

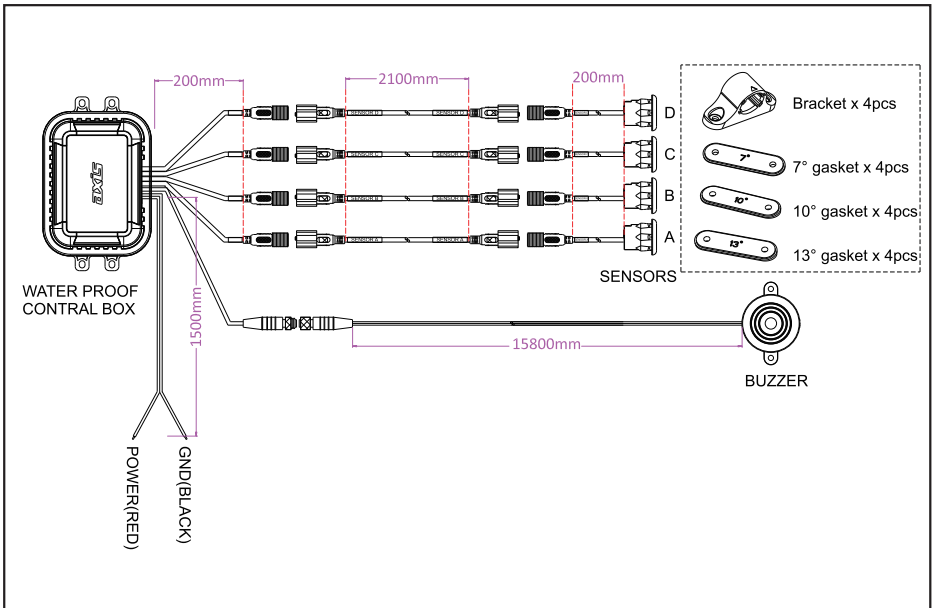
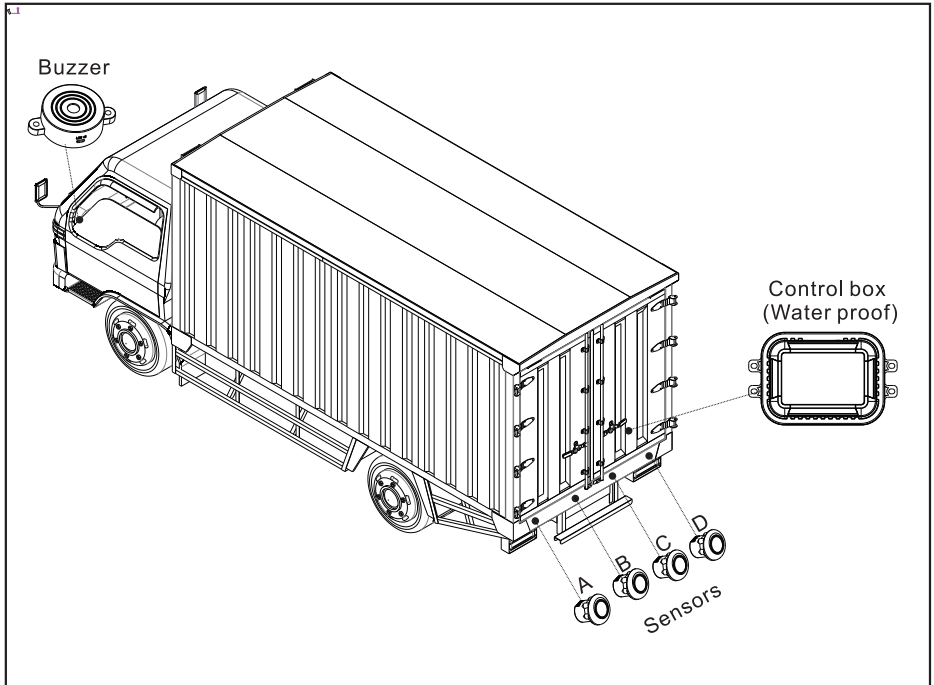
axis
JAPAN

