

## 4. Tire Pressure Monitoring System

### A: REMOVAL

#### 1. TRANSMITTER (TIRE INFLATION PRESSURE SENSOR)

- 1) Remove the wheels from the vehicle. <Ref. to WT-5, REMOVAL, Tire and Wheel.>
- 2) Remove the tires from wheels.

**CAUTION:**

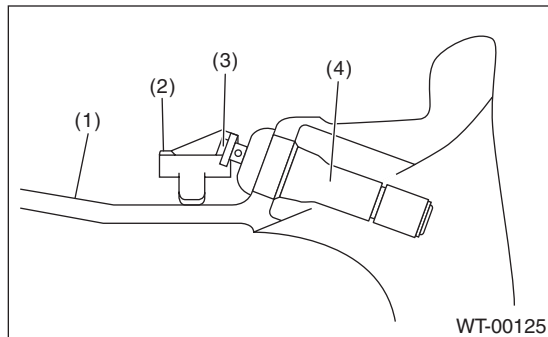
**Use a tire changer when removing the tire from the wheel.**

- 3) Loosen the screw to remove the transmitter from the valve stem.

**CAUTION:**

**Do not reuse the valve and screw.**

**Replace the valve and screw with a new part even when reusing transmitter.**



- (1) Wheel
- (2) Transmitter
- (3) Screw
- (4) Valve

- 4) Remove the valve from the wheel.

