

## 8. Steering Satellite Switch

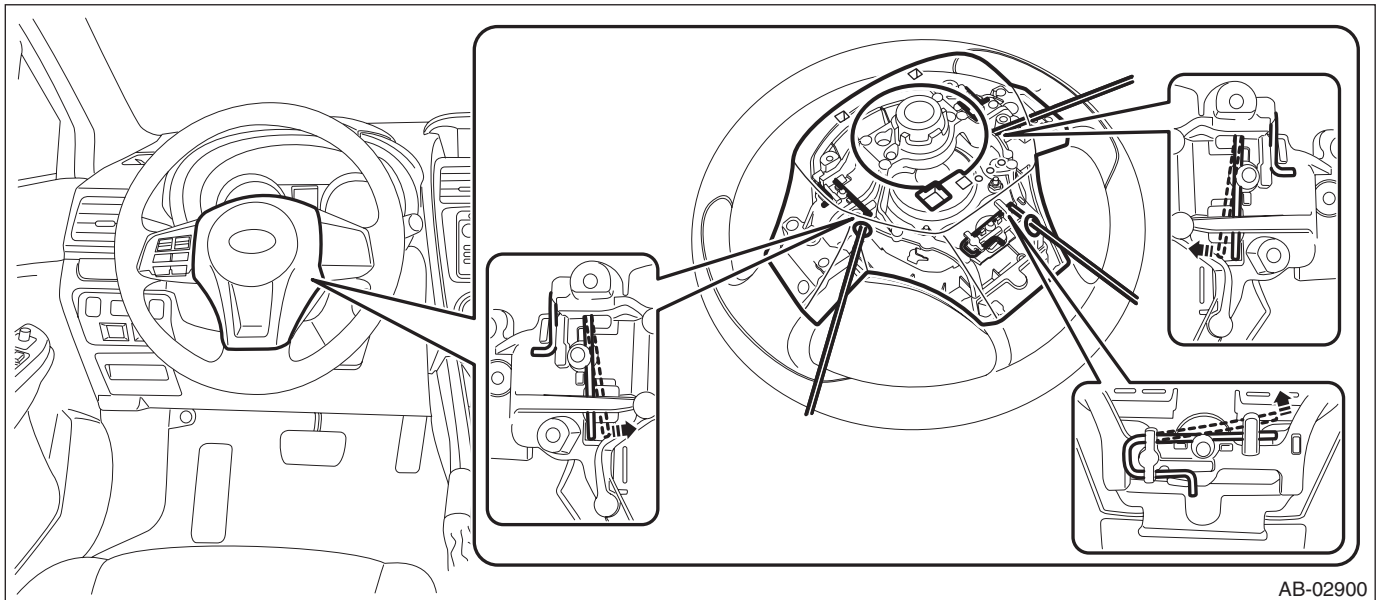
### A: REMOVAL

- 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.

