

## REMOVAL

### NOTE

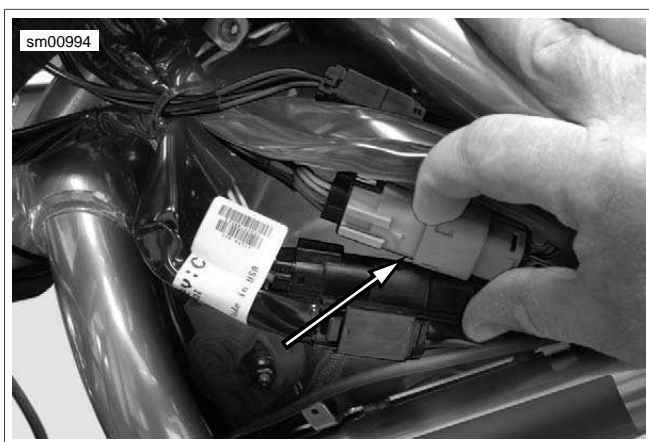
The removal and installation steps listed apply when replacing a switch housing and its wire harness. Replacing a switch housing alone, repairing a switch housing, or replacing handlebars will not require removal of the wire harness to the switch housing.

1. Remove maxi-fuse. See [8.4 MAXI-FUSE](#).
2. See [Figure 8-49](#). If removing the switch housing and wire harness, remove the left side cover and locate the right switch housing connector [22].
3. Depress the latch on the socket housing and separate the switch housing connector halves.
4. Remove secondary locking wedge and depress terminal latches inside socket housing to remove socket terminals and wires.

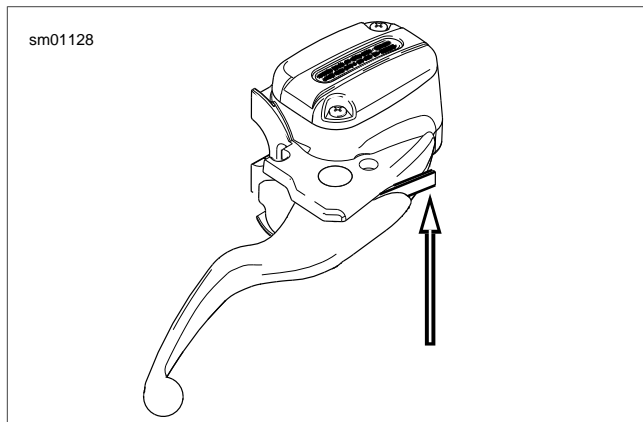
### CAUTION

**Do not remove or install the master cylinder assembly without first positioning a 5/32-inch (4 mm) thick insert between the brake lever and lever bracket. Removing or installing the master cylinder assembly without the insert in place may result in damage to the rubber boot and plunger on the front stoplight switch. (00324a)**

5. See [Figure 8-50](#). Place the cardboard insert between the brake lever and lever bracket.
6. Using a T27 TORX drive head, remove the two screws with flat washers securing the handlebar clamp to the master cylinder housing. Remove the brake lever/master cylinder assembly and clamp from the handlebar.
7. Using a T25 TORX drive head, remove the upper and lower switch housing screws.



**Figure 8-49. Right Switch Housing Connector [22] (typical)**



**Figure 8-50. Install 4 mm (5/32 in.) Thick Cardboard Insert**

8. To remove the housing with the wire harness, wrap switch housing wires to wire lead and pull wires through opening in upper fork clamp. Leave wire lead in fork clamp.
9. Remove the friction shoe from the end of the tension adjuster screw.

### NOTE

The friction screw is a loose fit and may fall out or become dislodged if the lower switch housing is turned upside down or shaken.

10. Remove the brass ferrules from the notches on the inboard side of the throttle control grip. Remove the ferrules from the cable end fittings.
11. Remove the throttle control grip from the end of the handlebar.
12. Pull the crimped inserts at the end of the throttle and idle control cable housings from the lower switch housing. For best results, use a rocking motion while pulling. Place a drop of light oil on the retaining rings, if necessary. Remove the cables from the switch housing.
13. Pull the wire harness through the handlebar clips and remove the housing and wire harness.

## INSTALLATION

1. Thread the loose ends of the wire harness through the handlebar clips. Wrap the free ends of the wire harness to the wire lead and pull through the opening in the upper fork clamp.
2. Route wire harness around steering head.
3. Crimp socket terminals on ends of wire and push through connector wire seal and into socket housing.
4. Install internal seal and locking wedge.
5. Mate connector [22] halves.
6. Assemble the switch housing. With the concave side facing upward, install the friction shoe so that the pin hole is over the point of the adjuster screw.