# Tire Pressure Monitoring System

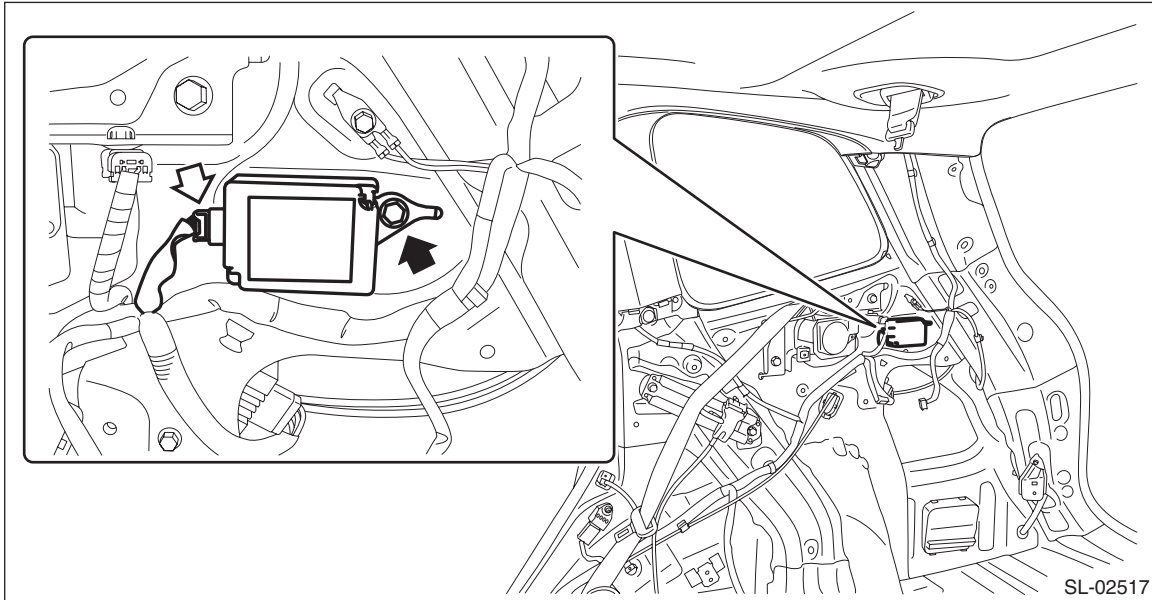
## WHEEL AND TIRE SYSTEM

### 2. TPMS & KEYLESS CONTROL MODULE

#### NOTE:

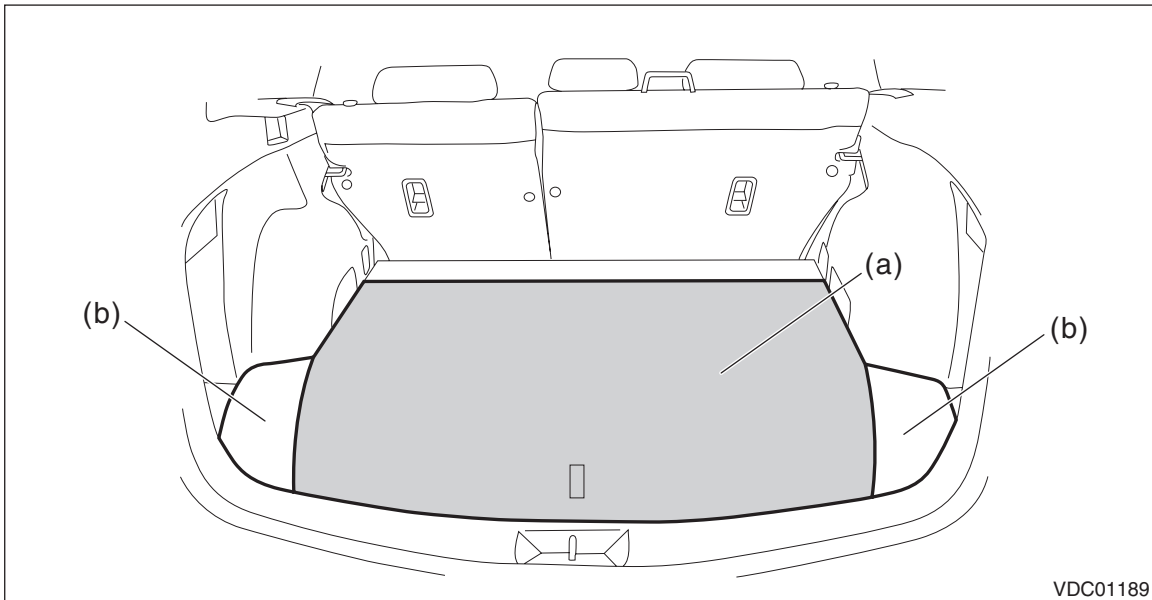
TPMS control module is integrated with the keyless entry control module.

- 1) Disconnect the ground cable from battery.
- 2) Remove the trim panel - rear apron. <Ref. to EI-102, REMOVAL, Rear Quarter Trim.>
- 3) Remove the TPMS & keyless control module.
  - (1) Disconnect the connector.
  - (2) Remove the bolt and then remove the TPMS & keyless control module.

