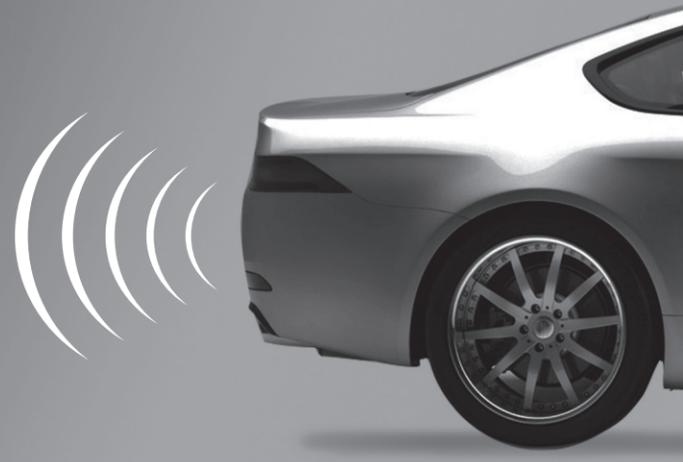


# Parking Assist System

## Manual



Think Safety Think Steelmate

Steelmate Automotive UK Ltd  
Unit D1 Ivinghoe Business Centre  
Blackburn Road  
Houghton Regis  
Bedfordshire  
LU5 5BQ

T: 01582 475677 F: 01582 476497  
W: www.steel-mate.co.uk  
E: enquiry@steel-mate.co.uk



### Technical parameter

- Input voltage 9~16V DC
- Beep SPL 70 ~ 90 dB
- Buzzer range 0.3m~1.5m/1ft~4.9ft
- Sensor installation height 45 cm ~ 65 cm

### Self-test function

When reverse gear is selected, the system will test all rear sensors A, B, C and D automatically.

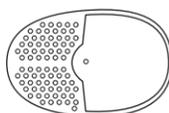
If all sensors are working normally, the buzzer will beep once.

If a damaged or defective sensor is detected, then the system will:

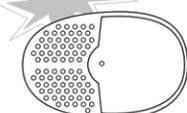
- Beep three times
- Other sensors will continue to function normally.

1. All sensors are working normally    2. Damaged sensor is detected

Beep once



Be...Be...Be...



### Learning Function for car with tow bars or spare tyre

1. Using the learning function.

With the system powered off (vehicle in neutral) move the learning switch on the ECU from the "off" to the "on" position. Turn the vehicles ignition on and select reverse gear. After approximately 3 seconds there will be a beep to indicate the system has entered learning mode. Leave the vehicle in reverse for a further 2 seconds until you hear 2 more beeps, this indicates the learning function has completed. Immediately after hearing the 2 beeps take the vehicle out of reverse gear, turn ignition off and move the learning switch on the ECU back from "on" to the "off" position. The kit has now learned any fixed objects and will ignore these.

2. Resetting the learning function.

With the system powered off (vehicle in neutral) move the learning switch on the ECU from the "off" to the "on" position. Turn the vehicles ignition on and select reverse gear. Leave the vehicle in reverse gear until you hear a 2 second long beep this will be after approximately 10 seconds of the kit being powered up. In the 10 second period ignore all other beeps you hear. Immediately after hearing the 2 second long beep take the vehicle out of reverse gear, turn ignition off and move the learning switch on the ECU back from "on" to the "off" position. The kit has now cleared its memory of all learned objects.

### Important notice

This parking assist system provides the driver assistance when reversing. Driving skills such as slowing down, the use of mirrors etc. is always essential.

