

PARKING LIBERTY 2

SV020302

- **User's Guide**



**SEVIC**  
SYSTEMS  
[www.sevic.com](http://www.sevic.com)

## **Important Notice**

The parking assistant system is designed as a reversing aid. It is not a substitute of the driver's responsibilities normally assumed when reversing. The manufacturer cannot be held responsible for any damages caused by reversing only by relying on this system. Proper driving skills, such as slow down; use of mirror or lookout etc. are always essential.

- 1- this unit is for vehicles with 12V DC only
- 2- It should be installed by a professional
- 3- It is strongly advised to ensure that Parking Liberty functions properly before the final installation and check again the position of the sensors before the definitive drilling of the holes
- 4- Avoid high temperatures and high voltage while laying out the wire harness
- 5- Wire connection point should be insulated
- 6- Conduct test after finishing the installation

## **About Parking Liberty**

Parking Liberty is an ultrasonic distance monitoring system. It electronically detects the area behind your vehicle during reversing and alerts you with audible tone and digital display if there is an object behind your car.

Every piece of our product has passed them most stringent test before release to the market. It is reliable at a wide temperature range (-40°C to +80°C) and becomes very useful when your are reversing at a raining day, snowing day or at night.

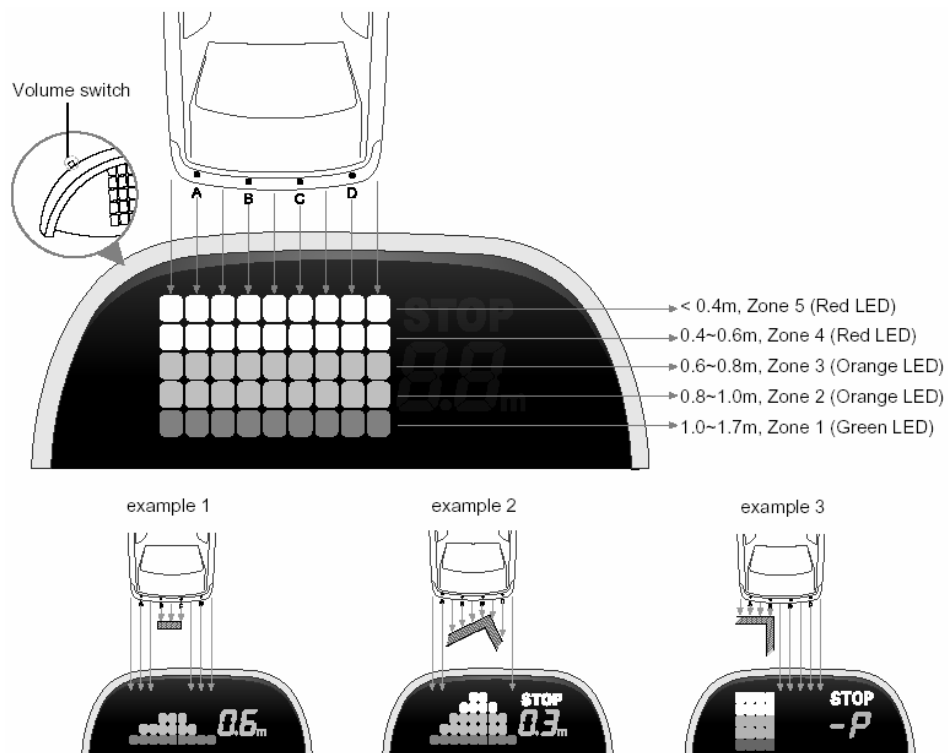
### **Features:**

1. Detection distance: 0.3 to 1.79 m
2. No wire from ECU to display
3. Self-test function activated by reverse gear
4. 3-colour matrix LED display shows the object's location
5. Anti-false alert technology
6. All weather design (-40°C to +80°C)
7. Easy installation
8. Volume control

### **Specifications:**

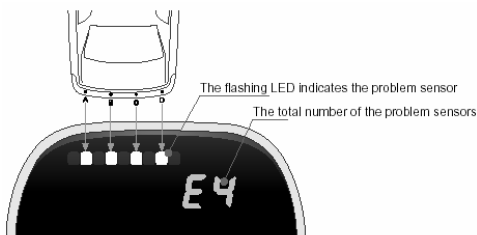
- a. Voltage: 12 V  $\pm$  3V
- b. ECU working current: 35mA  $\pm$ 5mA
- c. Display working current: <270mA
- d. Buzzer: 70 – 90dB

## The Digital Matrix LED Display



## Self-test Function

The system will test all the sensors when the reversing gear is engaged. If all the sensors are normal, the system will beep once and the LED display will flash once. If there is any problem with the sensors, the system will beep 3 times to indicate that one or more sensors have problems.



