

## 8. Steering Satellite Switch

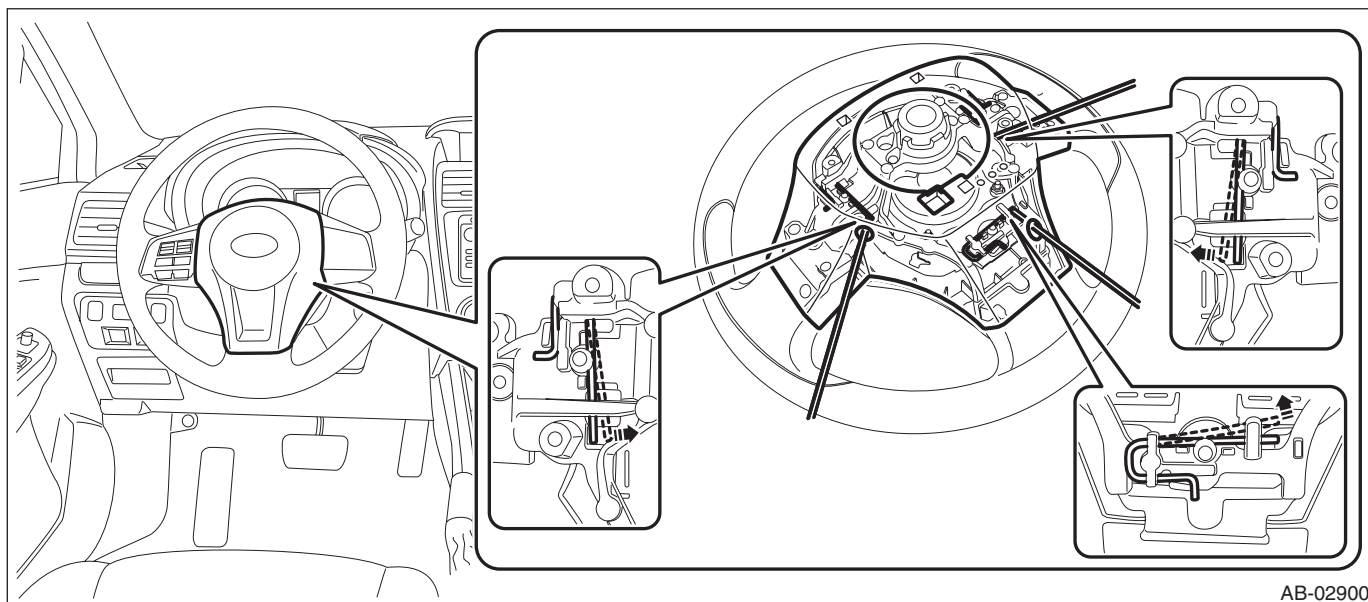
### A: REMOVAL

- 1) Position the front wheels straight ahead. (After moving a vehicle 5 m (16 ft) or more with front wheels positioned straight ahead, make sure that the vehicle moves straight ahead.)
- 2) Turn the ignition switch to OFF.
- 3) Disconnect the ground cable from battery and wait for at least 60 seconds before starting work.
- 4) Remove the driver's airbag module.