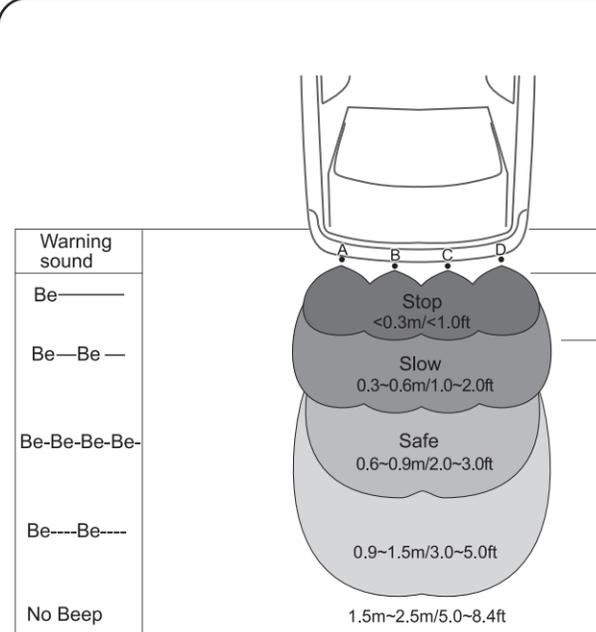
1. This system is for vehicles with 12V DC.
2. This system should be installed by a professional auto electrician.
3. Route all wiring harnesses away from heat sources and vehicle electrical systems.
4. It is strongly recommended to check the location of the sensors are within the correct specification heights and distances apart before the actual drilling of the holes.
5. Perform test of the system after finishing the installation.

### Disclaimer

This parking assist system is designed as a driver assistance device and should not be used as a substitute for safe parking practices. The area into which the vehicle is to be reversed must be constantly visually monitored while parking.

The manufacturer and its distributors do not guarantee or assume liability for collisions or damages while reversing your vehicle.

### How does the system work



### About the product

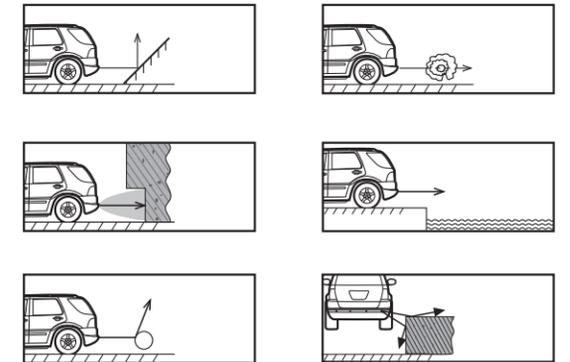
The PTSC1 is a 4-sensor rear parking assist system that is an ultrasonic distance monitoring device. It electronically detects the area behind your vehicle while reversing, and alerts you with audible tones if the system detects an obstacle. With features like self test and learning function the PTSC1 is ideal for vehicles with tow-bars or spare wheels.

### Key features

- 4 sensor system with audible buzzer
- Anti-false alert technology
- Self-test function
- All weather design

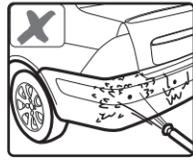
### Attention

False detection may occur in the following situations:

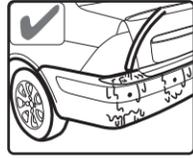


- After installation, please fully test the system before use.
- Heavy rain, dirty or damaged sensors may cause false warning occasionally.
- Ensure that the self-test procedure is completed and all the sensors are functioning before using the system.

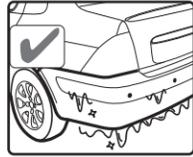
## Sensor maintenance



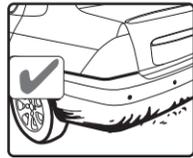
Do not wash the sensors with a pressure washer or scrub them forcibly.



Please wash the car with low-pressure water.



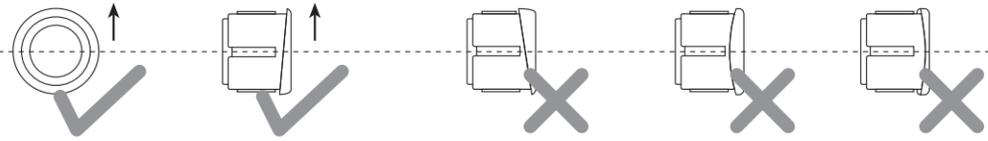
Please melt the ice with water when the sensors are covered by ice.



Please clean the sensors with a cloth or low-pressure water when the sensors are covered by mud or snow.

