

# ONSTAR (R)

# OS

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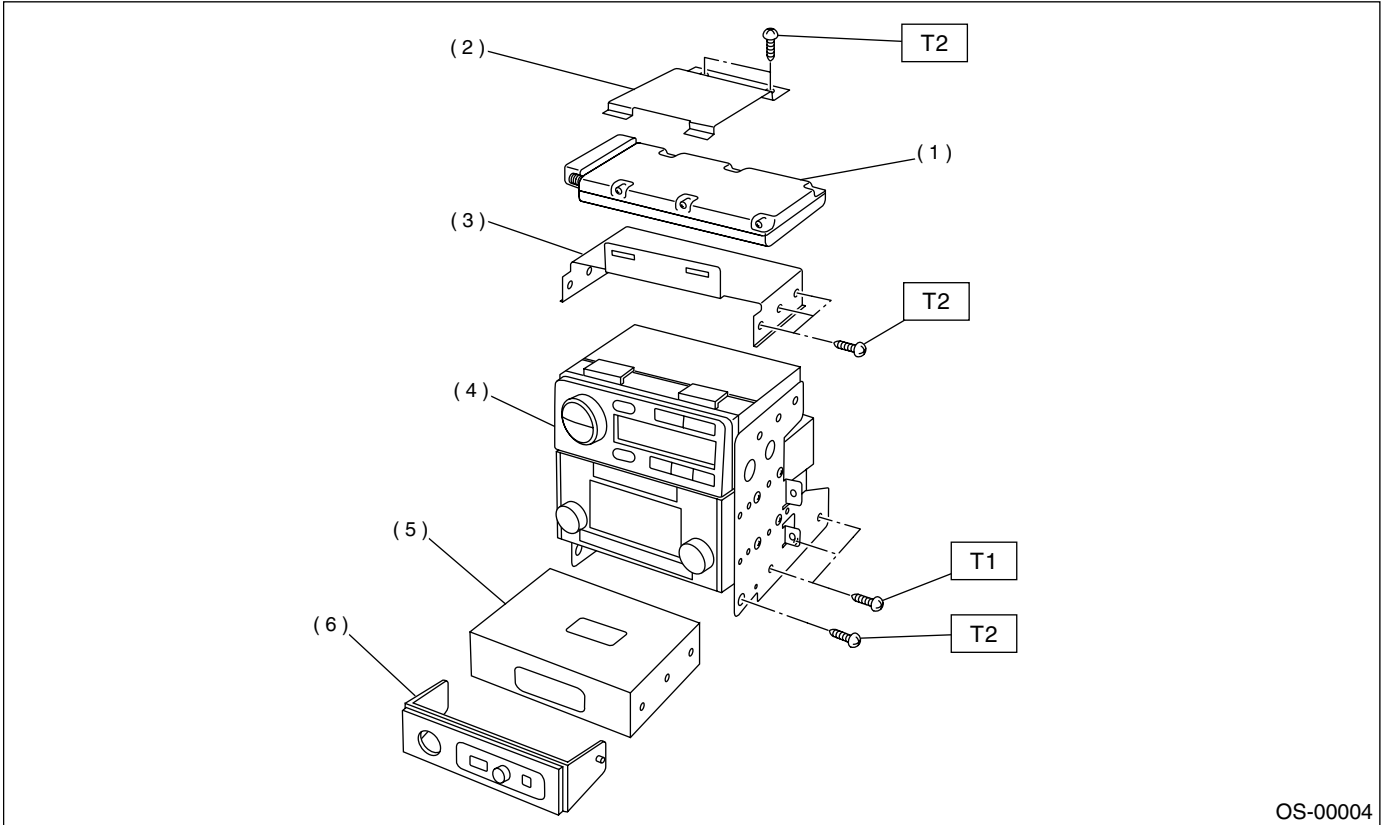


# GENERAL DESCRIPTION

ONSTAR (R)

## 1. General Description

### A: COMPONENT



OS-00004

- |                                      |                                  |
|--------------------------------------|----------------------------------|
| (1) Vehicle communication unit (VCU) | (4) Audio body                   |
| (2) VCU Bracket (upper)              | (5) Vehicle interface unit (VIU) |
| (3) VCU Bracket (lower)              | (6) Button ASSY                  |

**Tightening torque: N·m (kgf·m, ft·lb)**

**T1: 2.2 (0.22, 1.6)**

**T2: 4.6 (0.47, 3.4)**

## B: CAUTION

- Wear work clothing, including a cap, protective goggles, and protective shoes during operation.
- Remove contamination including dirt and corrosion before removal, installation or disassembly.
- Keep the disassembled parts in order and protect them from dust and dirt.
- Before removal, installation or disassembly, be sure to clarify the failure. Avoid unnecessary removal, installation, disassembly and replacement.
- Be careful not to burn your hands, because each part in the vehicle is hot after running.
- Be sure to tighten fasteners including bolts and nuts to the specified torque.
- Place shop jacks or safety stands at the specified points.
- Before disconnecting electrical connectors of sensor or units, be sure to disconnect the ground cable from battery.

