

CP41

PASSENGER CAR TPMS RETROFIT USER MANUAL



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Warning

• FCC Regulation

This tire pressure monitoring system has complied with Article 15 of the FCC of USA requirements, but it is still needed to pay attention to the following two items:

- (1) Other harmful interferences may affect the system's normal operation.
- (2) Abnormal operation may cause the system to fail.

Warning

1.The system adopts the wireless transmission of signals. In some special circumstances, interference or erroneous methods of operation or installation method errors may cause weaker signal or its inability to receive signals. If the insulation adhesive sticker of the windshield contains metal material, it will be likely to affect reception conditions. If the tire pressure and temperature readings on the TPMS receiver are displayed as ---, this condition represents the receiver cannot receive signals emitted by the sensors. Drive the vehicle away from the current location (nearby there may be signal interference) or drive the vehicle to a tire shop to check, or return the TPMS receiver to distributor for repair.

2.Please change the sensor while the sensor is no battery power, or it may cause the system work abnormally. You will take all risks and responsibilities for this!

3. Temporary resealing or re-inflation products containing internal sealants or propellants in any tire assembly may adversely affect the operation of the sensor/transmitter. The product manufacturer does not assume any liability as a result of these.

[Notice]

1. Failure caused by unauthorized modification of the software will not be included in the warranty.
2. Failure caused by unauthorized modification of the circuit will not be included in the warranty.
3. Start using this system means your agreement to the above statement.
4. It is recommended to check the "sensor valve" regularly every year, if the damage happens, please replace the valve immediately to avoid the tire air leakage.

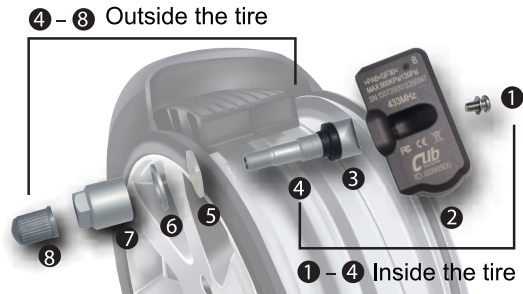
System Warning

- When the tire pressure is less than 80% of the set pressure value or 150 kPa (22 psi), the first meets, the low pressure alarms. If you change the wheel size, please adjust the tire pressure standard value by the technician, then the system will renew the tire pressure set value of 80% or 150 kPa(22 psi) by new standard value, the first meets, the low pressure alarms by emitting Bi sound.
- If the receiver is not received signal over 10 minutes, it will enter into the abnormal TPMS alarm mode, the abnormal TPMS warning symbol will light up to mean the loss of sensor communication °
- The default tire pressure unit is psi °

1. Product Parts List

NO.	Part Name	Q'ty
1	Display	1
2	Sensor	4
3	Valve Package	4
4	Cigarette lighter cable	1
5	User Manual	1
6	Suction cup holder	1

2. Sensor Installation



1. Valve Stem Screw 2. Sensor 3. Rubber Grommet 4. Metal Valve Stem
 5. Plastic Washer 6. Metal Washer 7. Valve Stem Nut 8. Valve Cap

2.1 Installation Location

Tire pressure sensors are paired in the factory. Please check the sensors numbers and install them in the right positions when installing at the first time.

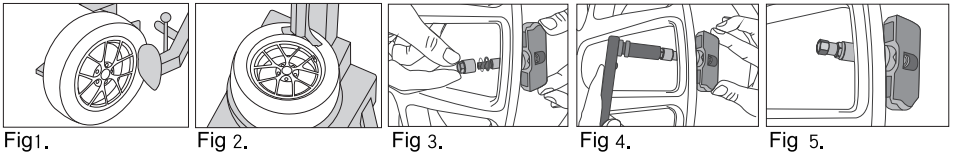


2.2 Sensor Assembly Process

- (Fig 1) Loosen the tire. Fix both sides of the tire and press, and make it bulge.
- (Fig 2) Remove the tire. The valve faces the mounting arm in the one o'clock direction, remove the tire.
- (Fig 3) Install the sensor into the tire according to the component figure at previous page.
- (Fig 4) Install the sensor and valve. Insert the valve through the rim hole, attach the sensor body to the inner surface of the rim by adjusting the angle of the sensor body. Install valve to the rim hole. Guide the washer into the valve, and fix the nut by 2Nm in torque, then tighten the cap.
- (Fig 5) Fix the screw to secure the valve and sensor by 4Nm in torque. Mount the tire. Grip the rim edge, and the valve is opposite to the mounting arm, avoid hitting the sensor during arm operation.

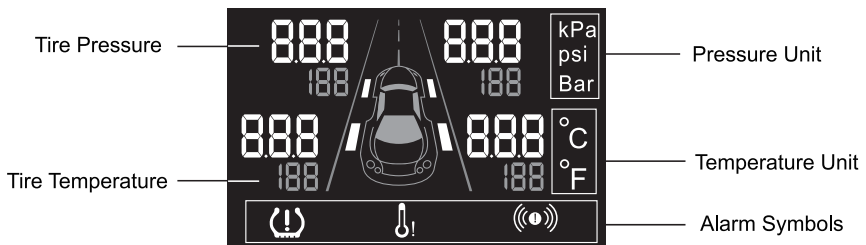
【Notice】

After the sensors are installed, please calibrate the balance to avoid from fluttering during driving.



