

PRE-PROGRAMMED UNIVERSAL TPMS SENSOR



1 Sensor-PL (Metal Valve Stem)

NOTE:

- Autel 1 Sensor-PL is pre-programmed for the majority of European vehicles such as Mercedes-Benz, BMW, Audi, Volkswagen, Peugeot, Citroen, Fiat, and Porsche, and is 100% programmable for all supported vehicles.
- The sensor is not designed for use on vehicles driving in racing competition. Ensure vehicles with sensor installed maintain speeds below 300km/h (188mph).

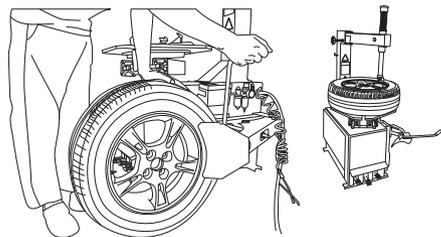
INSTALLATION GUIDE

IMPORTANT: Before operating or maintaining this unit, please read these instructions carefully and pay extra attention to the safety warnings and precautions. Use this unit correctly and with care. Failure to do so may cause damage and/or personal injury and will void the warranty.

1 Loosening the tire

Remove the valve cap and core, and deflate the tire. Use the bead loosener to unseat the tire bead.

CAUTION: The bead loosener must be facing the valve.



SAFETY INSTRUCTIONS

Before installing the sensor, read the installation and safety instructions carefully. For reasons of safety and for optimal operation, we recommend that any maintenance and repair work be carried out by trained experts only, and in accordance with the guidelines of the vehicle manufacturer. The valves are safety-relevant parts which are intended for professional installation only. Failure to install properly may result in the failure of the TPMS sensor. AUTEL does not assume any liability in the case of faulty or incorrect installation of the product.

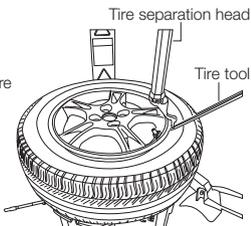
CAUTION

- The TPMS sensor assemblies are replacement or maintenance parts for vehicles with factory installed TPMS.
- Do not install TPMS sensors in damaged wheels.
- In order to guarantee optimal function, the sensors may only be installed with original valves and accessories provided by AUTEL.
- Upon completing the installation, test the vehicle's TPMS following the procedures described in the original manufacturer's user guide to confirm proper installation.

2 Dismounting the tire

Clamp the tire onto the tire changer, and adjust the valve at one o'clock relative to the tire separation head. Insert the tire tool and lift the tire bead onto the mounting head to dismount the bead.

CAUTION: This starting position must be observed during the whole dismounting process.



3 Dismounting the sensor

Remove the cap, screw nut and washer from the valve stem, and then remove the sensor assembly from the rim.



WARRANTY

AUTEL guarantees that the sensor is free from material and manufacturing defects for a period of twenty-four (24) months or for 25,000 miles, whichever comes first. AUTEL will at its discretion replace any merchandise during the warranty period. The warranty shall be void if any of the following case occurs:

1. Improper installation of products
2. Improper usage
3. Induction of defect by other products
4. Mishandling of products
5. Incorrect application
6. Damage due to collision or tire failure
7. Damage due to racing or competition
8. Exceeding specific limits of the product

CUSTOMER & TECH SUPPORT

- ☎ 1-855-288-3587 (US)
0049 (0) 61032000522 (EU)
0086-755-86147779 (CN)
- ✉ sales@autel.com | supportpms@auteltech.com
- 🌐 www.autel.com | www.maxitpms.com

4 Mounting sensor and valve

- Step 1. Firmly connect the valve stem and the sensor body. Note: ensure the assembly will not fall apart.
- Step 2. Remove the cap, screw nut, and washer from the valve stem one by one.
- Step 3. Slide the valve stem through the valve hole of the rim with the sensor on the inside of the rim, assemble the two parts back on the stem in the order of washer and screw nut.
- Step 4. Tighten the screw nut (4.0N·m) with the help of the fixed rod, then tighten the cap back on the stem.

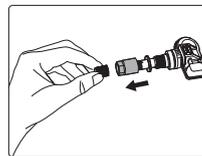
WARNING: It's mandatory to use the fixed rod to install the clamp-in 1 Sensor-PL, else some unknown damage will be caused. The washer, screw nut, and cap should be located outside of the rim.

Step 1

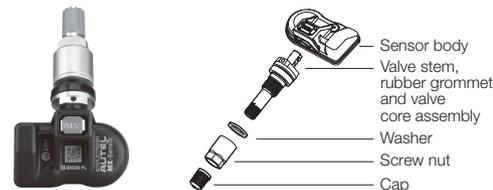
Please ensure the sensor body and valve stem are firmly connected.



Step 2



EXPLODED VIEW OF SENSOR



Sensor Specifications

Weight of sensor without valve	12g
Dimensions	approximately 42.2*27.9*17.4mm
Maximum pressure range	800kPa

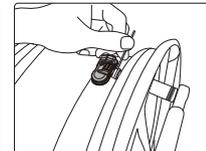
CAUTION: Each time a tire is serviced or dismantled, or if the sensor is removed or replaced, it is mandatory to replace with Autel manufactured or delivered rubber grommet, washer, screw nut and valve core in order to ensure proper sealing.

It is mandatory to replace the sensor if it is externally damaged. Correct sensor nut torque: 4 Newton-meters.

