



PARKING SENSOR SYSTEM

PLPSE6



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● Function & feature

- ◆ Press the brake pedal, the front detector will begin working, it will continue working 10 seconds when you release the brake pedal.
- ◆ Put the gearshift into reversing position, the rear detector will begin working, it will stop working when the gearshift is not at the reversing position.
- ◆ Super distinct dynamic screen and display the digital distance and direction of the barrier.
- ◆ Identified by the system automatically, and prior to alarm
- ◆ Six sensors, detect all position
- ◆ Anti-electromagnetic wave disturb and adapt to various temperature
- ◆ 24hr design and adapt to bad environment
- ◆ Super anti-report mistakenly, safety and actual.

● Specification

- ◆ Working voltage: +12V±2V(DC)
- ◆ Power (Max): 3.5W
- ◆ Working temperature: -40°C~+80°C
- ◆ Detect distance: 2.0m-0.3m (back); 1.0m-0.3m(front)
- ◆ Display distance: 2.0m-0.3m (back); 1.0m-0.3m(front)
- ◆ Alarm distance: ≤1.5m(back); ≤1.0m (front)
- ◆ Volume: ≥75dB

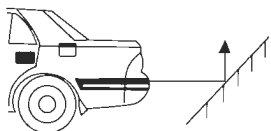
● Condition diagnosis and trouble shooting

Phenomenon	Reason	Inspection
No reaction after installation	<ol style="list-style-type: none"> 1.No power supply or low voltage. 2.Lose connection of wire. 3.Fail to test any obstacle when driving backwards. 	<ol style="list-style-type: none"> 1.If the voltage of battery is normal, and ignition wire is correctly connected. 2.If each wire is well connected.
Mute, unclear voice or low volume	<ol style="list-style-type: none"> 1.Mute status has been set in monitor. 2.The installing surrounding of main unit or outside-setting speaker has been blocked by something. 3.Low voltage of battery. 	<ol style="list-style-type: none"> 1.According to the operation of specification, absolve the setting of mute. 2.Check if main unit is blocked from outside-setting speaker by something. 3.Timely recharging battery to ensure the normal working of main unit.
Haste alarming sound	<ol style="list-style-type: none"> 1.Incorrect installation or loosening of sensor. 2.Damage of sensor. 3.Bad installing environment of main unit. 	Correctly install according to specification. If necessary, turn to the guidance of professional persons and periodical inspection. Please change on time the sensor if it is damaged manually.
Unusual phenomenon of probing distance	<ol style="list-style-type: none"> 1.Anomaly of battery. 2.Loosening of the wire of sensor or with dirt. 3.Dirt in the surface of sensor. 4.Incorrect installation of sensor. 	<ol style="list-style-type: none"> 1.Check if the voltage of battery is normal. 2.Correctly connect wires according to specification and check if the connecting points are dirty. 3.Retain the cleanliness of sensor. 4.Correctly install according to the specification.

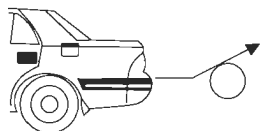
● Operation

5. Caution

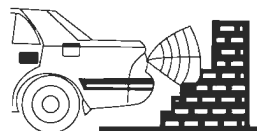
Circumstances showed under will affect the probing result