## C: PREPARATION TOOL

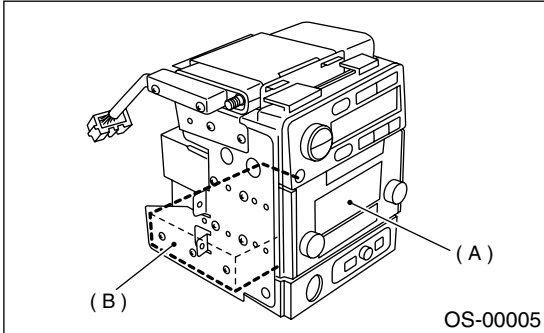
### 1. GENERAL PURPOSE TOOLS

TOOL NAME	REMARKS
Circuit Tester	Used for measuring resistance, voltage and ampere.

## 2. Vehicle Interface Unit VIU

### A: REMOVAL

- 1) Disconnect the ground cable from battery.
- 2) Remove meter visor. <Ref. to IDI-13, REMOVAL, Combination Meter Assembly.>
- 3) Remove audio body. <Ref. to ET-5, REMOVAL, Radio.>
- 4) Remove VIU from the audio body.



- (A) Audio body  
(B) VIU

### B: INSTALLATION

Install in the reverse order of removal.

#### ***Tightening torque:***

***2.2 N·m (0.22 kgf·m, 1.6 ft-lb)***

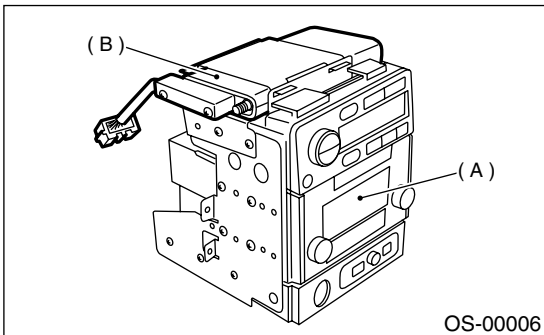
#### **NOTE:**

When changing VIU, consult the OnStar (R) call center and request setup.

### 3. Vehicle Communication Unit VCU

#### A: REMOVAL

- 1) Disconnect the ground cable from battery.
- 2) Remove meter visor. <Ref. to IDI-13, REMOVAL, Combination Meter Assembly.>
- 3) Remove audio body. <Ref. to ET-5, REMOVAL, Radio.>
- 4) Remove VCU from the audio body.



- (A) Audio body  
(B) VCU

#### B: INSTALLATION

Install in the reverse order of removal.

**Tightening torque:**

**4.6 N·m (0.47 kgf-m, 3.4 ft-lb)**

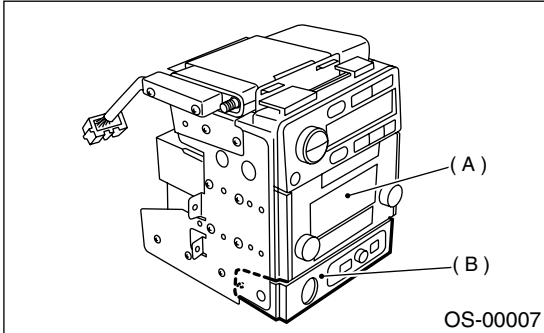
**NOTE:**

When changing VCU, consult the OnStar (R) call center and request setup.

## 4. Button Assembly

### A: REMOVAL

- 1) Disconnect the ground cable from battery.
- 2) Remove meter visor. <Ref. to IDI-13, REMOVAL, Combination Meter Assembly.>
- 3) Remove audio body. <Ref. to ET-5, REMOVAL, Radio.>
- 4) Remove button assembly from the audio body.



- (A) Audio body
- (B) Button ASSY

### B: INSTALLATION

Install in the reverse order of removal.

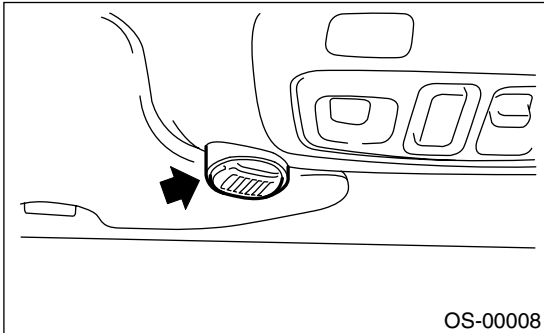
#### ***Tightening torque:***

***4.6 N·m (0.47 kgf-m, 3.4 ft-lb)***

## 5. Microphone

### A: REMOVAL

- 1) Disconnect the ground cable from battery.
- 2) Remove microphone.



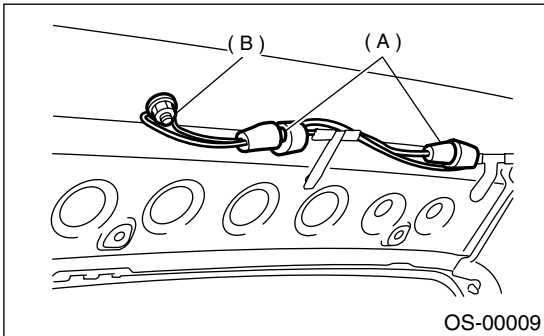
### B: INSTALLATION

Install in the reverse order of removal.

## 6. Antenna

### A: REMOVAL

- 1) Disconnect the ground cable from battery.
- 2) Remove roof trim. <Ref. to EI-54, REMOVAL, Roof Trim.>
- 3) Disconnect connector.
- 4) Remove nut fixing antenna.



- (A) Connector
- (B) Antenna fixing nut

### B: INSTALLATION

Install in the reverse order of removal.

#### **Tightening torque:**

**4.4 N·m (0.45 kgf·m, 3.3 ft-lb)**