

STEEL MATE
Automotive

PTS400Q-COM /
PTS400Q4-COM

Parking assist system



Manual

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User's Manual

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Installation Manual

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Parking Assist System

User's Manual

Important notice

This parking assist system helps to provide assistance when reversing and parking. Driving skills, such as slowing down, use of mirrors etc. is always essential.

1. This unit is for vehicles with 12/24V 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 screw.
5. Perform a test after installation.

Disclaimer

The 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.

About the product

Parking assist system is an ultrasonic distance monitoring system. It electronically detects the area behind your vehicle while reversing, and alerts you with audible tones and display if the system detects an obstacle. The system will show the accurate distance in meters or feet depending on your region.

PTS400Q-COM/PTS400Q4-COM is a 4-sensor rear wireless parking assist system, from control unit to display is wireless.

Each part of this product has passed the most stringent test before releasing to the market. It is reliable at a wide temperature range (-40°C ~ +85°C/-40°F~+185°F) and becomes very useful when you are parking in poor weather conditions.

With the help of parking assist system, you can enjoy a convenient and easy parking experience.

Key features

- 4 rear sensor system
- Wireless from control unit to display
- Suitable for 12~24V vehicles
- Truck sensor for commercial vehicles
- Easy installation
- Volume adjustable
- Self-test function
- All weather design (-40°C~+85°C/-40°F~+185°F)

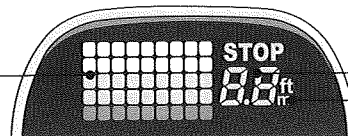
Technical specifications

- Input voltage: 12/24V±3V
- Detection range: 0.1~2.5m/0.3~8.2ft
- Display range: 0.3~2.5m/1.0~8.2ft
- Beep SPL: 70~90 dB
- Operating temperature: -40°C~+85°C/-40°F~+185°F

LED display

PTS400Q-COM

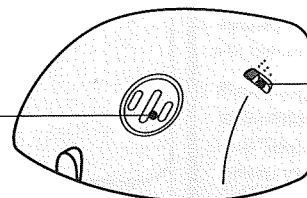
Matrix indication



Distance
Meters/feet

(Front view)

Volume

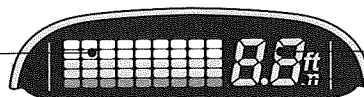


Volume switch

(Rear view)

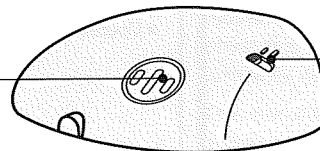
PTS400Q4-COM

Matrix indication



Distance
Meters/feet

Volume



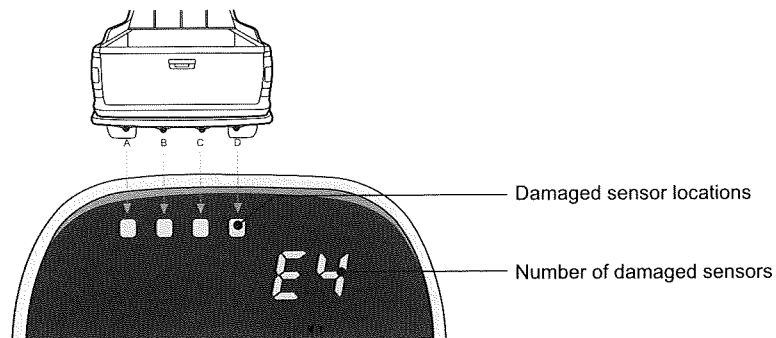
Volume switch

Self-test function

The system will test all the sensors when the reversing gear is engaged.

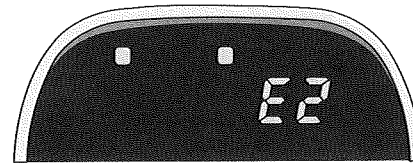
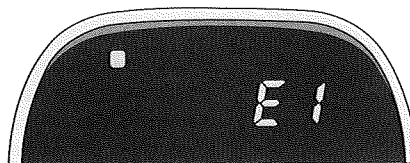
If all the sensors are normal, the system will beep once and the LED display will flash once.

If there is any problem with the sensors, the system will beep three times to indicate that one or more sensors have problems.



Sensor A has problem(E1:1 damaged sensor)

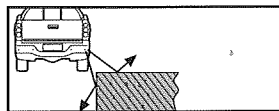
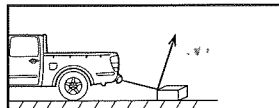
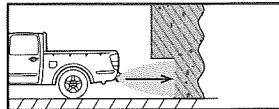
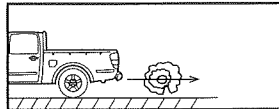
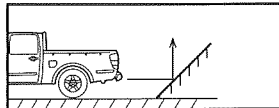
Sensor A,D have problem (E2: 2 damaged sensors)



※ Check the damaged sensor and replace it.

