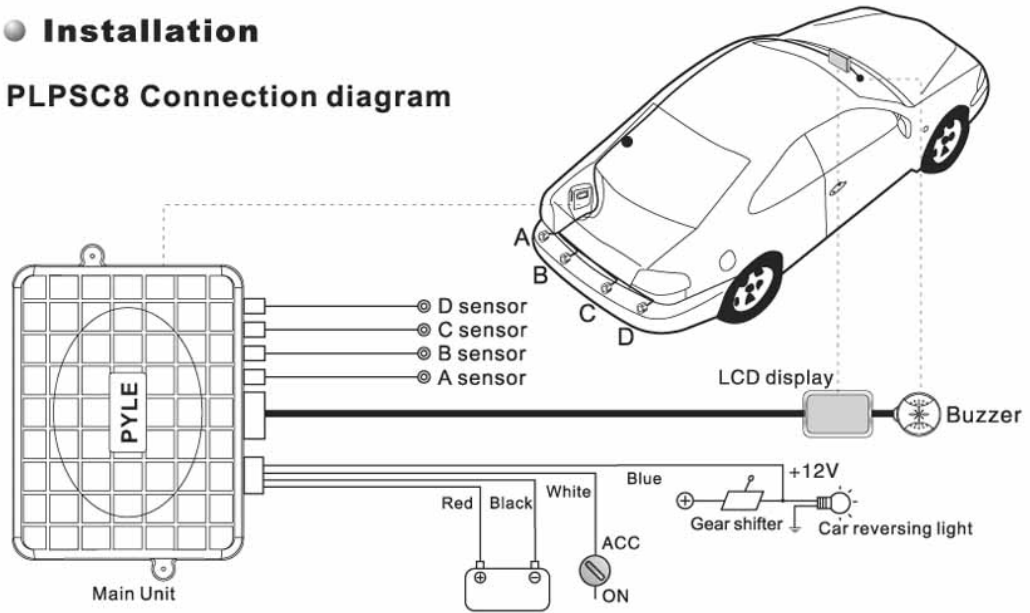


● Installation

PLPSC8 Connection diagram



System consists of ultrasonic sensor, LCD/LED display and control box. This system detect the distance between the car and back obstruction with the ultrasonic sensor installed at the rear bumper of the car. The distance will be display at LCD/LED display.

