oricom®

Operating Instructions
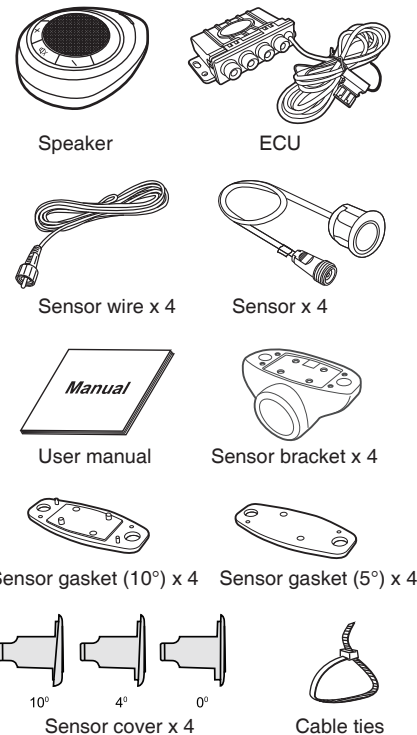
WPS01 Reverse Parking Assist System

Keep this user guide for future reference. Always retain your proof of purchase
in case of warranty service.
www.oricom.com.au

Tutorial videos are available -oricom.com.au,
select your model and scroll down to FAQ's

Contents

Pack Inclusions

Speaker ECU

Sensor wire x 4 Sensor x 4

Manual

User manual Sensor bracket x 4

Sensor gasket (10°) x 4   Sensor gasket (5°) x 4

10°   4°   0°

Sensor cover x 4   Cable ties

Note: 4° sensor cover already fitted to sensor.
※The above graphics are for reference only

Important Note

Parking Assist System (PAS) assists drivers when reversing or parking by sounding an audible beep to warn the driver of surrounding objects.
1. This system is for vehicles with 12~24V DC.
2. This system should be installed by a professional auto electrician.
3. Route wiring harness away from heat source and electrical components.
4. It is strongly recommended to check the position of the sensors before installation.
5. Perform a functional test after installation.
6. The PAS 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. Oricom international do not guarantee or assume liability for collisions or damages while reversing the vehicle.

Product Information

This PAS comes with 4-sensors and a buzzer,
The sensors transmit an ultrasonic signal when
the car is reversing, and alerts with audible
tones, if the system detects an obstacle.
The Oricom WPS01 is a 4-sensor parking
assist system, the sensors are connected to the
control unit via cables, the control unit and the
buzzer communicate via power and ground
connections.

Specifications

ECU
· Operating voltage: DC 9V ~ 32V
· Operating current: <150mA
· Operating temperature: -40 ~ + 80°C
· Storage temperature: -40 ~ +85°C

Sensor
· Operating frequency: 40 ±2KHz
· Operating temperature: -40 ~ + 80°C
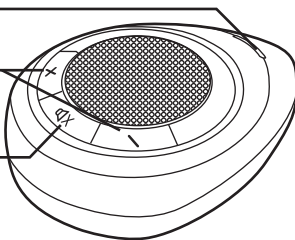· Storage temperature: -40 ~ +85°C

Buzzer
· Operating voltage: DC 9V ~ 32V
· Operating temperature: -40 ~ + 80°C
· Storage temperature: -40 ~ +85°C
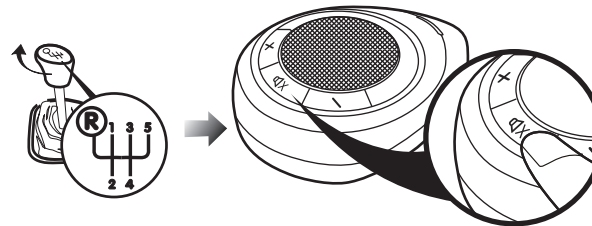· Operating current: <300mA
· Siren SPL: 70~90dB

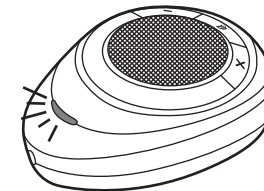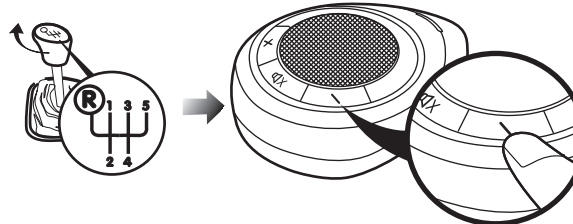## Voice Adjustment

When reverse gear is selected, press " " button for 2 seconds to turn on/off the voice alerts

Red LED light flashes 3 times:
Voice alerts turn off

Blue LED light flashes 3 times:
Voice alert turn on

Key Features

· Volume adiustable
· Water resistant control box
· Human voice speaker
· All weather design
· Self-test function
· Detachable sensor with waterproof wire
  connector

Speaker Overview

LED indicator

Volume
adjust buttons

Voice ON/
OFF button

Volume Adjustment

There are three volume levels,
low medium and high.
When reverse gear is selected,
press " +/- " button on the buzzer
to adjust the volume.
When a detected obstacle is less
than 0.3m, the audible warning
will alarm at high volume
automatically.

When reverse gear is selected, the system will test all sensors automatically.
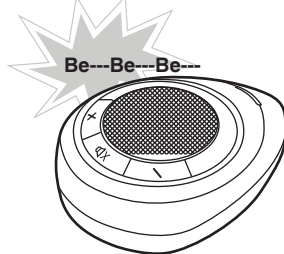
If all sensors are working properly, the blue LED light flashes once and the buzzer will beep once for indication.

If a damaged or defective sensor is detected, the red LED light flashes 3 times and the system will beep 3 times to alert.

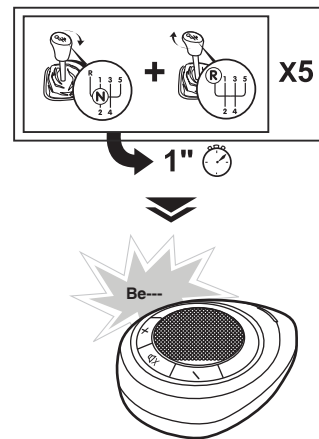1. All sensors are working normally

Be---
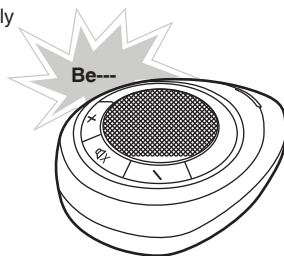
2. Damaged or defective sensor is detected.

Be---Be---Be---

Note:
· System will beep 3 times for defective sensor.
· Working sensors will continue working after the alarm has sounded.

+ **X5**

1"

Be---

The system may false alarm if a tow-bar/ spare wheel is installed at the rear of the vehicle and reserve "R" gear is selected. When learning function is ON, the system will ignore the tow-bar/ spare wheel/ other objects close to the sensors.

Steps:
1. With the ignition ON, change the gear from "N" to "R" 5 times (Each gear change must be within 1 second).
2. On the 5th gear change, leave the gear in "R" position.
3. After 8 seconds the buzzer will beep twice to complete the learning process.

Clearing the learning function:
1. With the ignition ON, change the gear from "N" to "R" 8 times (Each gear change must be within 2 seconds).
2. On the 8th gear change, leave the gear in "R" position
3. After 8 seconds, the buzzer will beep once to indicate that the learning function is cleared successfully and the system is reset.

Tips: if not successful, leave vehicle in "R" position for 2 seconds to clear the system memory and then start the above learning procedure again.
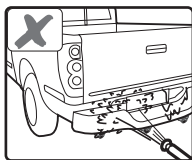
Attention

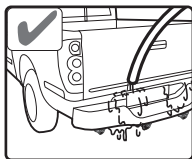False detection may occur in the following situations:
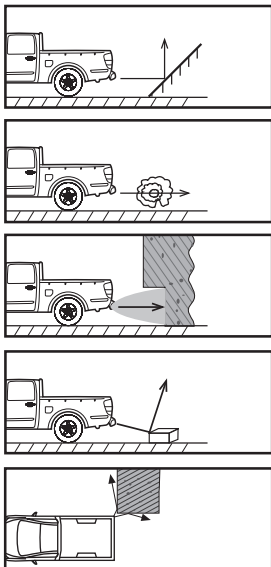
- After installation, please fully test the system before use.
- Heavy rain, dirt or damaged sensors may cause false warnings
- Ensure the self-test procedure is completed and all sensors are functioning before using the sensors.
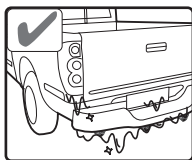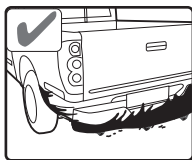
Sensor maintenance

Do not wash the sensor with high pressure equipment.
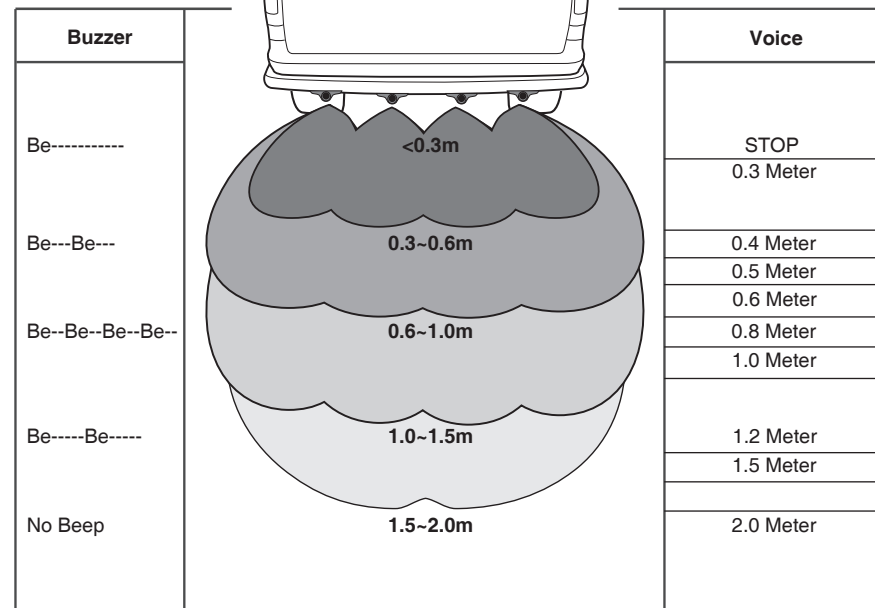

Please wash car with low-pressure water.

Clean sensors in the presence of ice.

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

Typical Alert distances

Buzzer		Voice
Be-----------	<0.3m	STOP
		0.3 Meter
Be---Be---	0.3~0.6m	0.4 Meter
		0.5 Meter
		0.6 Meter
Be--Be--Be--Be--	0.6~1.0m	0.8 Meter
		1.0 Meter
Be-----Be-----	1.0~1.5m	1.2 Meter
		1.5 Meter
No Beep	1.5~2.0m	2.0 Meter

size: 19 mm
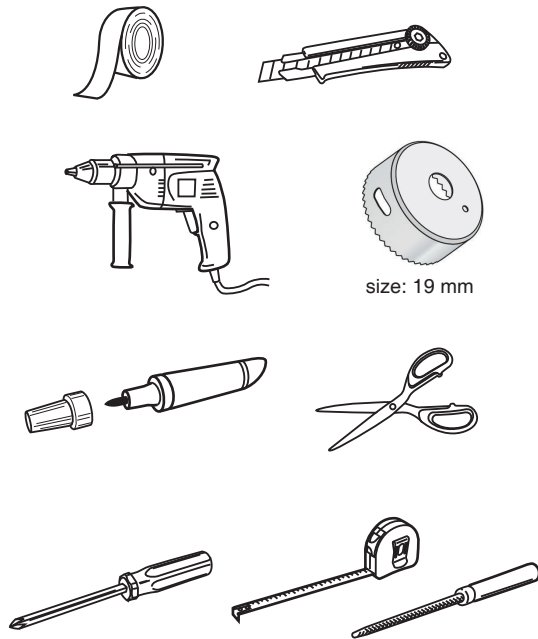
Estimated Installation Time:

45' ~ 60'

Bracket mount installation

Pls adjust the sensor angle according to sensor height and bumper angle, avoid pointing towards the ground.

H > 0.45m
H < 0.65m

2.5m

1.5m

< 0.45m   < 0.45m   < 0.45m

Sensor spacing

1

$a = 1/8L$
$b = 2/8L$
$c = 1/8L$

$0.45m < H < 0.65m$

L

c   b   a   a   b   c
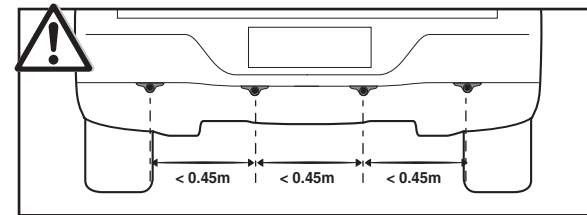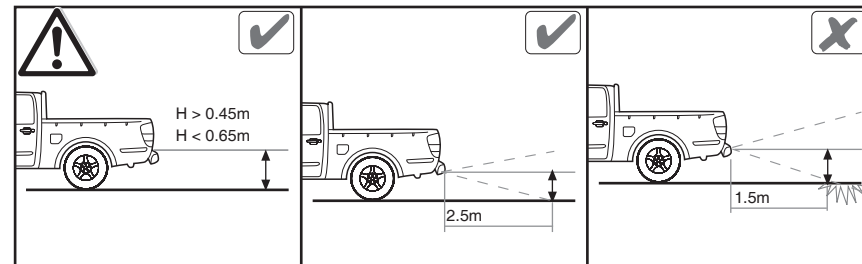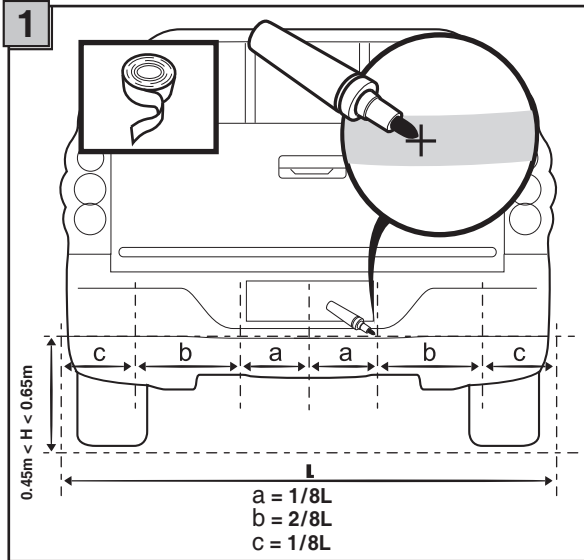
Note: "L" equals total length of bumper
Sensor positions c-b, b-a, a-b, b-c

2

UP

3

Add the angled spacer depending on required angle.

4

5

D D
C C
B B
A A

13

14
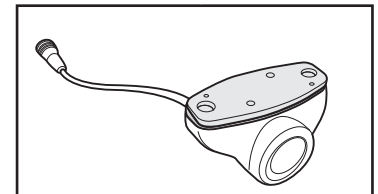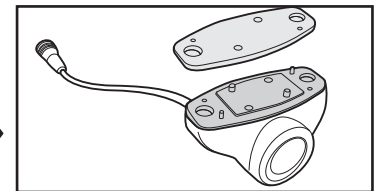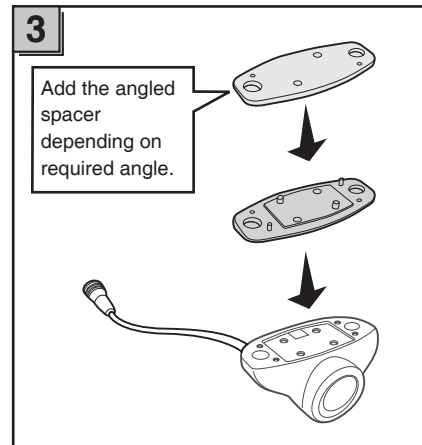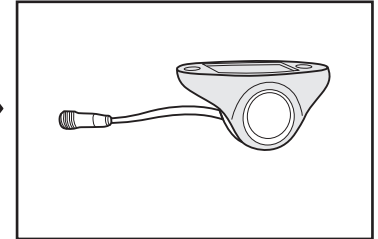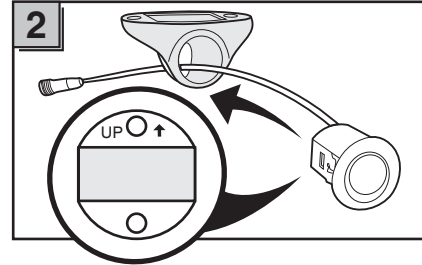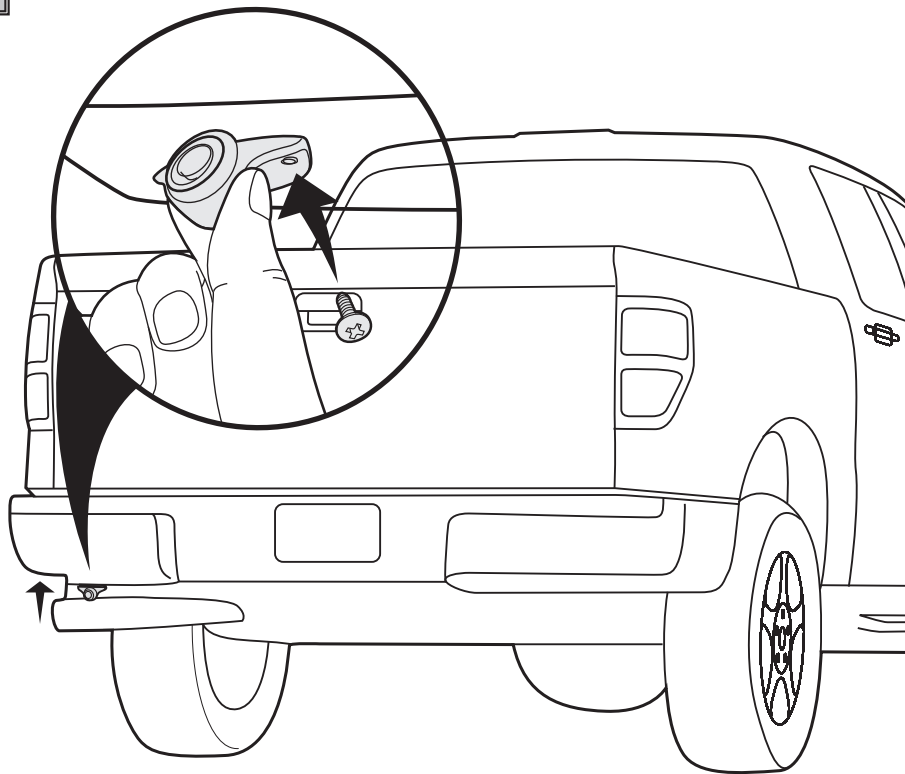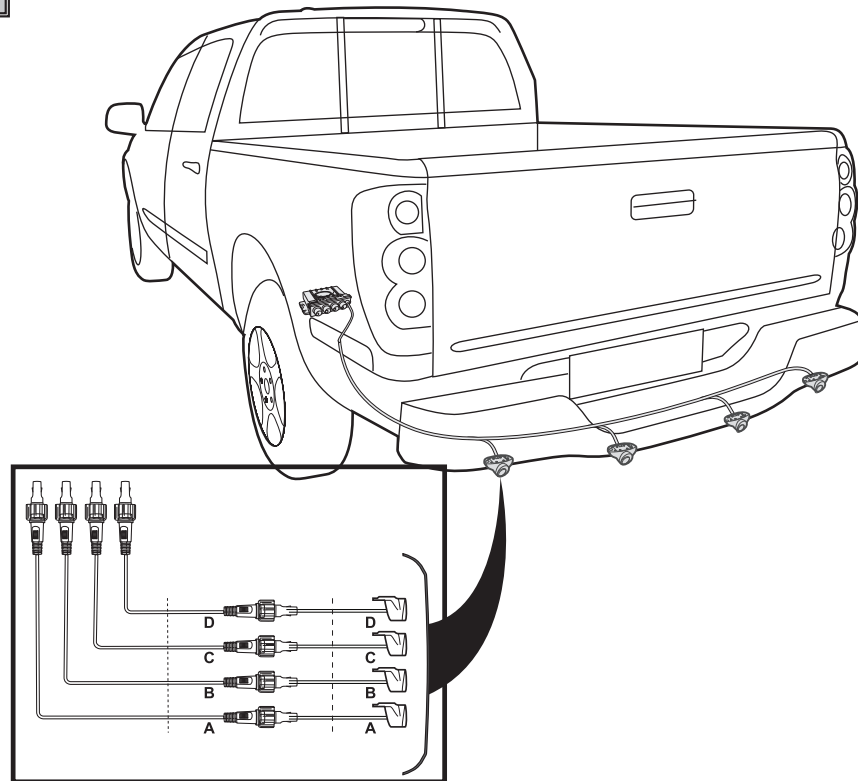
Changing the sensor head angle (if needed).

Fig.1

Fig.2

Fig.5

If colour matching the sensor heads it is advisable to paint the heads in two parts to achieve the best finish. When the paint is dry remove excess paint from the silicone then clip back together.

Fig.6

Fig.3

Fig.4

10^0 4^0 0^0

Fig.7   Tips: Make sure the degree marking is on the top of sensor after plug in.
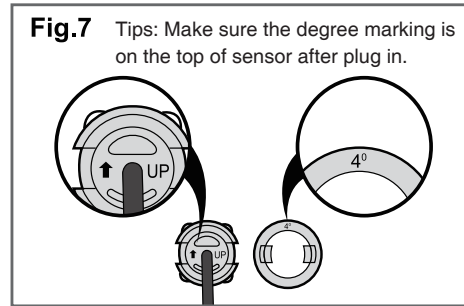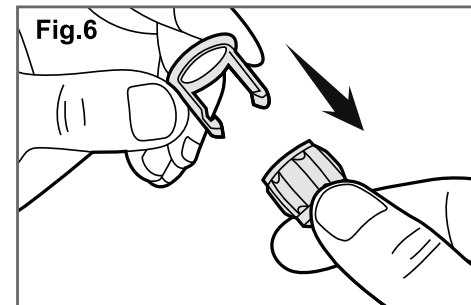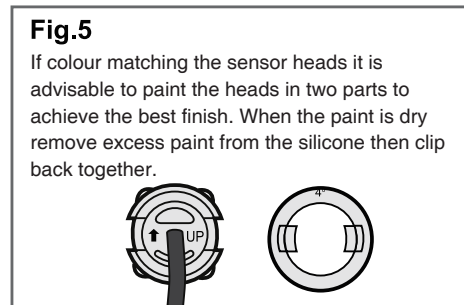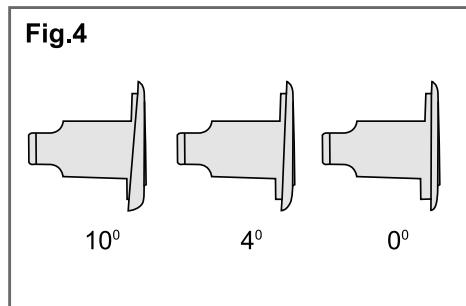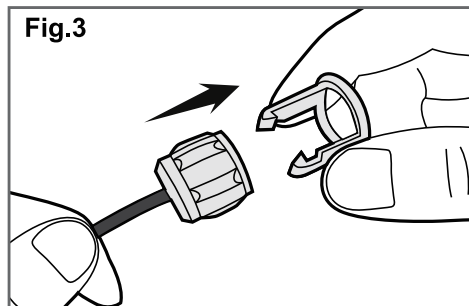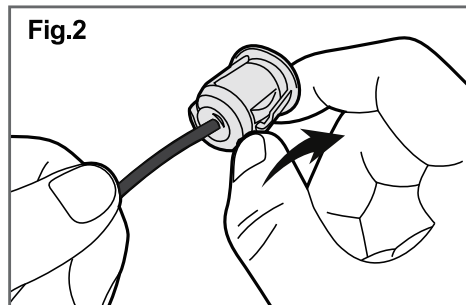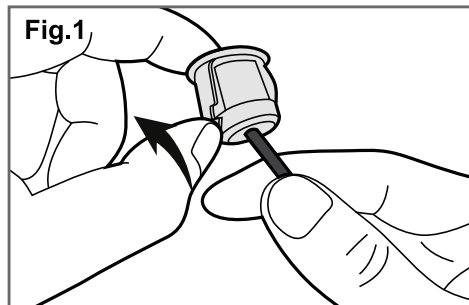
Flush mount installation

Carefully mark out hole positions according to sensor spacing on page 10, make sure you check surroundings to avoid any damage to vehicle prior to drilling, drill hole using 19mm hole saw. Insert sensor into hole and plug into sensor wire and ECU.

NOTE: If the sensor is not flush when installed inside the hole, you can file the inside of the hole on a slight angle to have a flush finish with no gap.

Bumper

Gap

Angle

1.5m
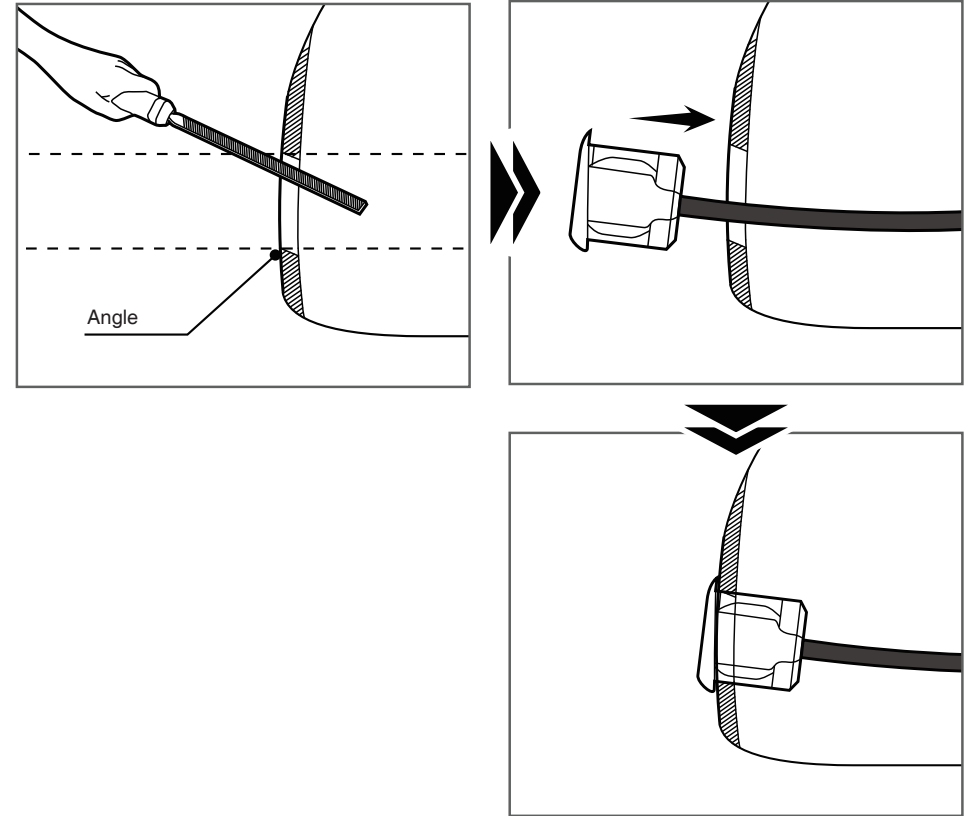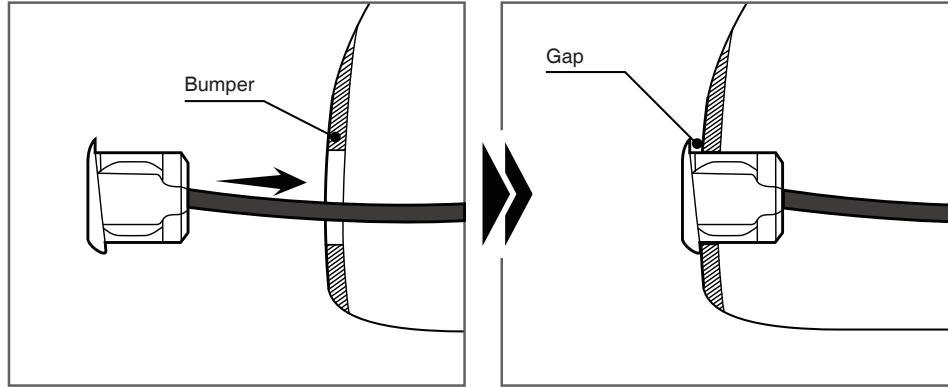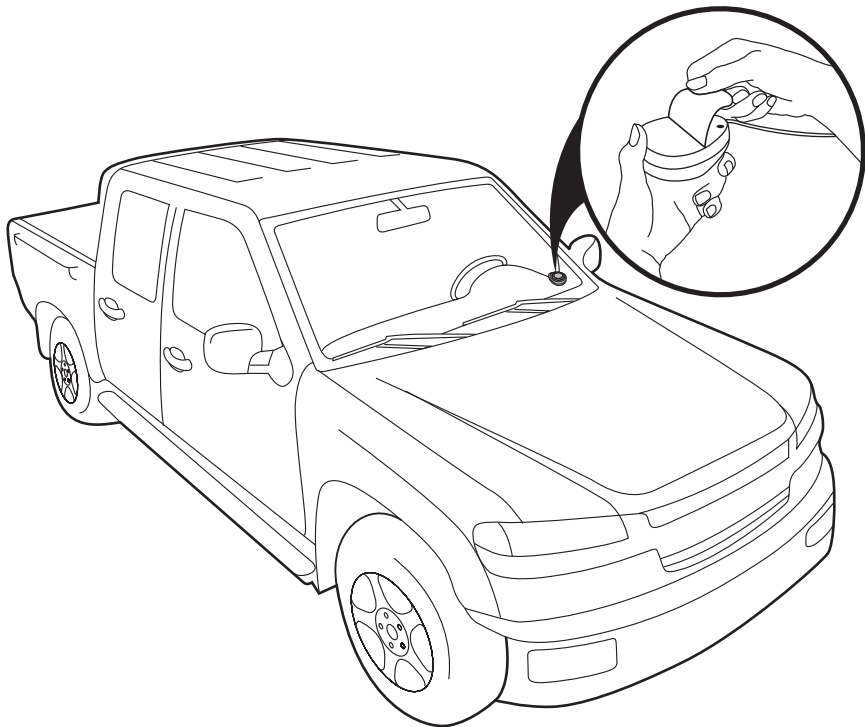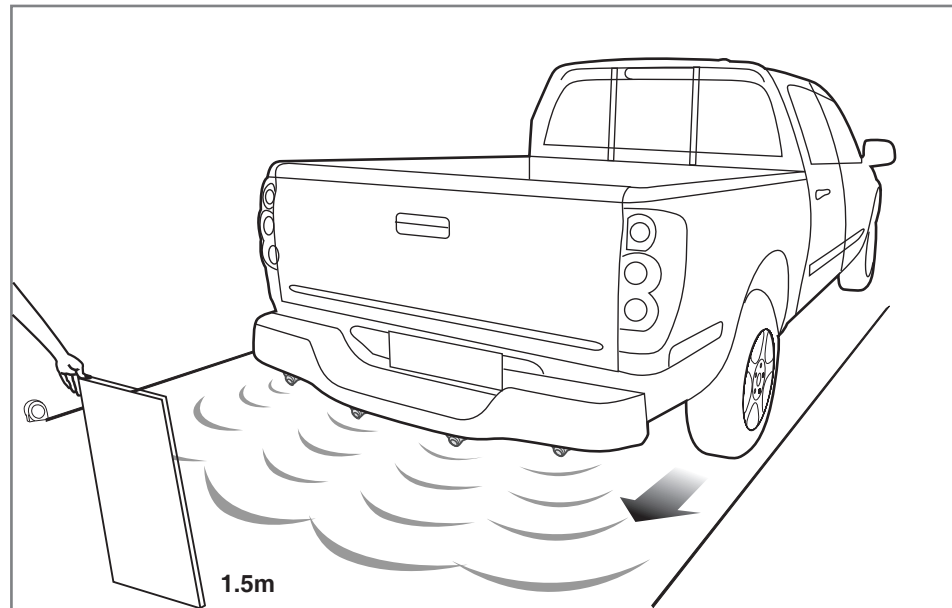
Function test is performed by holding a wooden board (0.3 x 1m) standing at the back of the vehicle, reverse the vehicle slowly to test each alert respectively as shown in this manual.

Wiring Diagram

Red — Fuse — ⊕ Reversing light

Black — ⏚ GND

Buzzer — Red — ACC

Black — ⏚ GND

D D
C C
B B
A A
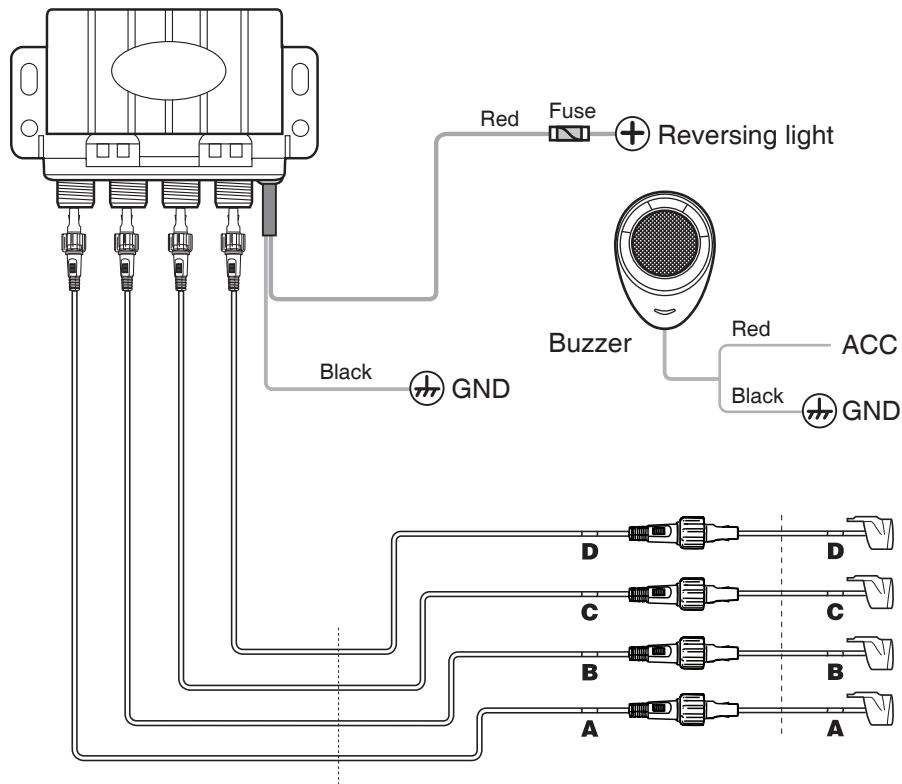
Troubleshooting

1. After installation, the buzzer doesn't work.
· Make sure the wires are connected propery.
· Make sure the vehicle ACC is ON.
· Make sure the reverse gear is selected (the reversing light should be on)

2. Damaged sensor detected
· Make sure ALL sensors are plugged into the control box correctly and tightly
· Make sure the sensors are clear of any debris such as dirt / ice.
· Please check for any damage to the sensor.

3. False alarm
· Make sure ALL sensors are plugged into the control box in the correct position tightly.
· Please check if any of sensors are angled towards the ground.

4. Display alarm sound is too low or too high
· Press the volume button to adjust the volume to a suitable level.

5. For further assistance, contact Oricom Support: support@oricom.com.au

Express Warranty (Australia)

This Express Warranty is provided by Oricom International Pty Ltd ABN 46 086 116 369, Unit 1, 4 Sovereign Place, South Windsor NSW 2756, herein after referred to as "Oricom".

Oricom warrants that the product is free from defects in materials or workmanship during the Express Warranty Period. This Express Warranty does not extend to any product from which the serial number has been removed or was purchased outside of Australia.

The benefits of this Express Warranty are in addition to other rights and remedies you may have under the Australian Consumer Law. Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure. In the event of a minor failure, Oricom reserves the right to choose to repair or replace the product.

The Express Warranty Period will be a period of 12 months beginning on the date of purchase of the product evidenced by your dated sales receipt. You are required to provide proof of purchase as a condition of receiving Express Warranty services.

You are entitled to a replacement product or repair of the product at our discretion according to the terms and conditions of this document if your product is found to be faulty within the Express Warranty Period. This Express Warranty extends to the original purchaser only and is not transferable.

Products distributed by Oricom are manufactured using new materials or new and used materials equivalent to new in performance and reliability. Spare parts may be new or equivalent to new. Spare parts are warranted to be free from defects in material or workmanship for thirty (30) days or for the remainder of the Express Warranty Period of the Oricom branded product in which they are installed, whichever is longer. During the Express Warranty Period, Oricom will where possible repair and if not replace the faulty product or part thereof. All component parts removed under this Express Warranty become the property of Oricom. In the unlikely event that your Oricom product has a recurring failure, Oricom may always, subject to the Competition and Consumer Act 2010, at its discretion, elect to provide you with a replacement product of its choosing that is at least equivalent to your product in performance.

No change to the conditions of this Express Warranty is valid unless it is made in writing and signed by an authorised representative of Oricom.

Oricom will not be liable under this Express Warranty, and to the extent permitted by law will not be liable for any defect, loss, damage or injury arising out of or in connection with a:

1. Failure by you to adhere to the warnings and follow the instructions set out in this user guide for the proper installation and use of the product;

2. Willful misconduct or deliberate misuse by you of the product;
3. Any external cause beyond our control, including but not limited to power failure, lightning or over voltage; or
4. Modification to the product or services carried out on the product by anyone other than Oricom or Oricom's authorised service provider.

How to make a claim under your Express Warranty in Australia

Oricom has a simple warranty process for you to follow:

- Please call or email our Customer Support Team, 02 4574 8888 or support@oricom.com.au.
- A Customer Support Team member will verify after troubleshooting with you if your product qualifies under warranty. If so, they will give you a Product Return Authorisation number.
- We will then email a Return Authorisation form and a Repair Notice (if necessary), together with instructions on how to return the product for warranty service.

Please note that if a Customer Support Team member advises that your product does not qualify for return, this warranty does not apply to your product. Products that are authorised to be returned to Oricom in Australia must include all of the following:

- A completed Return Authorisation form
- A copy of your Proof of Purchase (please keep your original copy)
- The faulty product, including all accessories.

Send the approved returns to:
Oricom International Pty Ltd
Locked Bag 658
South Windsor NSW 2756 Australia

Please note that this Express Warranty excludes expenses incurred by you in returning any faulty product to us. You must arrange and pay any expenses incurred (including postage, delivery, freight, transportation or insurance of the product) to return the faulty product to us, however, we will arrange delivery of the repaired or replaced faulty product to you.

Important Information - Repair Notice

Please be aware that the repair of your products may result in the loss of any user-generated data (such as stored telephone numbers, text messages and contact information). Please ensure that you have made a copy of any data saved on your product before sending for repair. Please also be aware that products presented for repair may be replaced by refurbished products or parts of the same type rather than being repaired.