4. Tire Pressure Monitoring System

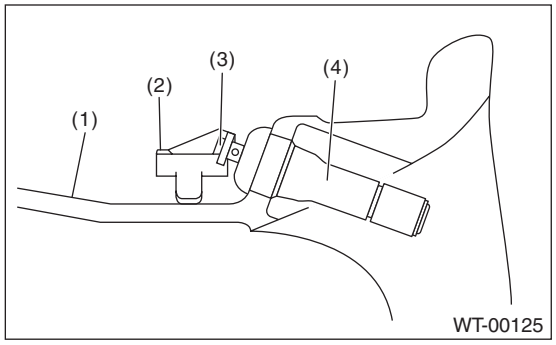
A: REMOVAL

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.

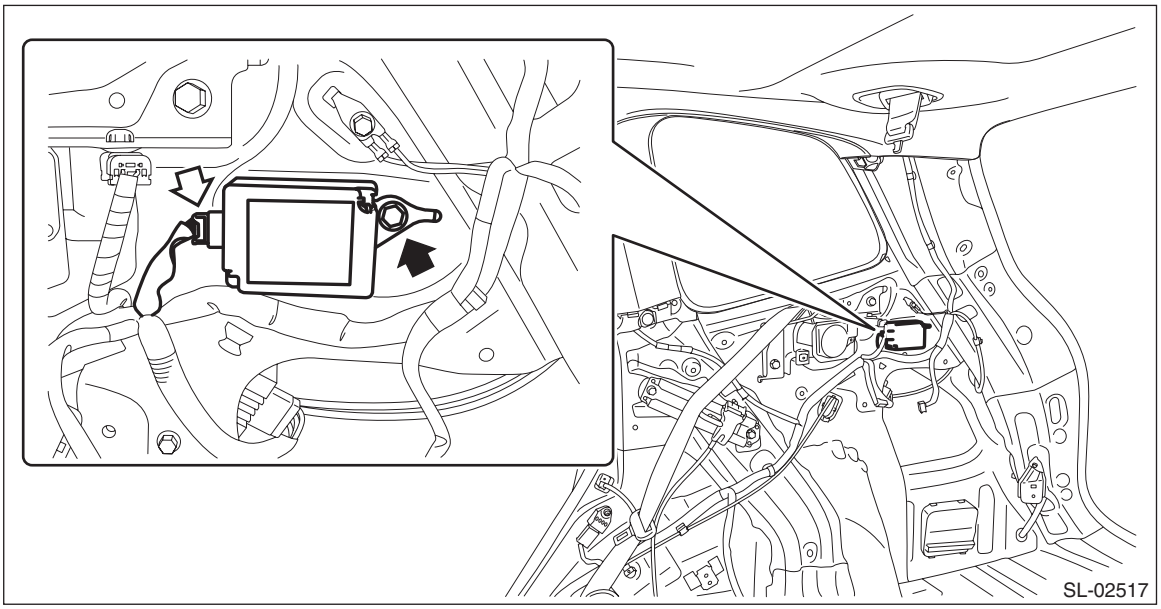


(1) Wheel
(2) Transmitter
(3) Screw
(4) Valve

4) Remove the valve from the wheel.

