User Manual

Tire-Pressure Sensor

Shenzhen Xtooltech Intelligent CO., LTD.

CATALOGUE

1、Disclaimer

Please read this manual carefully before installing this universal tire-pressure sensor (hereafter referred to as "the sensor"). For safety reasons, all installation and maintenance operations should be carried out by trained professionals, with the guidance of the vehicle manufacturer. Tire valves are vehicle safety-related components, and incorrect installation may cause malfunctions for tire valves or TPMS sensors. Xtooltech does not assume any liability in case of incorrect installation of the product. Pictures illustrated here are for reference only and this user manual is subject to change without prior notice.

2、Warranty

This sensor is guaranteed to be free from material or manufacturing defects for a period of 24 months or 40,000km (25,000 miles), whichever comes first. In case of defects caused by material or workmanship, Xtooltech will repair or replace the product or parts for free upon inspection of the proof of purchase.

Xtooltech is not responsible for defects caused in the following circumstances:

- Incorrect installation;
- Irregular usage;
- Damage caused by collision or tire damage;
- Exceeding specific usage limits of the product.

3、Warning

- Make sure the sensor has been programmed before use. We strongly recommend programming the sensor before installing tires.
- Do not install a programmed sensor inside a broken or damaged wheel.
- To ensure the best performance, do not install valve stems or other parts from different manufacturers that are not included with this Xtooltech sensor.
- After installation is complete, test the TPMS system according to the guidance in the original vehicle manufacturer's user manual to confirm that the sensor is installed correctly.
- When a tire is removed, it is highly recommended to replace or service the sensor. If the tire uses a rubber valve, the valve stem must be replaced.

- When driving vehicles with this sensor installed, the vehicle speed should not exceed 240km/h (150mph) and the tire pressure should not be higher than 900 kPa (9.0 bar or 130.5 psi).