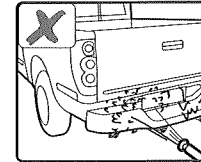
Attention

False detection may occur in the following situations:

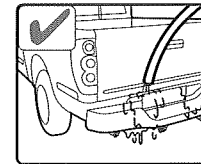


- After installation, please fully test the system before use.
- Heavy rain, dirt or damaged sensors may cause false warning occasionally.
- Ensure that the self-test procedure is completed and all sensors are functioning before reversing the system.

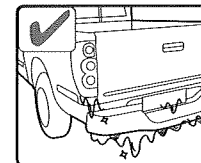
Sensor maintenance



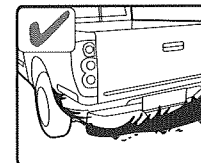
Do not wash the sensor with squirt gun or swab them forcibly.



Please wash car with low-pressure water.

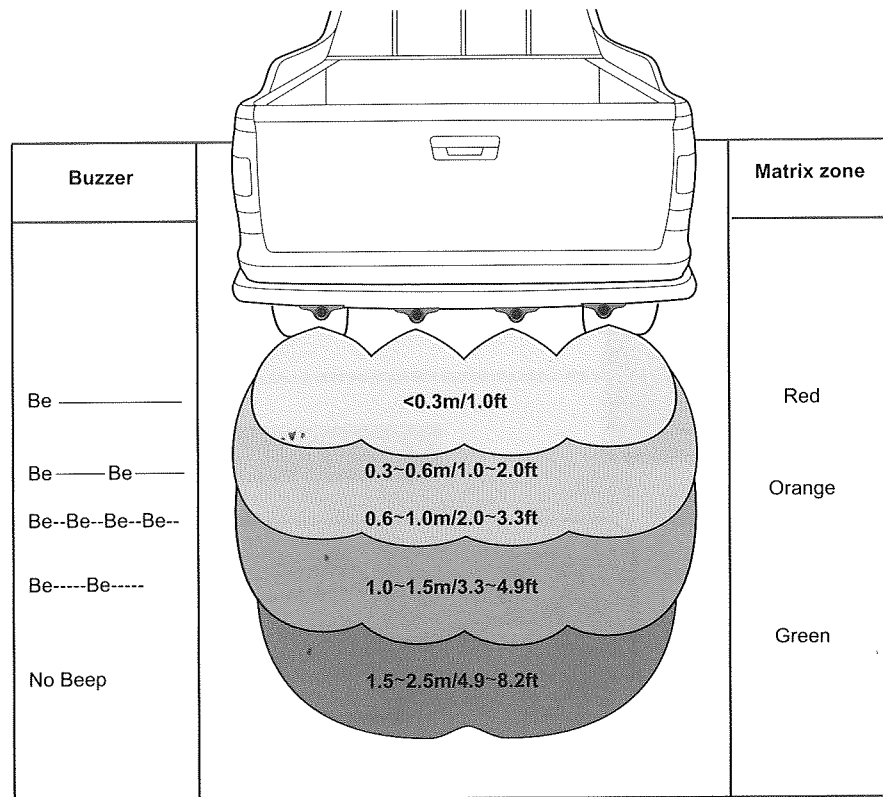


Please melt the ice with warm water when the sensors are covered by ice.