Slippery inclination



slippery ball shape

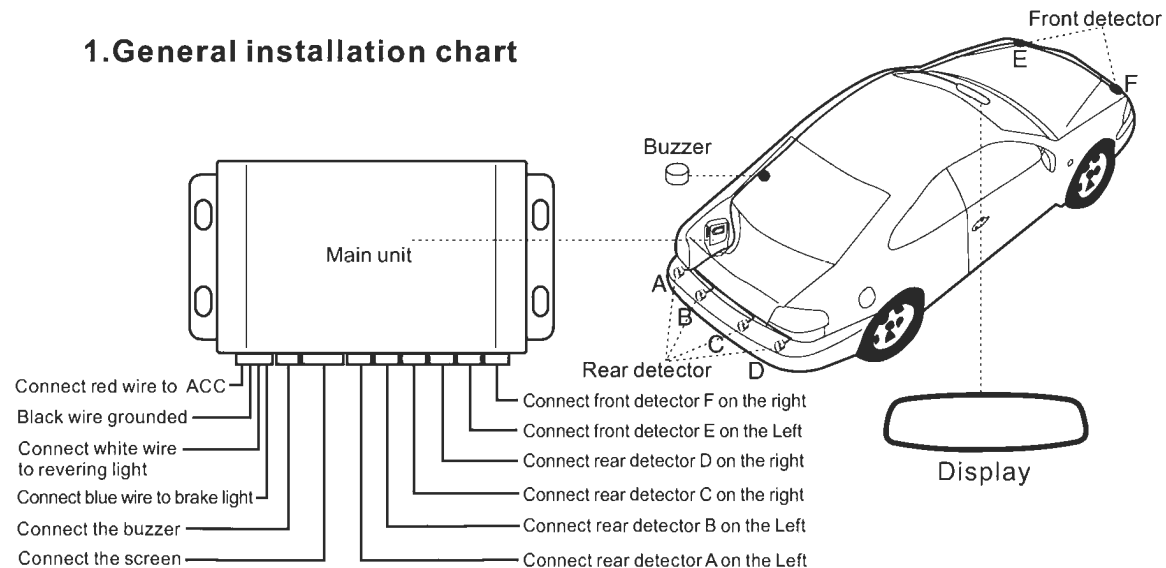


over-high installation position

- 1) Before usage, please make sure that system operation is normal after testing in accordance with the specification.
- 2) The speed should be less than five kilometers when parking in order to avoid collision with obstacle because of inertia.
- 3) Probing distance varies according to different object. For example, such obstacles as slippery inclination, ball shape objects, irregular object, sound-absorbed object will affect the probing result.
- 4) The damage of sensor, or its being dirt, covered by snow, frost, earth, will also affect the probing result.
- 5) During installation, please be careful not to mangle, prick, break and lengthen the wire of sensor.
- 6) **This product is only for the purpose of assistance and reminder and we will not take any responsibility for any accident.**

● INSTALLATION

1. General installation chart



※ All interfaces must be connected carefully and correctly. Wiring distribution must be in a distance as far as possible from ignition coil and high-voltage wire.

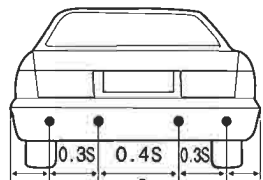
2. General installation chart

1) Mount distance between the detectors



Ideal width
60-80cm

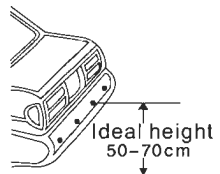
Width for two front detectors



10-15cm 0.3S 0.4S 0.3S S 10-15cm

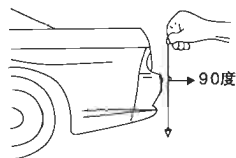
Width for four rear detectors

2) The installation height of sensor



Ideal height
50-70cm

The installation height of sensor
(55 cm is advisable)



The surface of installation
should be upright and smooth

* When installation of the sensor, the location of parking should be horizontal and smooth.

● Operation

2) Barrier at the back of the car



Barrier



Barrier



Barrier



Barrier



Barrier behind the car
on the left within 2M.



Barrier behind the car
on the left within 1.5M.



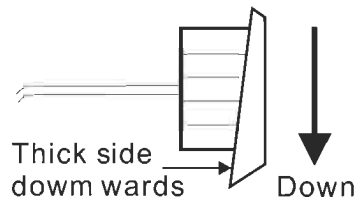
Barrier behind the car
on the right within 0.8M.



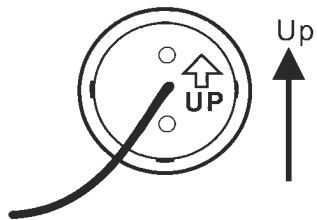
Barrier behind the car
on the middle within 0.3M.