### ● Main features

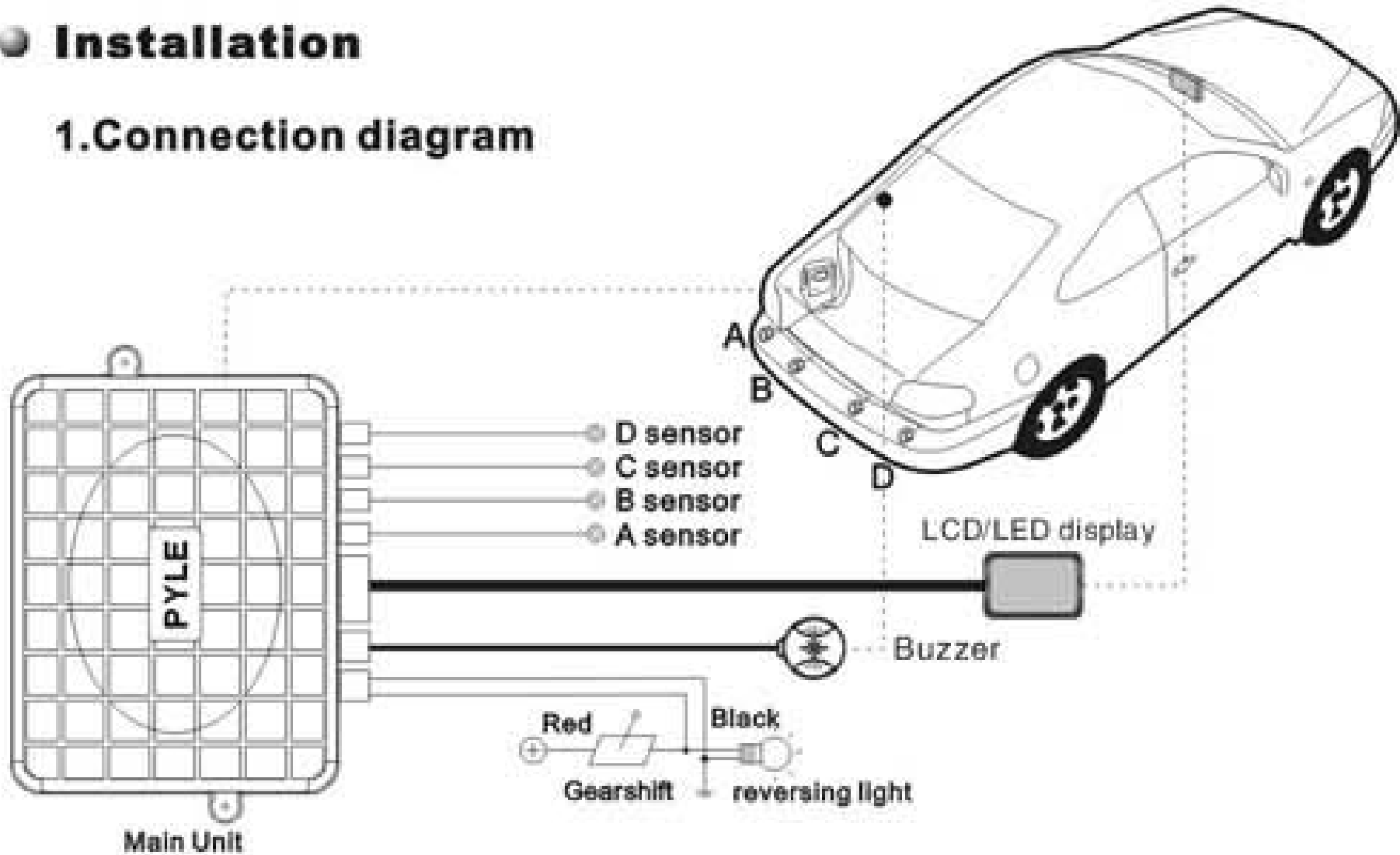
- ◆ Ultrasonic sensor
- ◆ LCD/LED display
- ◆ Buzzer
- ◆ Main control box

### ● Specifications

- ◆ Rated voltage:12V
- ◆ Operation voltage range: 10-15V(DC)
- ◆ Rated current:200mA~600mA
- ◆ Working temperature:-40~+80° C
- ◆ Detection distance:0.1~2M
- ◆ Display distance: 0.3M~2.0 M
- ◆ Alarming distance: 0.1M~1.5 M
- ◆ Alarming volume:  $\geq 75$ dB

## ● Installation

### 1. Connection diagram



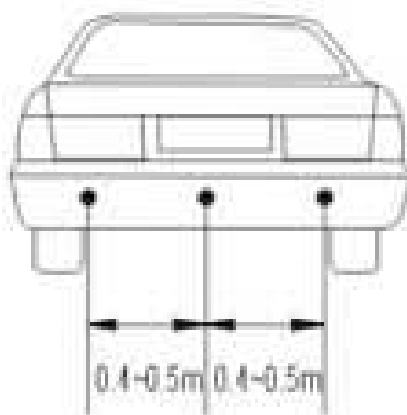
## ● **Installation**

### **Sensor installation**

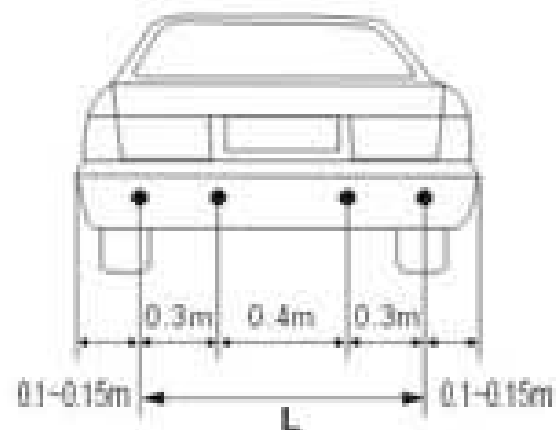
#### **1) Advised position to install the sensor**



