

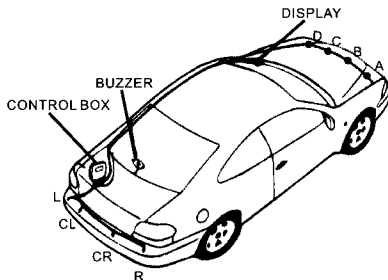
GENERAL

Parking Sensor is a modern supervisory system on an ultrasonic basis for motor vehicles. It checks the place behind the vehicle during reversing procedures and warns acoustically against obstacles, which are detected through the device. This Parking Sensor provides an assistance when reversing and does not relieve the driver of the special caution required when reversing. This Parking System consists of 2-8, Ultrasonic Sensors, one Control Box and one Piezo-speaker. It has been laid out for assembling in passenger cars and estate cars.

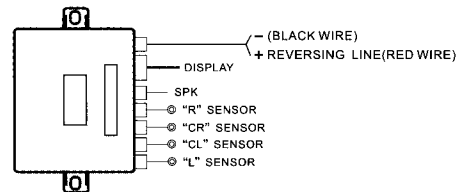
1. The distance display for the obstacle behind of the car.
2. The closer to obstacle, the hurried buzzer warning.
3. Blue, green, yellow, orange, red color shows far and near distance in sequence of the obstacle behind of the car.
4. The location display for the obstacle behind of the car.

SINCERELY THANK YOU FOR USING THE SYSTEM

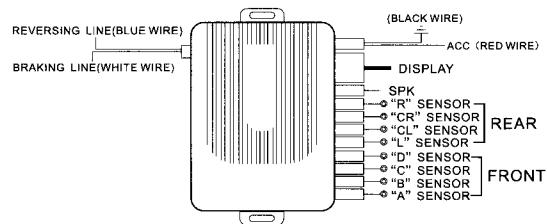
SCHEMATIC DIAGRAMS FOR INSTALLATION AND WIRING



(1) 2-4 SENSORS



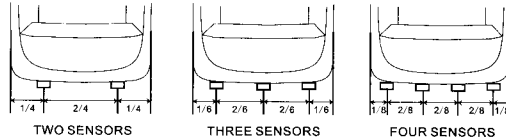
(2) 6-8 SENSORS



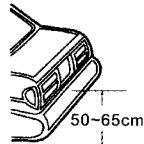
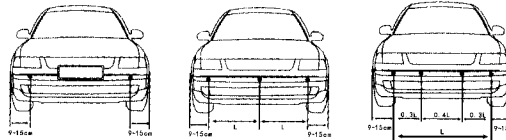
INSTALL SENSORS

The ideal height to mount sensors is 45cm to 55cm where the bumper is vertical to the ground or a little bit facing upwards. Mark positions on the bumper as suggested below:

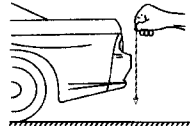
REAR



FRONT



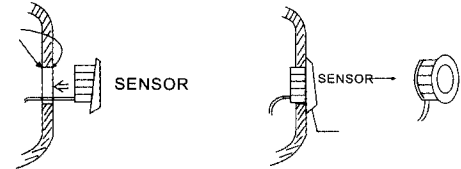
0.55m is recommended in case of 0.5-0.65m distance to the ground.



A vertical & flat place without metal materials is a must.

INSTALL SENSORS

Drill 20mm, 21.5mm, 22mm or 24.5mm diameter holes as per size of sensors. Push-fit the sensors into the holes. Make sure they fit well. To avoid damage always ensure that there is enough clearance for the drill bit to emerge and depth of the sensor body when push into fully fitted position.



ALARM MODE

REAR

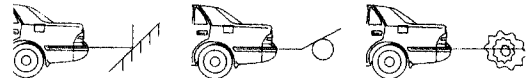
| RANGE | DISTANCE | ALARM |
|-------|----------|--------------|
| 1 | 2.0-1.2M | Mute |
| 2 | 1.2-0.9M | BI---BI--- |
| 3 | 0.9-0.7M | BI--BI--BI-- |
| 4 | 0.7-0.4M | BI-BI-BI- |
| 5 | <0.4M | BIBIBI-- |

FRONT

| RANGE | DISTANCE | ALARM |
|-------|----------|----------|
| 1 | 1.2-0.8M | Mute |
| 2 | 0.7-0.0M | BI-BI-BI |

OPERATING

Due to the obstacle's position, angle or size, the reflected signal may not reach the receiving sensor. Complex reflections may also occur in a complex environment causing inaccurate detection.



Parking Sensor is strictly meant as a drivers aid when parking or backing up your vehicle. Not all objects will be detected by your sensors, therefore you must exercise caution and common sense when reversing your vehicle.

WARNING

TECHNICAL DATA

- (1)Detection distance: to 1.5 meters
- (2)Detection accurate: < ±5cm
- (3)The best range: < 0.9 meters
- (4)Operating frequency: 40KHz
- (5)Voltage range: 12~24v
- (6)Current Consumption:

| MODE STATE | DISPLAY | NO DISPLAY |
|---------------|---------|------------|
| Stand-by | 40mA | 20mA |
| Operating | 180mA | 30mA |

- (7)Operating temperature: -30~+85°C
- (8)Piezo-speaker: 80~100dB(at 30 cm distance)

TROUBLE-SHOOTING GUIDE

| PROBLEM | REASON | SOLUTION |
|--|---|--|
| System does not work when reverse | Bad connections of main power lead Bad jack connection | Check power lead Reconnect all jacks |
| Audio alarm/same distance displayed displayed | Sensor detects the ground | Reset the system Adjust angle of sensor installation |
| No any audio alarm when obstacle is in detection | Bad sensor connection | Reset the system Reconnect sensors |
| False alarm | Sensor detects the ground System sensitivity is too high | Adjust angle of sensor installation Ask your dealer /professional installer to adjust sensitivity |

1、 The Parking Sensor system is strictly a driver assistance device, it is not a substitute for driver responsibility when operating the vehicle.

2、 When driving your car in reverse and using the Parking Sensor, you must confirm the rear surroundings of your car, first.

3、 When it bips at it's constant bipping sound, do not reverse your car anymore, because it is indicating a danger area with in 40cm of your rear bumper.

4、 Check your Sensor for any dirt or snow. This should be cleaned in order to function properly.

5、 In case of waterdrops kept on the surface of the sensor (eg. Washing, raining etc.),the sensitivity will be possibly decreased about 20% unless they evaporate.

6、 Keep all the cables of Parking Sensor from the vicinity of high temperature objects such as engine or exhaust which can make the system fail.

7、 The design of Parking Sensor is very complicated. Privately open it by user will only damage the completeness of Parking Sensor. So, if there is any problem caused by above ignorance, our company will not take any responsibility.