About the product

A Parking assist system uses ultrasonic sensors to monitor distances. It electronically detects the area at the rear of your vehicle while reversing, and alerts you with an audible tone/visual warning if there is an obstacle behind your car.

This product features a self-test and learning function which is ideal for cars with tow-bars, or with spare wheels located at the rear.

Each part of this product has passed rigorous testing before being released to the market and is reliable at a wide temperature range.

The unit is warranted for a limited period of time from the date of purchase. In the unlikely event of a defect arising in this product when used in accordance with the manufacturer's instructions, the parts would be repaired or replaced free of charge.

Important notice

Disclaimer

The parking assist system is designed as a driver assistance device, and should not be used as a substitute for safe parking practices. You must constantly check the outside circumstance while parking.

The manufacturer does not guarantee or assume liability for collisions or damage caused while parking your vehicle.

Parking sensors provide assistance while reversing. Driving skills, such as slowing down, use of mirrors etc. are always essential.

1. This unit is for vehicles with 12V DC.
2. Unit should be installed by a professional auto technician.
3. Route wiring harness away from heat sources and electrical components.
4. It is strongly recommended to check the position of the sensors before the actual drilling of the holes.
5. Perform test after finishing the installation.

Key features

- Dual-color LED display with built-in buzzer
- Intelligent detection, super for cars with spare tire or other protrusion
- Anti-false alert technology
- Self-test function
- All weather design

Technical parameter:

- Input voltage: 9~16V DC
- Beep volume: 70 ~ 90 dB
- Detection range: 0.3m ~ 2.5m/1ft ~ 8.2ft
- Sensor installation height: 45cm ~ 60cm/1.5ft~2.1ft

Learning function for car with tow bars or spare wheel

Switch ignition on, engage and disengage reverse gear 10 times. On the 10th time stay in reverse gear for 6 seconds while the kit performs the learning function.

To clear the learning function switch ignition on, engage and disengage reverse gear 12 times. On the 12th time stay in reverse gear for 8 seconds while the kit reverts to factory settings.

Note: If the vehicle does not have a tow-bar or spare wheel, you do not need to use this function.

Self-test function

When reverse gear is selected, the system will perform a self-test procedure.

1. If no faults are detected after selftest, the buzzer will beep "once", and the display will scan once.
2. If a faulty sensor is detected after selftest, the buzzer will beep three times, and the display will show the faulty sensor location.

LED display

- LED indicator:
  - Warning light & damaged sensor location indication
  - Buzzer

The display will flash and beep once, this indicates that the learning function is successful. The system will no longer false alarm because of a tow-bar or spare wheel.

Dual intelligent function for spare wheel

In "0" position: The measured distance is between sensor and obstacle. In "20" position: The measured distance is between spare wheel (20 cm/0.65ft) and obstacle.

Sensor installation height choose

- Sensor installation: 55cm>H<65cm / 1.8ft>H<2.1ft (Factory Setting)
- Sensor installation: 45cm>H<55cm / 1.5ft>H<1.8ft

CA-5014

MODEL: CA-5014
How does the system work

False detection may occur in the following situations:
- After installation, please fully test the system before use.
- Heavy rain, dirty or damaged sensor may cause false warning occasionally.
- Ensure that the self-test procedure is completed and all sensors are functioning before reversing.

Wire connection

Important notice: the sensor should be installed vertically, the "up" sign must be on upside.

Sensor installation

The sensor should be installed vertically. Improper installation will result in false alert.

Function testing

Function test is possible by holding a wooden board (0.3mx1m) standing at the back of the car, and slowly reverse the car to test each function respectively as shown in this manual.

Installation diagram

After installation, the display doesn’t work
a) Are all wires connected properly?
b) Is the vehicle’s ignition ON?
c) Is reverse gear engaged (the reverse light should be on)?

Damaged sensor detected
a) Are all sensors plugged into the ECU correctly and tightly?
b) Is the sensor wire broken or damaged?
c) Is the sensor covered by mud or snow?
d) Is the sensor damaged?

False warning
a) Are all sensors plugged into the ECU in the correct position tightly?
b) Does any sensor detect the ground?

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 by using a flat wooden board
   3) Plug the certified sensors into the ECU and recheck
   4) Email your question to us and we will reply ASAP