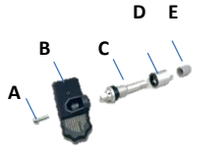
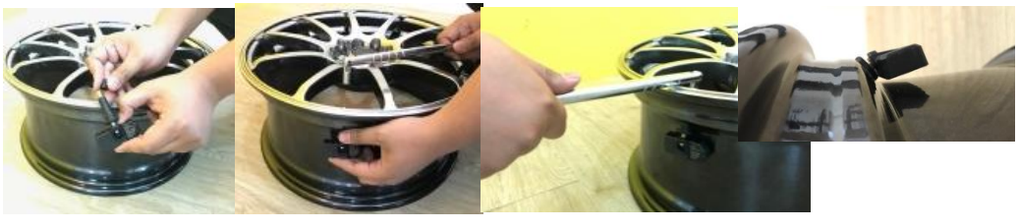
Installation Guides

Programmable/OE Replacements
TIY-081003 433MHz Sensor



A. TPMS sensor screw
B. TPMS sensor body (installed inside wheel)
C. TPMS metal valve stem (rubber washer, valve core assembled)
D. TPMS sensor nut (installed outside wheel)
E. TPMS sensor cap



F. TPMS sensor screw
G. TPMS sensor body (installed inside wheel)
H. TPMS rubber valve stem (valve core assembled)
I. TPMS sensor cap

Installation of TYC TPMS Sensor with metal valves

1. Remove any corrosion or dirt on valve stem hole in rim. Ensure there is a clean smooth surface for the fitting of TYC sensor rubber washer, sensor valve stem, and sensor nut to the rim.
2. Remove TYC sensor cap and nut from sensor valve stem, then hold the TYC sensor body and put the valve stem through inside of rim by hand.
3. Press TYC sensor body onto the inner rim, and use the torque wrench to tighten the TYC sensor to 4.0 Newton-meters or 35.4 Inch-pounds.
4. The housing must not have any contact with the rim; this ensures the proper mounting of the sensor and valve.
5. When mounting the tire, be aware the sensor must not be pinched between the bead and the rim; ensure the tire bead lubricant does not cover the sensor's pressure port. Then inflate tire until both beads are securely in place and to recommended pressure.
6. TYC sensors must be configured with an appropriate TPMS programming tool before use. Without configuration, the TYC sensor will not be activated.
7. Conduct the specified relearn procedure according to the instructions manual of the vehicle or the TPMS diagnostic tool. Possible relearn procedures:
   -Automatic relearn
   -Manual relearn
   -Relearn via OBDII interface

Installation of TYC TPMS Sensor with rubber valves

1. Lubricate the rubber valve with tire bead lubricant, and make sure the sensor is not coated by tire bead lubricant.
2. Insert the rubber valve through the hole from inside of the rim using an appropriate tool.
3. Ensure the valve is pulled vertically through the hole of the rim and the sensor is not tilted. Must check the correct fitment of the rubber valve upon completion of mounting process.
4. The housing must not have any contact with the rim; this ensures the proper mounting of the sensor and valve.
5. When mounting the tire, be aware the sensor must not be pinched between the bead and the rim; ensure the tire bead lubricant does not cover the sensor's pressure port. Then inflate tire until both beads are securely in place and to recommended pressure.
6. TYC sensors must be configured with an appropriate TPMS programming tool before use. Without configuration, the TYC sensor will not be activated.
8. Conduct the specified relearn procedure according to the instructions manual of the vehicle or the TPMS diagnostic tool. Possible relearn procedures:
   -Automatic relearn
   -Manual relearn
   -Relearn via OBDII interface

FCC CAUTION

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 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.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance 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.

WARNING

TYC Tire Pressure Sensors and Valves are for professional installation only.
Read all instructions, warnings carefully, and review all illustrations before installing. Tire Pressure Monitoring System (TPMS) assemblies are replacement or maintenance parts for motor vehicles that have factory installed TPMS only. Failure to follow installation instructions may result in the failure of the motor vehicle TPMS sensor to operate properly. TYC does not assume any liability in case of faulty installation.

