

## MOBILETRON NX-S073-SN-4

# MORESENSOR Signature Series 315MHz TPMS Tire Pressure Sensor User Manual

Model: **NX-S073-SN-4** | Brand: **MOBILETRON**

## INTRODUCTION

The MORESENSOR Signature Series 315MHz TPMS (Tire Pressure Monitoring System) Tire Pressure Sensor is designed as a direct OE replacement for various Korean brand models. These sensors are preprogrammed for ease of installation and are crucial for maintaining optimal tire pressure, enhancing vehicle safety, and improving fuel efficiency. This manual provides essential information for the proper installation, operation, and maintenance of your new TPMS sensors.



Figure 1: MORESENSOR Signature Series 315MHz TPMS Sensors (4-Pack)

## PRODUCT FEATURES

- **Relearn Ready:** Sensors are preprogrammed and ready to be paired with compatible vehicles.
- **Reprogrammable:** Can be reprogrammed or modified using tools like ATEQ VT56 and Mobiletron PT46/47.
- **Excellent Quality:** Designed for durability with an average battery life of 5-8 years (based on 10,000 miles/year).
- **Snap-in Style Valve Stem:** Features a durable rubber valve stem for flexible and secure installation.
- **IP67 Waterproof:** Ensures reliable performance in various weather conditions.

Figure 2: Key Features and Durability of MORESENSOR TPMS Sensors

## SETUP AND INSTALLATION

Proper installation and relearn procedures are essential for the correct functioning of your new TPMS sensors. While these sensors are pre-programmed, they still require a relearn process to communicate with your vehicle's TPMS system.

### Pre-Installation Checks

- **Verify Fitment:** Use the Amazon Part Finder or consult your vehicle's OEM part number to ensure compatibility.
- **Inspect Sensor:** Prior to installation, test and inspect the TPMS sensor. **DO NOT** attempt to install if the sensor cannot be read by a service scanner.

## Installation Procedure

1. Mount the new TPMS sensor securely onto the wheel rim. The snap-in design allows for flexible fitting with various rim types.
2. Install the tire onto the wheel, ensuring the sensor is not damaged during the process.
3. Inflate the tire to the manufacturer's recommended pressure.



Figure 3: Snap-in Installation of TPMS Sensor

## Relearn Procedure

After installation, all new sensors require a relearn procedure to pair with your vehicle's TPMS system. This process allows the vehicle to recognize the new sensors and display accurate tire pressure readings.

- Refer to your vehicle's owner's manual for specific standard relearn instructions.
- Some relearn methods may require a service scanner or activation tool (e.g., ATEQ VT56, Mobiletron PT46/47).
- **Important:** "Pre-programmed" does not mean the sensor will pair automatically. Manual relearn or tool-assisted relearn is typically required.



Figure 4: TPMS Learn Mode and Compatible Relearn Tools

## OPERATION

Once properly installed and relearned, your MORESENSOR TPMS sensors will continuously monitor your tire pressure and transmit data to your vehicle's onboard computer. If a tire's pressure falls below or rises above the recommended levels, the TPMS warning light on your dashboard will illuminate, alerting you to a potential issue. The sensors are designed for reliable performance in various driving conditions, including daily commuting, off-roading, and snow site camping, ensuring consistent tire pressure monitoring.



Figure 5: Sensor Application in Various Driving Conditions



Figure 6: Importance of Monitoring TPMS Warnings

## MAINTENANCE

MORESENSOR TPMS sensors are designed for long-term reliability. The average lifespan of the sensor battery is 5-8 years under normal driving conditions (approximately 10,000 miles per year). No specific user maintenance is required for

the sensors themselves, beyond ensuring proper installation and addressing any TPMS warnings promptly. Regularly check your tire pressure manually to ensure it aligns with your vehicle's recommendations, even if the TPMS light is not illuminated. This practice helps prolong the life of your tires and the TPMS sensors.