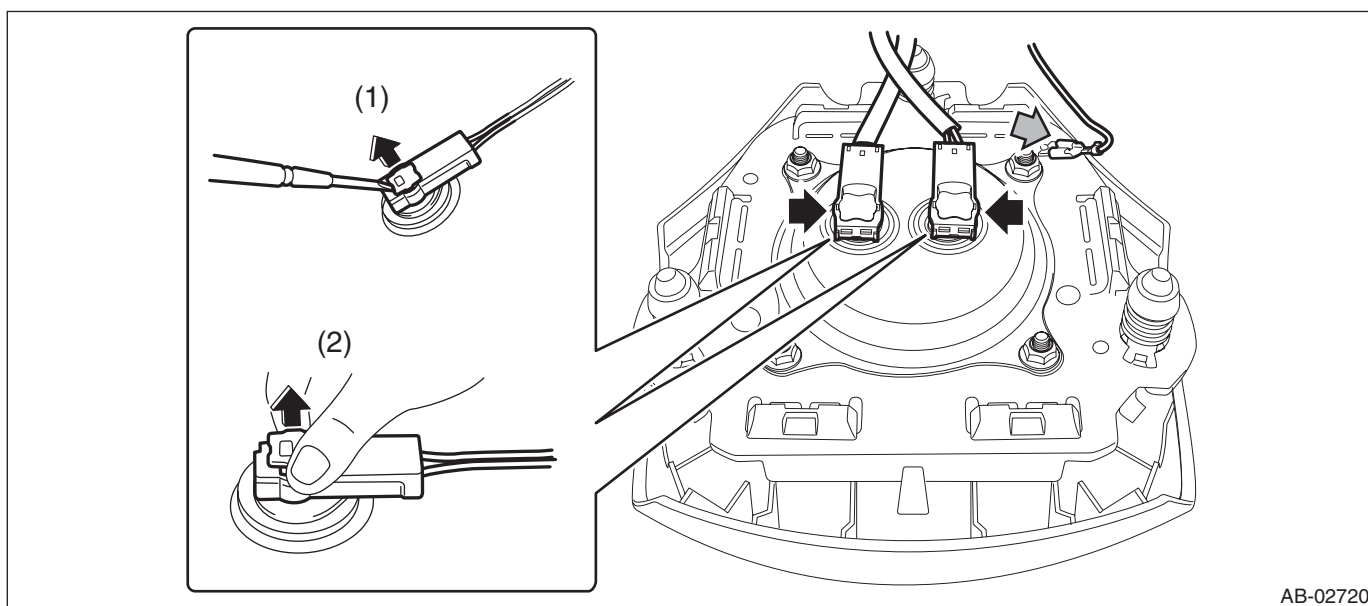
#### CAUTION:

Before handling the airbag module, refer to "CAUTION" of "General Description" in "AIRBAG SYSTEM". <Ref. to AB-11, CAUTION, General Description.>

- (1) Using a hexagon wrench etc. wrapped by protective tape, insert the snap pins and release the locks (3 locations).



- (2) Disconnect the horn harness and airbag connector, and remove the driver's airbag module. <Ref. to AB-20, PROCEDURE, Airbag Connector.>



# Steering Satellite Switch

## ENTERTAINMENT

5) Remove the steering wheel.

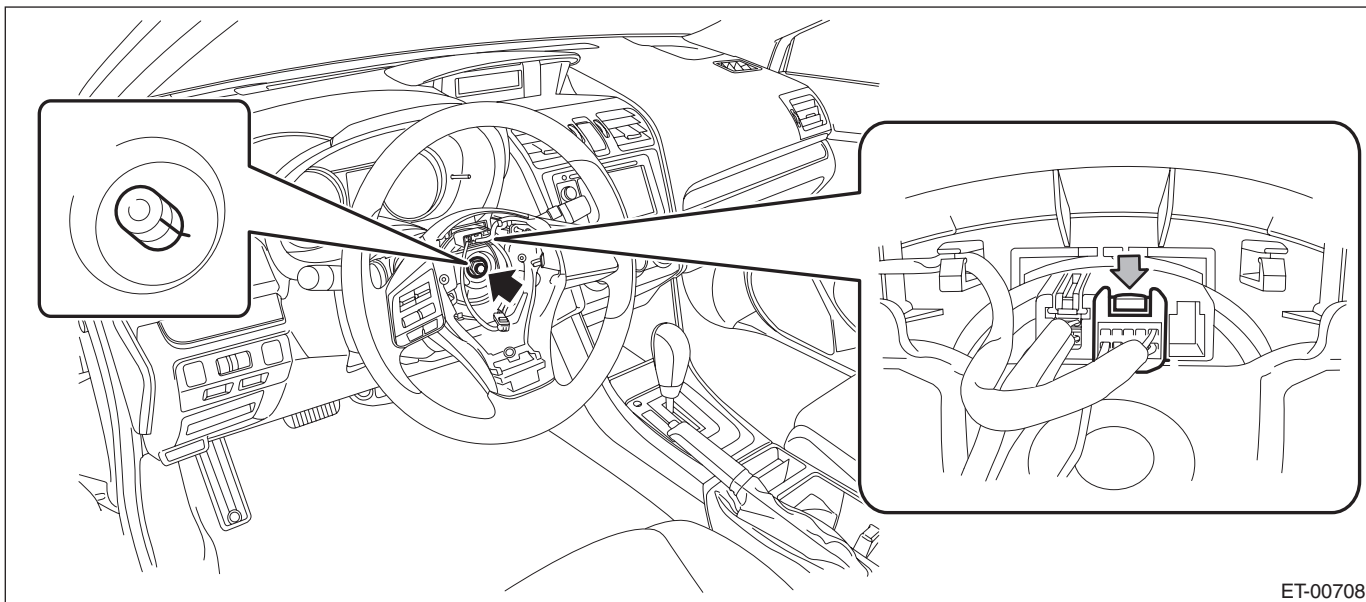
### CAUTION:

- Always use the steering wheel puller for removal to avoid deforming the steering wheel.
- If the steering wheel has been removed, make sure that the roll connector is not turned from the original position.

- (1) Disconnect the connector and remove the nut.
- (2) Put alignment marks and remove the steering wheel.

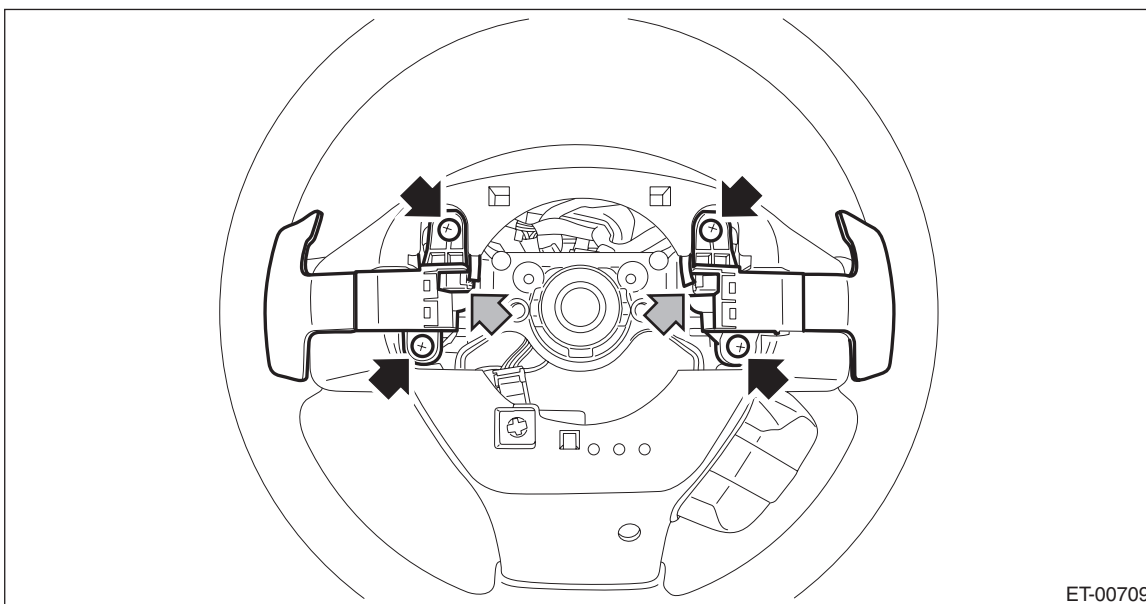
### Preparation tool:

*Steering wheel puller*



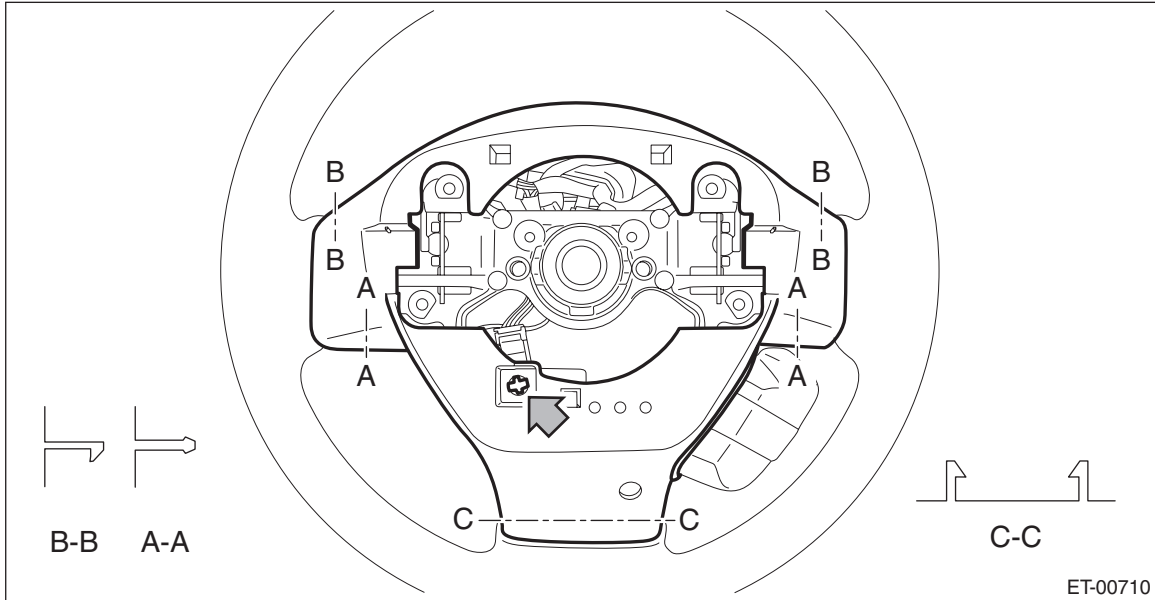
6) Remove the satellite switch assembly.

- (1) Remove the screw, disconnect the connector and remove the paddle shift switch. (Model with paddle shift)

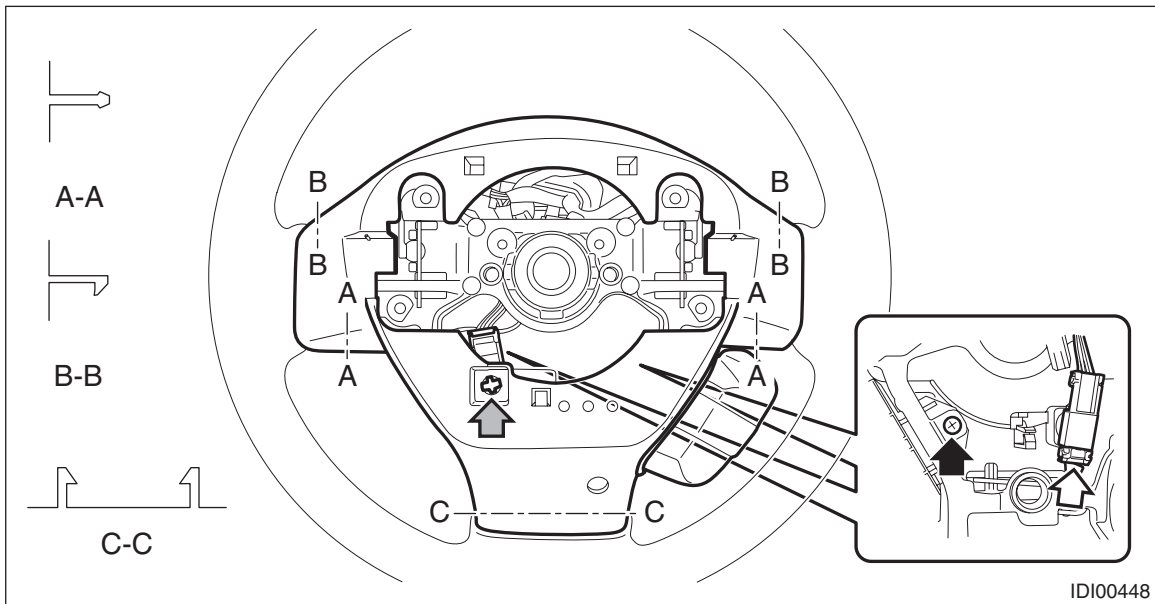


# Steering Satellite Switch

(2) Release the claws and clips, detach the cover - steering wheel LWR.



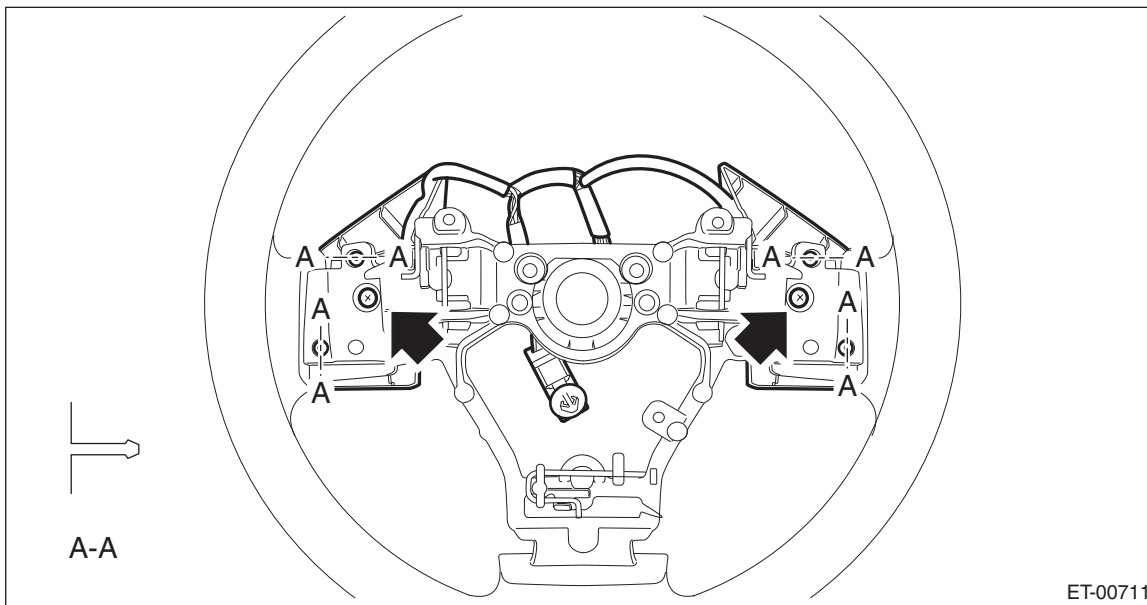
**NOTE:**  
For model with steering switch, remove the connector and screw.



# Steering Satellite Switch

ENTERTAINMENT

(3) Remove the screws and then remove the satellite switch assembly.



## B: INSTALLATION

### CAUTION:

- Before handling the airbag module, refer to “CAUTION” of “General Description” in “AIRBAG SYSTEM”. <Ref. to AB-11, CAUTION, General Description.>
  - Do not allow harness and connectors to interfere or get tangled up with other parts.
  - If the steering wheel and steering angle sensor (steering roll connector) are removed, perform “VDC sensor midpoint setting mode” of the VDC. <Ref. to VDC-19, VDC SENSOR MIDPOINT SETTING MODE, ADJUSTMENT, VDC Control Module and Hydraulic Control Unit (VDCCM&H/U).>
- 1) Before installing steering wheel, be sure to adjust the direction of steering roll connector with steering wheel. <Ref. to AB-109, ADJUSTMENT, Roll Connector.>
  - 2) Install each part in the reverse order of removal.