Step 3



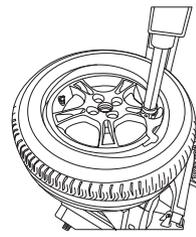
Step 4



5 Mounting the tire

Place the tire on the rim, make sure that the valve faces the separation head at an angle of 180°. Mount the tire over the rim.

CAUTION: The tire should be mounted to the wheel according to the instructions of the tire changer manufacturer.



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PRE-PROGRAMMED UNIVERSAL TPMS SENSOR



1 Sensor-PL (Rubber Valve Stem)

NOTE:

- Autel 1 Sensor-PL is pre-programmed for the majority of European vehicles such as Mercedes-Benz, BMW, Audi, Volkswagen, Peugeot, Citroen, Fiat, and Porsche, and is 100% programmable for all supported vehicles.
- The sensor is not designed for use on vehicles driving in racing competition. Ensure vehicles with sensor installed maintain speeds below 210km/h (130mph).

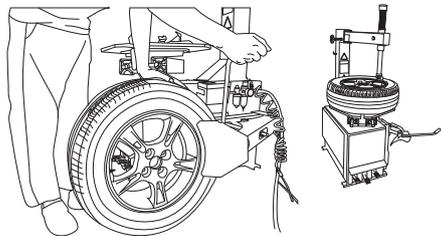
INSTALLATION GUIDE

IMPORTANT: Before operating or maintaining this unit, please read these instructions carefully and pay extra attention to the safety warnings and precautions. Use this unit correctly and with care. Failure to do so may cause damage and/or personal injury and will void the warranty.

1 Loosening the tire

Remove the valve cap and core, and deflate the tire. Use the bead loosener to unseat the tire bead.

CAUTION: The bead loosener must be facing the valve.



SAFETY INSTRUCTIONS

Before installing the sensor, read the installation and safety instructions carefully. For reasons of safety and for optimal operation, we recommend that any maintenance and repair work be carried out by trained experts only, and in accordance with the guidelines of the vehicle manufacturer. The valves are safety-relevant parts which are intended for professional installation only. Failure to install properly may result in the failure of the TPMS sensor. AUTEL does not assume any liability in the case of faulty or incorrect installation of the product.

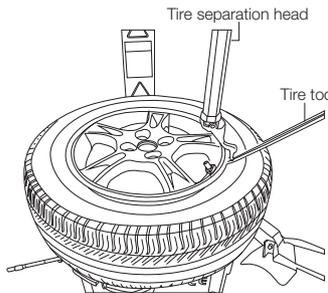
CAUTION

- The TPMS sensor assemblies are replacement or maintenance parts for vehicles with factory installed TPMS.
- Do not install TPMS sensors in damaged wheels.
- In order to guarantee optimal function, the sensors may only be installed with original valves and accessories provided by AUTEL.
- Upon completing the installation, test the vehicle's TPMS following the procedures described in the original manufacturer's user guide to confirm proper installation.

2 Dismounting the tire

Clamp the tire onto the tire changer, and adjust the valve at one o'clock relative to the tire separation head. Insert the tire tool and lift the tire bead onto the mounting head to dismount the bead.

CAUTION: This starting position must be observed during the whole dismounting process.



WARRANTY

AUTEL guarantees that the sensor is free from material and manufacturing defects for a period of twenty-four (24) months or for 25,000 miles, whichever comes first. AUTEL will at its discretion replace any merchandise during the warranty period. The warranty shall be void if any of the following case occurs:

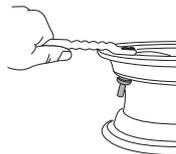
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3 Dismounting the sensor

Depress the **Press** button on the sensor body, carefully pull the sensor body straight back off the valve. Cut the rubber bulb and attach a standard TTV pull in tool to the valve. Remove the valve from the rim by pulling through the rim.



4 Mounting sensor and valve

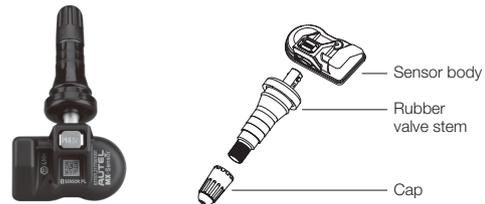
- Apply tire soap or lube solution to the rubber valve stem.
- Line the sensor up with the rim hole and attach a standard TTV pull in tool to the end of the valve.
- Pull the valve stem straight through the valve hole. Check that the rubber bulb of the valve is resting against the rim, then assemble the cap back on the stem.

CAUTION: The valve and rim hole should be concentric.

Please ensure the sensor body and valve stem are firmly connected.



EXPLODED VIEW OF SENSOR



Sensor Specifications

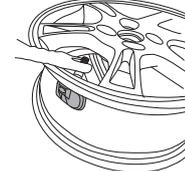
Weight of sensor without valve	12g
Dimensions	approximately 42.2*27.9*17.4mm
Maximum pressure range	800kPa

CAUTION: Each time a tire is serviced or dismantled, or if the sensor is removed or replaced, it is mandatory to replace with Autel manufactured or delivered rubber valve stem and the plastic cap in order to ensure proper sealing. Please avoid extreme temperatures.

Step 2



Step 3



5 Mounting the tire

Place the tire on the rim, make sure that the valve faces the separation head at an angle of 180°. Mount the tire over the rim.

CAUTION: The tire should be mounted to the wheel according to the instructions of the tire changer manufacturer.

