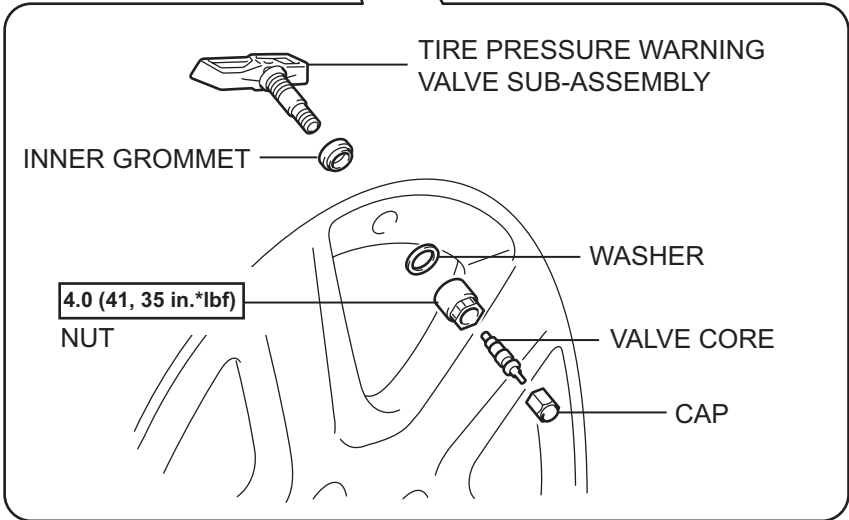
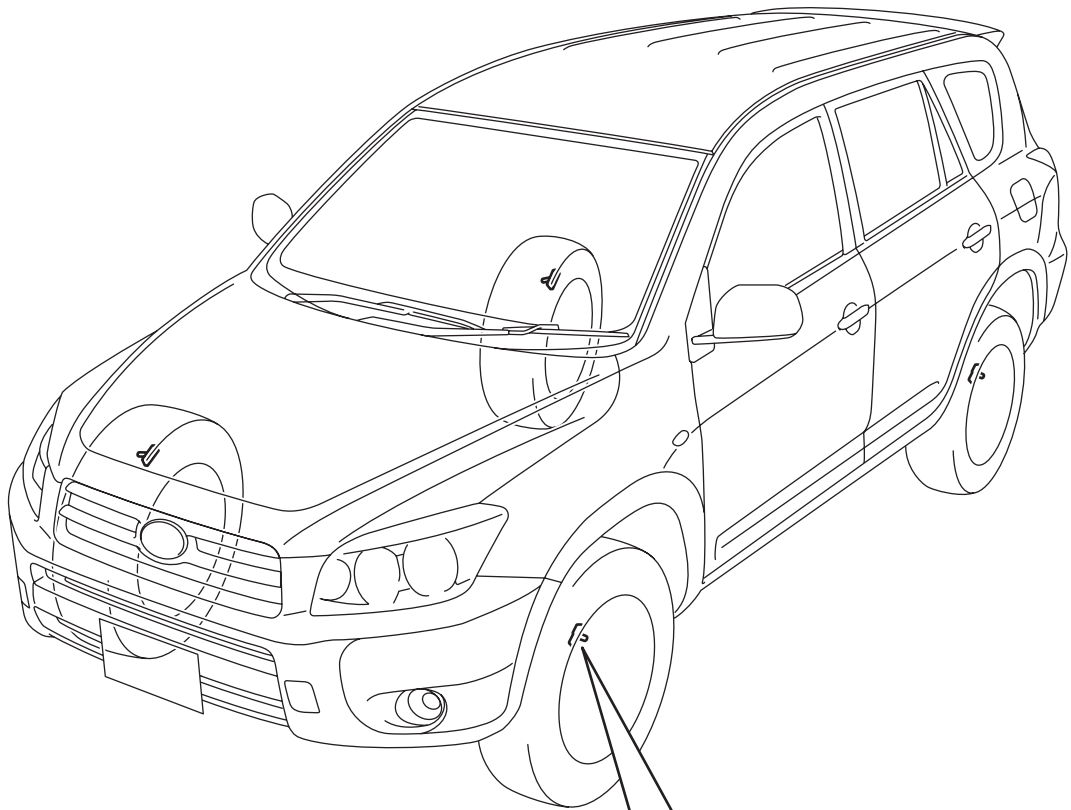


TIRE PRESSURE WARNING VALVE AND TRANSMITTER COMPONENTS

TW



N*m (kgf*cm, ft.*lbf) : Specified torque



REMOVAL

1. REMOVE FRONT TIRE
2. REMOVE REAR TIRE
3. REMOVE TIRE PRESSURE WARNING VALVE SUB-ASSEMBLY

- (a) Remove the valve core and cap, and release air from the tire.
- (b) After ensuring that air is sufficiently released, remove the nut and washer that are used to fix the tire pressure warning valve and drop the valve sensor inside the tire.