### NOTE:

Align the alignment marks on the steering wheel and the column assembly - steering.

### Tightening torque:

**Steering wheel: 39 N·m (4.0 kgf·m, 28.8 ft·lb)**

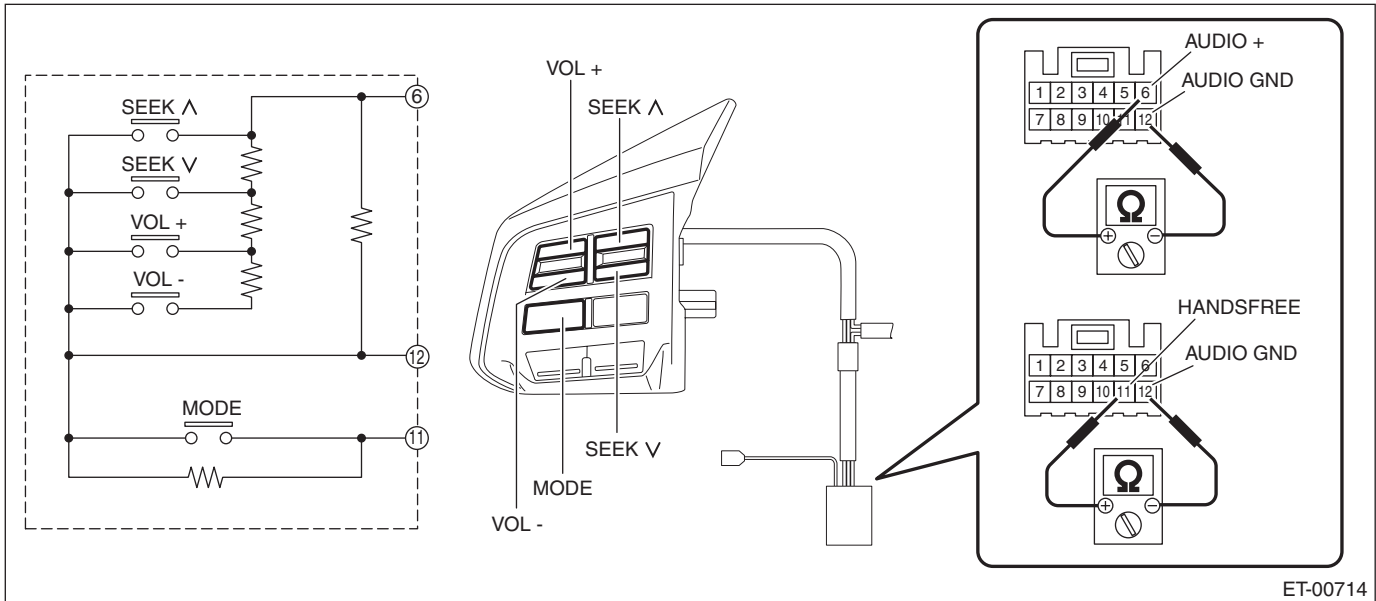
### Clearance:

**Between cover assembly - column and steering wheel: 4 — 6 mm (0.16 — 0.24 in)**

## C: INSPECTION

1) Measure the resistance between connector terminals of the satellite switch.