FAILURE TO FOLLOW INSTALLATION INSTRUCTION CAN CAUSE THE TYC TIRE PRESSURE SENSORS TO MALFUNCTION, WHICH CAN CAUSE PROPERTY DAMAGE, SERIOUS INJURY AND EVEN DEATH.

CAUTION

- Each TYC sensor is designed and manufactured to operate in blank at initial status
- Use the proper frequencies to communicate with the motor vehicle TPM System
- Be sure to configure TYC sensor with appropriate programming tool before use.
- Follow the installation instructions for TYC Tire Pressure Sensors.
- The valve must be replaced during every tire change.
- Do not install TPMS in damaged wheels.
- TYC sensor is using fixed valve angle, avoid sensor housing have any contact with the rim.
- When installing with rubber valve, do not coat the sensor with tire bead lubricant.
- Upon completion of installation, test the motor vehicle TPM System with procedures described in original manufacturer's service manual.
- If the TPM System fails to operate properly, check all installation procedures to ensure proper installation and retest.
- If the TPM System continues to fail to operate, immediately consult with an authorized motor vehicle dealership.
- TYC TPMS sensor assemblies are designed to operate in Original Equipment wheels and tires only.

TYC GENERA
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Tel: (714) 203-0800
Tech. Support
Tel:
Email:
http://www.tycusa.com/

TYC WARRANTY and WARRANTY LIMITATIONS

All products sold are warranted against defects in workmanship and material under normal use and service for a period of 3 years from the date of sale to distributors. TYC will either repair or replace any product which fails within this period at no cost to customers. This warranty does not include any accident, modification, misuse or abuse to this product and the limited obligations will hereunder be void. THIS IS THE SOLE AND EXCLUSIVE WARRANTY AND LIABILITY TO CUSTOMER. TYC GENERA DISCLAIMS ANY OTHER WARRANTY INCLUDING THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR PURPOSE FOR OTHER IMPLIED OR EXPRESS WARRANTIES. UNDER NO CIRCUMSTANCES SHALL TYC BE LIABLE TO CUSTOMER FOR ANY OTHER AMOUNTS INCLUDING LABOR CHARGES FOR INSTALLATION OF PRODUCTS NOR SHALL TYC BE LIABLE UNDER ANY THEORY FOR ANY OTHER DAMAGES INCLUDING BUT NOT LIMITED TO DIRECT, INDIRECT, SPECIAL, CONSEQUENTIAL AND INCIDENTAL DAMAGES.

IMPORTANT WARRANTY INFORMATION

Professional installer: when replacing an entire TYC Sensor assembly, please complete the following warranty information giving one copy to the customer and send the duplicate copy to the indicated address.

CUSTOMER TYC TPMS SENSOR INFORMATION CARD (Please keep in motor vehicle glove box)
Sensor Installation Date: (M)_____ /(D)_____/(Y)_____ Professional Installer name: _____Place of Repair: _____Address: _____
Phone: _____Vehicle Owner Name: _____Address: _____

MOTOR VEHICLE INFORMATION
Maker: _____Model: _____
Year: _____VIN Number: _____
Sensor ID (__digit marked on housing):_____

----------(Tear here)----------

IMPORTANT WARRANTY INFORMATION

To activate warranty, please complete the following section and send to:

TPMS Sensor Warranty TYC GENERA • 2800 Saturn Street, Brea, CA 92821

Sensor Installation Date: (M)_____/(D)_____/(Y)_____Professional Installer name: _____Place of Repair: _____Address: _____Phone: _____

Vehicle Owner Name: _____Address: _____

MOTOR VEHICLE INFORMATION

Maker: _____Model: _____Year: _____VIN Number: _____Mileage: _____Sensor ID (__digit marked on housing): _____Part number of sensor being replaced (take from old sensor housing): _____

◆第十二條→經型式認證合格之低功率射頻電機，非經許可，公司，商號或使用者均不得擅自變更頻率、加大功率或變更原設計之特性及功能。

◆第十四條→低功率射頻電機之使用不得影響飛航安全及干擾合法通信；經發現有干擾現象時，應立即停用，並改善至無干擾時方得繼續使用。

前項合法通信，指依電信法規定作業之無線電通信。 低功率射頻電機須忍受合法通信或工業、科學及醫療用電波輻射性電機設備之干擾。