3. Interface Description

After turning on the car power (ACC ON), the display shows “---” and wait to receive the signals, after receiving the signal, the display shows the tire pressure and tire temperature value. The system default unit for tire pressure is psi, for tire temperature unit is °C.






4. Operation Description



Functions of Touching Button:

1. Used as the mute button
2. Used as the function setting button (All setting mode)

5. Alarm Symbols

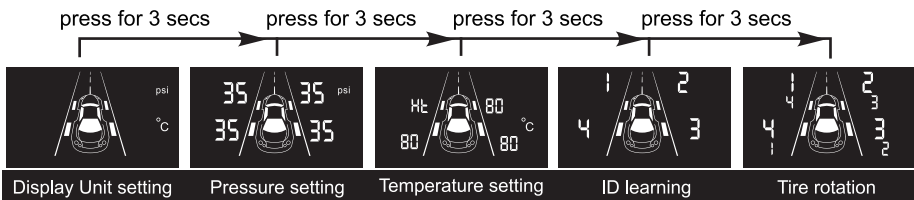
Symbols	Description
	Tire pressure abnormal warning symbol: When the tire pressure is higher than the set value of 150% or below the set value of 80%, the tire position will flash and show tire pressure abnormal symbols as the left. °
	Abnormal TPMS warning symbol: It has two possibilities, one is sensor is no battery power, the other is the sensor signal is disturbed by unknown reason. When the sensor signal is lost for more than 10 minutes, the tire position displays "---" and begins flashing, shows the warning symbol as the left.
	Tire temperature abnormal warning symbol: When the tire temperature is higher than the set value, the tire position will flash and show tire temperature abnormal symbols as the left.

[Notice]

When the system sends an alarm, it is recommended that the user should immediately decelerate and safely stop to confirm the tire condition. If the tire is confirmed to be abnormal, it is not recommended to continue driving to avoid accident.

6.Setting Mode

Each function can be set for a long time of pressing touching button, about 3 seconds to enter into the function settings, the cycle is as follows: Display Unit Setting → Pressure Setting → Temperature Setting → ID Learning → Tire Rotation



7.Display Unit Setting

7.1 The default display unit is psi and °C ◦

7.2 In the display unit setting mode, it changes with a different unit combination by pressing the button each time (EX: psi & °C, kPa & °C etc.), the temperature and pressure units will be chosen and saved automatically after 10 seconds by emitting three short BiBiBi tones. If it fails to save, a long Bi tone sound is emitted.

8.Pressure Setting

8.1 The default pressure setting is 35psi ◦

8.2 Setting range is psi:30~45, kPa:210~360, Bar:2.1~3.6 ◦

8.3 In the pressure setting mode, it changes with a scale by pressing the button each time, the pressure value will be chosen and saved automatically after 10 seconds by emitting three short BiBiBi tones. If it fails to save, a long Bi tone sound is emitted.

8.4 When changing the new wheel size, please adjust the setting value according to the suggested tire value to ensure that the system shows the correct condition.

9. Temperature Setting

9.1 The default temperature setting is 80°C ◦

9.2 Setting range is 60~80°C 、 140~176°F ◦

9.3 In the temperature setting mode, it changes with a scale by pressing the button each time, the pressure value will be chosen and saved automatically after 10 seconds by emitting three short BiBiBi tones. If it fails to save, a long Bi tone sound is emitted.

10.ID Learning

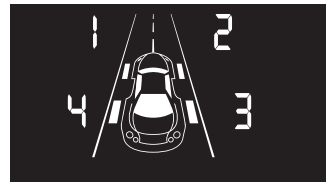
10.1 In the ID learning mode, by pressing the button once, it is into the ID learning mode. The “1” digit flashes, then deflate the tire air of the left-front wheel to force the sensor to send a signal. The “1” digit lights up when the receiver receives the ID successfully with emitting three short BiBiBi tone, then it automatically jumps to the digit “2” as flashing. The learning method for digit “2”, “3”, “4” is the same as “1”. When four digits is set completely, the IDs will be saved automatically after 10 seconds by emitting three short BiBiBi tones. If it fails to save, a long Bi tone sound is emitted.

10.2 The setting sequence is shown as “1” (left-front) → “2” (right-front) → “3” (right-rear) → “4” (left-rear)

10.3 Do not set ID learning at the same time with tire rotation.

[Notice]

When learning the ID by deflating the tire air, please relieve the tire air rapidly so that the sensor is forced to send the signal by detecting the drop of pressure value in a short time. If the tire air is not relieved fast and enough, it may be fail to learn the ID.



11. Tire Rotation

11.1 In the tire rotation mode, it changes with a different rotation model by pressing the button each time (there are six rotation models), the final model will be chosen and saved automatically after 10 seconds by emitting three short BiBiBi tones. If it fails to save, a long Bi tone sound is emitted.

11.2 Rotation models:



Model 1

Model 2

Model 3

Model 4

Model 5

Model 6

Model 1: No rotation.

Model 2: Front and rear wheels are parallel-rotated.

Model 3: Front and rear wheels are cross-rotated.

Model 4: Front wheels are cross-rotated to the rear.

Rear wheels are parallel-rotated to the front.

Model 5: Rear wheels are cross-rotated to the front.

Front wheels are parallel-rotated to the rear.

Model 6: Left and right wheels are parallel-rotated