

HP PREMIUM



TPMS
SENSOR

TIRE PRESSURE
MONITORING SYSTEM



INSTALLATION INSTRUCTIONS FOR TIRE PRESSURE MONITORING SENSOR

PRODUCT STRUCTURE DIAGRAM

- Valve Stem Screw
- Sensor
- Metal Valve Stem Body
- Valve Stem Nut
- Valve Stem Cap



ATTENTION

Before installation, please carefully read the user manual of your vehicle and confirm the TPMS learning mode.

• Auto Relearn Procedure

The sensors can be replaced directly.

• OBDII or Stationary Relearn Procedure

Specific tools and techniques are required. It is recommended to have the replacement done at a tire repair store or a professional automotive repair store.

During the installation process, please operate carefully to avoid the mounting arm colliding with the TPMS sensor, which may result in TPMS sensor damage.

NOTE

- 1 These TPMS products are compliant. If a TPMS diagnostic tool is available, it is recommended to perform a diagnosis to confirm functionality. This step is not mandatory, but recommended as the installation process may sometimes result in damage to the sensor.
- 2 It is advised to record the ID of each tire's original and newly replaced TPMS sensor, along with their corresponding installation positions.

INSTALLATION PROCEDURE

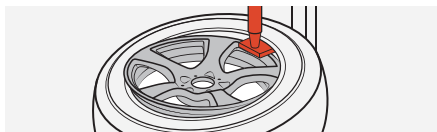
Step 1

Remove the tire from the vehicle and place it on the tire changer. Remove the valve cap to deflate the tire. Use the machine's separating clamp to press down on the tire bead and loosen the tire from the rim. (Avoid pressing down directly from the valve stem position.)



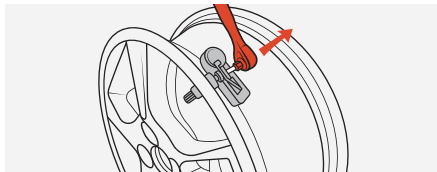
Step 2

Remove the outer tire, or use special equipment to press the tire down to expose the valve stem for sensor installation or removal.



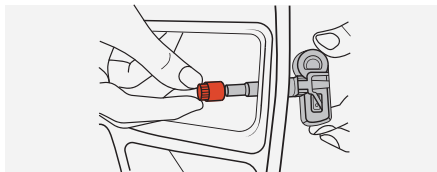
Step 3

Remove the old sensor. Use a screwdriver to remove the set screw and sensor from the valve stem, then loosen the nut and remove the valve.



Step 4

Loosen the valve stem cap and valve stem nut, clean the valve stem hole, pass the valve stem through the valve hole of the wheel, and secure the valve stem nut from the outside of the wheel. Tighten the nut by hand while keeping the sensor pressed to the wheel rim.



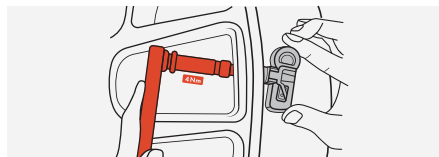
Step 5

Use a torque wrench and tighten the nut with 4 Nm torque.

NOTE

- 1 Ensure the sensor is securely fitted to the valve stem, with no looseness or air leakage.

- 2 When reinstalling the outer tire, avoid any collision or compression of the sensor by tools or other objects to prevent physical damage to the sensor.



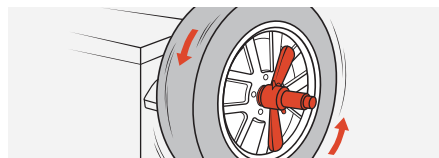
Step 6

Pump up the tire.



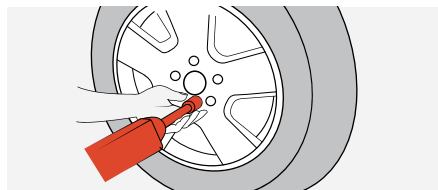
Step 7

Perform tire balancing.



Step 8

Install the tire and inflate it to the manufacturer's recommended standard pressure.



HOW TO RELEARN TPMS SENSOR AFTER INSTALLATION

ATTENTION

Please carefully read the user manual of your vehicle and confirm the TPMS learning mode. Choose from below the relearn process that suits your vehicle.

Auto Relearn Procedure

- 1 Place the smart key at a distance of more than 5 meters (16.5 feet) from the vehicle and park it for 30 minutes.
- 2 Start the vehicle and drive continuously for over 10 minutes at a stable speed of 25 km/h (approx. 16 mph) or higher.
- 3 Check the dashboard. If the tire pressure warning light is off, the relearn process is complete.

NOTE

If your vehicle cannot support Auto Relearn Procedure, please seek assistance from a professional mechanic to perform OBD II or Stationary Relearn Procedure.

OBDII Relearn Procedure (Relevant Tools Required)

- 1 Prepare an OBD tire pressure diagnostic tool.
- 2 Start the vehicle and connect the OBD diagnostic tool with the vehicle's OBD port.
- 3 Operate the diagnostic tool to enter the tire pressure sensor relearn procedure.
- 4 Follow the instructions indicated by the diagnostic tool to perform the OBD relearn procedure and obtain a successful learning result.
- 5 Start the vehicle and drive continuously for over 10 minutes at a stable speed of 25 km/h (approx. 16 mph) or higher. Ensure the tire pressure warning light is off and the relearn process is complete.

NOTE

OBDII Relearn Procedure is the most stable way to recognize a new TPMS.

Stationary Relearn Procedure (Tools and Specific Techniques Required)

A stationary (sometimes called manual) relearn procedure allows new TPMS sensor IDs to be transferred to the vehicle's ECU without driving a vehicle. This type of relearn procedure requires a TPMS activation tool to trigger the sensors when the vehicle is in learn mode either by using a

TPMS diagnostic tool or diagnostic scan tool. The vehicle then uses an RF signal to communicate with the vehicle's ECU to establish which sensor is in which specific location.

For example, 2014 Ford Escape (with standard ignition) requires a Stationary Relearn Procedure:

- 1 Inflate all tires.
- 2 Turn off the ignition.
- 3 Press and release brake pedal.
- 4 Cycle ignition from 'off' to 'run' three times, ending in 'run'.
- 5 Horn sounds twice.
- 6 Use tool to activate left front sensor.
- 7 Single horn will sound.
- 8 Repeat for right front sensor, right rear sensor, left rear sensor.

CAUTIONS

Please note and follow all precautions and cautions in the installation instructions. If you do not have sufficient installation skills and knowledge, we recommend to have the TPMS sensor replaced at a tire repair store or a professional automotive repair store.

Incorrect installation may result in the vehicle's TPMS sensor not functioning properly and/or may result in damage to the TPMS sensor.