TPMS UNI

T410

User Manual

Table of Content

1.1 Introduction

TPMS(Tire Pressure Monitoring System) which is safe equipment for vehicle by wireless transmitting can be reduced malfunction and issues of driver's safety with each tire pressure、temperature and sensor battery at any time.

TPMS will be beeped and shown icon on screen to remind driver if one detects any abnormal status from tire sensors.

1.2 Package Content：

Parts	Quantity
Host Unit	1
Power Line	1
Sensor	6
CR1632 Battery	6
Holder	1
Anti-Nut	6
Anti-Nut	1
User manual	1

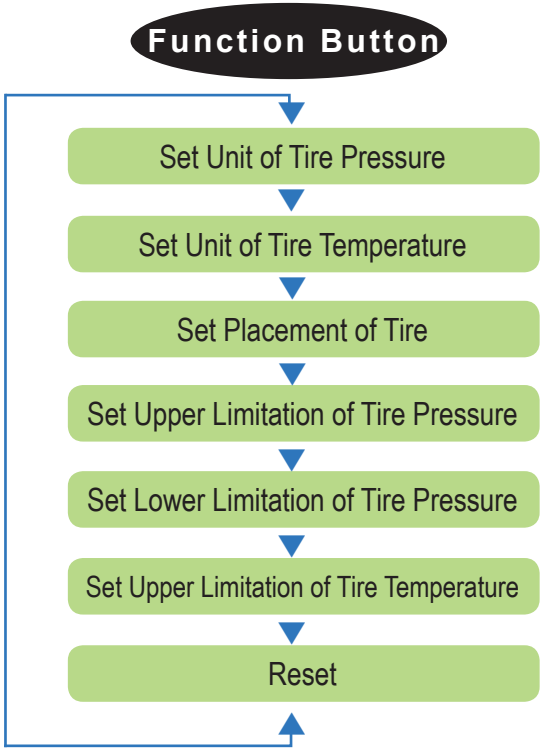
1.3 Product Layout

1.3.1 Function Button

Press [Function Button] that it can be shown settings mode in a cycle.

1.3.2 Up/Down Button for selecting

Select which button you want function with [Function Button], and then changes value with [Up/Down Button]. Press [Function Button] for leaving setting mode when you set.



2.1 Host Unit

Step 1: Host Unit/cigarette lighter connector (Figure 1~2)

Description:

1. Power line connects to cigarette lighter and start engine of vehicle, then screen of host unit will be shown due to power turned on.

(Figure l)

(Figure 2)

Step 2: Display screen (Figure3~4)

(Figure 3)

(Figure 4)

Description:

1. Power line connects to cigarette lighter and start engine of vehicle, then screen of host unit will be shown due to power turned on.
2. Screen will be off if driver turns off.
3. Screen is still on if driver turned off, then one must disconnect cigarette lighter.(Figure 5~6)

(Figure 5)

(Figure 6)

Step3: Holder installation for host unit

Description:

1. Install holder to hole which is located back of host unit (Figure 7~8).
2. Mount holder on the windshield where driver feels comfortable, and lock the sucker. (Push down)(Figure 9)

(Figure 7)

(Figure 8)

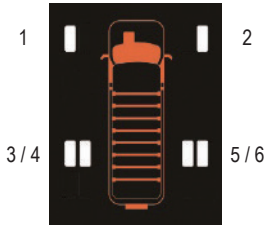
(Figure 9)

2.2 Sensor

Step 1: Confirm 6 sensors whether each one has sticker or not.

Description:

1. Get 6 sensors, then confirm side and cap whether all sensors have difference stickers. Install sequence of sensor is from left to right and front to rear. (Figure 10)



(Figure 10)

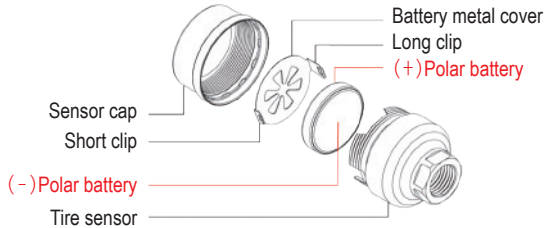
Step2: Install sensor battery

Description:

1. Install battery、metal cover and cap into sensor by sequence and locking cap .(Figure11)

Notice:

1. Battery positive side up must be correct; it will quickly be discharged and no power if battery polarity is upside down.
2. Confirm locking cap to avoid steam or liquid into sensor so that battery broken.



(Figure 11)

Step3: Install sensor on tire

Description:

Each sensor has unique ID (IDentification ; Paired in manufacturing) and paste identified sticker on sensor (1/2/3/4/5/6…).

1. Remove tire valve cap and screw in anti-theft nut. Confirm tire position of vehicle and sticker of sensor is match, then install sensor to tire valve and locking tightly. (Figure 12-15)

(Figure 12)

(Figure 13)

(Figure 14)

(Figure 15)

Notice: Please make sure locking between sensor and valve to avoid leaking air of tire.