HINT:

Keep the removed cap, valve core, nut and washer.

- (c) After dropping the tire pressure warning valve into the tire, disengage the tire bead using the shoe of the tire remover.

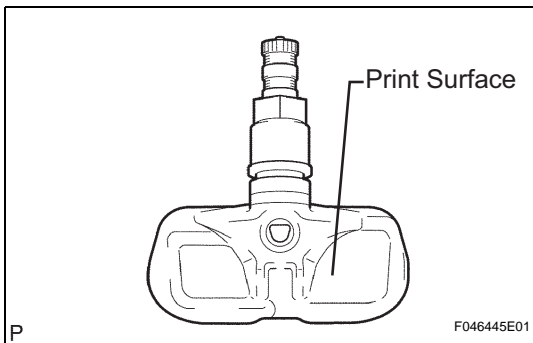
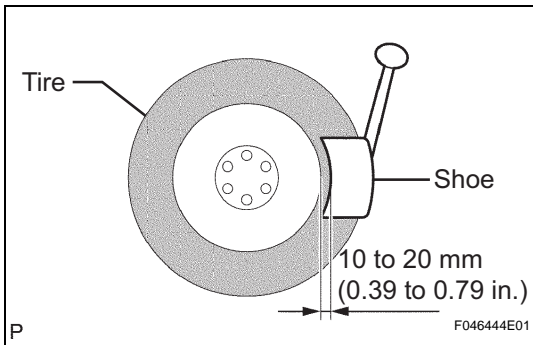
NOTICE:

Be careful not to damage the tire pressure warning valve because of interference between the sensor and tire bead.

- (d) Remove the bead on the upper side.
- (e) Take out the sensor from the tire and remove the bead on the lower side.
- (f) Remove the inner grommet from the tire pressure warning valve.

HINT:

Check that there are no cracks or damage on the grommet. If necessary, replace the grommet, the washer and the nut.



INSTALLATION

1. INSTALL TIRE PRESSURE WARNING VALVE SUB-ASSEMBLY

- (a) Insert the tire pressure warning valve into the valve installation hole. Insert it from the inside of the rim so that the print surface can be seen.

NOTICE:

- Check that there is no visible deformation, damage or other abnormalities on the transmitter.
- Check that there is no foreign matter on the inner grommet and around the rim hole.
- If the tire pressure warning valve is installed in the reverse direction, it may be damaged or fail to transmit signals when the vehicle is driven at high speeds.

- (b) Install the washer on the tire pressure warning valve from the rim side and tighten it with the nut.

Torque: 4.0 N*m (41 kgf*cm, 35 in.*lbf)

NOTICE:

- Make sure that there is no foreign matter on the washer and nut.

- If the tire and tire pressure warning valve have been removed, check that there is no damage or cuts visible, and no foreign matter, such as mud, dirt or sand attached to the grommet. Replace the grommet with a new one if any of the defects mentioned above are found.
 - Make sure that there is no oil, water or lubricant around the rim hole, tire pressure warning valve, washer and nut. Failing to do so may result in improper installation.
- (c) After the tire is inflated, the valve nut may be loose. Retighten the nut to the specified torque and then check for air leaks with soapy water.

Torque: 4.0 N*m (41 kgf*cm, 35 in.*lbf)

- (d) Set the wheel disc to the mounting machine and install the lower tire bead. Position the main body of the valve sensor in the shaded area shown in the illustration.

NOTICE:

If the valve sensor is positioned outside this area, it will interfere with the tire bead and may be damaged.

- (e) Install the upper bead.

NOTICE:

- Make sure that the tire bead and tool do not interfere with the main body of the sensor and that the sensor is not clamped by the bead.
- Check that there is no water or other liquid around the tire pressure warning valve.

2. INSTALL FRONT TIRE

Torque: 103 N*m (1,050 kgf*cm, 76 ft.*lbf)

3. INSTALL REAR TIRE

Torque: 103 N*m (1,050 kgf*cm, 76 ft.*lbf)

4. REGISTER TRANSMITTER ID

HINT:

If the tire pressure warning ECU is replaced with a new one or with an ECU from another vehicle, register the transmitter ID codes.

5. INSPECT TIRE PRESSURE WARNING SYSTEM

