

THINKCAR VENU 7 TPMS Sensor

Quick Guide

Notice: Before operating or servicing this sensor, please read this guide carefully and pay special attention to the safety guidelines and precautions. Proper and cautious use of this sensor is essential; otherwise, damage and/or personal injury may occur, and the warranty will be voided.

Safety Guidelines

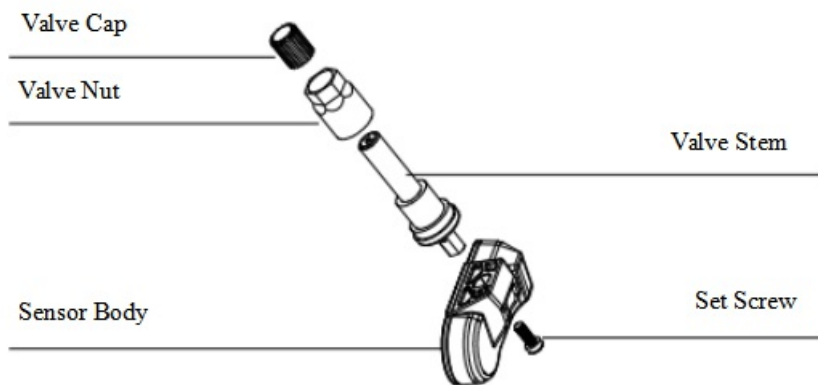
Before installing the sensor, carefully read all precautions and installation instructions. For safety and optimal performance, we strongly recommend that all repair and maintenance be carried out only by trained professionals.

TPMS (Tire Pressure Monitoring System) sensors are critical safety components of the vehicle and should only be installed by professionals. Improper installation may result in TPMS sensor damage. THINKCAR assumes no responsibility for device damage, financial losses, or personal injury resulting from improper operation.

Precautions

- ✓ When mounting or dismounting vehicle tires, strictly follow the operating instructions provided by the tire changer manufacturer.
- ✓ Do not use a vehicle equipped with this sensor for racing purposes, and always keep the speed of a vehicle equipped with this sensor below 240 km/h.
- ✓ For optimal performance, do not install accessories from other manufacturers or brands onto THINKCAR TPMS sensors.
- ✓ Before installation, use a THINKCAR TPMS diagnostic tool to program the THINKCAR TPMS sensor has been programmed by selecting the appropriate vehicle make, model, and year.
- ✓ Do not install a programmed THINKCAR sensor on a damaged wheel.
- ✓ After installation, follow the steps outlined in the vehicle manufacturer's user manual to test the TPMS system and confirm proper installation.

Sensor Components



Technical Specifications

Weight: $\pm 25\text{g}$

Operating Frequency: 433MHz/315MHz

Size(L*W*H): $\pm 71.78*42*27.34\text{mm}$

Waterproof Rating: IP67

⚠ Note: When replacing or servicing the THINKCAR TPMS sensor, ensure a proper seal by using our parts to replace the valve rod, nut, and valve cap.

If the sensor is externally damaged, it must be replaced. The correct torque of a sensor nut is 4 N·m.