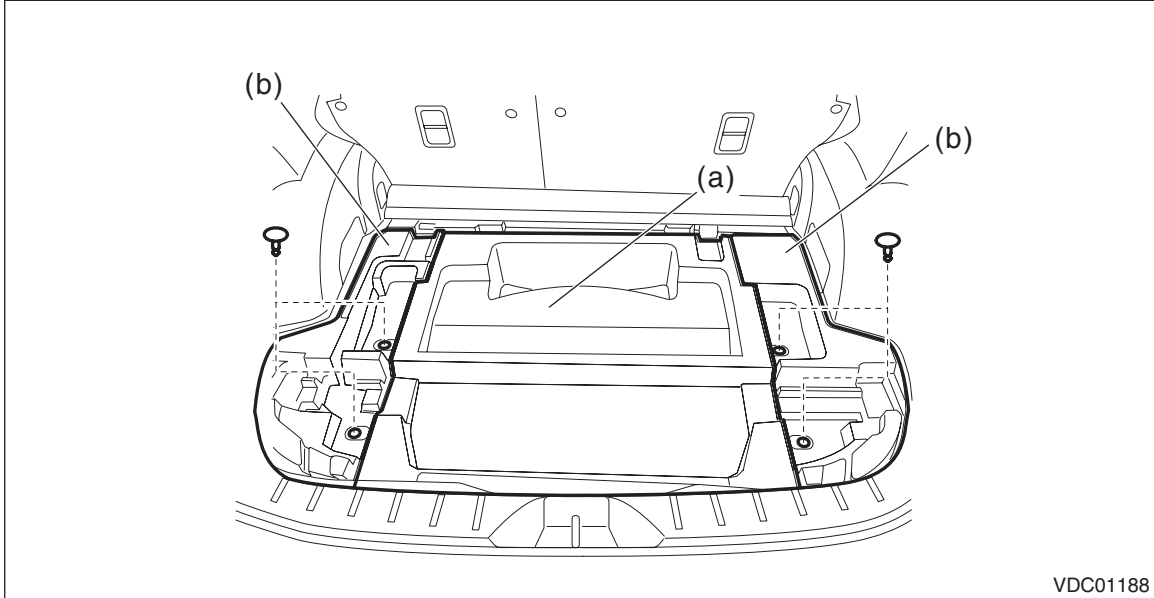


### 3. TPMS MODULE

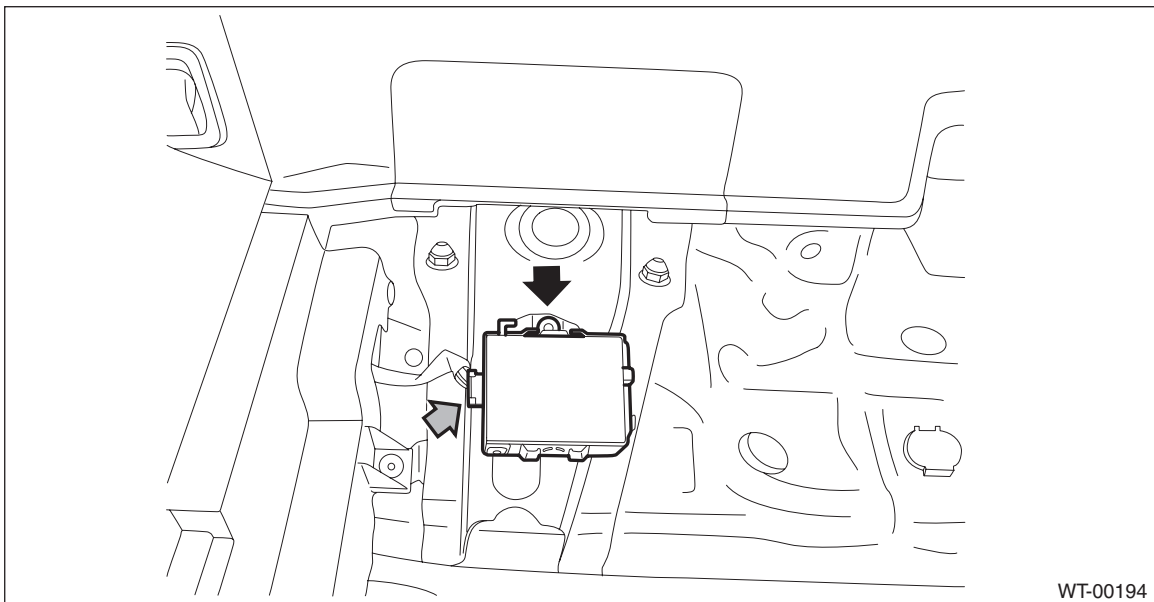
- 1) Disconnect the ground cable from battery.
- 2) Remove the mat - rear floor CTR (a) and the mats - rear floor (b) of right and left sides.



- 3) Remove the clips and remove the cover - trunk (a) and right and left spacers - rear front side (b).



- 4) Remove the TPMS module assembly.  
(1) Disconnect the connector.  
(2) Remove the bolts, then remove the TPMS module assembly.



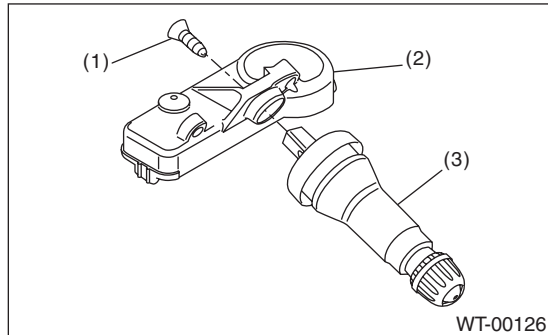
### B: INSTALLATION

#### 1. TRANSMITTER (TIRE INFLATION PRESSURE SENSOR)

##### CAUTION:

**Use the new transmitter assembly or replace the new valve and screw, when installing.**

1) Replace the valve and screw with a new part when reusing transmitter.



- (1) Screw
- (2) Transmitter
- (3) Valve

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

**1.4 N·m (0.14 kgf-m, 1.0 ft-lb)**

2) Install the transmitter to the wheel by aligning it with valve hole.

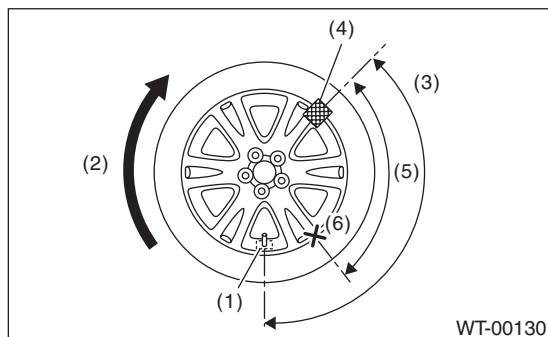
##### NOTE:

When using the jig that pulls the valve cap by hooking its neck part, use another short-type cap.

3) Install the tires to wheels.

##### CAUTION:

- Use a tire changer when installing tire to wheel.
- To prevent damaging the transmitter, set the tire changer boom in the position as shown in the figure.



- (1) Transmitter
- (2) Direction of turn table rotation
- (3) 135°
- (4) Tire changer boom
- (5) 90°
- (6) Starting point for fitting the bead to the rim

4) Install the wheels to vehicle. <Ref. to WT-5, INSTALLATION, Tire and Wheel.>

5) Register the transmitter ID when the transmitter has been replaced. <Ref. to TPM(diag)-15, Register Transmitter (ID).>

## 2. TPMS & KEYLESS CONTROL MODULE

1) Install each part in the reverse order of removal.

### *Tightening torque:*

**13 N·m (1.33 kgf-m, 9.6 ft-lb)**

2) Re-register the transmitter ID and the keyless transmitter when the TPMS & keyless control module has been replaced.

- Register transmitter ID <Ref. to TPM(diag)-15, Register Transmitter (ID).>
- Keyless transmitter registration <Ref. to SL-78, REGISTRATION OF KEYLESS TRANSMITTER WITH SUBARU SELECT MONITOR, REPLACEMENT, Keyless Transmitter.>

## 3. TPMS MODULE

1) Install each part in the reverse order of removal.

### *Tightening torque:*

**7.5 N·m (0.76 kgf-m, 5.5 ft-lb)**

2) Re-register the transmitter ID when the TPMS module has been replaced. <Ref. to TPM(diag)-15, Register Transmitter (ID).>