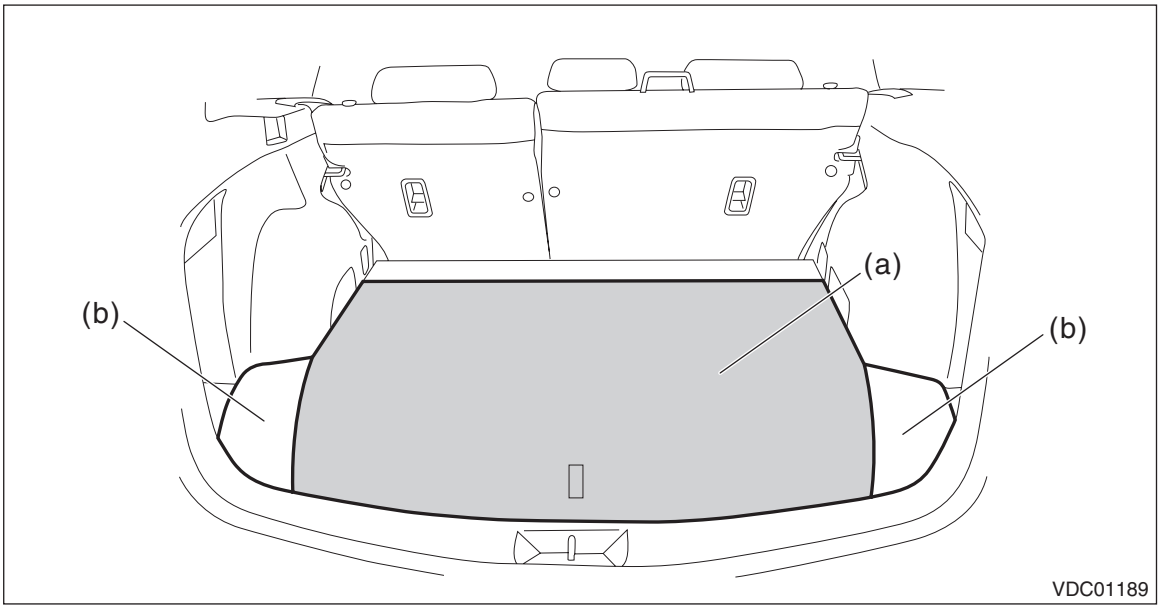
2. TPMS & KEYLESS CONTROL MODULE

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.