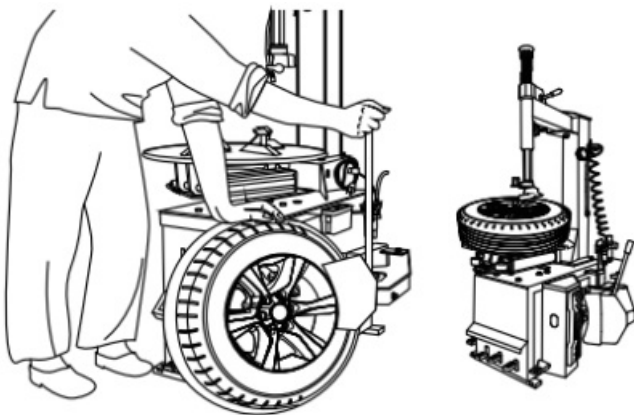
Installation Guide

1. Deflate the Tire

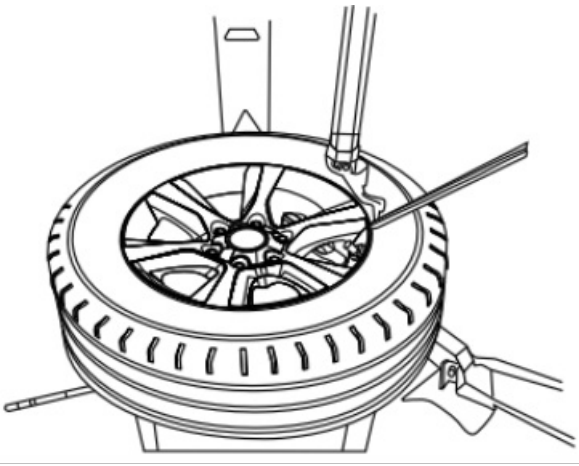
Dismount the valve stem and valve nut, and deflate the tire.

Use a bead breaker to dismount the rubber tire from the rim.

Note: Ensure the valve stem is positioned at a 180° angle facing the bead breaker.



2. Dismount the Tire



Clamp the tire on the tire changer, adjust the valve stem to the 1 o'clock position of the tire separation head, and then insert a tire tool and lift the tire bead onto the mounting head to dismount the tire.

⚠Note: This starting position must be followed throughout the entire dismounting process.

3.Dismountthe Sensor



Dismount the valve cap and nut from the valve rod, then dismount the sensor assembly from the rim.

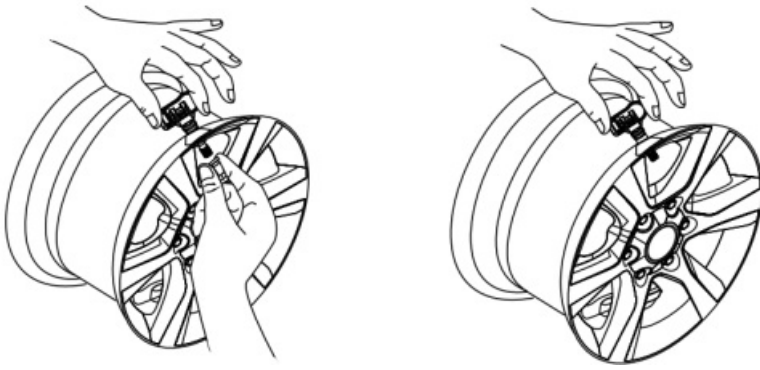
4.Install the Sensor and Valve Stem



Step 1: Dismount the valve cap and nut from the valve stem.

Step 2: Ensure the sensor is positioned on the inside of the rim, then insert the valve rod through the valve hole. Screw the nut back onto the valve rod and tighten it to a torque of **4 N•m**. Finally, rescrew the valve stem onto the valve rod.

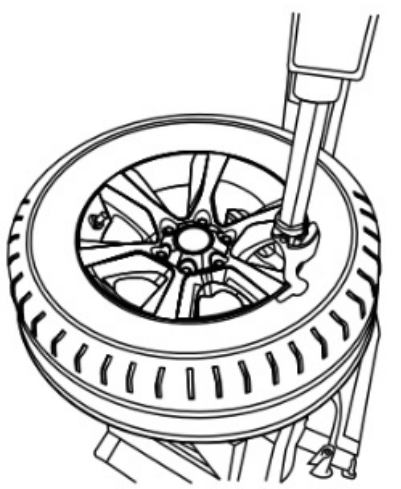
⚠Note: The nut and valve cap should be positioned on the outer side of the rim.



5. Mount the Tire

Place the tire onto the rim, ensure the valve stem is positioned at a 180° angle facing the separation head, and then mount the tire onto the rim.

⚠️ Note: Please strictly follow the tire changer manufacturer's instructions when mounting the tire onto the rim.



Warranty

THINKCAR guarantees that the sensor will be free of defects in materials or workmanship for 24 months or 50,000 kilometers after manufacture, whichever comes first. If any such defects are found during the warranty period, THINKCAR will provide free replacement at its discretion. The warranty will be void in the following circumstances:

1. Improper installation or use of the product.
2. Low-frequency sensing defects caused by non-THINKCAR products.
3. Damage resulting from collision or tire failure.
4. Damage caused by exceeding specific pressure or speed limits.

FCC Warning

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 1: 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.

NOTE 2: Any changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.