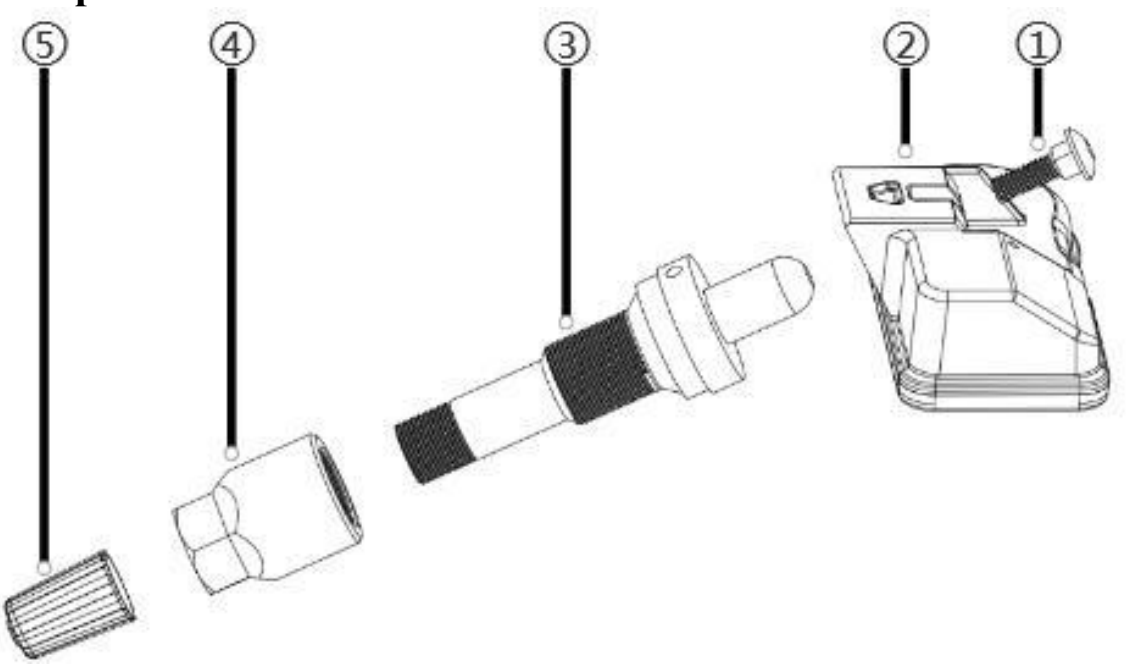
4、Contact Us

Official Website: www.xtooltech.com

Service Hotline: +86 0755-21670995
+86 0755-86267858

E-mail Address: supporting@xtooltech.com
aftersales-services@xtooltech.com

5、Exploded View



① Screw

② Sensor

③ Valve stem, Rubber Washer & Valve Core Assembly

④ Valve Nut & Washer

⑤ Valve Cap

6、Specifications

Sensor Weight (valve not included)	approx. 13 g
Dimensions (valve not included)	46.1 x 25 x 16.2mm (1.81" x 0.98" x 0.64")
Max. Pressure	900 kPa (9.0 bar or 130.5 psi)
Max. Speed	240 km/h (150mph)

7、Installation Guide

Every time a tire is repaired, dismantled, or a sensor is uninstalled or replaced, make sure that the original rubber washer, screws, nuts, and valve stems from Xtooltech are used to maintain a good air seal. If the tire or wheel is damaged externally, the sensor must be replaced.

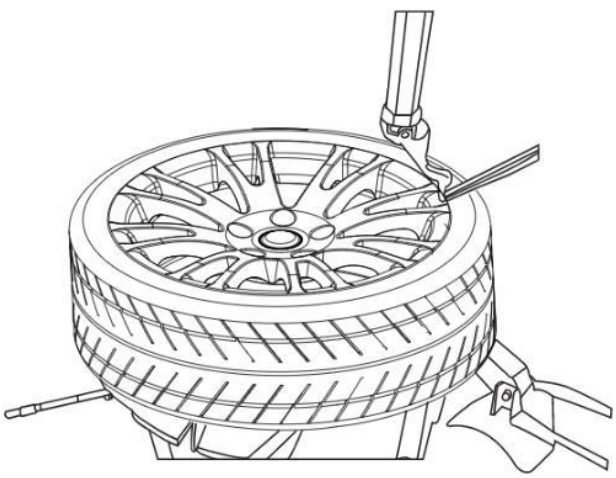
The tightening torque for the valve screw should be 4Nm (2.95 lb·ft).

7.1 Deflate & Uninstall Tire

Take off the valve cap and the valve core to deflate the tire.

Then, use tools or machines to uninstall the tire from the rim.

*If you are only replacing the sensor, deflate the tire and pry up the tire near the valve stem until the sensor is exposed. Do not break the tire bead near the valve stem, as the original sensor may get damaged.

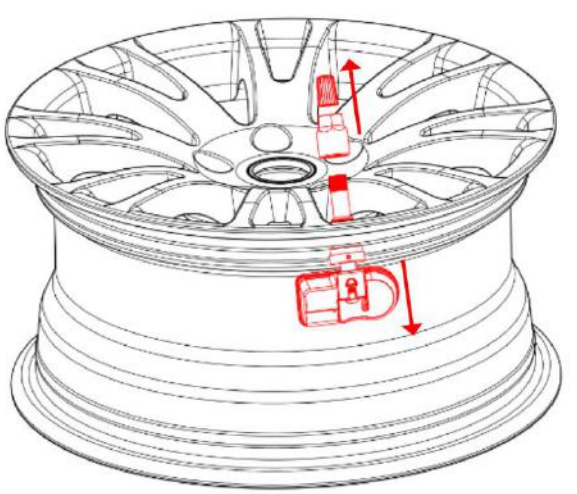


7.2 Uninstall Sensor

Take off the valve nut, washer, and screw from the valve stem.

Then, remove the sensor assembly from the rim.

*The process shown here is for this Xtooltech sensor. If you have problems uninstalling other sensors, please check the vehicle's repair manual or the installation guide for those specific sensors.



7.3 Install Sensor

① Use the screw to tightly assemble the valve core and the sensor.

② Remove the valve nut, washer, and valve cap from the assembly.

③ Adjust the angle of the sensor, then insert the valve core through the valve hole from inside the rim. Ensure the sensor body is completely inside the rim.

④ Install the valve nut and washer back onto the valve core.

⑤ Lock the nut with 4Nm (2.95 lb·ft) of torque.

⑥ Reinstall the tire onto the rim, inflate it to the standard tire pressure (see vehicle nameplate), and install the valve cap.