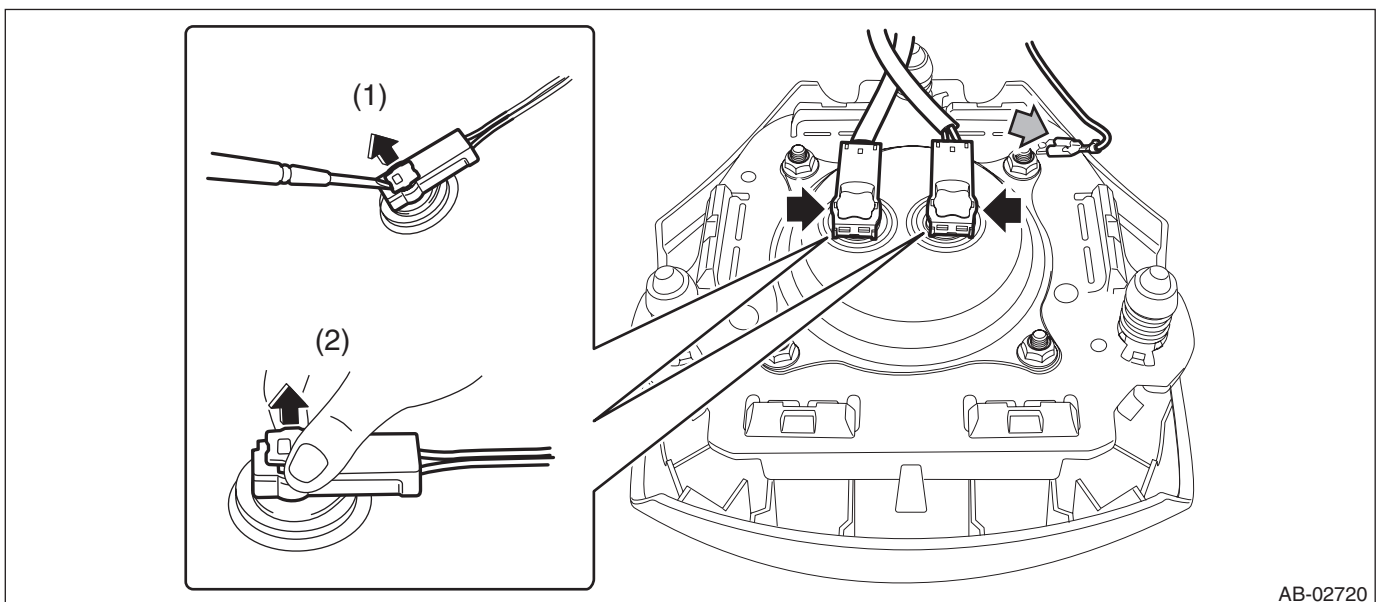
#### CAUTION:

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.

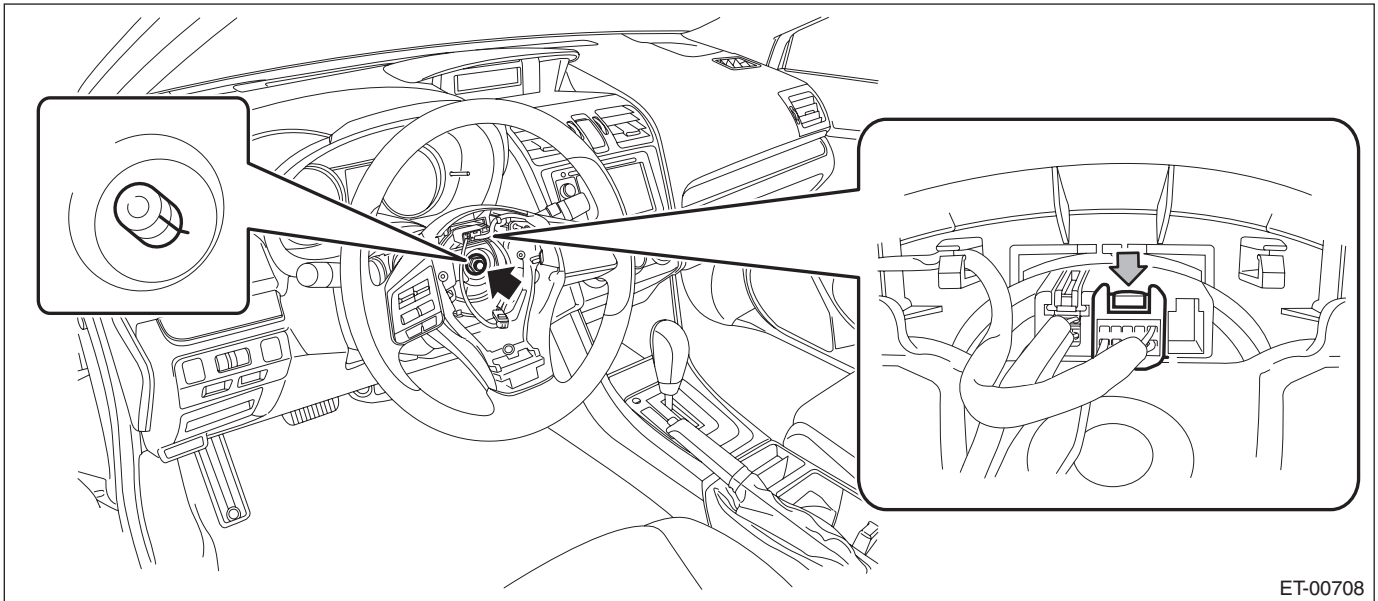
#### CAUTION:

- 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.