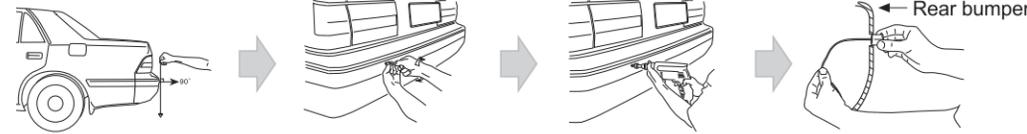
## Sensor installation

Important notice: the sensor should be installed vertically



The sensor should be installed vertically

Improper installation will result in false alert



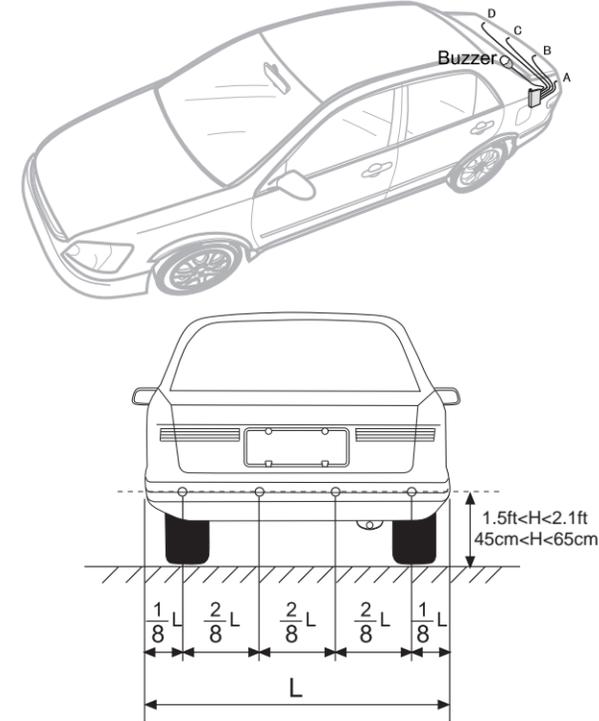
The sensor should be installed vertically.

Mark the sensor position then drill a pilot hole to prevent the hole saw slipping.

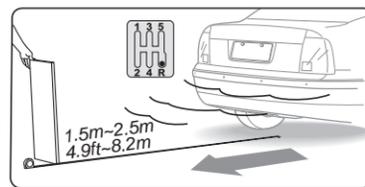
Cut the sensor hole in the bumper with the hole saw.

Push the sensor into the hole.

## Installation diagram



## Function testing



To test the system is functioning correctly hold a wooden board (0.3m x 1m/1ft x 3.3ft) at the back of the vehicle and either reverse the vehicle towards the board or walk towards the vehicle with the board to test each sensor functions correctly.

## Troubleshooting

### • After installation, the buzzer doesn't work

- Are all wires connected properly?
- Is the vehicle's ignition ON?
- Is reverse gear engaged (the reverse light should be on)

### • Damaged sensor detected

- Are all sensors plugged into the ECU correctly and tightly?
- Is a sensor faulty or damaged?
- Is a sensor covered by mud or snow?

d) Is a sensor cable faulty or damaged?

### • False warning

- Are all sensors plugged into the ECU in the correct position tightly?
- Does any sensor detect the ground?

### • If the problem persists, please follow these steps

- For consumers: contact your dealer or nearby service centre
- For installer or dealer:
  - Replace the ECU and recheck the system
  - Test the sensors with certified ECU by using a flat wooden board
  - Plug the certified sensors into the ECU and recheck
  - Email your question to us and we will reply ASAP

## Warranty information

This product is covered by 12 months warranty and a free 2 years additional warranty can be claimed by simply registering this product online at [www.steel-mate.co.uk](http://www.steel-mate.co.uk). The standard and additional warranty only cover the replacement of faulty parts. Steelmate are not liable and will not pay any labour costs incurred during the removal and or re-installation of warranted equipment or parts. Our warranty department is open from 09:00-17:30 Mon-Fri and can be contacted by telephone on 01582 475677 or by email ([warranty@steel-mate.co.uk](mailto:warranty@steel-mate.co.uk)) should you require any further assistance.

## Warranty card

### Dear user:

Thank you for choosing this product. Please fill the form below and retain it.

### User's information:

User:
Tel:
Vehicle registration No.:
Product model No.:
Serial No.:
Date of installation:
Name of the retailer