Sensor A has problem (E1: 1 problem sensor)



Sensor A,D have problem (E2: 2 problem sensors)

check the problem sensor or replace the damaged sensor

## How Does the System Work

The system will test all the sensors when the reversing gear is engaged and then the system detects objects.

the object distance is: >1.8m  
Zone 1 green LED of display will flash



Zone 1 green LED of display will flash

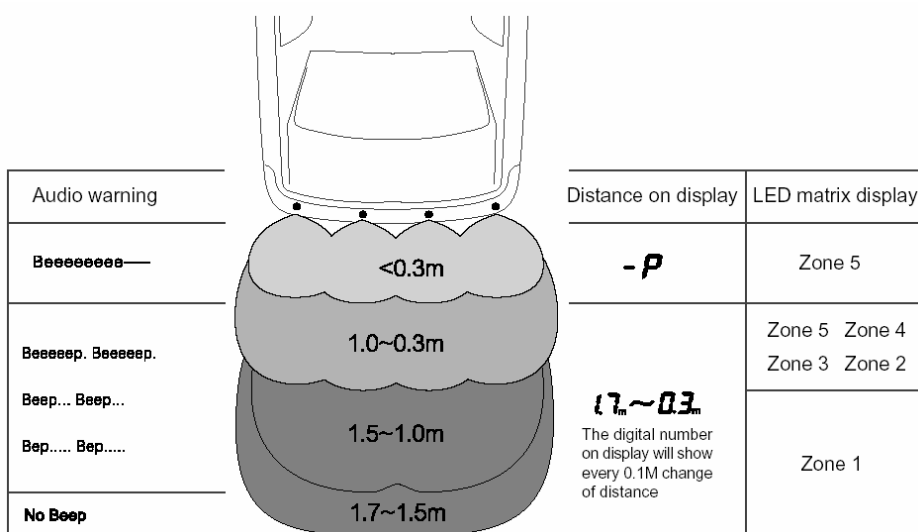
the object distance is: 1.7-0.3m  
the display will show the distance by digital number and show the object's location in the matrix LED display.



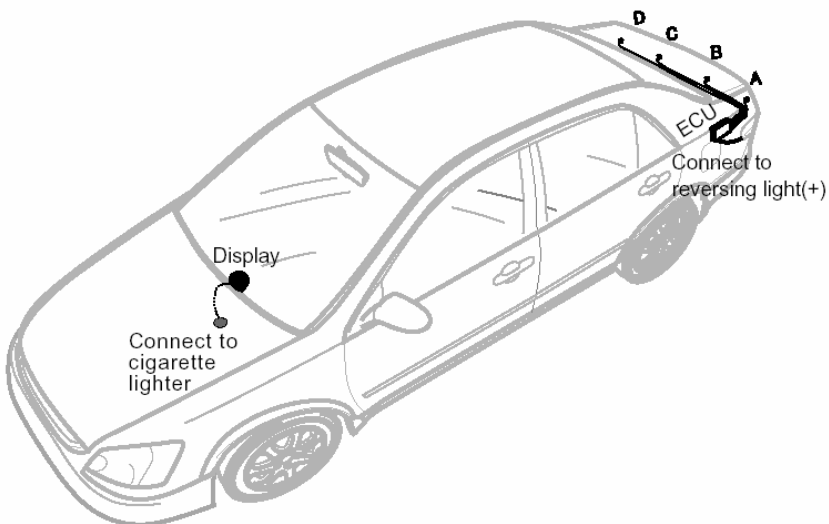
the object distance is: <0.3m  
'P' will be show and 'Stop' will flash on the display



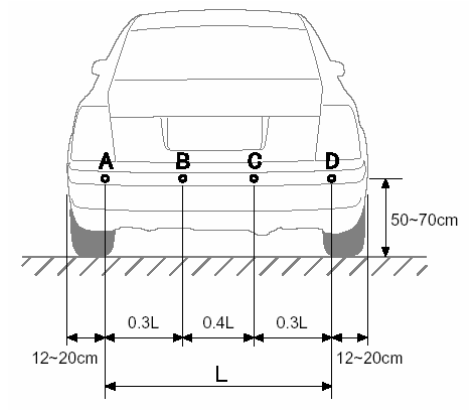
## Digital Number Display + Audio Warning



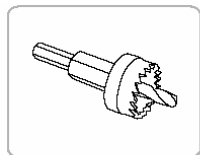
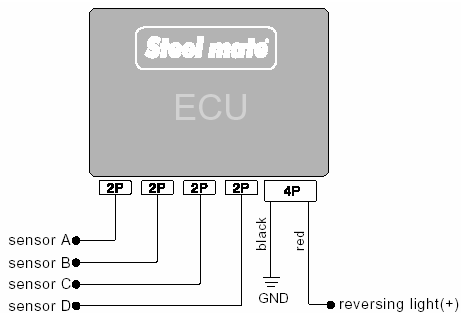
## Installation Diagram



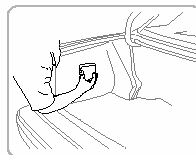
## How to Install the Sensor



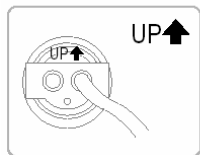
## ECU Installation



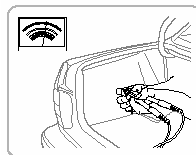
1. Check the size of the hole saw to be compatible to the diameter of the sensor.



Mount ECU in trunk

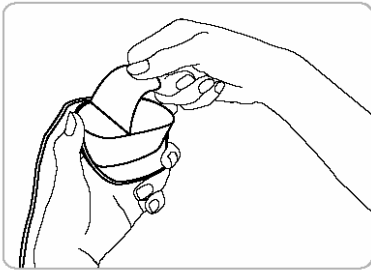
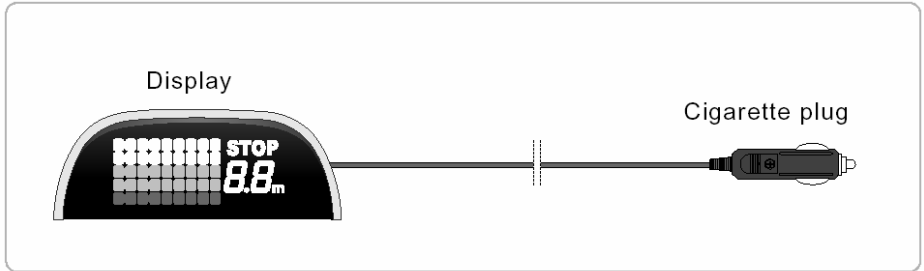


2. Install the sensor vertically, the "up" sign must be on upside.

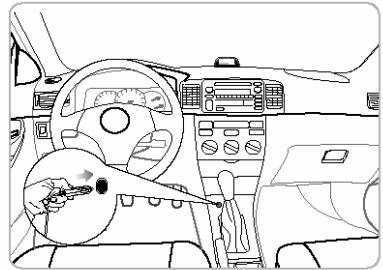


Connect the red wire to reversing light(+)

## Display Installation

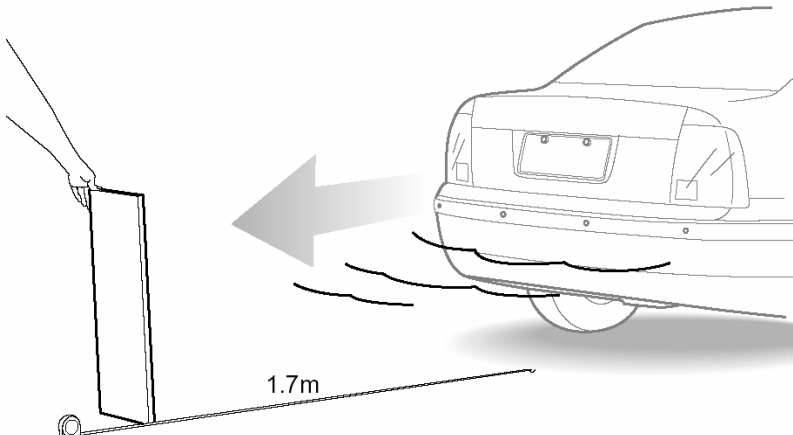


Take off the 3M sticker of the display.



Insert the plug into the vehicle's cigarette lighter.

## Function Test After Installation

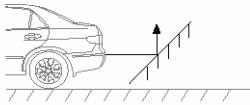


Testing the system features with a wooden plate (20cm wide x 1m high) after the installation.

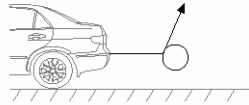
## **Attention**

Misleading detection may occur due to the following cases:

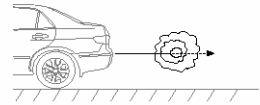
Smooth sloping surface



Smooth round object



Items absorbing sound, e.g. cotton



1. Heavy rain, dirty or damaged sensor could result in misleading detection.
2. Check if the system is in order before use.
3. Please replace the damaged sensor when the system detects it.
4. the product is a driver assistant device. No warranty as to operating efficiency and accident is provided. It is not a substitute for the driver's responsibility when driving the vehicle.
5. Do not paint over the sensors as this will affect the performance.

## **Trouble Shooting**

1. No beep at power up or no LED light flashing
  - 1) is the power wire correctly connected to the ECU?
  - 2) verify the ground connection
  - 3) have you connected the correct reversing light wire?
2. False warning tone or false LED flashing
  - 1) is the sensor mounted too low or pointing to the ground?
3. Sensors do not detect any objects
  - 1) are the sensors properly plugged into the correct sockets?

If the problem persists please follow these steps:

- A. for consumers: contact your dealer or nearby service centre
- B. For installer or dealer:
  - 1) replace the ECU and recheck the system
  - 2) test the sensors with certified ECU using a flat wooden board
  - 3) plug the certified sensors into the ECU and recheck
  - 4) email your questions to [svc@sevic.com](mailto:svc@sevic.com) and we will reply ASAP.

## **Warranty Terms And Conditions**

### **1) Coverage :**

Claims can be validly made only upon presentation of proof of purchase through an invoice or receipt.

### **2) Application :**

The present warranty enters into effect on the date of delivery to the user.

### **3) Period of validity :**

2 years warranty for the device - 90 days for the accessories (components of the product).

### **4) Validity of warranty :**

- a) Without prejudice as to the legal guarantee according to article 1641ff of the civil code, the products are under warranty if used according to the directions included in the instructions.
- b) The warranty is valid only for the first user conditionally to the device being used wisely and under normal conditions, i.e. suitable for the product.
- c) The warranty covers all repairs and/or replacements of components and accessories which are recognized as being defective by our technical department, without any granting of damages.
- d) The performance of the obligations resulting from the warranty does not entail an extension or renewal of the warranty period, except in case of components which are replaced and which fall under the legal guarantee (i.e. in case of exchange or repair under warranty, the period will be neither extended nor renewed. In this case, the warranty and the period of the first warranty will remain applicable).

### **5) Damages not covered :**

As the device is recognized as being in good working condition and without noticeable defect, THE WARRANTY DOES NOT COVER :

transport costs, nor charges relating to an intervention at the address of the purchaser. Scratches, splinters or marks in the packaging of the device or its accessories which were not noted at the time of delivery / breakable accessories, except in case of manufacturing defects recognized by our technical department. Moreover, we waive any liability for general damages resulting from a defect in the functioning of our devices and which are not relating to the devices themselves. This will in no case entitle to any indemnification for damages caused to disks because of a halt of the device.

### **6) Exemptions from the warranty are the following :**

Interventions due to a faulty installation or connection / a failure in the electrical installation of the premises or vehicle or of nominal values provided for the supply of the device / a wrong manipulation or bad use by the user, insufficient or incorrect maintenance / a fall of or a blow to the device or an accessory / a lack of protection of the device and its accessories at the time of the transport by or for account of the user.

### **7) The warranty is cancelled :**

For devices and accessories having been repaired or altered by persons not authorized by us or whose manufacturing number was altered or deleted.

### **8) For repairs :**

Please contact your retailer.

### **9) For any disputes or litigation :**

The law courts of Luxembourg are exclusively competent.

### **10) For all information :**

Contact : SEVIC SYSTEMS Luxembourg S.A.  
Zone Industrielle Breedewues  
L-1259 Senningerberg  
Phone: (+352) 26 34 57 29 Fax: (+352) 26 34 57 27 Email : svc@sevic.com