**Install two sensor**



**Install three sensor**



**Install four sensor**

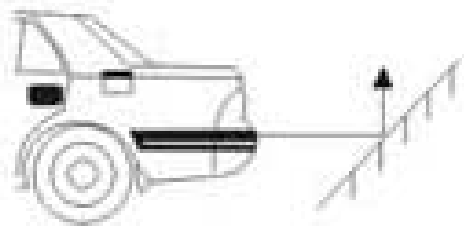
## TROUBLE SHOOTING

Trouble	shoot
No power /no display	<ul style="list-style-type: none"> <li>● Check power input wires.</li> <li>● Check ruse.</li> <li>● Check connection between control unit and display unit</li> </ul>
One or two sensors no respond or sensitive low	<ul style="list-style-type: none"> <li>● Check connection between power unit and sensors.</li> <li>● Plug out all sensors and plug individually to rind out the defective sensors.</li> </ul>
Display always same reading	<ul style="list-style-type: none"> <li>● Reset power input (shift again reverse gear)</li> <li>● Plug out all sensors and plug individually to find the defective display same reading.</li> </ul>
No display at LCD display	<ul style="list-style-type: none"> <li>● Check data cable between main unit and unit and LCD display.</li> </ul>

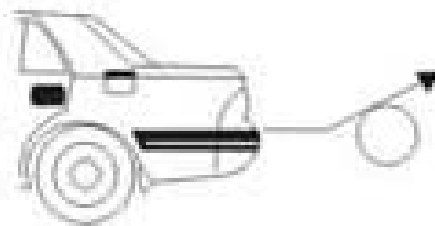
● **Use**

**2. Caution**

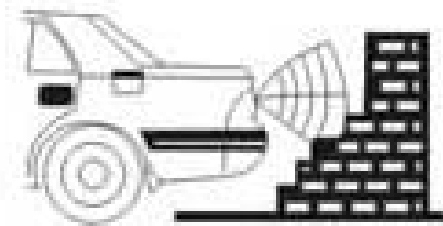
Objects maybe cause failure detection



**Smooth slope**



**Smooth round object**

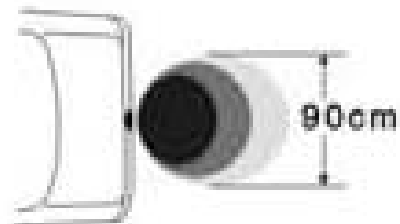


**Over-high installation position**

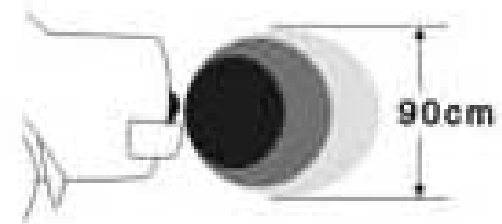
## ● Operation

### Detecting Range

1) The width scope of single sensor



Top view

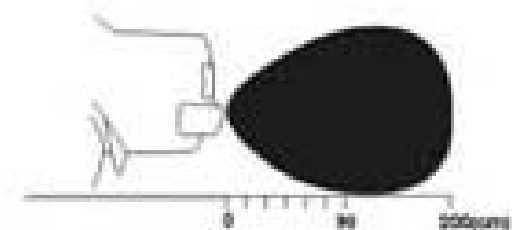


Side view

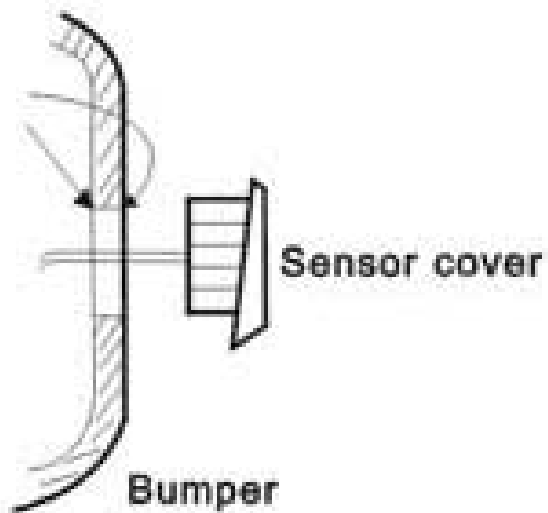
2) The probing distance



Top view

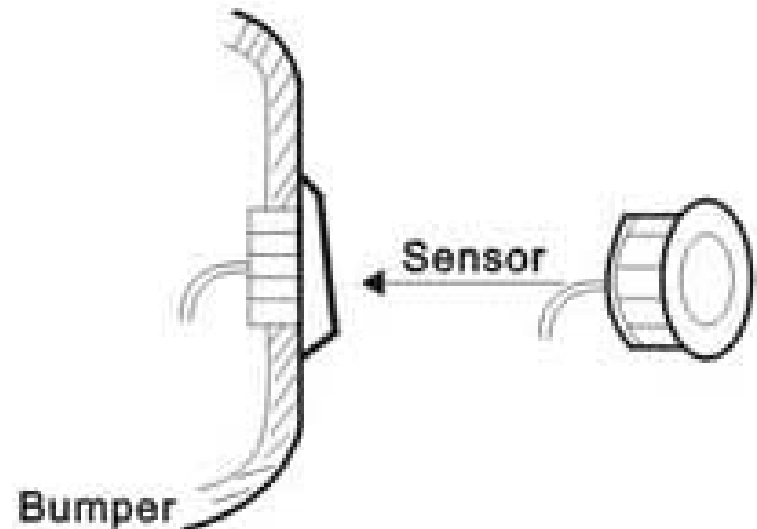


Side view



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**Step 1, install the sensor cover on bumper**



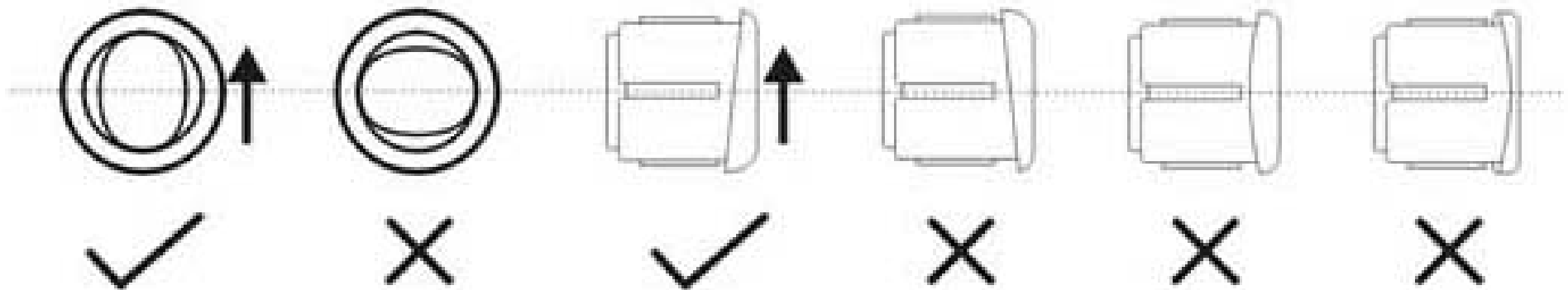
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**Step 2, Plug the sensor into the sensor cover**



