

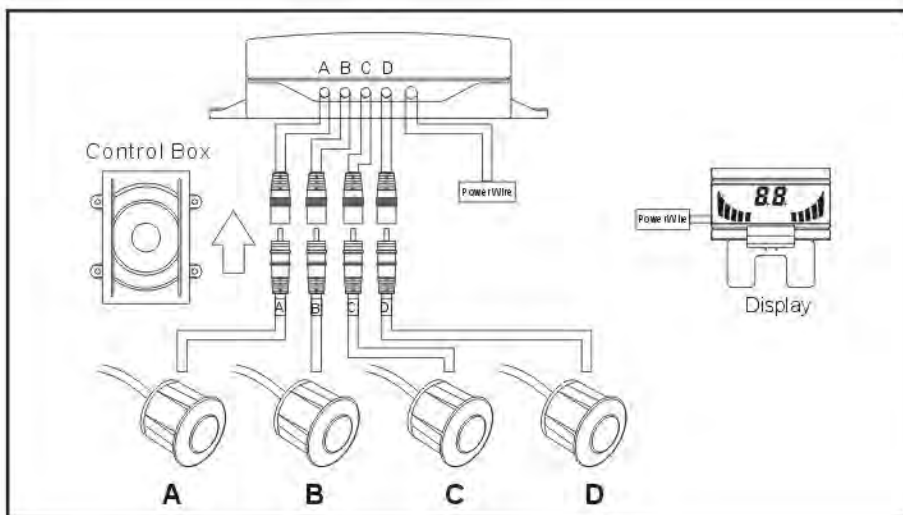
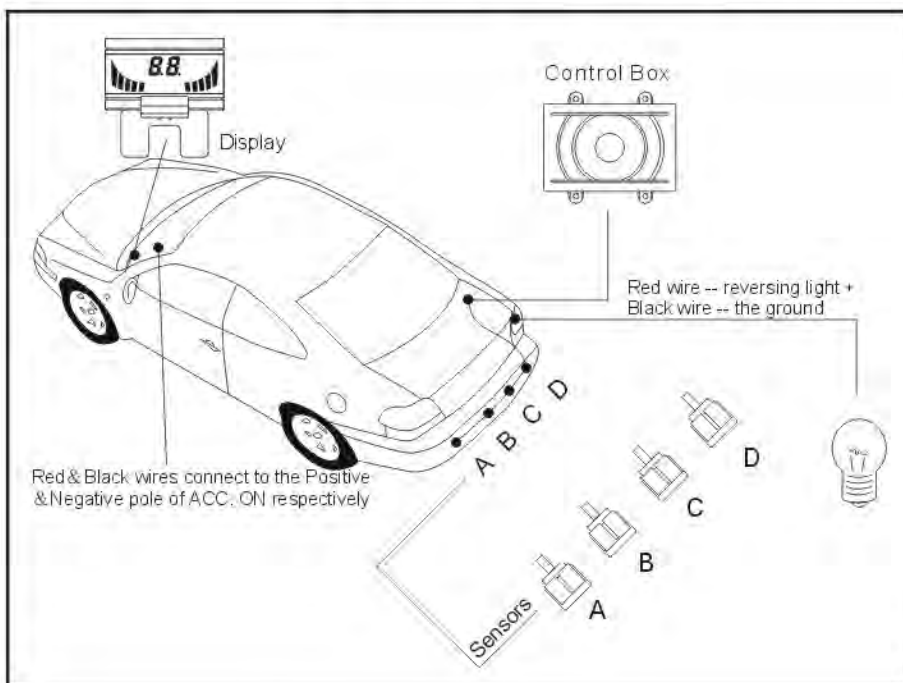
H-075(II)