Figure 7: Sensor Lifespan and Battery Information

### TROUBLESHOOTING AND IMPORTANT INFORMATION

If your TPMS warning light remains on after sensor installation and relearn, or if you experience inconsistent readings, consider the following:

- **Relearn Process:** Double-check that the relearn procedure was performed correctly according to your vehicle's manual.
- **Sensor Compatibility:** Ensure the sensors are indeed compatible with your specific vehicle model and year.
- **Professional Assistance:** If issues persist, it is recommended to seek assistance from a qualified automotive technician. They can use specialized diagnostic tools to identify the root cause.



Figure 8: Important Considerations Before and After Installation

**Note:** Please read the user manual included in your sensor package to better understand how TPMS works, what to expect from service providers, and how to avoid unnecessary service/labor charges.

### SPECIFICATIONS

Attribute	Detail
Brand	MOBILETRON
Model	Signature Series
Item Weight	5.8 ounces
Product Dimensions	3 x 2 x 1 inches
Country of Origin	Taiwan
Manufacturer Part Number	CX-S073-SN-4
OEM Part Numbers	529332L500, 529332M000, 52933A5000

Attribute	Detail
Special Features	Can be programmed by ATEQ VT56, Snap-in Style Valve Stem, Reprogrammable, IP67 Waterproof
Date First Available	February 16, 2017

## COMPATIBILITY

The MORESENSOR Signature Series 315MHz TPMS Sensor (Model NX-S073-SN-4) is preprogrammed for select Korean brand models. Please verify compatibility with your vehicle using the OEM part number or by consulting your vehicle's manufacturer.

### Sensor Application (Examples)

- HYUNDAI Accent 2012-2013
- HYUNDAI Elantra Touring 2009-2013
- HYUNDAI Genesis Coupe 2010-2012
- HYUNDAI Sonata 2011-2012
- KIA Forte 2010-2013
- KIA Optima 2011-2013
- KIA Sorento 2011-2013
- KIA Soul 2010-2013



Figure 9: Partial List of Compatible Vehicle Models





For comprehensive compatibility questions, please contact MORESENSOR customer support.

## WARRANTY AND SUPPORT

The MORESENSOR Signature Series TPMS sensors come with a**3-Year Limited Warranty**. This warranty covers defects in materials and workmanship. For more information regarding warranty claims or technical support, please consult the contact information provided in your product packaging or visit the official MOBILETRON/MORESENSOR website.

For additional resources and product information, you may visit the[MOBILETRON Store on Amazon](#).



	<p><a href="#">Mobiletron TX-PT004 TPMS Programming Tool User Manual</a></p> <p>User manual for the Mobiletron TX-PT004 TPMS programming tool. Learn how to use the device, program MORESENSOR, view specifications, and understand FCC compliance. Features Bluetooth connectivity and app control.</p>
<p>Tire Pressure Monitoring System User Manual Model: THC03 &amp; THE01</p>	<p><a href="#">Mobiletron Tire Pressure Monitoring System User Manual (THC03 &amp; THE01)</a></p> <p>Official user manual for Mobiletron Tire Pressure Monitoring System (TPMS) models THC03 and THE01. Provides comprehensive guidance on installation, setup, operation, alarms, and technical specifications for trucks and buses.</p>
	<p><a href="#">Mobiletron PT46 TPMS Tool User Guide</a></p> <p>Comprehensive user guide for the Mobiletron PT46 TPMS Tool, detailing specifications, operation, settings, troubleshooting, safety information, and warranty for automotive technicians.</p>
	<p><a href="#">TPMS TX-V003/TX-V004 User's Manual and Specifications</a></p> <p>User's manual and technical specifications for Mobiletron TPMS models TX-V003 and TX-V004, including installation steps and FCC compliance information.</p>
	<p><a href="#">Mobiletron TPMS TX-K001 FCC Part 15 Subpart C Test Report</a></p> <p>This report details the compliance testing of the Mobiletron TPMS, model TX-K001, under FCC Part 15 Subpart C regulations. It includes conducted and radiated emission tests, bandwidth measurements, and duty cycle analysis.</p>