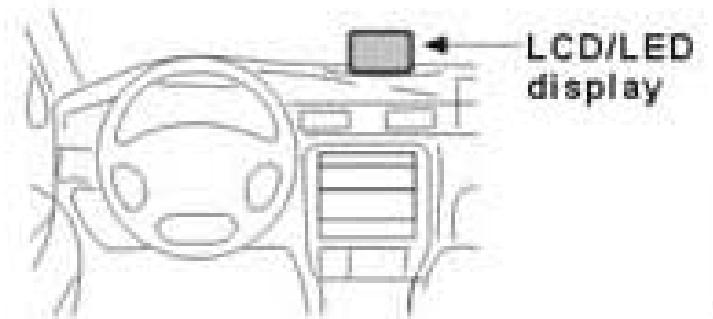
## ● Installation

### sensor installation

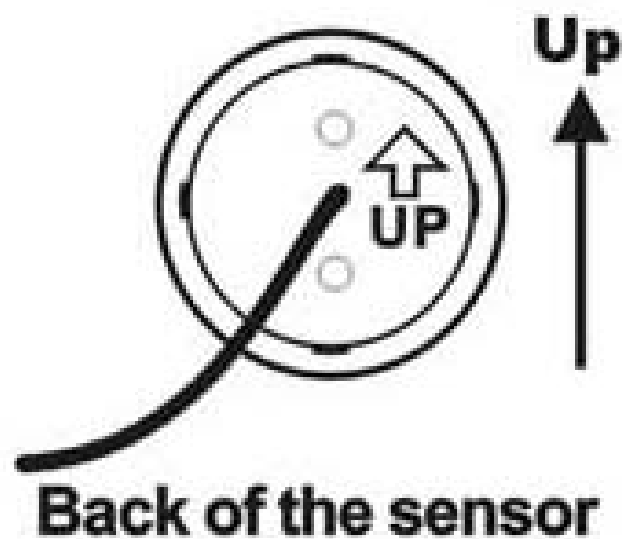
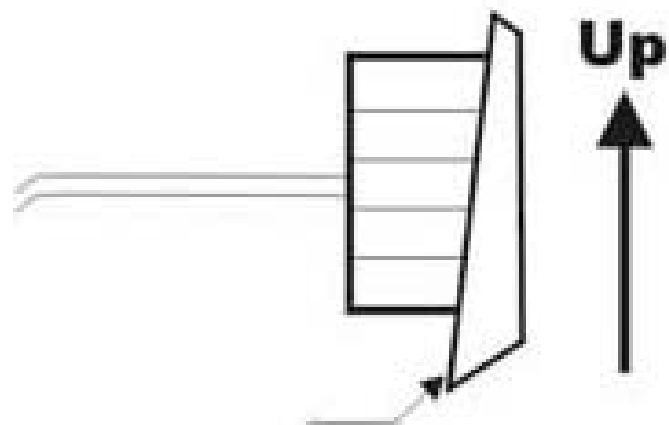


### LCD display installation

Glue the pedestal of monitor on the front platform of the car or the position the owner likes best. The position should be the best visual to the driver.