日本の品質
— JAPAN QUALITY —

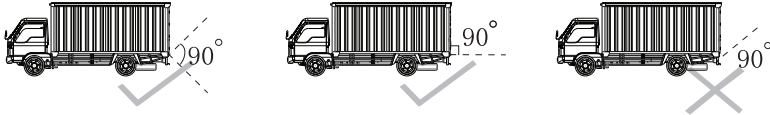


APS401T
12/24V Parking Sensor System

GENERAL INSTALLATION DIAGRAM

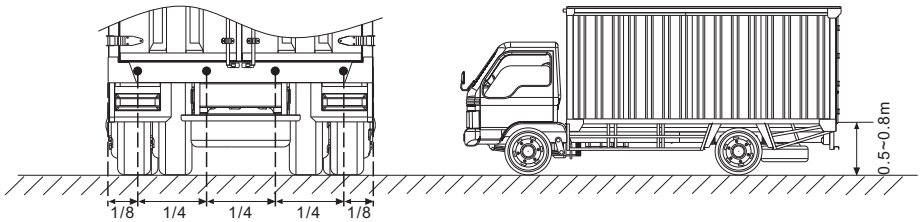


SENSOR INSTALLATION DIAGRAM



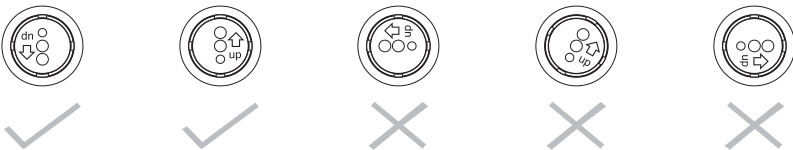
Fix the position of sensors. No obstacle should be detected at 90° from the top view otherwise the system will false alarm.

Installation distance diagram

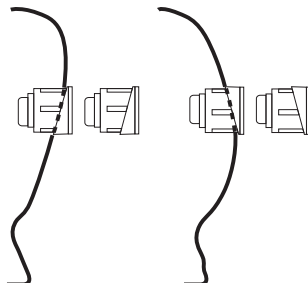


Best position for 4 sensors

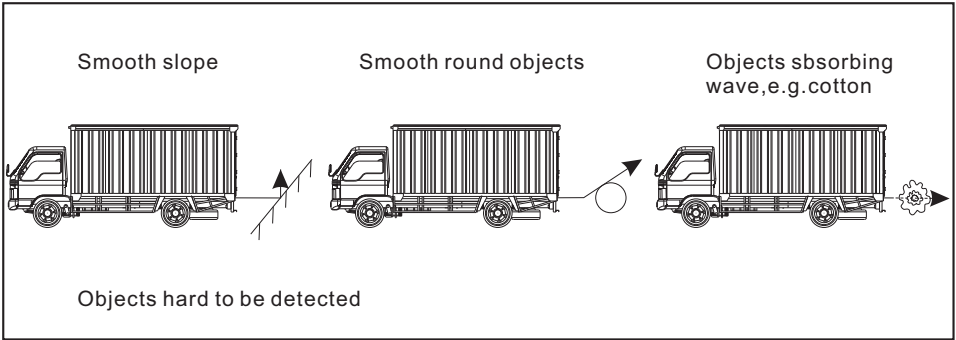
Installation diagram for sensors with direction markings



