

## COMPONENT INFORMATION

Grommet: Replace with a new grommet every time the TPMS transmitter is removed or the tire is replaced. Do this even if there is no damage such as crack or break.

Valve Cap: Ensure to attach valve cap. Use genuine Pacific parts. Never use a metal cap.

Valve Core: Use only genuine Pacific parts. Ni-plated valve core.

Nut and Washer: Replace nut and washer with new genuine Pacific parts when TPMS transmitter is removed or tire is changed. Do not reuse nut and washer once tightened.

Flat Tire Sealant: After use of a flat tire sealant the TPMS transmitter should be replaced.

## TROUBLE SHOOTING

If the TPMS telltale  remains illuminated in your vehicle, perform the following diagnosis:

- 1.) Turn the vehicle ignition to the off position for at least 30 seconds.
- 2.) Start the vehicle and pay attention to the telltale. Is the telltale flashing or steady during the first 20 seconds of starting the vehicle?

- Telltale not flashing (underinflation):

One of your tires is underinflated. Check all tires, including the spare, to confirm the correct pressure.

Keep in mind that cold temperatures can lead to low pressure in a tire.

Make sure there is a good seal around the rim valve hole. Use soapy water to check for a leak around the seal area.

Refer to the original equipment manual to confirm any requirement to set the threshold for warning.

- Telltale is flashing (improper communication from transmitter to receiver):

Did you register the new ID numbers to the vehicle through the OBD II port?

Confirm the part number is the correct part for the specific make, model, and model year vehicle.

Using a trigger tool manufactured to interface with the specific part number for that make and model confirm transmission from TPMS transmitter.



Thank you for purchasing your Pacific Manufacturing Ohio, Inc. Tire Pressure Monitoring System (TPMS) Transmitter.

Your decision to purchase the original equipment manufacturers product ensures the best original equipment validated compatible product to match the original design of the sys-

## REGULATION

This device complies with part 15 of the FCC Rules and with RSS-210 of Industry Canada.

Operation is subject to the following two conditions:

- 1.) This device may not cause harmful interference, and
- 2.) this device must accept any interference received, including interference that may cause undesired operation.

## FCC WARNING

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

## INTRODUCTION

Read the manual carefully before installing this TPMS transmitter.

This TPMS transmitter is a replacement or maintenance part for motor vehicles that have a factory installed device.

This sensor transmitter requires professional installation. Keep this manual accessible.

## KEY POINTS

Each TPMS transmitter is designed and manufactured to operate in a specific motor vehicle make, model, and year. Only install the device designated for your vehicle.

Improper device installation may cause the motor vehicle TPMS System to fail to operate properly.

Failure to follow installation instructions may result in air leakage or other failures which might cause an accident or damage, or may result in the failure of the motor vehicles TPMS System.

If the Original Equipment wheels and/or tires are not used, the vehicle owner takes full responsibility on any problems of installation and/or operation of this device.

Do not install the device in damaged wheels and never modify the device.

## REMOVAL & INSTALLATION

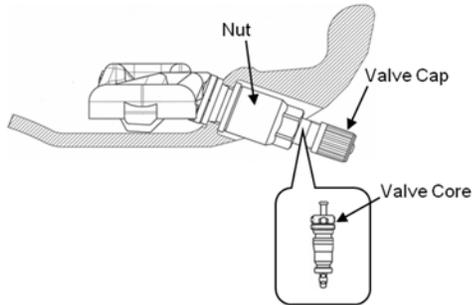
Always wear safety glasses and necessary protective coverings when working with the removal & installation of tire pressure monitors.

### Removal of TPMS transmitter:

Before disassembling the tire:

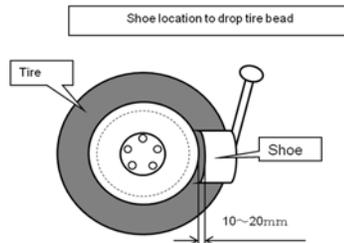
- 1.) Remove the valve cap from the TPMS transmitter
- 2.) Remove the valve core of the TPMS transmitter releasing all the air from the tire.
- 3.) Remove the nut which holds the TPMS transmitter into the rim.
- 4.) Drop the TPMS transmitter inside the tire.

CAUTION: If the tire bead is dropped while the transmitter is attached to the rim, the transmitter and/or tire can be damaged by interference between the transmitter and the tire.



### Tire Dismounting:

- 1.) Use a tire changer shoe (bead drop jig) to break the seal of the tire bead.
- 2.) Disassemble upper tire bead per normal procedures.
- 3.) Remove the TPMS transmitter from the tire.
- 4.) Disassemble lower tire bead per normal procedures.

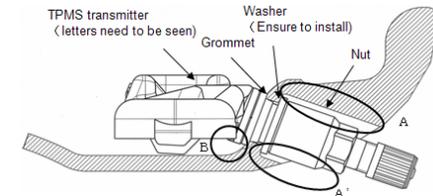


### Installing the TPMS Transmitter to the wheel:

- 1.) Ensure that there is no particle on the rubber grommet or around the valve rim hole area. Do not apply lubricant to grommet.
- 2.) Confirm that Rim A, A', nut, washer, nut tightening tool do not interfere.
- 3.) Confirm Rim B and TPMS transmitter does not interfere.
- 4.) Install TPMS transmitter as shown in the drawing below. Do not install upside down.
- 5.) Ensure that the washer is present on the outer side of the rim hole.

## REMOVAL & INSTALLATION (continued)

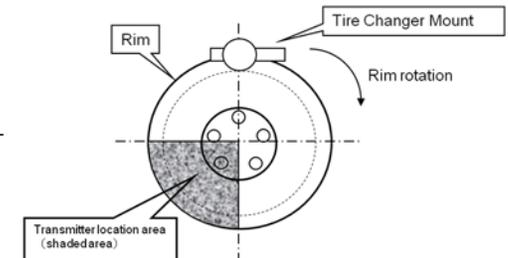
6.) Drive the nut onto the stem using the appropriate size hex for the nut that allows the nut to fully seat without interference with the stem. Tighten nut to  $4\pm 0.6\text{N}\cdot\text{m}$  (manual tightening equivalent) torque.



### Tire Mounting:

- 1.) Set the tire on tire changer after setting rim location so that the TPMS transmitter is setting in the location area as shown below.
- 2.) Apply tire lubricant on both sides of the tire bead. Always try to prevent lubricating the TPMS transmitter.
- 3.) Rotate the rim in the direction as shown and attach the lower bead of the tire to the rim.
- 4.) Rotate the rim in the direction as shown and attach the upper bead of the tire to the rim.

CAUTION: If assembled with TPMS transmitter outside this area, the transmitter can get damaged by contact with tire bead.



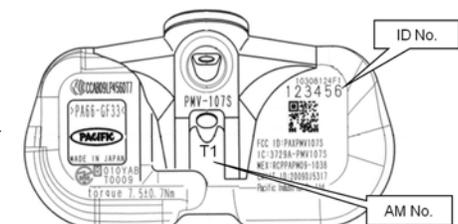
### Registration:

After installation, register ID, set alarm air pressure and test the motor vehicle TPMS using procedures described in the original manufacturer's service guide. Set alarm air pressure as needed.

If the system fails to operate properly, check all the installation procedures to ensure proper installation and retest.

Failure to properly install and ensure that the TPMS System is working properly can result in collision, severe injury, or death.

Note: TPMS works using an RF Frequency. During registration it is best to maintain a distance from electric noise to insure proper registration.



Registration ID and Aftermarket Identification