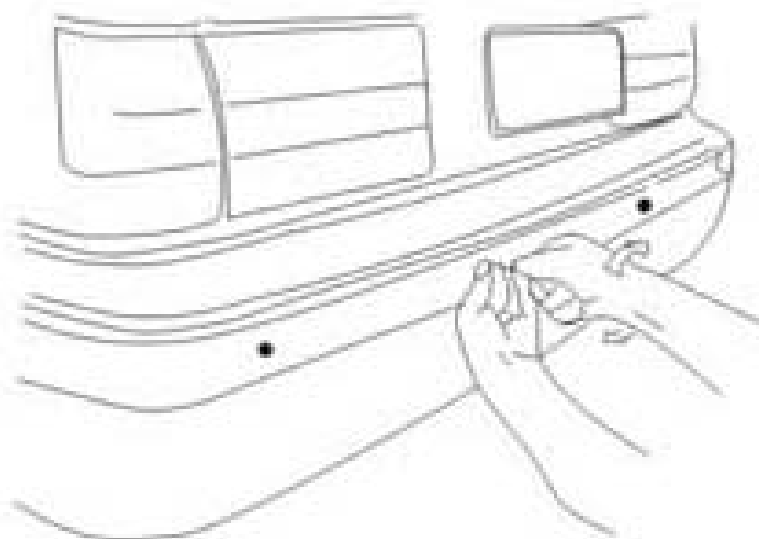


## 4. Sensor Installation

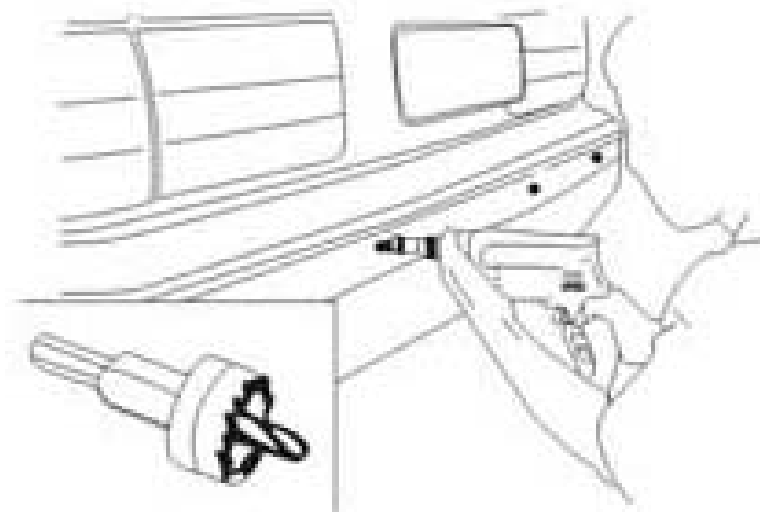


● **Installation**

**3) Drill**



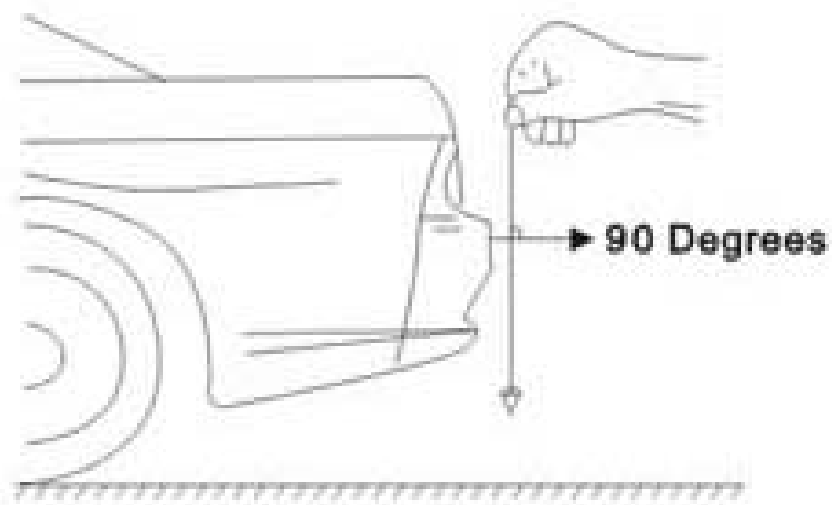
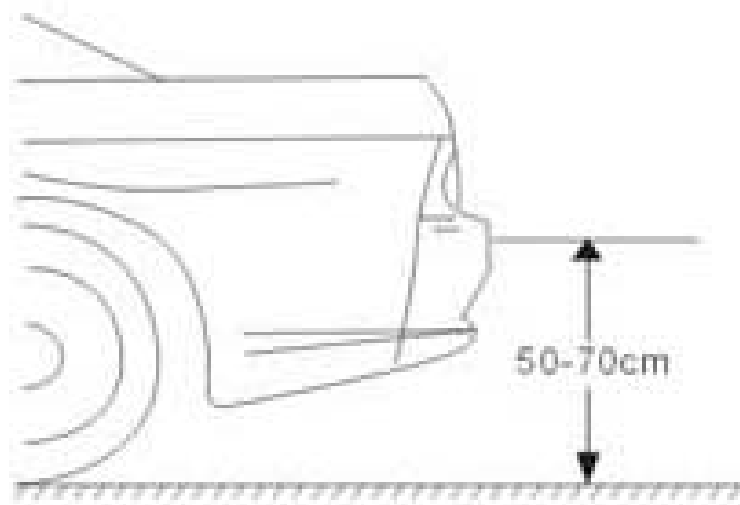
Determine the position of drilling by using a spear to make a point in order to avoid the slipping of drill