WIRELESS PARKING SENSOR SYSTEM

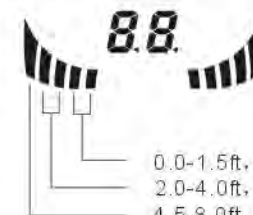
USER'S MANUAL



GENERAL INSTALLATION DIAGRAM



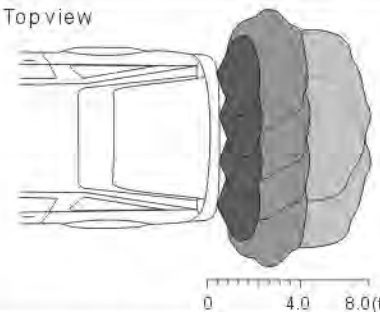
LED DIGITAL DISPLAY



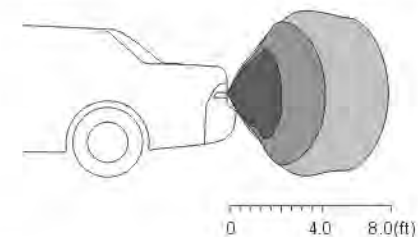
0.0-1.5ft, Stage 4	Danger Area	Red+Yellow+Green
2.0-4.0ft, Stage 3	Alarm Area	Yellow+Green
4.5-8.0ft, Stage 2	Safety Area	Green
>8.0ft, Stage 1	Safety Area	Extinct

DETECTING RANGE

Top view

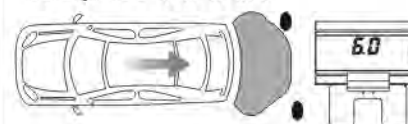


Side view

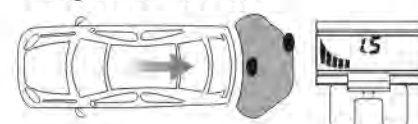


DISPLAY STATUS

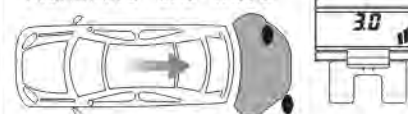
Safety Area 4.5-8.0ft



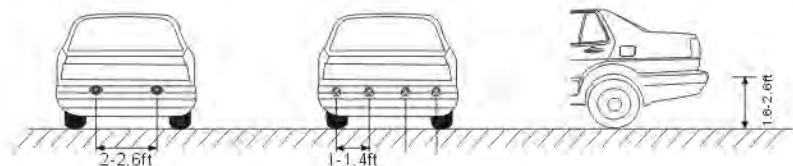
Danger Area 0-1.5ft



Alarm Area 2.0-4.0ft



SENSOR INSTALLATION DIAGRAM



The best position for 2 sensors The best position for 4 sensors

The direction of sensors (1)

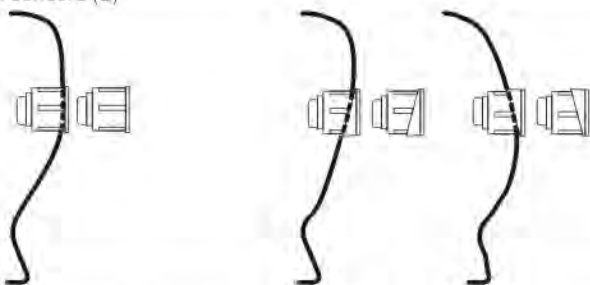
Insert-in



Insert-in



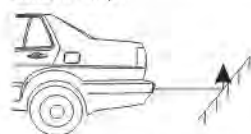
The direction of sensors (2)