● Installation

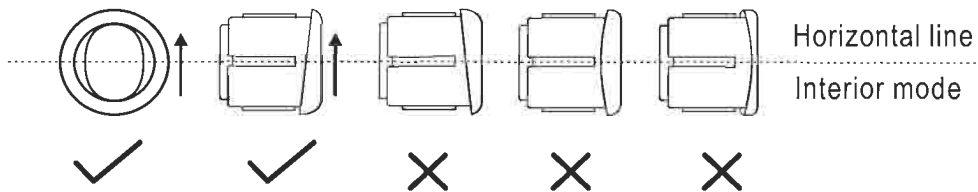
5) Please assure the direction before mount



Side diagram for installation

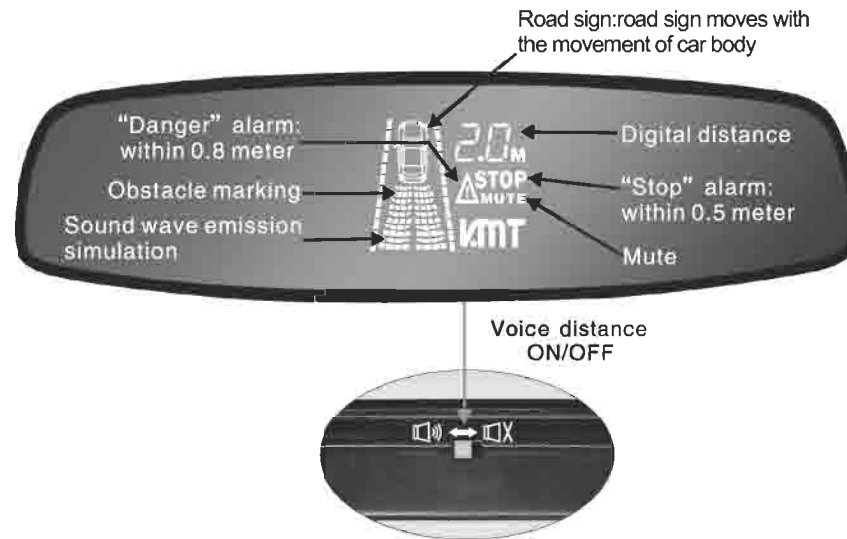


Rear diagram for installation



● Operation

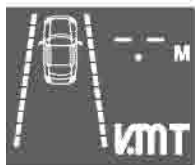
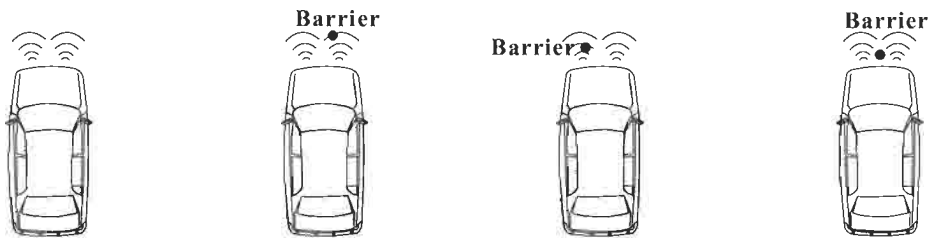
3) Instruction for the mirror



● Operation

4. Instruction for the display status

1) Barrier in front of the car



No barrier front the car within 1m.



Barrier front the car on the right within 1m.



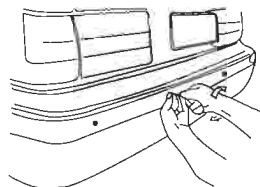
Barrier front the car on the left within 0.6m.



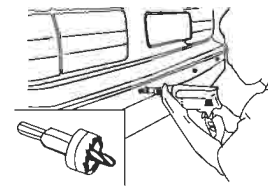
Barrier front the car on the middle within 0.4m.