Point the drill at the position

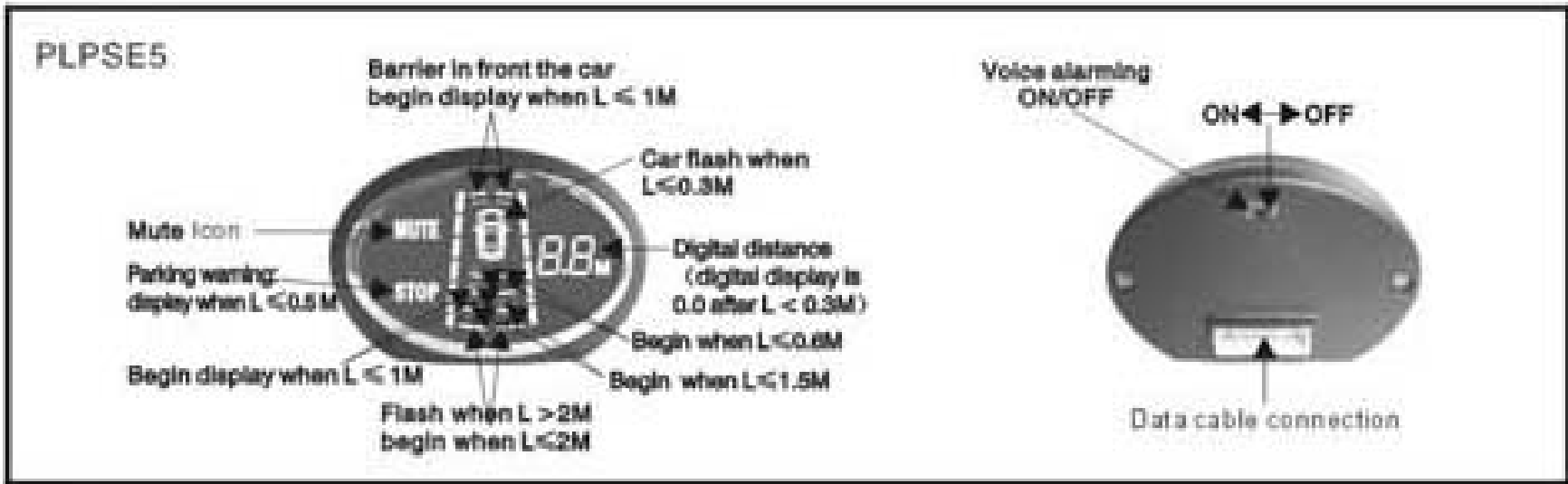
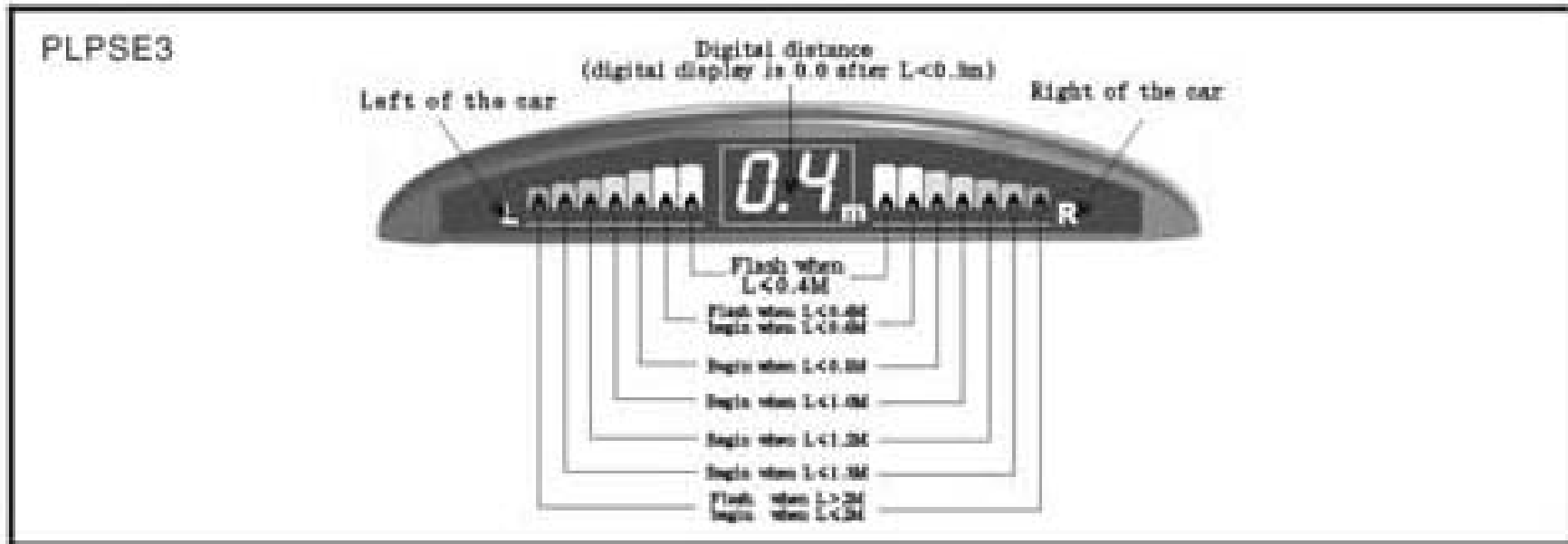


## 2) Sensor installation



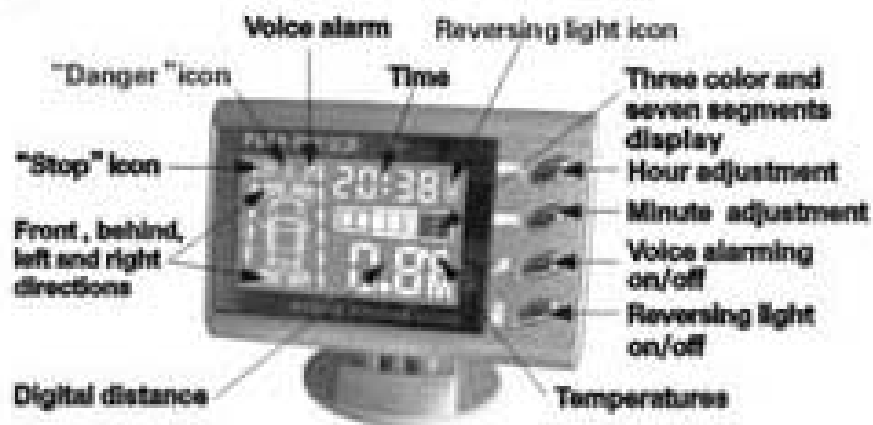
Stage	Distance	Alarm sound	Number	Voice
1	2M above	No sound	No Number	No voice
2	2.0M	No sound	2.0M	Two meter
3	1.5M	Beep...Beep...	1.5M	One point five meter
4	1M	Beep..Beep..	1M	One meter
5	0.6M	Beep..Beep..	0.6M	Zero point six meter
6	0.4M	Beep.Beep.	0.4M	Stop! Stop!Stop!
7	0.3M	BeepBeep	0.3M	No voice

\*PLPSE3 MUTE DISTANCE ALERT





**PLPSC8**



**PLPSV9**

"Danger" alarm:  
within 0.8 meter  
Obstacle marking  
Sound wave emission  
simulation



Digital distance  
"Stop" alarm:  
within 0.5 meter  
Mute

