

D81-SENSOR

Angle Adjustable 1-Sensor Metal Valve (Screw-in)



CAUTION:

CGSULIT D81 Sensors arrive blank and must be programmed with TPMS90 service tool, which is recommended to program prior to installation.

Do not race with the vehicle on which the Clamp-in D81 Sensor is mounted, and always keep the drive speed under 240km/h.

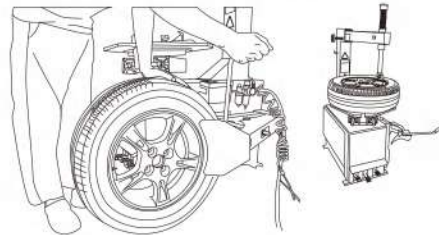
INSTALLATION GUIDE

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

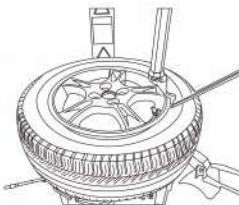
Remove the valve cap and core and deflate the tire.
Use the bead loosener to unseat the tire bead.

CAUTION: The bead loosener must be facing the valve.



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



WARRANTY

CGSULIT guarantees that the sensor is free from material and manufacturing defects for a period of twelve (12) months or for 24,000 miles, whichever comes first. CGSULIT 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

EXPLODED VIEW OF SENSOR



Technical data of the sensor

Weight of sensor without valve	12.3 g
Dimensions	approx. 44.6*24*16.0 mm
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, screw 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: 4.0 Nm.

4 Mounting sensor and valve

Step1. Connect the sensor body and valve stem at a suitable angle(Normally use the maximum angle of 30°) and tighten the screw.

Step2. Remove the screw nut from the valve stem.

Step3. Slide the valve stem through the valve hole of the rim with the sensor on the inside of the rim.

Step4. Assemble the screw nut back on the valve stem with 4.0 Nm power, then tighten the cap.

CAUTION: 30° is suitable for most rims. If the angle does not match the rim while installing in step 3, please loosen the screw then re-operate from step 1.

Step 1

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



Step 2



Step 3



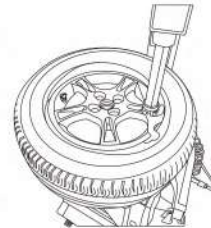
Step 4



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.



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SAFETY INSTRUCTIONS

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CAUTION

The TPMS sensor assemblies are replacement or maintenance parts for vehicles with factory installed TPMS.

Make sure to program the sensors by TPMS90 service tool 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 CGSULIT.

Upon completing the installation, test the vehicle's TPMS following the procedures described in the original manufacturer's user guide to confirm proper installation.

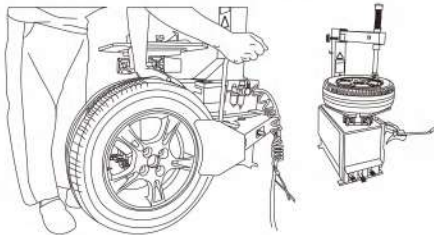
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1 Loosening the tire

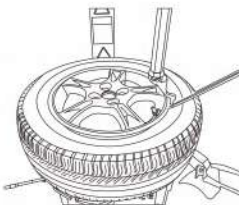
Remove the valve cap and core and deflate the tire.
Use the bead loosener to unseat the tire bead.

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

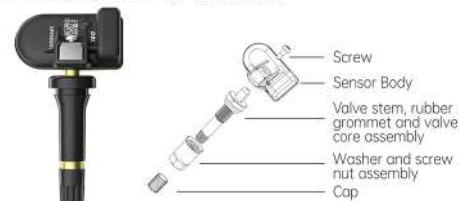


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EXPLODED VIEW OF SENSOR



Technical data of the sensor

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Step4. Assemble the screw nut back on the valve stem with 4.0 Nm power, then tighten the cap.

CAUTION: 30° is suitable for most rims. If the angle does not match the rim while installing in step 3, please loosen the screw then re-operate from step 1.

Step 1

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



Step 2



Step 3



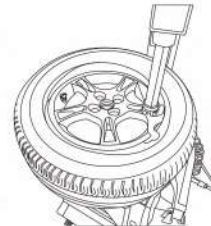
Step 4



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.



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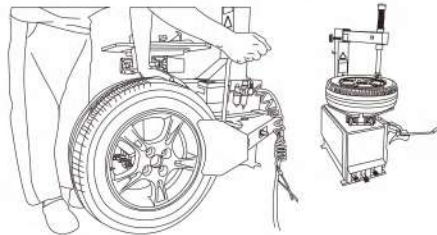
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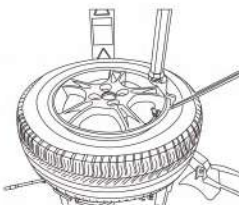
Remove the valve cap and core and deflate the tire. Use the bead loosener to unseat the tire bead.

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.



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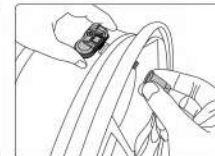
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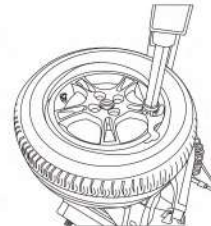
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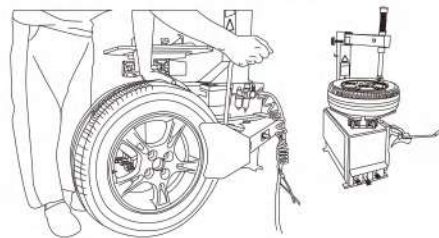
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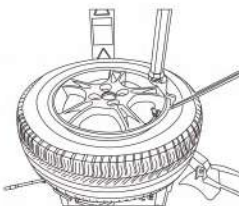
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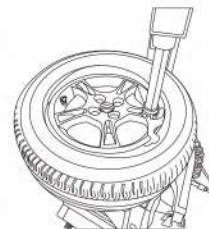
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This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any 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.

FCC Radiation Exposure statement

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