● Installation

3) Find proper position and drill a hole for the interior detector

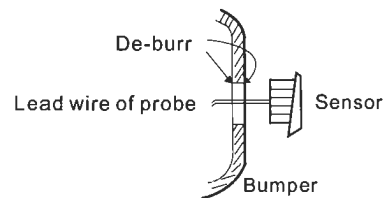


Determine the position of drilling by using a spear to make a point in order to avoid the slipping of drill

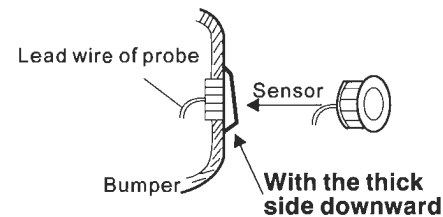


Point the drill at the position

4) Install interior sensor



Step 1, install the sensor on bumper

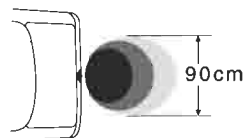


Step 2, Plug the sensor into the hole

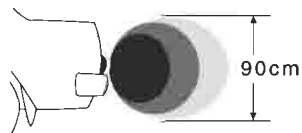
● Operation

2. Detect range

1) Detect width of single detector

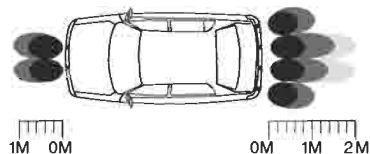


Horizontal

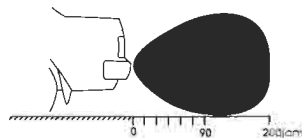


Vertical

2) Detect scope

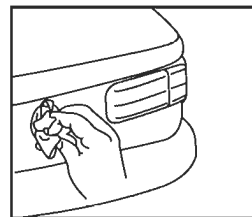


Horizontal

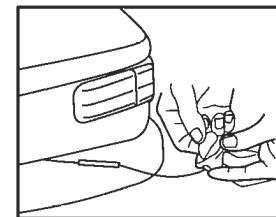


Vertical

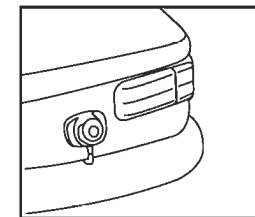
6) Install exterior sensor



Clean the selection place by alcohol.



Heat the double bound tape under the sensor, and then unfix the tissue paper.



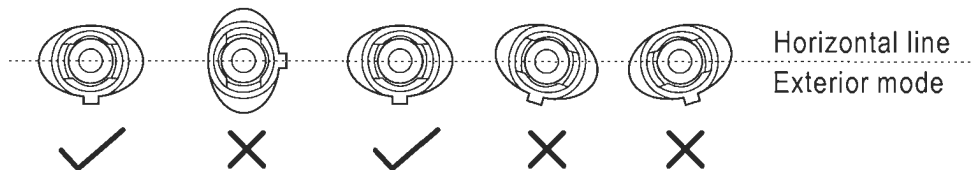
Conceal the lead; use rubber tube to prevent the lead to be staved in the tangle place.

※ Caution

- A. The double bound tape of exterior sensor uses original import 3M double bound tape, it is once used, the selection place should clean and no oil spots, after 48 hours it can reach the best result.
- B. Do not cut or stave the lead of the sensor.

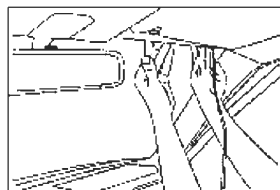
● Installation

7) Install direction for exterior sensor



3. Mount the display

Directly put the mirror display on the original place, pay attention to the wiring connection.



● Operation

1. Working principle

Start the car, the front detectors will detect the barrier within 1m when you press the brake pedal, the system will shut down if you release the brake pedal and not press it again within 10 seconds.

The rear detectors will detect the barrier within 2m when you put the gearshift into reverse position, the system will shut down automatically when the gearshift is not on the reversing position. The front detector will not work during the rear system working.

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