Universal Tire Pressure Sensor

XTPMS User manual

Attention!

The Universal Tire Pressure Sensor must be programmed with the Xhorse Device before use, and it is recommended to perform programming prior to mounting. When driving a vehicle with this type of tire pressure sensor, please keep the vehicle speed below 240 km/h at all times.

Safety Instructions

Please read this manual carefully before installing the XTPMS. To ensure the safety and normal operation of the sensor, we recommend that professional vehicle maintenance personnel perform the installation and maintenance work. It is particularly emphasized that the valve is a vehicle safety related component, which is only suitable for professional installation, otherwise it may cause damage to the XTPMS and make it unable to work normally. In the event of incorrect installation or improper use, Xhorse will not bear any responsibility.

Precautions

- XTPMS is a replaceable and repairable component of vehicles equipped with factory-installed tire pressure monitoring systems.
- Make sure that the sensor is programmed with Xhorse device before installation.
- Do not install the XTPMS in a damaged wheel.
- To ensure the optimal performance, do not install other valves and accessories on XTPMS.
- After installation, please test the TPMS following the vehicle manufacturer's user guide to ensure proper installation.

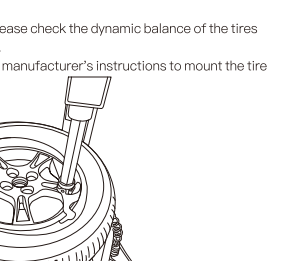
Warranty

Shenzhen Xhorse Electronic Technology Co., Ltd. (hereinafter referred to as "the Company") promise to customer, within two years from the date of delivery or 40000 kilometers of mileage if any part of this product is proved with defects in material or technology leading to equipment failure under normal usage, the Company will, upon presentation of purchase receipt, repair or replace it free of charge (with new products or parts) depending on the circumstances. The company will not be held responsible for incidental or indirect damages caused by mistake, improper operation or improper installation of the product.

This warranty does not apply to the following situations:

1. Improper product installation;
2. Improper use;
3. Product damage caused by collision or tire failure;
4. Product damage caused by racing or other unconventional use;
5. The specific use limit of the product is exceeded.

Product Description



Sensor Parameter Table

Weight (Sensor body)	12 g
Size	45x25x18 mm
Pressure Detection Range	0–800 kpa

Attention:

Each time a tire is serviced and removed or a sensor is removed and replaced, the rubber washer, nut and valve core must be replaced with original parts from Xhorse to ensure a good seal. If the sensor incurs external damage, it must be replaced. Recommended sensor installation torque: 4.0 N·m.

Installation Instructions

Please read these instructions carefully before operating or maintaining the product, paying particular attention to the safety warnings and precautions. Ensure proper use of the product, failure to do so may result in damage to the product or personal injury and will void the warranty.

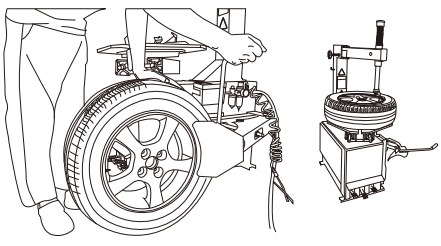
1 Loosen the tire

Remove the valve and valve core to deflate the tire.

Use a air pressure shovel to peel the outer tire off the rim.

Attention:

Hold the valve tip at a 180° angle facing the air pressure shovel.

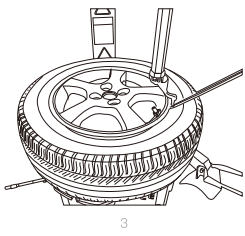


2 Remove the tire

Clamp the tire onto the tire changer, adjust the valve to the 1 o'clock position relative to the tire separation head, insert the tire tool and lift the tire bead onto the mounting head to remove the bead.

Note:

It is essential to adhere to this initial position throughout the entire dismounting process.



3 Removing the original tire pressure sensor.

Remove the valve cap, nut and seal ring from the valve stem, then remove the original tire pressure sensor from the rim.

4 Installation of sensors and valve tips

① Fix the valve and sensor body with the set screws (there is an angle requirement for fixing).

② Remove the dust cap and nut of the valve one by one.

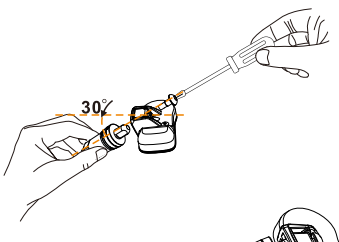
③ Pass the valve stem through the rim valve hole so that the sensor is located on the inside of the rim; it is necessary to make sure that the seal ring of the valve head is in close with the rim, and to reinstall the striker screws if the angles do not match.

④ Install the nut back on the stem stem and tighten it with a torque of 4.0 N·m, then install the dust cap back on the valve stem.

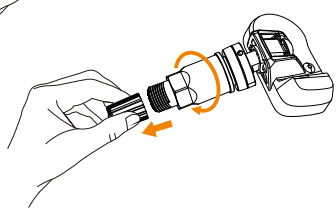
Attention:

A 30° angle is suitable for most rims. If an angle mismatch is found in step 3, loosen the screws and return to step 1 to do it again.

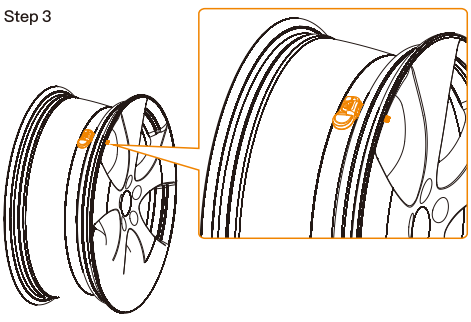
Step 1



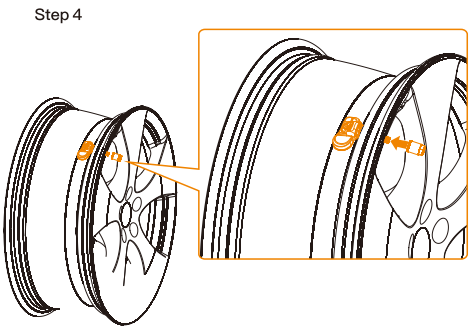
Step 2



Step 3



Step 4



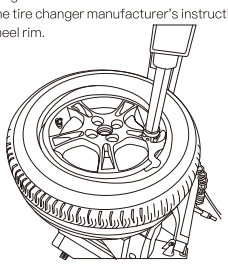
5 Installation of tires

Place the tire on the rim, making sure the valve tip faces the breakaway head at a 180° angle, and mount the tire on the rim.

Attention:

① For safety purposes, please check the dynamic balance of the tires after installing the sensor.

② Follow the tire changer manufacturer's instructions to mount the tire onto the wheel rim.



FCC statements:

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.

NOTE: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications or changes to this equipment. Such modifications or changes 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.

Federal Communication Commission (FCC) Radiation Exposure Statement

When using the product, maintain a distance of 20cm from the body to ensure compliance with RF exposure requirements.

CE statements:

433.92MHz Max EIRP is –25.643dBm.

Declaration of Conformity Hereby, Shenzhen Xhorse Electronics Co., Ltd. declares that the radio equipment type XTPMS is in compliance with directive 2014/53/EU and RER 2017 (SI 2017/1206).

RF exposure information: The Maximum Permissible Exposure (MPE) level has been calculated based on a distance of d=20 cm between the device and the human body. To maintain compliance with RF exposure requirement, use product that maintain a 20cm distance between the device and human body.

Scan the QR code to get the quick start guide.

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