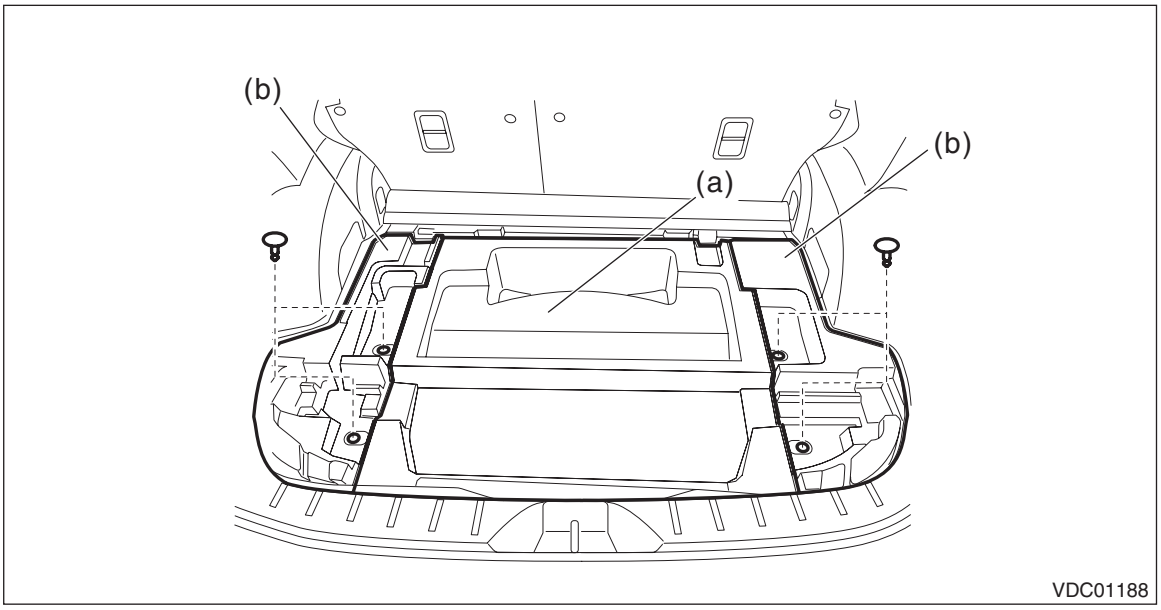


3. TPMS MODULE

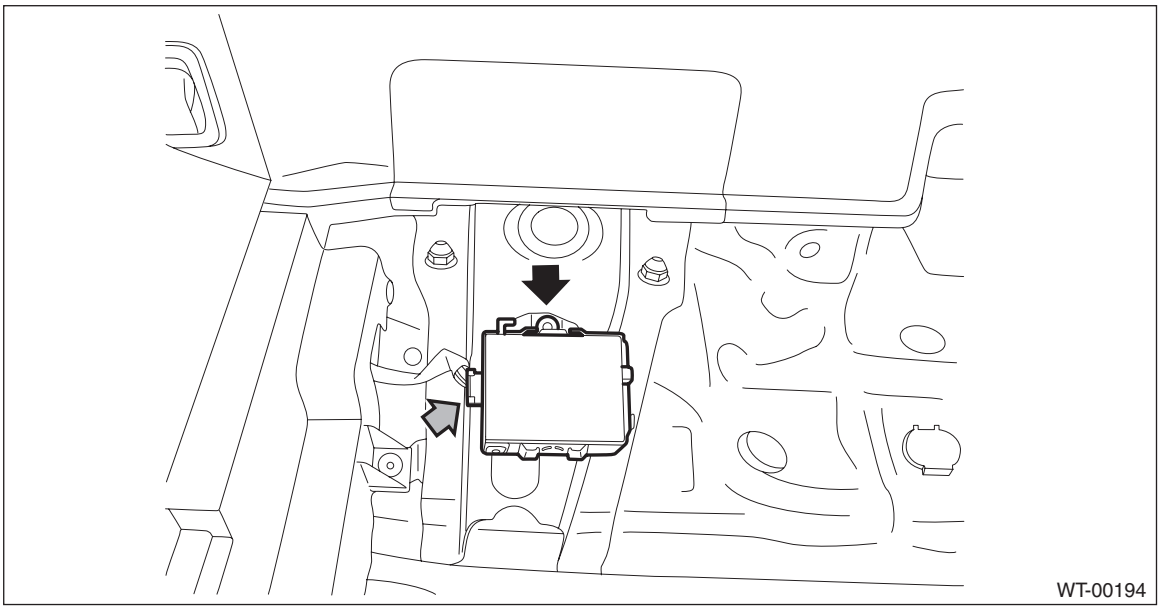
1) Disconnect the ground cable from battery.
2) Remove the mat - rear floor CTR (a) and the mats - rear floor (b) of right and left sides.



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.

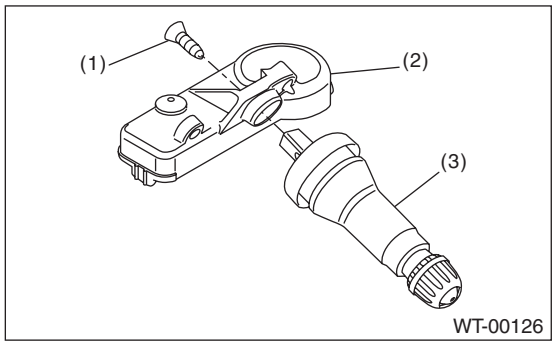


B: INSTALLATION

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

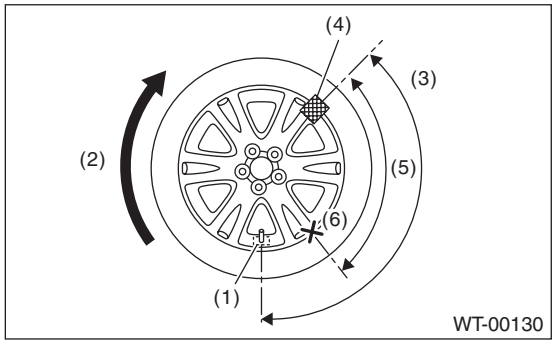
Tightening torque:
1.4 N·m (0.14 kgf-m, 1.0 ft-lb)

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)-14, 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)-14, Register Transmitter (ID).>
- Keyless transmitter registration <Ref. to SL-79, 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)-14, Register Transmitter (ID).>