Step4: Locking Anti-theft Nut

Description:

1. Screw in clockwise direction of anti-theft nut
2. Get spanner from package, one hand fix anti-theft nut with spanner and other hand hold sensor, then screw out counterclockwise direction anti-theft nut tightly with sensor each other. (Figure 17-18)
3. Check sensor whether locking is sure or not.

(Figure 16)

(Figure 17)

(Figure 18)

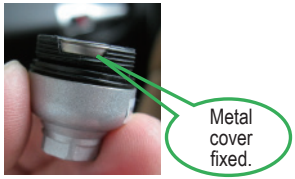
2.3 Frequently Asked Questions (FAQ)

FAQ1: Host unit cannot receive RF signal from all sensors after power on within 5 minutes.

Answer:

1. Please confirm polarity of sensor battery.(Positive is side up and negative is facing down)
2. Please confirm fixed of sensor metal cover and touch tightly with battery.(Figure 19-20)
3. Please confirm level of sensor battery; replace battery if voltage is less than 2.8V.
4. Please reinstall sensor battery again.
5. Remove sensor cap and check any stream or liquid into sensor so that metal cover and battery rust becomes malfunction.

(Please lock sensor cap tightly when you install, make sure cap and rubber tightly to avoid stream or liquid)



(Figure 19)

(Figure 20)

Notice:

The TPMS is based on wireless operation; it is possible reduced RF signal or no RF signal due to environment interference、installation error and operation mistake.

Host unit didn't get updating RF signal from all sensors within 5 minutes that red icon of tire will show again to remind driver for warning.

Please follow up as below if you have this situation as above:

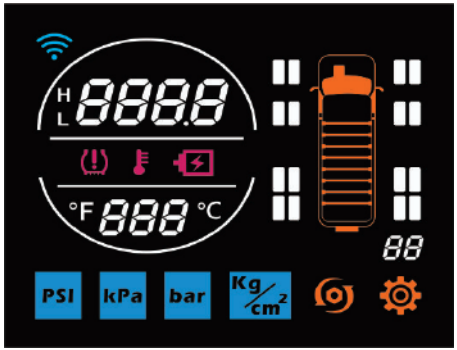
1. Drive away there. (It has another strong wireless signal for interference)
2. Please check level of sensor battery.
3. Please contact with your dealer for assistance.

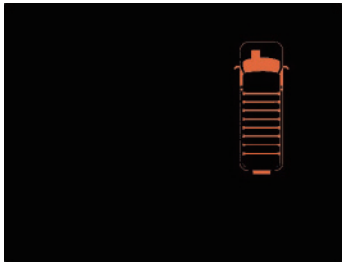
FAQ2: It has empty、lost or repeat sticker on sensors if someone bought product.

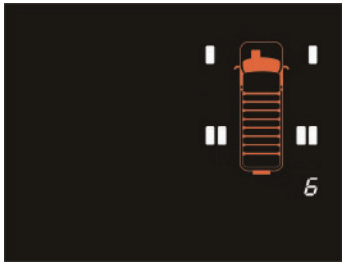
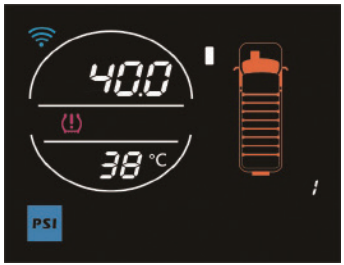
Answer:

1. It paired ID code between host unit and sensors when the product manufactured, please contact with your dealer for resetting to avoid mistake position of tires and sensors if you have any questions.

3.1 Receiving RF Signal from Sensor

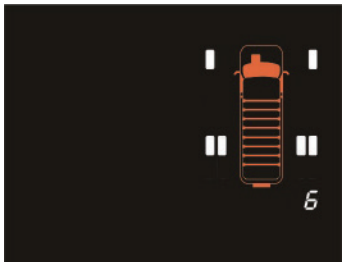
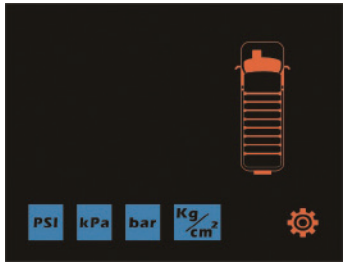


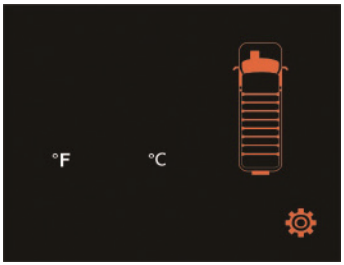
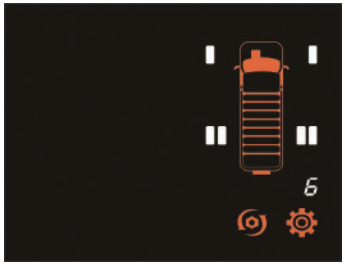
Step	Description	Screen
1	Start the engine, power is turned on and between host unit and sensors.	