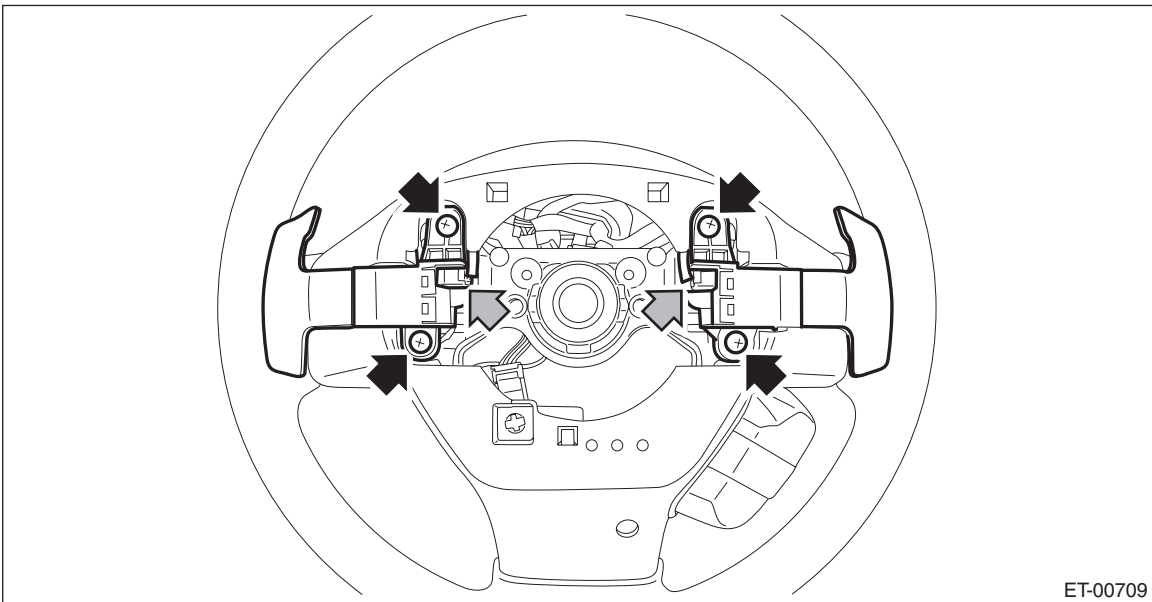
#### Preparation tool:

**Steering wheel puller**

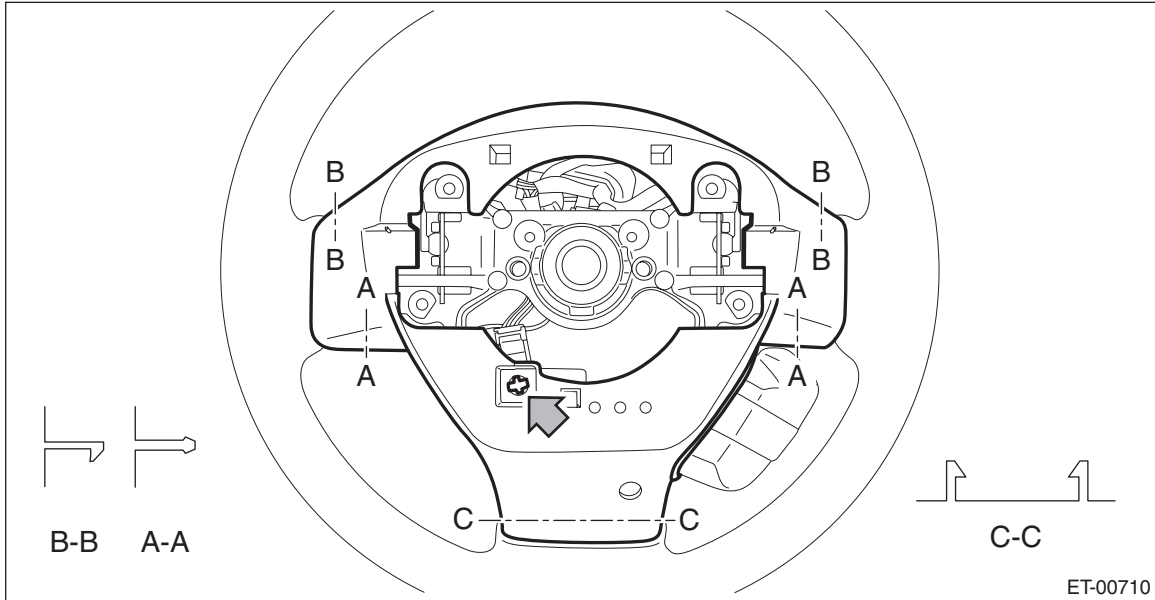


6) Remove the satellite switch assembly.

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

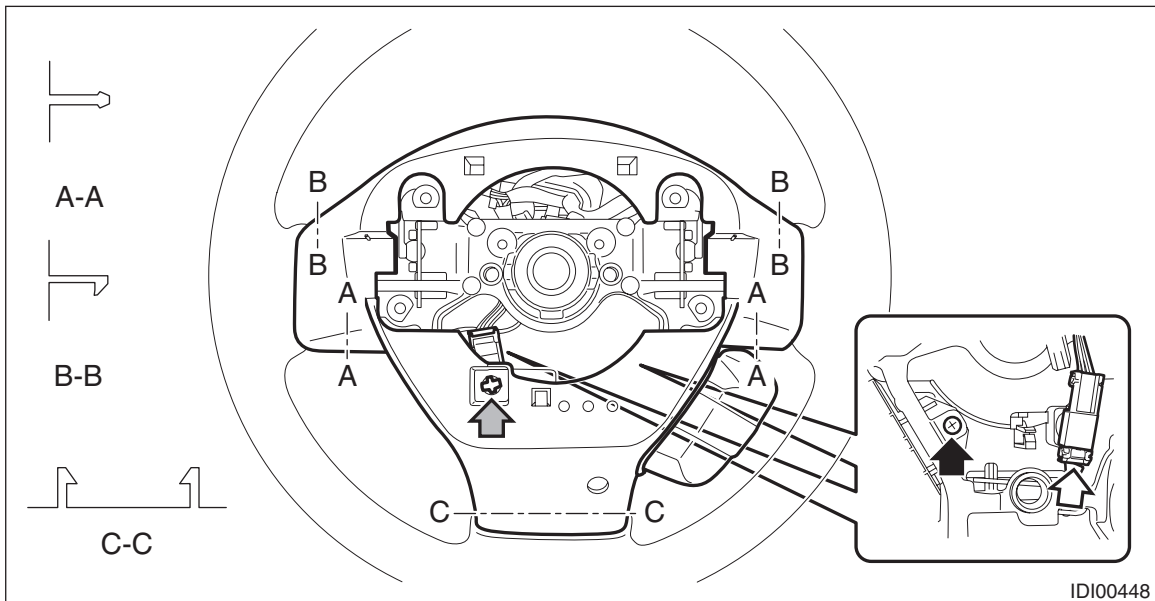


(2) Release the claws and clips, detach the cover - steering wheel LWR.



