4. Tire Pressure Monitoring System

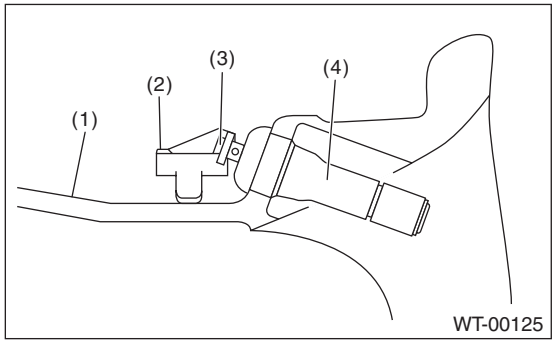
A: REMOVAL

1. TRANSMITTER (TIRE INFLATION PRESSURE SENSOR)

1) Remove the wheels from the vehicle. <Ref. to WT-4, 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

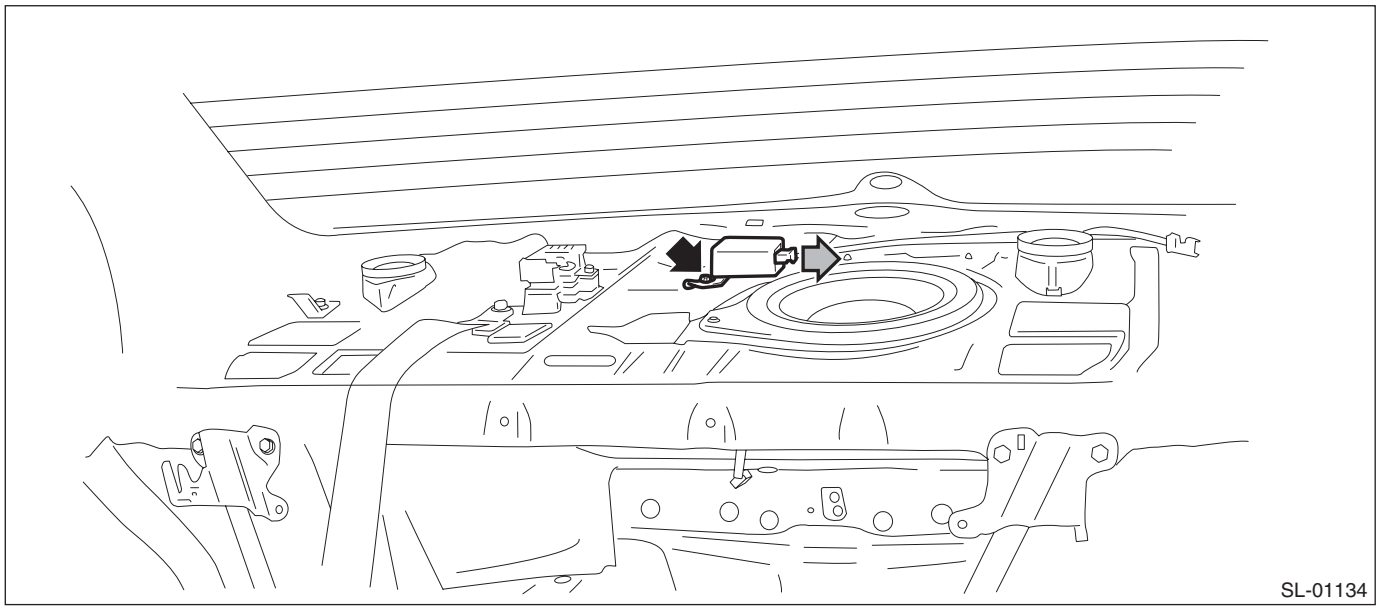
4) Remove the valve from the wheel.