Vertical installation position to the ground

Sloping installation position to the ground

Smooth slope

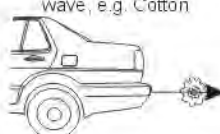


Objects hard to be detected

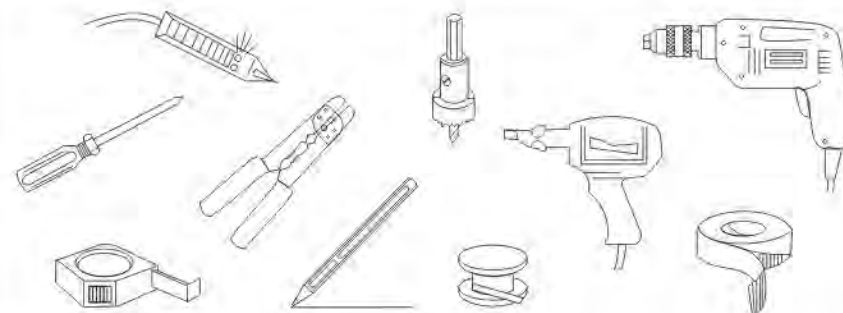
Smooth round objects



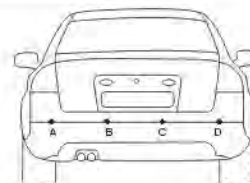
Objects absorbing wave, e.g. Cotton



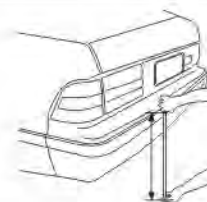
INSTALLATION TOOLS



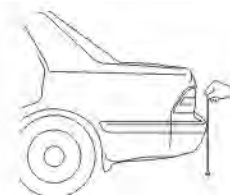
1. Advised position to install the sensors



A. 4 drilled holes (A,B,C,D) should be under the same line.

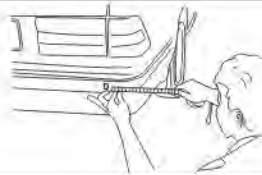


B. 1.6-2.6ft vertically high to the ground, 1.8ft is recommended.



C. Vertical, tidy surface without metal components is preferred.

2. Select drilling position for sensor A & D



A. Choose right drilling position for A & D sensor with relevant mark.



B. To perform the best detecting angle, select the position for A & D sensor 0.26-0.43ft away from the side, 0.36ft is recommended.

3. Select drilling position for sensor B & C

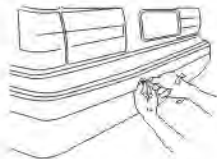


A. Measure the distance between sensor A and D, get the result "L".



B. Mark sensor B & C for every 1/3 "L" interval.

4. Drilling

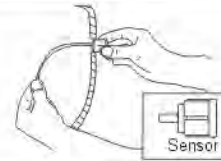


1. Firstly, use a small awl to locate.



2. Drill with the original drill.

5. Sensor Installation



1. Insert the sensors into the holes one by one and tighten them, the sensor with metal slice must be up and down fixed instead of right and left.

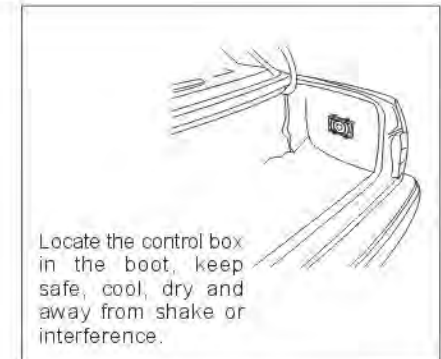


2. Hide the wires in good order according to various cars.

6. Others

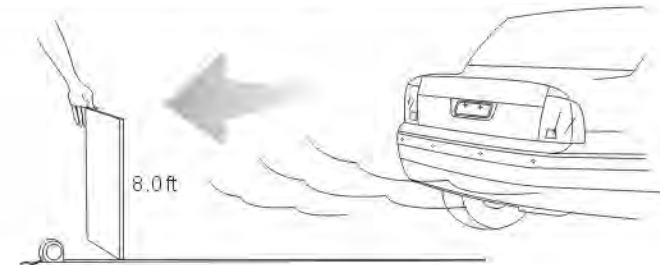


The display should be installed where easy to be seen



Locate the control box in the boot, keep safe, cool, dry and away from shake or interference.

7. Sensor Detecting



H-075(II) Wireless parking sensor system

Parking Sensor H-075(II) consists of ultrasonic sensors, digital control box of MCU and display. This system detects the distance between the car and the back obstruction by the ultrasonic sensors installed at the rear bumper. Distance signal is sent via wireless transmitter, the wireless receiver in the front of car receives distance signal and displays the obstacle in three colors, the distance and gives 3-stage alarm sound. According to the change of alarm color, alarms and figures. The driver could judge the distance to avoid accident.

