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PROGRAMMABLE BLE TPMS SENSOR MX-SENSOR

2.4 GHz Metal Valve (Screw-in)

Take BLE-A001 sensor as an example in this manual.

CAUTION: Do Not race with the vehicle on which the Clamp-in MX-Sensor is mounted, and always keep the drive speed under 240 km/h.

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 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

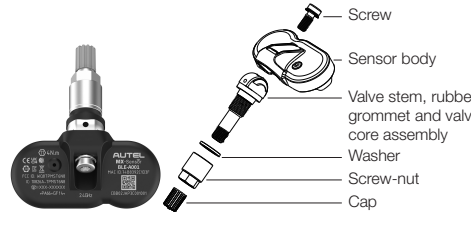
SAFETY INSTRUCTIONS

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, in accordance with the guidelines of the vehicle manufacturer. The valves are safety-relevant parts which are intended for professional installation only. Failure to do so may result in the failure of the TPMS sensor. AUTEL does not assume any liability in 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.
- Make sure to program the sensors by AUTEL sensor programming tools by the specific vehicle make, model and year before installation.
- Do not install programmed 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.

EXPLODED VIEW OF SENSOR



Technical data of the sensor

Weight of sensor without valve	23.8 g
Dimensions	approx. 63.6 x 33.5 x 22.62 mm
Max. pressure range	800 kPa

CAUTION: Each time a tire is serviced or dismounted, or if the sensor is removed or replaced, it is mandatory to replace the rubber grommet, washer, nut and valve core with our parts to ensure proper sealing.
It is mandatory to replace the sensor if it is externally damaged.
Correct sensor nut torque: 4 Newton-meters.

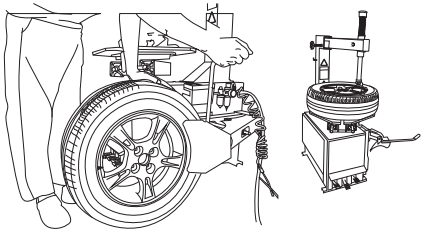
INSTALLATION GUIDE

⚠ 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.

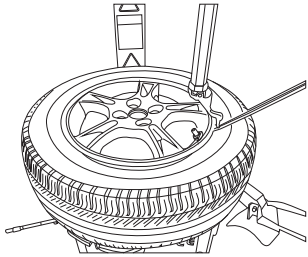
⚠ CAUTION: The bead loosener must be facing the valve.



2 Dismounting the tire

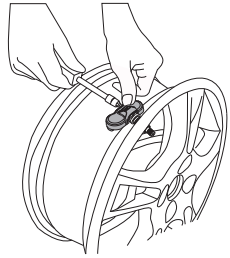
Clamp the tire onto the tire changer, and adjust the valve at 1 o'clock relative to the tire separation head. Insert the tire tool and lift the tire bead onto the mounting head to dismount the bead.

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



3 Dismounting the sensor

Remove the fastening screw and the sensor from the valve stem with a screwdriver, and then loosen the nut to remove the valve.



4 Mounting sensor and valve

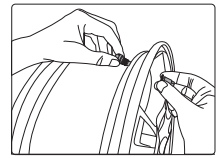
Step 1 Slide the valve stem through the valve hole of the rim.

Step 2 Tighten the screw-nut with 4.0 N·m with the help of the fixed rod.

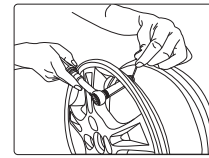
Step 3 Adjust the installation angle so that the sensor fits the rim tightly, and then tighten the screw.

Step 4 The sensor and valve are now installed.

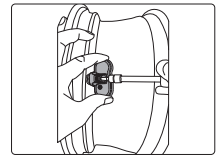
Step 1



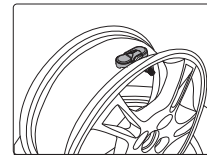
Step 2



Step 3



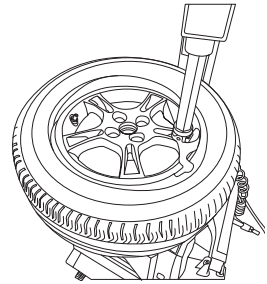
Step 4



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 using tire changer manufacturer's instructions.



FCC STATEMENT :

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: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: 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.

RF warning statement:

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.

- **English:** "
This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions:
(1) this device may not cause interference, and
(2) this device must accept any interference, including interference that may cause undesired operation of the device."

- **French:"**
Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :
(1) l'appareil nedoit pas produire de brouillage, et
(2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement."