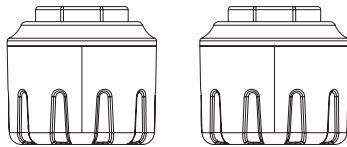




TYRE PRESSURE MONITORING SYSTEMS

INSTALLATION MANUAL

TCSE SENSOR **(SPARE TYRE SENSOR)** **For Caravans or Motorhomes**

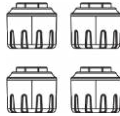


TCSE
Sensors

SYSTEM COMPATIBLE COMPONENTS

TCSE Sensor Components

(4 Sensor Kit shown – one of each for individual sensor)



Sensor



Spare "O" Ring
& spare valve seal



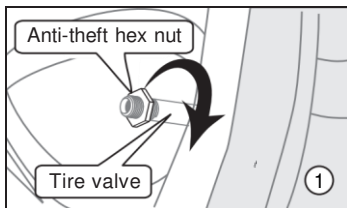
Hex Nut



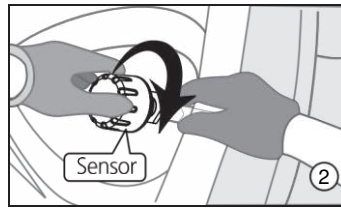
Cap Tool/ Hex Wrench

SENSOR INSTALLATION - TCSE SENSOR

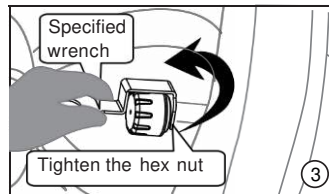
1. Screw the hex nut onto the valve stem threads until it bottoms out.
2. Screw the correctly marked sensor onto the valve stem for that tyre position. Tighten the sensor until the air stops leaking and the sensor bottoms-out on the valve stem. Then give it a quarter turn to seat it. Do Not Over Tighten!
3. Use your fingers to screw the hex nut up to the bottom of the sensor. Using the provided wrench, tighten the hex nut against the bottom of the sensor. This will prevent the sensor from being removed. Keep the wrench in a safe place for future use.
4. To inflate or deflate the tire, you must remove the cap sensor.



- ① Install the anti-theft hex nut onto the tyre valve.



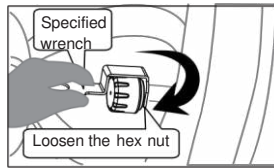
- ② Install the sensor onto the tyre valve clockwise.



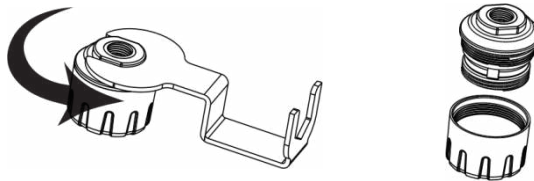
- ③ Tighten the anti-theft hex nut anti-clockwise until the nut is tightened against the sensor.

REPLACING THE TCSE SENSOR BATTERY (CR2032)

1. Remove the sensor from the tyre valve stem.



2. use the specified wrench to open the sensor cap anti-clockwise.



3. Slide the battery out of the cage sideways. Note that the (+) side is up. Replace with a new CR2032 battery.

Note: It is recommended that you check the voltage of the new battery before installation. It should read 3 volts or greater when new.



4. At this time replace the "O" ring at the base of the threads. Be sure it is seated properly in its place.



Note: Changing the battery in the sensor does NOT affect the sensor programming in the display. You will not have to reprogram the sensor into the display.

SPECIFICATIONS

Sensor specifications

Temperature Operating Range	-40°F - 176°F / -40°C - 80°C
Storage Temperature Range	-40°F - 185°F / -40°C - 85°C
Pressure Range	1-188 PSI / 1-13 BAR
Pressure Accuracy Range (with a digital gauge)	±1.5 PSI / ±0.1 BAR
Temperature Accuracy Range	± 3°F
Transmission Power	<10 dBm
Transmission Frequency	433.92 MHz
Approximate Battery Life	1.5 years
Physical Sensor Size - Cap	0.96" (D) x 0.91" (H) 24.4 (D) x 23.1 (H) mm
Sensor Weight - Cap	0.59 oz. / 16.8 grams

TCSE REGISTRATION

The sensor can be registered to the TPMS monitor after installation on the (spare) tyre valve stem, using Low Frequency technology (close proximity). Please refer to the specific User Manual for your TyrePal TPMS monitor

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