MAIN FUNCTIONS

- "BiBi" alarm sound
- Digital distance display in three colors
- Direction indicator of left & right
- Three-color alarm
- Wireless transmission of detected distance
- Learn ID

TECHNOLOGY SPECIFICATIONS

- Rated voltage: DC 12V (DC 24V)
- Working voltage: DC 9-32V
- Working current: 20-200mA
- Detecting range: 1.5-8.0ft
- Ultrasonic frequency: 40KHz
- Working mode: 433.92MHz
- Controller working temperature: -30~+70°C
- Display working temperature: -20~+70°C
- Size of display: 75*52*43mm

ALARM MODE

Stage	Distance	Awareness	Alarm Sound	Digital Display	Alarm Color
1	>8.0ft	Safety Area	Silence	--	Extinct
2	8.0~4.5ft	Safety Area	Bi.....Bi.....	8.0~4.5	Green
3	4.0~2.0ft	Alarm Area	Bi...Bi...	4.0~2.0	Yellow+Green
4	≤1.5ft	Danger Area	Bi.....	1.5;0.0	Red+Yellow+Green

INSTALLATION STEPS

1. Choose position for sensors
2. Select drilling position for sensors A and D
3. Select drilling position for sensors B and C
4. Locate the positions and drill
5. Install the sensors and hide the wire
6. Install display
7. Install the control box
8. Connect the whole system according to the General Installation Diagram

INSTALLATION AND TEST

1. Adjust the directions of sensors and axial orientation, neaten the wiring after installing the sensors.
2. The red&black wires of control box are for DC anode&DC cathode respectively.
3. Put the car into reversing, the reversing light is on, then the display shows"--"indicating the car turns into reversing status.
Test: a. If the buzzer alarms all the time, showing"0.0", please check if any part of the car or obstruction falls into detecting range or the sensors are fixed too tight or placed in great vibrancy or interference(such as vent-pipe, wiring nearby). b. If any figure is displayed, with no obvious obstruction around the sensor, it may detected the earth or some out shoots in the back (such as registration mark, spare wheel, bumper etc.). Please check the directions of the sensors and axes. c. Any problem after examination leads to the conclusion that the sensors are defective or unmatched with digital control box, which needs entire replacement.
4. It can detect normally and show corresponding alarm color, sound and distance figure in the case of placing a 1.0×4.0ft board right before the sensor in distance of 8.0ft. (refer to the diagram of sensor test)

LEARN ID

Each H-075(II) control box has a unique ID to ensure the confidentiality and reliability of data transmission during communication with corresponding display. The display has the function of learning ID, in order that the user could replace the display or control box if necessary. Operation as following:

1. Connect control box according to User's Manual, then put the car into reversing to make control box enter working status;
2. Connect the display with power, press the button on display back 3 times continuously, the display system will store the ID of control box automatically;
3. Make the display be in power off and repower it, then it could display the reversing distance detected by control box.

NOTE

1. If this product is used for vehicle that longer than 8m, please make the receiving antenna on receiver back upright to better its receiving effect.
2. Its performance may be affected in following situation: heavy rain, gravel road, bumpy road sloping road and bush, very cold, hot or moist weather, or the sensor is covered by ice, snow or mud.
3. Switches among ultrasonic, electric wave, DC and AC and those among 24V, 12V voltages may also effect its performance
4. The sensors should be installed appropriate loose or tight.
5. Its performance will be effected if the sensors are fixed on metallic bumper.
6. Avoid installing the digital control box in places of great interference, such as vent-pipe, wiring nearby.
7. Test the system to make sure it works normally before using
8. This system is a reversing aid and the manufacturer will take no responsibility for any accident after the kit is installed.

This device complies with Part 15 of the FCC Rules.

Operation is 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.

FCC NOTE :

THE MANUFACTURER IS NOT RESPONSIBLE FOR ANY RADIO OR TV INTERFERENCE CAUSED BY UNAUTHORIZED MODIFICATIONS TO THIS EQUIPMENT. SUCH MODIFICATIONS COULD VOID THE USER ' S AUTHORITY TO OPERATE THE EQUIPMENT.