ORO TECHNOLOGY Tire Pressure Monitoring System AI Sensor Instruction Manual

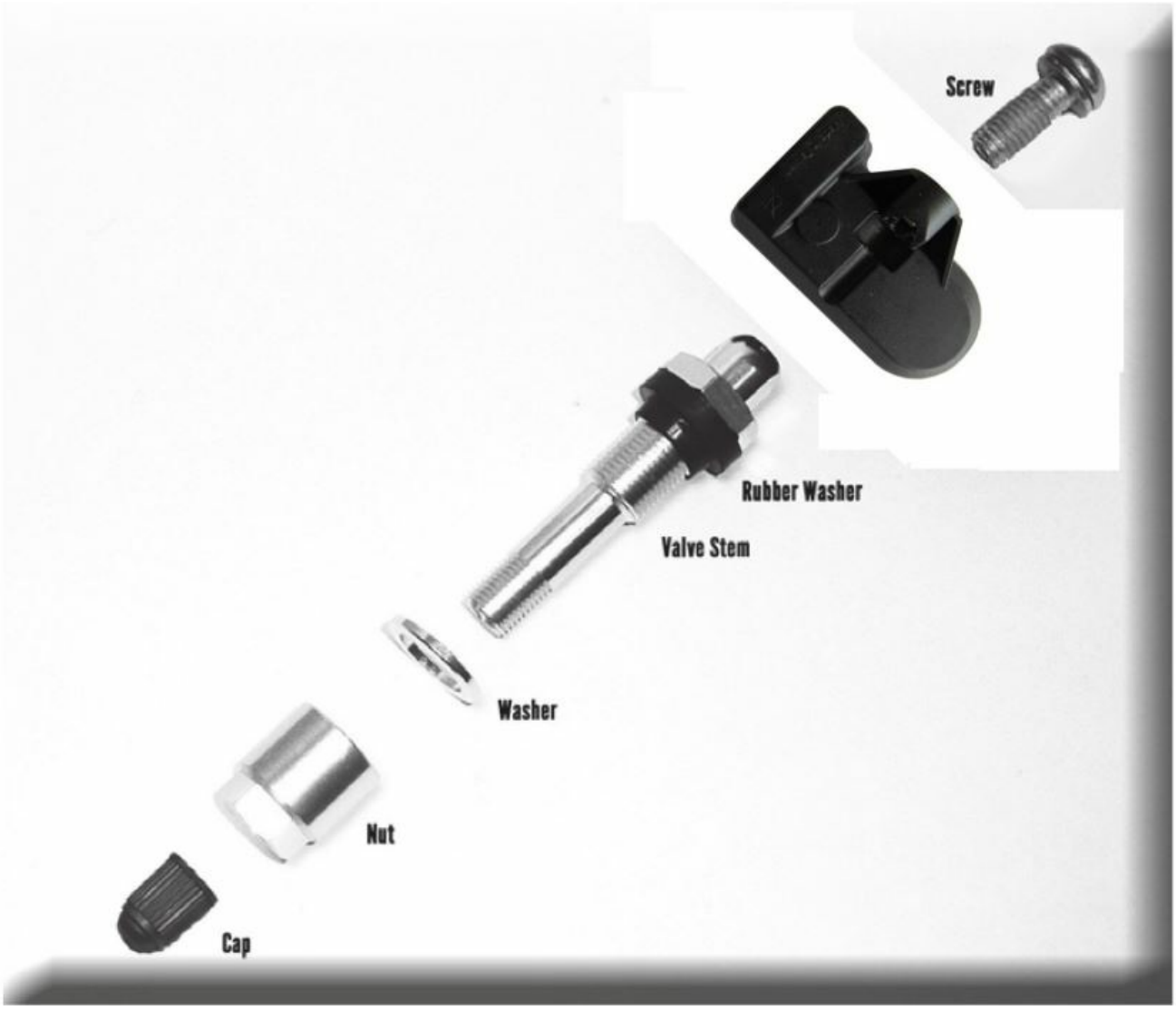
Contents

ORO TECHNOLOGY Tire Pressure Monitoring System AI Sensor

Read all instructions before installing. Refer to Mitchell Manual for installation specifications. Professional installation only. These Tire Pressure Monitor System Sensor assemblies are replacement or maintenance parts for motor vehicles that have a factory installed Tire Pressure Monitoring System (TPMS).

CAUTION:

- Each TPMS sensor is designed and manufactured to operate in a specific motor vehicle year, make, and model, using the proper frequencies to communicate with the motor vehicle TPMS system. Only install TPMS sensors designated for your specific motor vehicle year, make, and model. Improper installation will cause the motor vehicle TPMS to fail to operate properly.
- Do not install sensors in damaged wheels. Upon completion of installation, test the TPMS system using the procedures described in Mitchell 1 Manual to confirm proper installation. If the TPMS system fails to operate properly, check all installation procedures to ensure proper installation and retest. If the TPMS system continues to fail to operate, immediately consult with an authorized motor vehicle dealership.
- If the OEM equipment wheels or tires are not used, it is the responsibility of the vehicle owner to ensure that the TPMS system is functioning properly. The vehicle owner expressly assumes sole and complete responsibility for the TPMS and vehicle function if the OEM equipment wheels and tires are not used. Failure to ensure that the TPMS system is functioning properly can result in severe injury or death.



- If the sensor is removed or replaced, it is MANDATORY to replace the screw and rubber washer to ensure proper sealing.
- See assembly instructions on reverse side
- Safe Driving With ORO TPMS

Assembly Instructions

1. Install valve stem into the valve hole of the wheel

2. Put on washer
3. Install hexagonal nut into valve stem. Tighten the nut

4. Use wrench to hold valve stem and keep vertical while
5. Install sensor. Adjust the sensor to fit the drop well of the wheel. Use wrench to keep stem vertical then tighten. Tighten the screw until 2.2Nm (Recommended Final Torque Setting)

6. Finished

Transmitter Module Specification

Transmitter Module Specification	
Power Supply	3 V Lithium battery
Operating Humidity	Max 95%
Storage Temperature	-40 °C to 125 °C
Operation Temperature	-30 °C to 115 °C
Transmitting Power	68.44 dBuV/m @ 315MHz 74.88 dBuV/m @ 433.92MHz
Transmitting Frequency	315MHz or 433.92MHz
Pressure Monitoring Range	0 ~ 116 psi (or 0~800 kPa or 0~8 bar)
Pressure Reading Accuracy	±1 psi (or ±7 kPa ; ±0.1 bar)
Temperature Monitoring Range	-30 °C to 115 °C
Temperature Reading Accuracy	±3 °C
Module Weight	13.3 g ± 1g

FCC Notices

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.
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.

CAUTION:

- Any changes or modifications not expressly approved by the grantee of this device could void the user's authority to operate the equipment.
- RF exposure warning:
- The equipment complies with FCC RF exposure limits set forth for an uncontrolled environment.
- The equipment must not be co-located or operating in conjunction with any other antenna or transmitter.

Safe Driving With ORO TPMS
www.ore-technology.com

Documents / Resources

	ORO TECHNOLOGY Tire Pressure Monitoring System AI Sensor [pdf] Instruction Manual W55AISDB3N4, W55AISDB3N4, aisdb3n4, Tire Pressure Monitoring System AI Sensor, Tire Pressure Monitoring System, AI Sensor, Sensor