

## 9. 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 to OFF.
- 3) Disconnect the ground cable from battery and wait for at least 60 seconds before starting work. <Ref. to NT-5, BATTERY, NOTE, Note.>

#### NOTE:

For the 12 volt engine restart battery of HEV model, disconnect the ground terminal from 12V engine restart battery sensor.

- 4) Remove the driver's airbag module. <Ref. to AB-32, REMOVAL, Driver's Airbag Module.>
- 5) Remove the steering wheel. <Ref. to PS-8, REMOVAL, Steering Wheel.>
- 6) Remove the satellite switch assembly. <Ref. to PS-10, DISASSEMBLY, Steering Wheel.>

### B: INSTALLATION

#### CAUTION:

- Before handling the airbag module, refer to "CAUTION" of "General Description" in "AIRBAG SYSTEM". <Ref. to AB-10, CAUTION, General Description.>
  - Do not allow harness and connectors to interfere or get tangled up with other parts.
  - If the steering wheel has been removed, make sure that the steering roll connector is not turned from the original position.
  - If the steering wheel and steering angle sensor (steering roll connector) are removed, perform the VDC setting mode. <Ref. to VDC-26, ADJUSTMENT, VDC Control Module and Hydraulic Control Unit (VDCCM&H/U).>
  - Securely install the switch. Improper insertion of the pin or claw of the switch may cause improper installation.
- 1) Align the center position of the steering roll connector. <Ref. to AB-98, 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 (3.98 kgf-m, 28.8 ft-lb)*

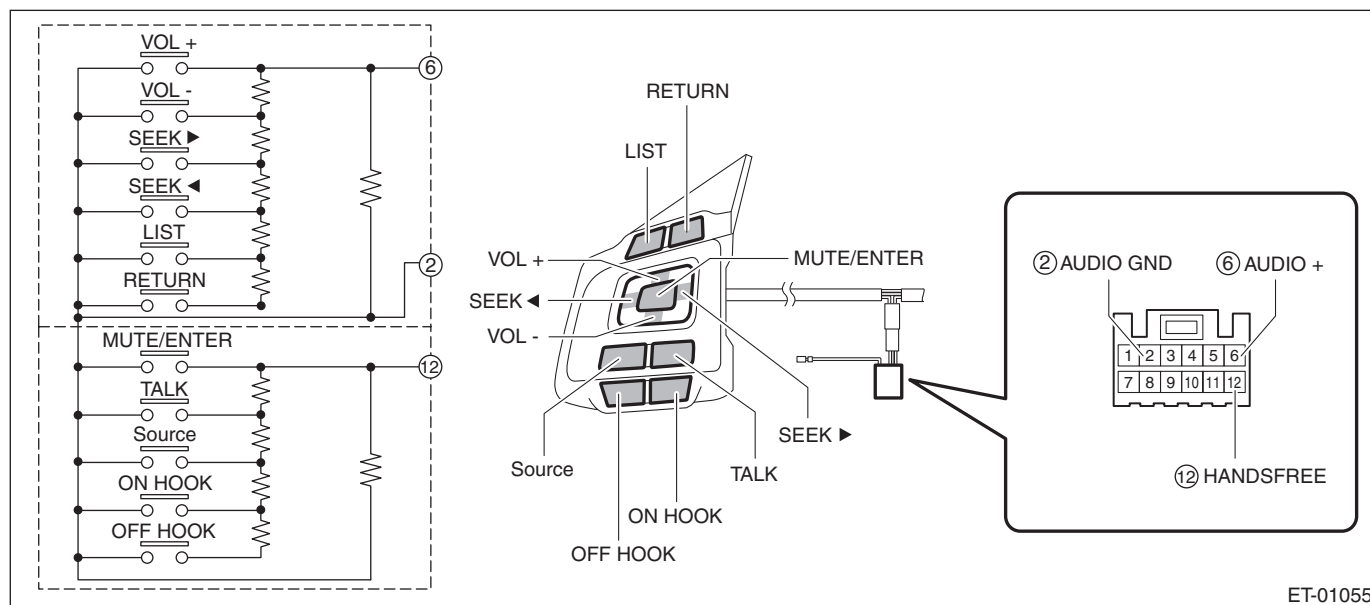
#### *Clearance:*

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

**C: INSPECTION**

1) Measure the resistance between connector terminals.

**Preparation tool:**  
**Circuit tester**



ET-01055

Terminal No.	Inspection conditions		Standard
6 — 2	VOL (+) VOL (-) SEEK (>) SEEK (<) LIST RETURN	A circuit is all OFF.	Approx. 100 kΩ
	VOL (+)	ON	Less than 1 Ω
	VOL (-)	ON	Approx. 50 Ω
	SEEK (>)	ON	Approx. 120 Ω
	SEEK (<)	ON	Approx. 230 Ω
	LIST	ON	Approx. 430 Ω
	RETURN	ON	Approx. 1000 Ω
12 — 2	MUTE/ENTER TALK Source ON HOOK OFF HOOK	B circuit is all OFF.	Approx. 100 kΩ
	MUTE/ENTER	ON	Less than 1 Ω
	TALK	ON	Approx. 50 Ω
	Source	ON	Approx. 120 Ω
	ON HOOK	ON	Approx. 230 Ω
	OFF HOOK	ON	Approx. 430 Ω

2) Apply battery voltage between the connector terminals to check lighting condition of illumination inside the switch.

Terminal No.	Inspection conditions	Standard
10 (+) — 11 (-)	Apply battery voltage.	Light ON

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