

# TPM-W204

## Tire Pressure Monitoring System

### User's Manual

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#### Introduction

*Tire-Safeguard* automatically monitors your vehicle tires, and will immediately alert you of abnormal tire pressure and/or temperature, providing a timely warning to you in order for you to take corrective action.

#### Sensor Installation



#### Tools Required:

- Tire changing equipment
- Tire balancing equipment
- Hexagon socket and driver
- Metal Cutter
- Torque wrench

- a) De-mount wheel from car and remove tire from wheel.
- b) Cut mounting band to appropriate length for the wheel. Remove burrs from the cut band end.

- c) Get correct sensor for the wheel, pass band through the two mounting hole on the lower part of the sensor.
- d) Wrap the band (with sensor) around the wheel base, insert band end into the band clamp, and then use a socket wrench to advance the worm-gear until the band is slightly pressing the wheel base.
- e) Adjust band to the lowest areas of the drop center well on the wheel. Move sensor to a position behind (but not touching) the valve. Make sure the sensor is resting on a flat surface.
- f) Using torque wrench tighten band to 30 inch pounds (4 N-m). The sensor should be pulled down tightly against the wheel base and should not be moveable.
- g) Cut off excessive band (left about 1 inch). Mount tire on wheel, balance wheel, and mount wheel back on car.
- h) After sensor installation, turn on vehicle power (but do not start the car). Inflate the tires to proper pressure. Observe that the display shows the pressure and temperature one at a time for all tires. Pressing the control button on the Display shows individual tire pressure and temperature.

### **Operation**

After installation, the system operates automatically and continuously. When vehicle power is turned on, the display will show the current tire pressure and temperature one-by-one from tire No.1 to No. 4. The display then turns off and only the status light remains lit. A green status light indicates normal pressure and temperature for all tires, otherwise the status light turns red (low tire pressure) or yellow (other warnings) and the corresponding tire indicator(s) and the warning icon(s) are illuminated.

### **Warnings**

Upon detection of abnormal tire pressure and/or temperature, the system will sound an 8-second alarm and display the warnings.

### **FCC Compliance**

This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.
- In order to maintain compliance with FCC regulations, shielded cables must be used with this equipment. Operation with non-approved equipment or unshielded cables is likely to result in interference to radio and TV reception. The user is cautioned that changes and modifications made to the equipment without the approval of manufacturer could void the user's authority to operate this equipment.

This device complies with Part 15 of the FCC Rules.  
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.