- Audio operation

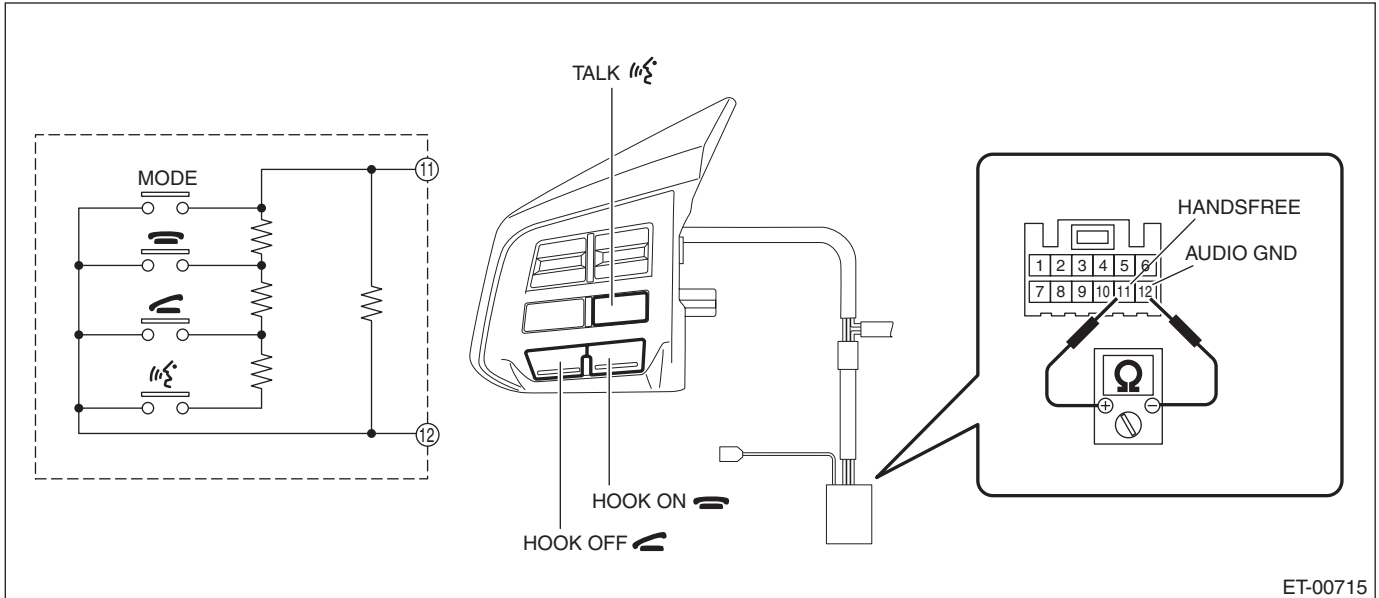


| Switch                                     | Switch operation | Terminal No. | Standard              |
|--|------------------|--------------|-----------------------|
| VOL (+)<br>VOL (-)<br>SEEK (Δ)<br>SEEK (∇) | All OFF          | 6 and 12     | Approx. 100 kΩ        |
| MODE                                       | OFF              | 11 and 12    | Approx. 100 kΩ        |
| VOL (+)                                    | ON               | 6 and 12     | Approx. 1,010 Ω       |
| VOL (-)                                    | ON               | 6 and 12     | Approx. 3,210 Ω       |
| Preset CH UP/SEEK (Δ)                      | ON               | 6 and 12     | Approx. less than 1 Ω |
| Preset CH DOWN/SEEK (∇)                    | ON               | 6 and 12     | Approx. 330 Ω         |
| MODE                                       | ON               | 11 and 12    | Approx. less than 1 Ω |

# Steering Satellite Switch

## ENTERTAINMENT

- Handsfree operation



ET-00715

| Switch                      | Switch operation | Terminal No. | Standard               |
|-----------------------------|------------------|--------------|------------------------|
| HOOK ON<br>HOOK OFF<br>TALK | All OFF          | 11 and 12    | Approx. 100 k $\Omega$ |
| HOOK ON                     | ON               | 11 and 12    | Approx. 330 $\Omega$   |
| HOOK OFF                    | ON               | 11 and 12    | Approx. 1,010 $\Omega$ |
| TALK                        | ON               | 11 and 12    | Approx. 3,210 $\Omega$ |

2) If the result of the measurement is not at the standard, replace the satellite switch assembly.