

AUTEL

MX-sensor

PROGRAMMABLE UNIVERSAL TPMS

1 SENSOR

COMBINE BOTH FREQUENCY

315 MHz + 433 MHz

SINGLE SKU INVENTORY PROVIDES 98% VEHICLE COVERAGE

ONLY 1-SKU TYPE

315 MHz + 433 MHz

1 SENSOR

COMBINE BOTH FREQUENCY



UNIVERSAL TPMS

98%

VEHICLE
COVERAGE

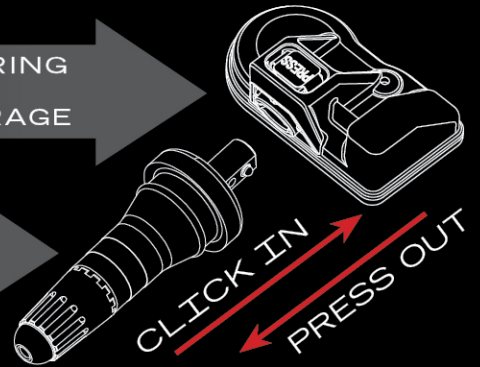
SENSORS UPDATE DURING
INSTALLATION FOR
LATEST VEHICLE COVERAGE

EXCLUSIVE

PRESS

RUBBER / METAL
INTERCHANGEABLE
VALVE STEMS

PRESS RELEASE VALVE
Interchange by hand, without a fitting tool



COMPLETE TPMS COVERAGE IN ONE SENSOR

1 SENSOR FEATURES & BENEFITS

PRESS RELEASE

Exclusive press release valve provides the interchangeable rubber & metal valve stems easy removal and replacement by hand without a tool.

QUALITY CONTROL

Tested & certified to meet SAE standards. Series numbers provide quality control ensuring only high quality parts are used and guaranteed defect free.

98% COVERAGE

Programmable 1-Sensor updates during installation for current coverage and service nearly every TPMS-equipped vehicle.

MAX SIGNAL STRENGTH

Maximum sensor signal strength to program up to 16 sensors wirelessly including sensors already mounted on the wheel.



LOWER WEIGHT

12g Lower MX-Sensor weight is significantly lighter than most sensors ensuring greater security and stability for durable use.

BATTERY RELIABILITY

Superior sensor battery power provides maximum sensor life, longer than most sensors ensuring greater replacement value.

1-SKU LOWER INVENTORY

Both 315MHz + 433MHz frequencies combined in 1-Sensor head. Save money with improved efficiency and reduced inventory.

COMPLETE TPMS SOLUTION

ONLY MANUFACTURER TO PRODUCE BOTH TPMS TOOLS & SENSORS

COMPLETE TPMS FROM ONE MANUFACTURER

- MOST CURRENT VEHICLE COVERAGE
- MORE COMPATIBLE TOOLS & SENSORS
- EASIEST TO USE TOOL NAVIGATION
- QUICKER TPMS REPAIRS & SERVICE



MS906TS

COMPLETE TPMS + DIAGNOSTICS

TS508

COMPLETE TPMS

TS608

COMPLETE TPMS + ALL SERVICE

PART#

DESCRIPTION

1-SENSOR

Dual Frequency Sensor Head Unit, 1-Valve Stem, Installation Guide

AUTEL INTRODUCES TPMS SENSOR INNOVATION

MX-SENSOR VALVE KIT

Autel introduces new MX-Sensor with interchangeable rubber and metal valves to replace 98% of OE sensors with only 2-SKU types. The exclusive patented Press design allows rubber valve and metal valve to be interchangeable by hand, which minimizes installation time and provides a quick and simple assembly.

SENSOR NOT INCLUDED

PRESS OUT

CLICK IN

PRESS

CLICK IN & PRESS OUT

CLICK IN

PRESS OUT

SENSOR NOT INCLUDED

RUBBER

METAL

ONLY 2-SKU TYPES

INTERCHANGEABLE METAL VALVE & RUBBER VALVE

PACKAGED AS A GROUP OF **4**

MX-SENSOR COMPONENT KIT

The MX-Sensor Component Kit includes everything you need for MX-Sensor rubber and metal valve parts.

Metal Valve Component Kit - Screw Nut	2x10 pcs
Metal Valve Component Kit - Washer	2x10 pcs
Metal Valve Component Kit - Screw Nut	2x10 pcs
Metal Valve Component Kit - Cap	2x10 pcs
Rubber Valve Component Kit - Cap	2x10 pcs
Metal/Rubber Valve Component Kit - Valve Core	2x10 pcs
Rubber Valve	4x1 pcs
Metal Valve	4x1 pcs

AUTEL®

PROGRAMMABLE UNIVERSAL TPMS SENSOR MX-SENSOR



1-Sensor Metal Valve (Press-in)

⚠ CAUTION:

- Autel MX-Sensors arrive blank and must be programmed with Autel TPMS tool, which recommended to program prior to installation.
- Do not race with the vehicle on which the Clamp-in MX-Sensor is mounted, and always keep the drive speed under 240km/h.

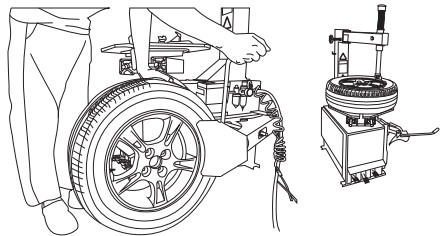
INSTALLATION GUIDE

⚠ 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, 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

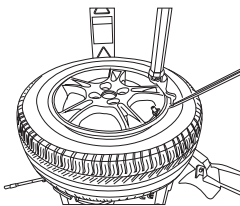
- The TPMS sensor assemblies are replacement or maintenance parts for vehicles with factory installed TPMS.
- Make sure to program the sensors by AUTEL sensor programming tools by the specific vehicle make, model and year before installation.
- Do not install programmed TPMS sensors in damaged wheels.
- 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.