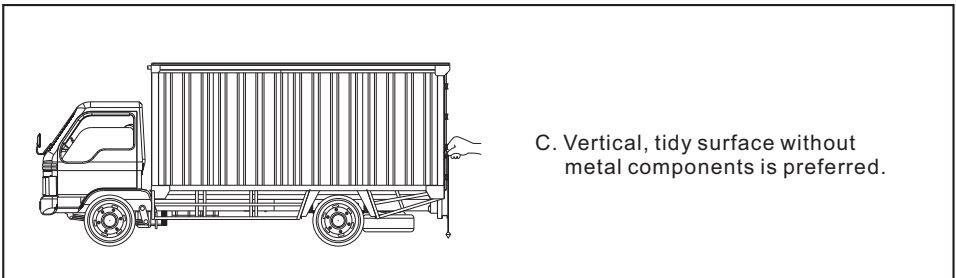
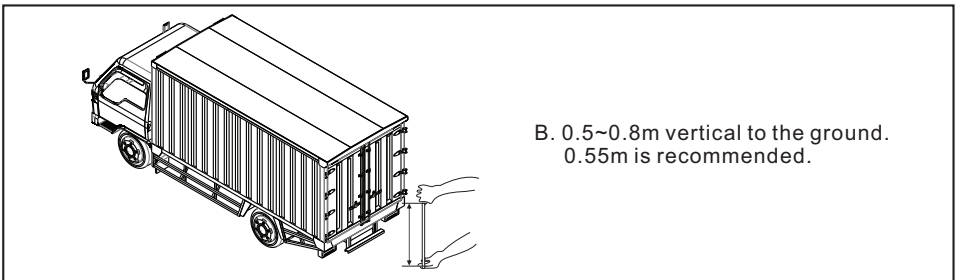
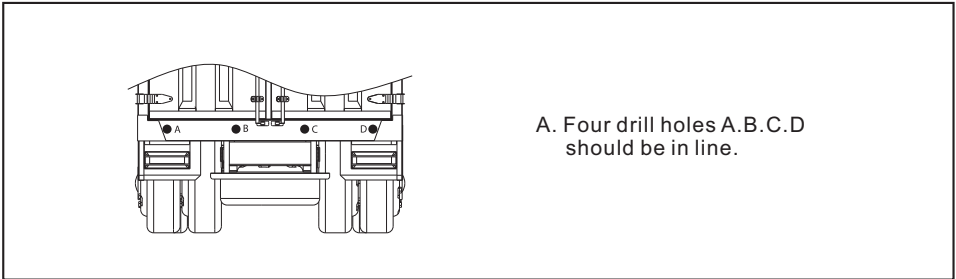
Installation diagram



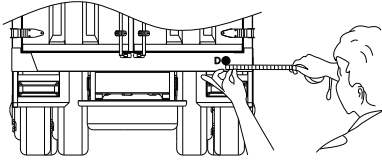
Installation when bumper is sloping to the ground.



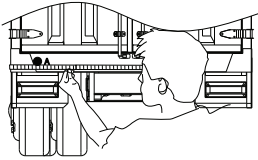
ADVISED POSITION TO INSTALL THE SENSOR



SELECT DRILLING POSITION FOR SENSOR A&D

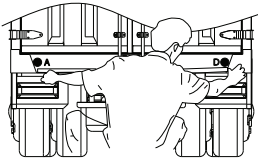


A. Choose suitable drilling positions for A and D sensor and mark.

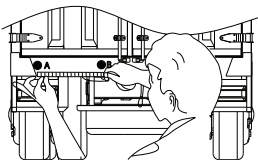


For best detection angle, position A & D sensor 1/8 from the edge.

SELECT DRILLING POSITION FOR SENSOR B&C

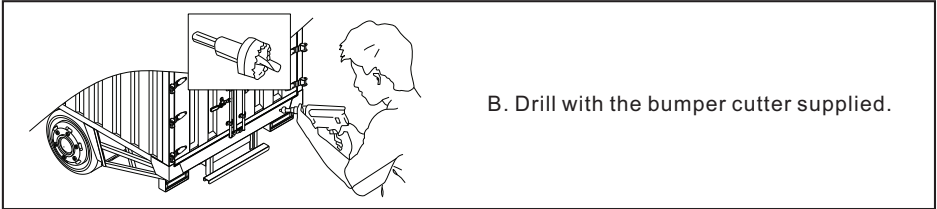
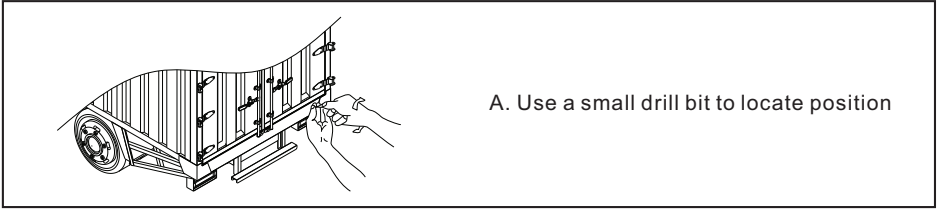


A. Measure the distance between sensor A and D.

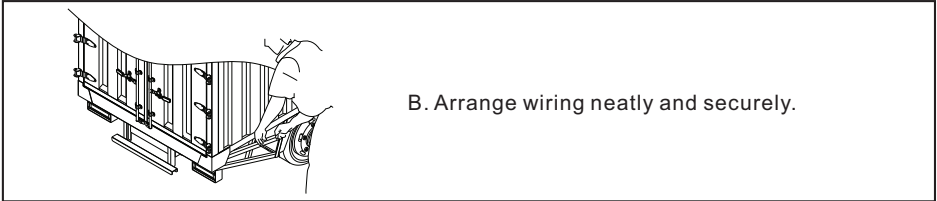
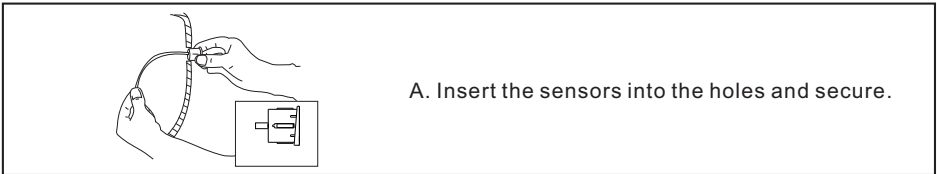


Divide distance by 3 and mark sensor B & C.

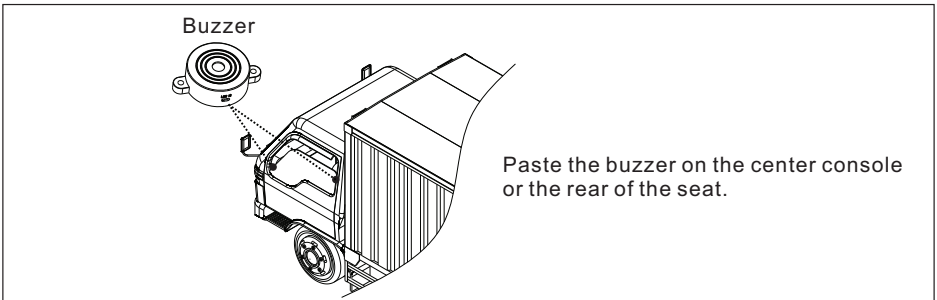
DRILLING



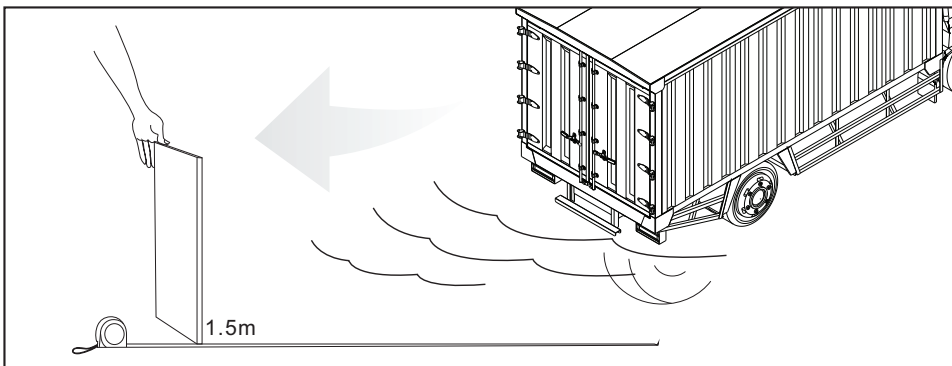
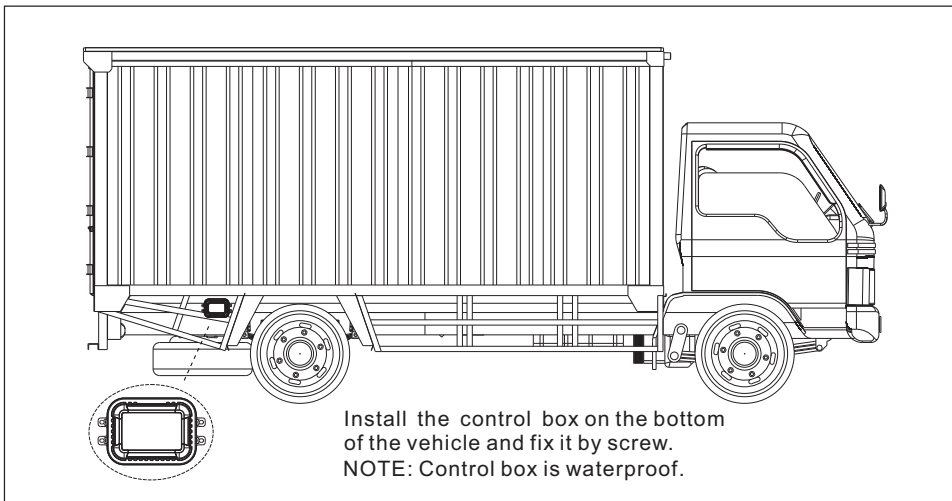
SENSOR INSTALLATION



BUZZER INSTALLATION



CONTROL BOX INSTALLATION



PARKING SENSOR SYSTEM

This system consists of ultrasonic sensors, a control unit and buzzer. This system detects the distance between the vehicle and obstructions by ultrasonic sensors installed at the rear of the vehicle. The distance and direction of the obstruction will be showed by audible buzzer with step-up “BiBi” sounds.

MAIN FEATURES

- Audible buzzer
- Volume Adjustable
- Four stages “BiBi” alarm sound
- Water proof control box
- Hidden installation

TECHNICAL SPECIFICATIONS

- Rated Voltage: 12V/24V
- Operating Range: DC 10~32V
- Operating Current: 10-120mA
- Detecting Distance: 0.3~1.5m
- Ultrasonic Frequency: 40KHz
- Working Temperature: -20~+70°C

ALARM MODE

Detecting distance	Alarm sound
≥1.6m	Silence
≥1.1~1.5m	Bi.....Bi.....
≥0.6~1.0m	Bi.....Bi.....
≥0.4~0.5m	Bi.....Bi.....
≤0.3m	Bi...

INSTALLATION STEPS

1. Carefully choose position for sensors
2. Select drilling position for sensor A&D
3. Select drilling position for sensor B&C
4. Locate the position and drill
5. Install the sensors and hide the wires
6. Install the Buzzer
7. Install the control box (NOTE: The control box is waterproof)

TEST

1. Adjust the direction and orientation of sensors. Neaten the wiring after installation.
2. Connect the power wire to the reversing light circuit.
3. Connect the wires between control box and Buzzer.
4. After starting the car, the Buzzer will sound one time on power up. Insert one sensor into the control box port. within 1.0m of the sensor, it should detect normally.

Disconnect this sensor from the control box and use the same method to check other sensors. Then insert all sensors into matching ports.

NOTE

1. The car must be off during the installation
2. Performance may be affected in heavy rain, gravel roads, bumpy roads, hot or moist weather, or if the sensor is covered by ice or mud.
3. Other ultrasonic or electric waves (eg voltage reducers) may affect the performance of the system.
4. The sensors should be installed securely but not over-tight.
5. Rubber sensors are designed to avoid "Metal resonance" in metal bumpers.
6. Avoid installing the digital control box in areas of interference or moisture.
7. Test the system to make sure it works correctly.
8. This system is a reversing aid and the manufacturer accepts no responsibility for and accident after the kit is installed.

NOTES

SPECIFICATIONS

GENERAL

- Detection Range: 0.3 ~ 1.5m
- Rated Voltage: 12/24V DC
- Operating Range: 9-32V DC
- Operating Current: 350mA @ 12V

BUZZER

- Proximity Alert: Audible Tone
- Audible Buzzer: Yes
- Buzzer Cable Length: 15.8m

CONTROL BOX

- Water Resistance: IP67
- Power Leads: 1.4m
- Dimensions: 106W x 27H x 80Dmm

SENSORS

- Sensor Type: Angled Rubber
- Sensor Size: 20mm
- Sensor Dimensions: 26W x 26H x 23.8Dmm
- Sensor Cable Length: 2.1m
- Sensor Installation: Under Mount or In-Bumper Mount
- Detecting Distance: 0.3 - 1.5m
- Working Temperature: -30° to +85°C
- Water Resistance: IP68
- Under Mount Dimensions: 61W x 31H x 22.4Dmm

INCLUDES

- Control Box
- 4 x Sensors
- Buzzer
- 4 x Brackets with Pads
- 4 x 3 Sensor Cable
- Drill Bit

WARRANTY

Congratulations on your purchase of a quality Safety Product! You're joining thousands of satisfied customers who enjoy & experience the benefits of the products we distribute. In the unlikely event that some technical difficulty arises with your purchase, be assured that we are most anxious to see that the problem is quickly rectified to your satisfaction. Please familiarise yourself with the following simple conditions of our warranty. This warranty covers faults through component failure or failure of the product to operate in accordance with published specifications. Product failure as a result of unreasonable environmental conditions, accident, misuse, improper installation, unauthorised repair, vehicle electrical or wiring faults or neglect etc, will not be covered by this warranty. Removal and installation costs, if any, would be paid by the owner as well as any freight or postage costs of transporting the product to AUTOBACS AUSTRALIA PTY LTD and shall not be liable or responsible for any loss of use of this product or any form of consequential loss.

CONSUMER WARRANTY

This product is warranted by AUTOBACS AUSTRALIA PTY LTD to be free from defects in materials and workmanship under **NORMAL USE** for a period of **TWENTY FOUR MONTHS** from the date of purchase.

WITHIN 30 DAYS OF PURCHASE DATE:

Please return the unit for replacement to our National Service Centre or the Retailer from where you made the purchase. All accessories must be included. Proof of purchase date **must** accompany the products.

AFTER 30 DAYS OF PURCHASE DATE:

Warranty repair and service is carried out by our National Service Centre. Repair and service will be carried out at no cost to the owner if proof of ownership and the date of purchase can be verified to the satisfaction of the authorised centre concerned with this repair. This proof should take the form of either:

- The warranty card accompanying this product, stamped and dated by the dealer.
- A Tax Invoice or Receipt showing full details of original vendor, purchaser, model number and serial number.

COMMERCIAL WARRANTY

A product used in or associated with a commercial application will carry a limited TWELVE MONTHS warranty. An abnormal commercial application is one where usage, dust, vibration, heat/cold and other environmental conditions exist at an extreme level.

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 for 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.

Purchaser's Name: _____

Purchaser's Address: _____

Model Number: _____ **Serial Number:** _____

Dealer Name: _____ **Date of Purchase:** / /

Dealer Address: _____

Invoice/Sales Docket no: _____

General Hints: To expedite service and prompt return of the equipment, please:

- Clearly describe the fault in detail
- Safely and securely pack the unit for transport
- Include your return address
- Provide proof of purchase date as outlined above

National Service Contacts:
AUTOBACS AUSTRALIA PTY LTD
Telephone: 1300 288 029
email: services@autobacs.com.au