2. TPMS & KEYLESS CONTROL MODULE

NOTE:
TPMS control module is integrated with the keyless entry control module. (Model without keyless access)

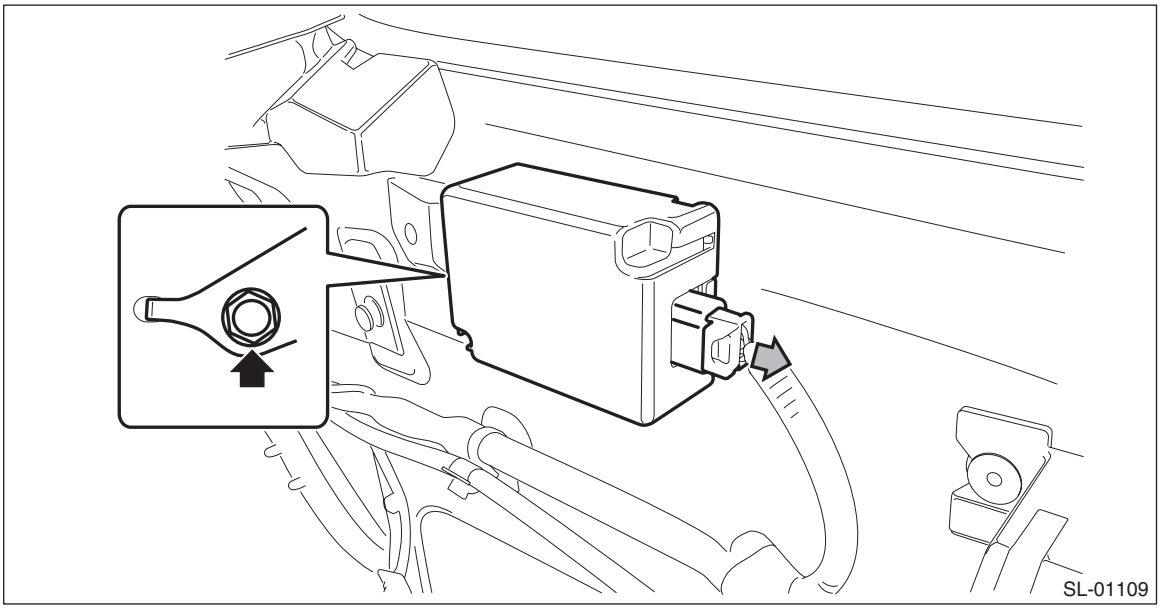
Sedan model

1) Disconnect the ground cable from battery.
2) Remove the rear shelf trim. <Ref. to EI-120, REMOVAL, Rear Shelf Trim.>
3) Remove the TPMS & keyless control module.
   (1) Disconnect the connector.
   (2) Remove the bolt and then remove the TPMS & keyless control module.