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.

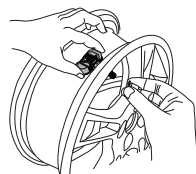
⚠ CAUTION:

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



3 Dismounting the sensor

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



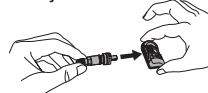
4 Mounting sensor and valve

- 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, screw nut.
- Step 4. Tighten the screw nut with 4.0N-m with the help of the fixed rod, then assemble the cap back on the stem.

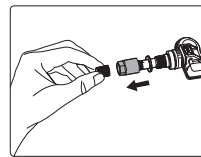
⚠ WARNING: It's mandatory to use the fixed rod to install the clamp-in MX-Sensor, else some unknown damages will be caused. The washer, screw nut, and cap should be located outside of the rim.

Step 1

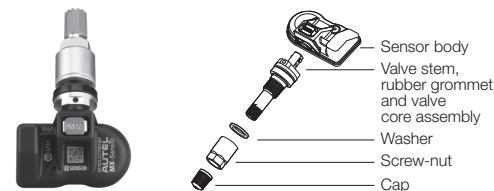
Please ensure the sensor body and valve stem are firmly connected.



Step 2



EXPLODED VIEW OF SENSOR

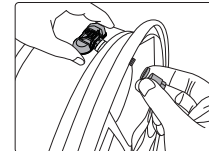


Technical data of the sensor

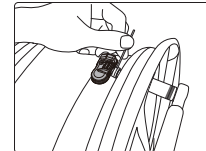
Weight of sensor without valve	12 g
Dimensions	approx. 42.2*27.9*17.4mm
Max. pressure range	800 kPa

⚠ CAUTION: Each time a tire is serviced or dismantled, 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.

Step 3



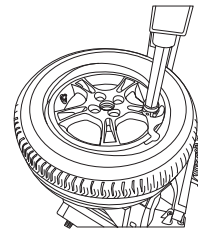
Step 4



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.



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PROGRAMMABLE UNIVERSAL TPMS SENSOR MX-SENSOR



1-Sensor Rubber Valve (Press-in)

⚠ CAUTION:

- Autel MX-Sensors arrive blank and must be programmed with Autel TPMS tool, which recommended to program prior to installation.
- Do not race with the vehicle on which the Snap-in MX-Sensor is mounted, and always keep the drive speed under 210km/h.

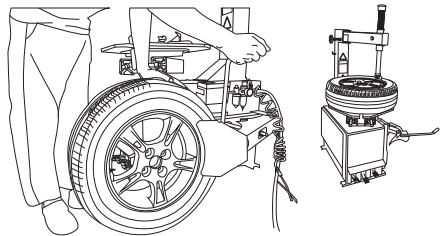
INSTALLATION GUIDE

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1 Loosening the tire

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

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SAFETY INSTRUCTIONS

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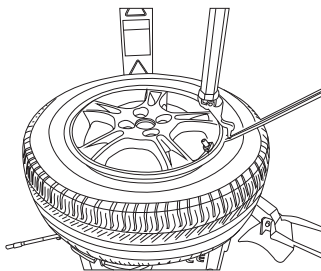
⚠ CAUTION

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- Make sure to program the sensors by AUTEL sensor programming tools by the specific vehicle make, model and year before installation.
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- In order to guarantee optimal function, the sensors may only be installed with original valves and accessories provided by AUTEL.
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2 Dismounting the tire

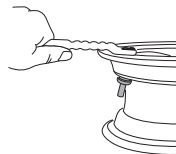
Clamp the tire onto the tire changer, and adjust the valve at 1 o'clock relative to the tire separation head. Insert the tire tool and lift the tire bead onto the mounting head to dismount the bead.

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



3 Dismounting the sensor

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 tool to the valve. Remove the valve from the rim by pulling through the rim.



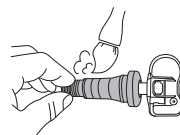
4 Mounting sensor and valve

Step 1. Apply tire soap or lube solution to the rubber valve stem.
Step 2. Line the sensor up with rim hole and attach a standard TTV pull in tool to the end of the valve.
Step 3. Pull the valve stem straight through the valve hole. Note the rubber bulb of the valve resting against the rim, then assemble the cap back on the stem.

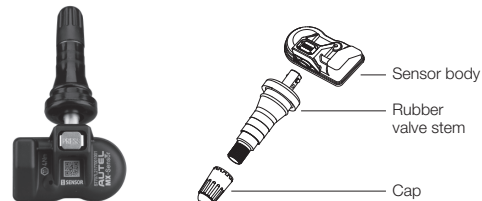
⚠ CAUTION:
The valve and rim hole should be concentric.

Step 1

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



EXPLODED VIEW OF SENSOR



Technical data of the sensor

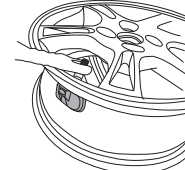
Weight of sensor without valve	12 g
Dimensions	approx. 42.2*27.9*17.4mm
Max. pressure range	800 kPa

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

Step 2



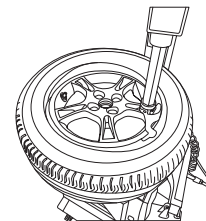
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Learn more about TPMS Sensors on our website.