**NOTE:**

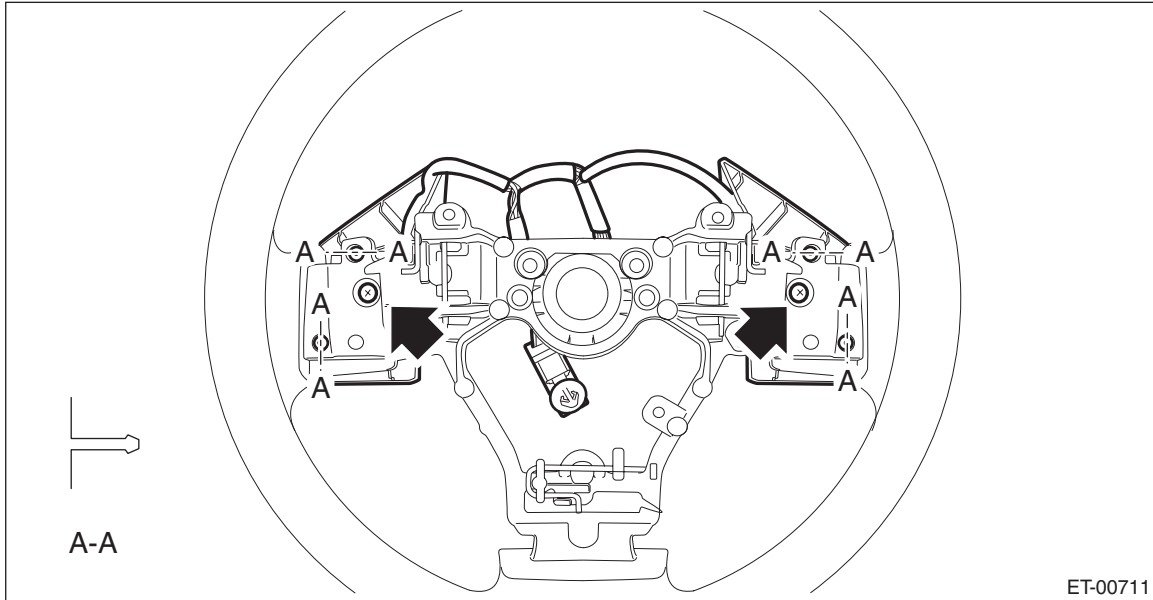
For model with steering switch, remove the connector and screw.



# 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)**

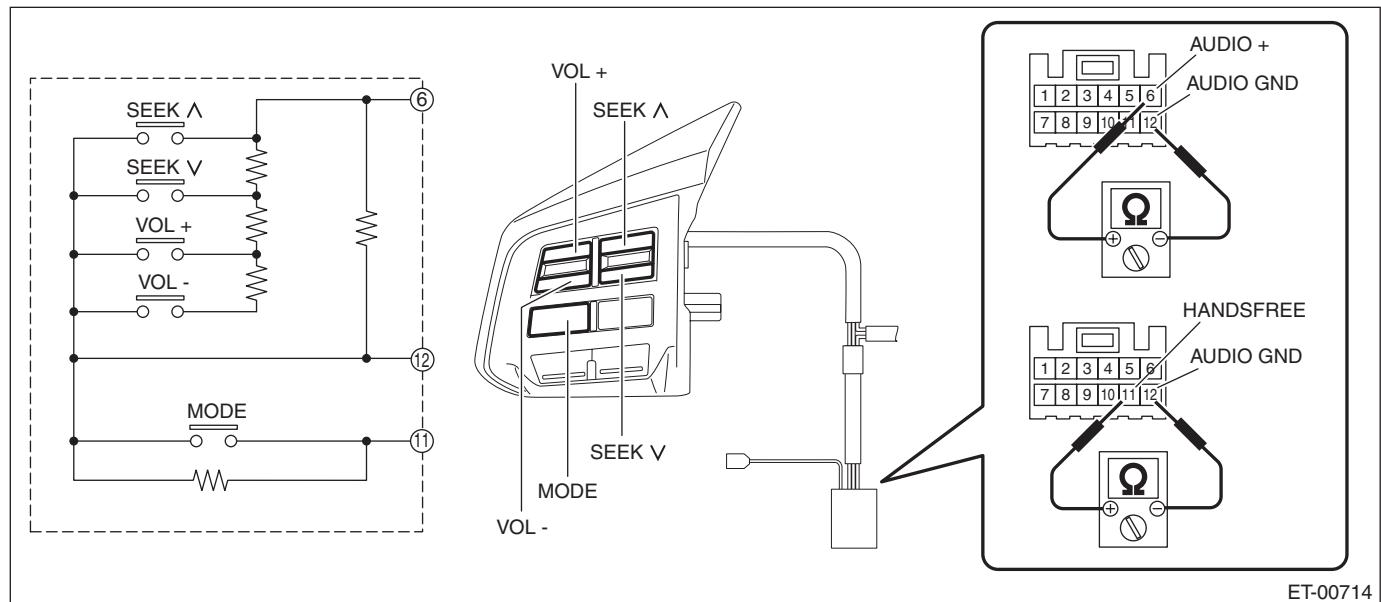
### Clearance:

**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

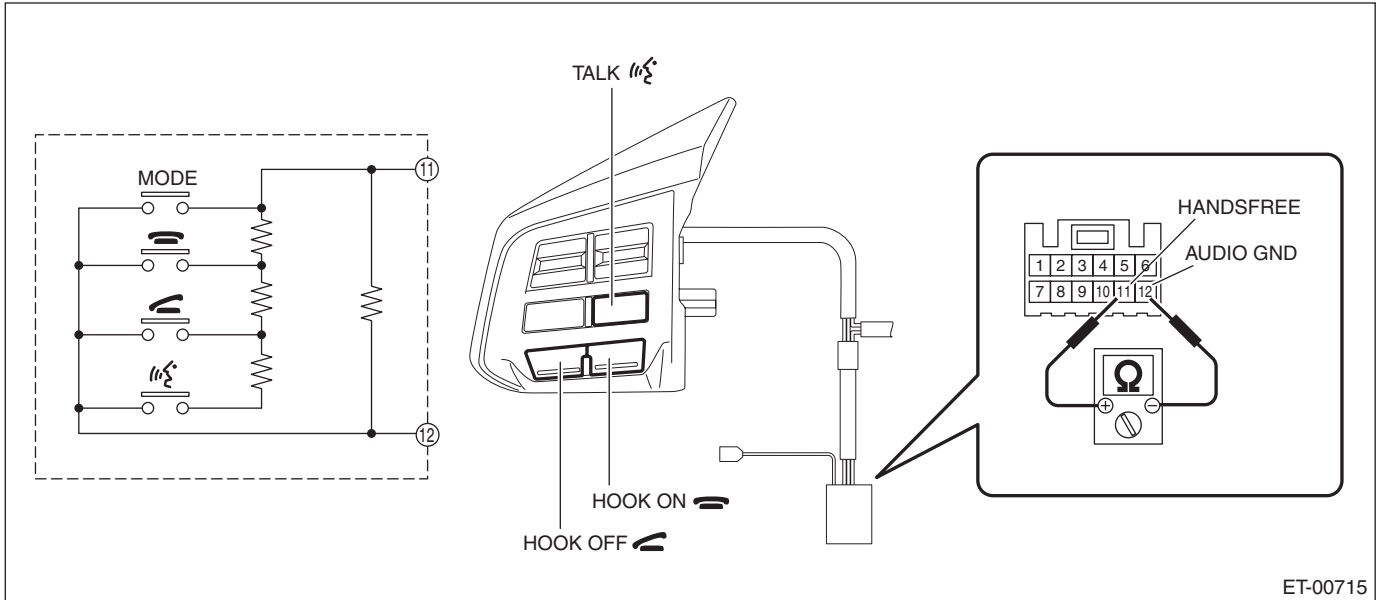


Switch	Switch operation	Terminal No.	Standard
VOL (+) VOL (-) SEEK ( $\wedge$ ) SEEK ( $\vee$ )	All OFF	6 and 12	Approx. 100 k $\Omega$
MODE	OFF	11 and 12	Approx. 100 k $\Omega$
VOL (+)	ON	6 and 12	Approx. 1,010 $\Omega$
VOL (-)	ON	6 and 12	Approx. 3,210 $\Omega$
Preset CH UP/SEEK ( $\wedge$ )	ON	6 and 12	Approx. less than 1 $\Omega$
Preset CH DOWN/SEEK ( $\vee$ )	ON	6 and 12	Approx. 330 $\Omega$
MODE	ON	11 and 12	Approx. less than 1 $\Omega$

# Steering Satellite Switch

## ENTERTAINMENT

- Handsfree operation



Switch	Switch operation	Terminal No.	Standard
HOOK ON HOOK OFF 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.