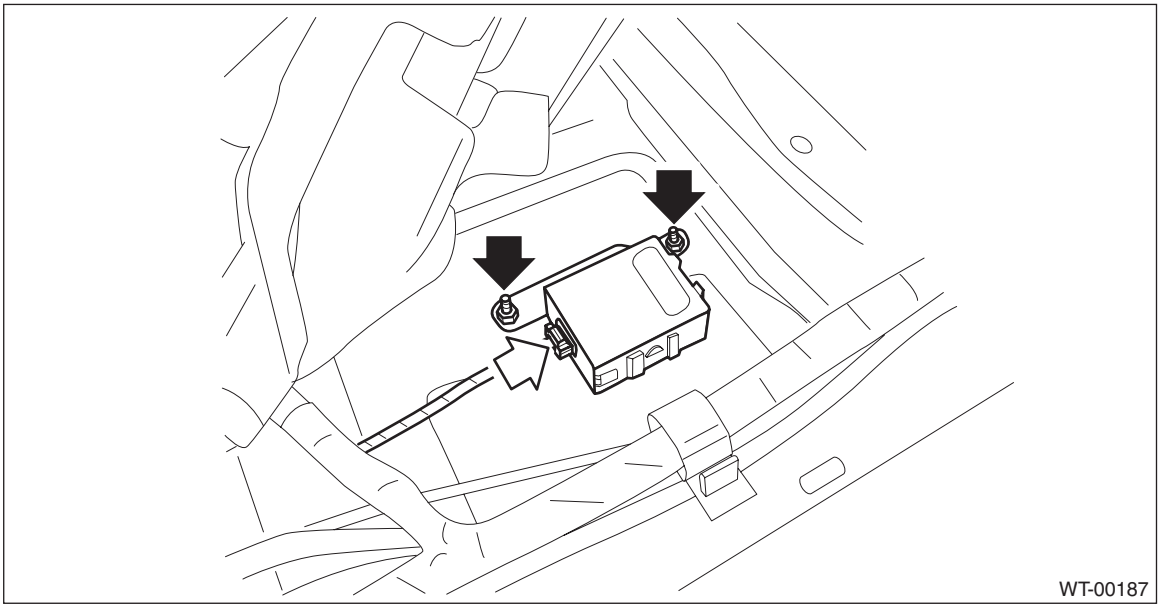
OUTBACK model

1) Disconnect the ground cable from battery.
2) Remove the rear quarter trim LH. <Ref. to EI-108, 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 CM

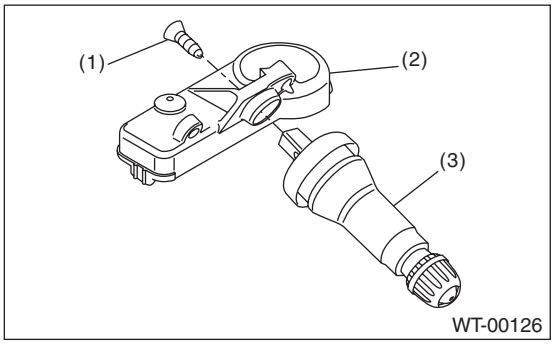
NOTE:
TPMS control module is separated from keyless entry control module, and located under the driver's seat. (Model with keyless access)
1) Disconnect the ground cable from battery.
2) Remove the front seat assembly. <Ref. to SE-10, REMOVAL, Front Seat.>
3) Remove the rear seat cushion assembly. <Ref. to SE-34, REMOVAL, Rear Seat.>
4) Remove the lower inner trim. <Ref. to EI-94, REMOVAL, Lower Inner Trim.>
5) Turn up the driver's side floor mat so that the TPMS CM can be removed.
6) Remove the TPMS CM.
   (1) Disconnect the connector.
   (2) Remove the nuts to remove the TPMS CM.



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.



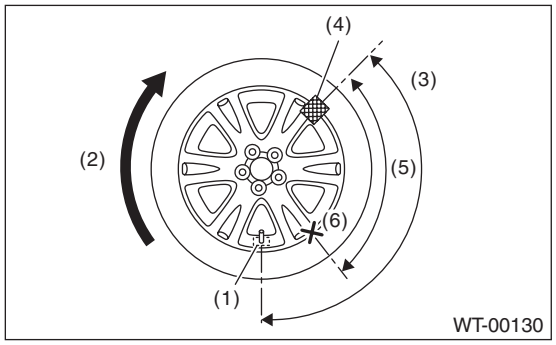
(1) Screw
(2) Transmitter
(3) Valve

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-4, INSTALLATION, Tire and Wheel.>
5) Register the transmitter ID to the TPMS & keyless control module. <Ref. to TPM(diag)-13, Register Transmitter (ID).>

2. TPMS & KEYLESS CONTROL MODULE

Install each part in the reverse order of removal.

Tightening torque:
7.5 N·m (0.76 kgf-m, 5.5 ft-lb)

3. TPMS CM

Install each part in the reverse order of removal.

Tightening torque:
8 N·m (0.82 kgf-m, 5.9 ft-lb)

C: ADJUSTMENT

Re-register the transmitter ID when transmitter has been replaced. <Ref. to TPM(diag)-13, Register Transmitter (ID).>