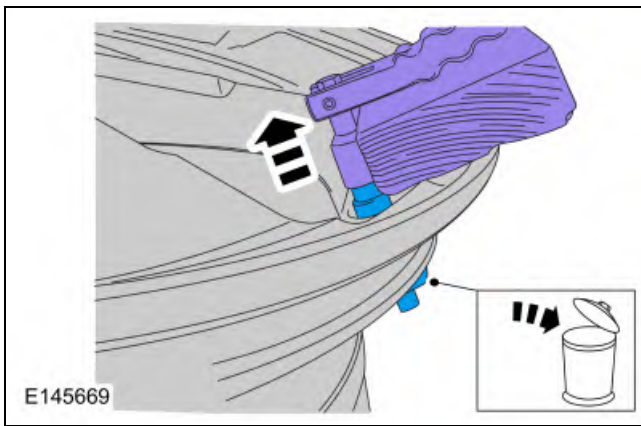


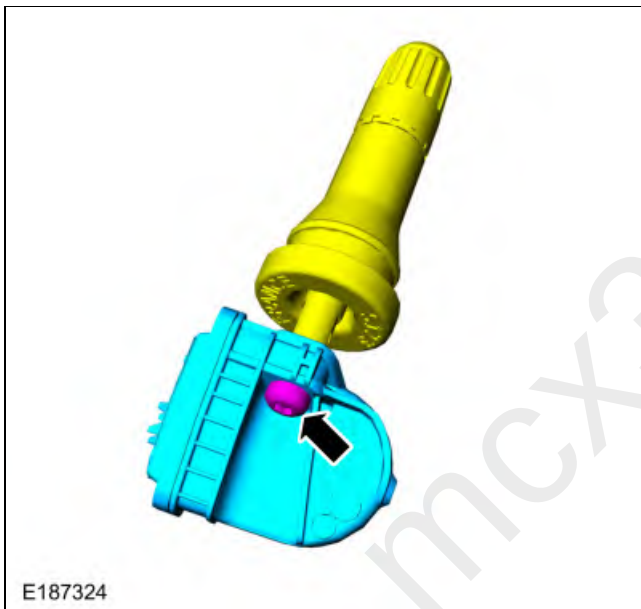


NOTE: When installing a new wheel, always install a new valve stem and sensor screw. Reuse the TPMS sensor from the previous wheel if possible. The TPMS will not have to be trained if the sensor is reused.

NOTE: If the TPMS sensor is being reused, inspect the TPMS sensor for damage and install a new sensor as necessary.

8. **NOTICE:** To prevent TPMS sensor and valve stem damage, the valve stem must be installed onto the TPMS sensor and then installed into the wheel as an assembly.

Position the new valve stem onto the TPMS sensor and install the new screw.
Torque: 13 lb.in (1.5 Nm)



ASSEMBLY

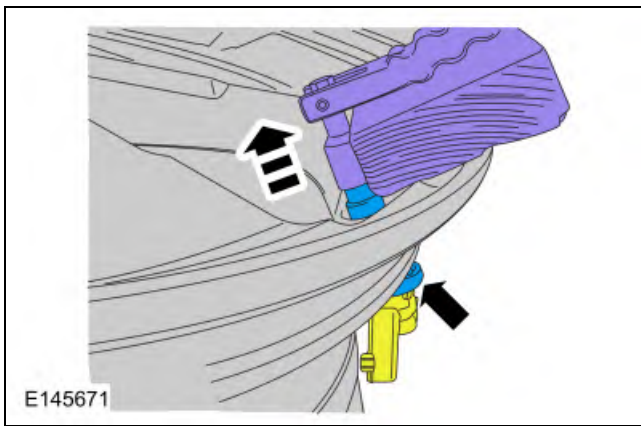
NOTICE: Damage to the TPMS sensor may result if the tire mounting is not carried out as instructed.

1. **NOTICE:** It is important to pull the valve stem and TPMS sensor assembly through the wheel rim hole in a direction parallel to the valve stem hole axis. If the assembly is pulled through at an angle, damage to the valve stem and sensor assembly may occur.

NOTICE: Use care not to damage the wheel surface when installing the valve stem and TPMS sensor assembly.

NOTE: Lubricate the valve stem with soapy water and install the valve stem and TPMS sensor assembly into the wheel using a block of wood and a suitable valve stem installer.

Using a suitable valve stem installer, install the new valve stem and TPMS sensor assembly.
Use the General Equipment: Wooden Block

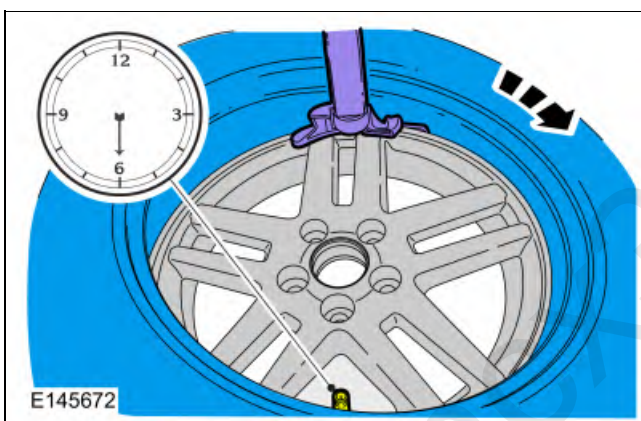


2. **NOTE:** Lubricate the tire beads using a suitable fast-drying, corrosion-inhibiting tire bead lubricant.

NOTE: Do not mount the tire at this time.

Position the wheel on the turntable of the tire machine, then lubricate and position the bottom bead of the tire on the wheel.

3. Position the wheel to align the valve stem with the machine arm, at the 6 o'clock position, and mount the bottom bead of the tire.



4. Reposition the wheel to align the valve stem with the machine arm at the 6 o'clock position, and mount the top bead of the tire.

5. **NOTE:** Use only the Digital Tire Pressure Gauge any time tire pressures are measured to be sure that accurate values are obtained.

Inflate the tire to the pressure specified on the VC label located on the driver door or door pillar.

NOTE: Proceed to the next step if the tire beads do not seat at the specified inflation pressure.

6. **WARNING:** If there is a need to exceed the maximum pressure indicated on the sidewall of the tire in order to seat the beads, follow all steps listed below. Failure to follow these steps may result in serious personal injury.

NOTICE: The following steps should only be carried out if the tire beads cannot be seated by inflating the tire up to the maximum inflation pressure listed on the tire sidewall.

1. Relubricate the tire bead and wheel bead seat area.
2. Install a remote valve and pressure gauge.
3. Wear eye and ear protection and stand at a minimum of 3.65 m (12 ft) away from the wheel and tire assembly.
4. Inflate the tire using the remote valve and tire gauge until the beads have seated or until the pressure gauge is 138 kPa (20 psi) more than maximum inflation pressure on tire sidewall. If beads have not seated, deflate the tire and proceed to the next step.
5. Place the wheel and tire assembly in an OSHA-approved tire safety cage.
6. Inflate the tire using the remote valve and pressure gauge until the beads have seated or until the pressure gauge is 276 kPa (40 psi) more than maximum inflation pressure on the tire sidewall. **Do not exceed 276 kPa (40 psi) above the maximum pressure on tire sidewall. Install a new tire if the beads do not seat at this pressure.**

7. Install the wheel and tire.

Refer to: Wheel and Tire (204-04A Wheels and Tires, Removal and Installation).

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204-04B Tire Pressure Monitoring System (TPMS)

Description and Operation