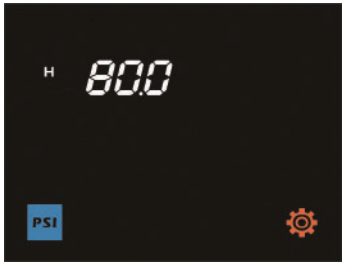
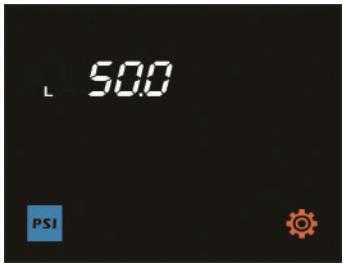
Step	Description	Screen
2	Display current tire pressure and temperature when host unit received RF signal from current sensor.If sensor battery is low level, low level warning icon of sensor battery will be shown.	
3	Display tire pressure and emperature for each sensor separately if host unit got all sensor.	

※ It can be turned off backlight of screen when you press [Up Button], otherwise press any buttons that will be turns on backlight that it will.

4.1 Functing Key and Set-up Key Operating

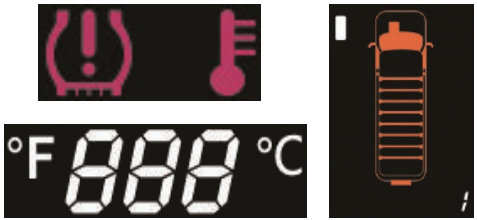
Function Button	Description	Screen
none	Display position and quantity of tire for RF signal received from sensor.	
press and hold for 5 seconds, then into Setting mode	Display unit of tire pressure and adjust one with [Up/Down Button] as PSI 、kPa 、bar and Kg/cm2.	

Function Button	Description	Screen
Press once	Display tire temperature and adjust one with [Up/Down Button] as Celsius (℃) and Fahrenheit (℉).	
Press 2 times	Display tire placement for various vehicle and adjust one with [Up/Down Button].	

Function Button	Description	Screen
Press 3 times	Display upper limit of tire pressure and default value is 80 PSI, adjust one with [Up/Down Button].Range for various unit is as below: PSI:30.4~120.3, gap:0.7 Kpa:210~830, gap:5 Bar:2.1-8.3, gap:0.1 Kg/cm2:2.1-8.5, gap:0.1	
Press 4 times	Display lower limit of tire pressure and default value is 80 PSI , adjust one with [Up/Down Button].Range for various unit is as below: PSI: 30.4~Value of upper limit-10.2, gap:0.7 kPa:210~ Value of upper limit-70, gap:5 Bar:2.1~ Value of upper limit-0.7, gap:0.1 Kg/cm2:2.1~ Value of upper limit-0.7, gap:0.1	

Function Button	Description	Screen
Press 5 times	Display upper limit of tire temperature and default value is 80℃ , adjust one with [Up/Down Button].Range for various unit is as below: Celius: 60℃ ~ 120℃ Fahrenheit:140 ~ 248 ℉	
Press 6 times	Display reset option and adjust one with [Up/Down Button], choose "Y",then press and hold for 5 seconds that restore default value as upper/lower limit of tire pressure and upper limit of tire temperature.	

4.2 Warning Icon

Description	Screen
Tire pressure warning icon It will be 2 short beeps per 10 seconds and keep going 1 minute, blinking tire issue icon/placement icon/pressure value /"H" or "L" at the same time when tire pressure is lower or higher than your setting value.	
Tire temperature warning icon It will be 2 short beeps per 10 seconds and keep going 1 minute, blinking tire issue icon/placement icon/tire temperature warning icon/temperature value/"F" or "C" at the same time when tire temperature is higher than your setting value.	

Low level warning icon of sensor battery It will be 2 short beeps per 10 seconds and blinking tire issue icon/ placement icon/low level warning icon of sensor battery at the same time if battery voltage is less than 2.8v. Notice: Sensor cannot work so that RF signal fail when battery voltage of sensor is less than 2.8v, please replace battery now.	  

5.1 Host Unit	
Voltage(V)	9 ~ 16 V
Current(mA)	50 ~ 200 mA
Working temperature	- 40 ~ 85 ℃
Storage temperature	- 40 ~ 125 ℃
Frequency	433.92 MHz

5.2 Sensor	
Voltage(V)	3 V
Working temperature	- 40 ~ 85 ℃
Storage temperature	- 40 ~ 125 ℃
Measuring range of sensor battery	2.6 V ~ 3.3 V
Lift time of sensor battery	1~2 year
Frequency	433.92 MHz

(※)The original sensor battery supplied with CR1632. Lift time of sensor battery depends on environment and battery brand and formula.

Disclaimer

The information provided in this user manual doesn't mean all inclusive.All user have to observe and comply to the vehicle manufacturer or tire manufacturer specification and all available safety regulation.

This device complies with Part 15 of the FCC Rules. Operation i s 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.

GLORIFY INTERNATIONAL CO.LTD.