometer. Loosen back gasket and push speedometer through front of housing toward rear of motorcycle. Remove gasket from speedometer.
4. Take speedometer harness and cut the remaining six wires coming from the 12-place connector (**be sure not to cut the two black wires going to the trip reset switch**) approximately 3 inches from connector.

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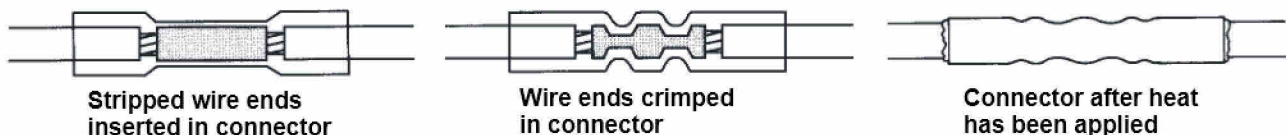


Figure 2. Install Sealed Butt Connectors

5. Install gasket on new speedometer. Slide speedometer into housing and press firmly until fully seated.
6. See Figure 1. Place speedometer into housing.
7. Splice speedometer harness wires to wires cut in step 3 using the following splicing procedure:
  - a. Strip a 3/8 in. section of insulation from both ends of each wire end to be spliced.
  - b. See Figure 2. Insert wires prepared in step a. into opposite ends of a butt splice connector.
  - c. Match the color of the butt splice connector with the color of the crimp cavity of the crimping tool. Using a H-D 38125-8 crimping tool, crimp wires into the connector.
- e. 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.

**⚠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.
- 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.

**⚠CAUTION**

**Be careful not to pinch wires when installing back cover on replacement speedometer.**

8. See Figure 1. Position reset switch in squared boss on speedometer cover. Neatly tuck wire splices under back cover (spread splices so no binding occurs and splices don't press on back cover), align cover, and install back cover screws. Replace rubber boot on reset switch.
9. Check speedometer for proper operation.