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

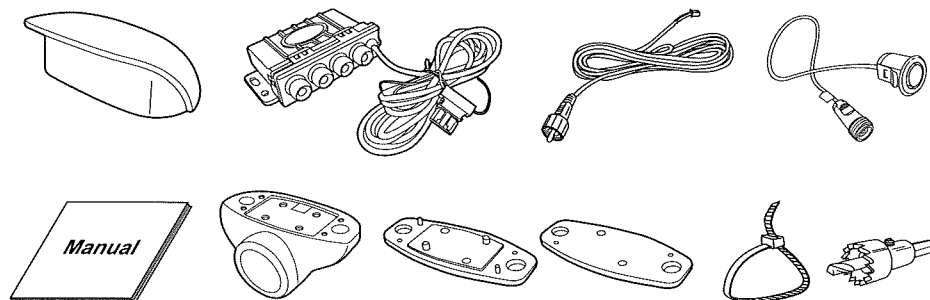
How does the system work



Parking Assist System

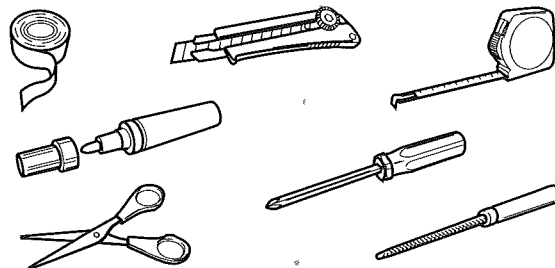
Installation Manual

Packing list



※ The actual sensor may vary from the image shown above

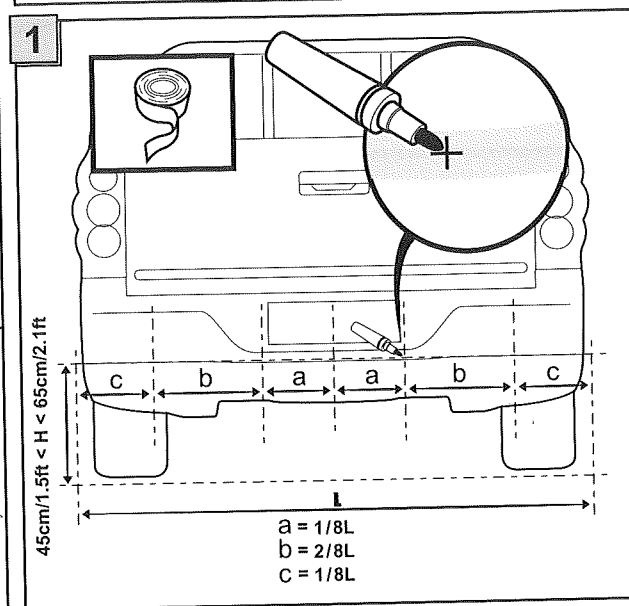
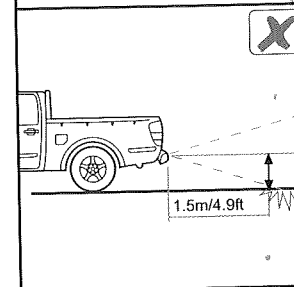
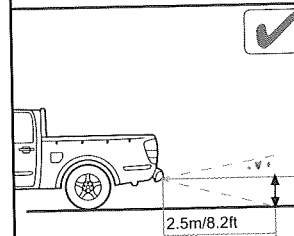
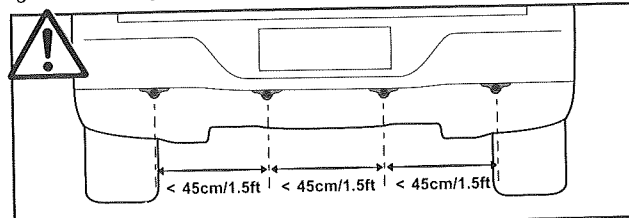
Installation tools



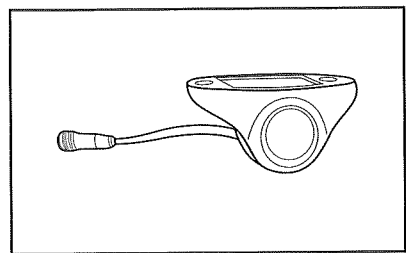
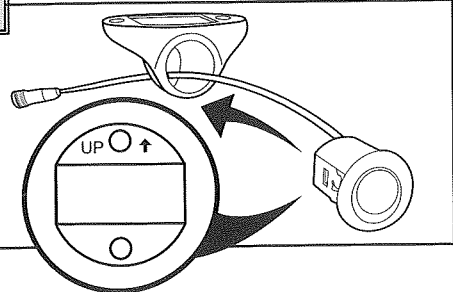
30' ~ 60'

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

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

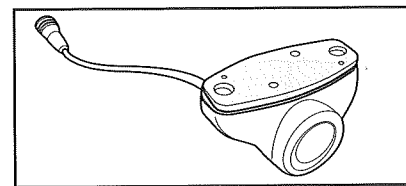
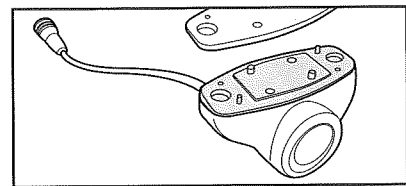
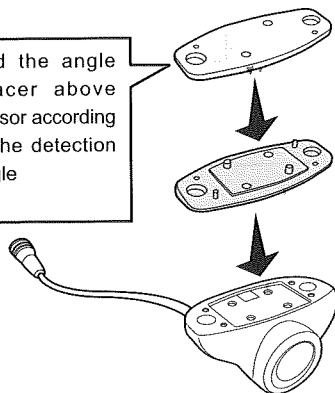


2

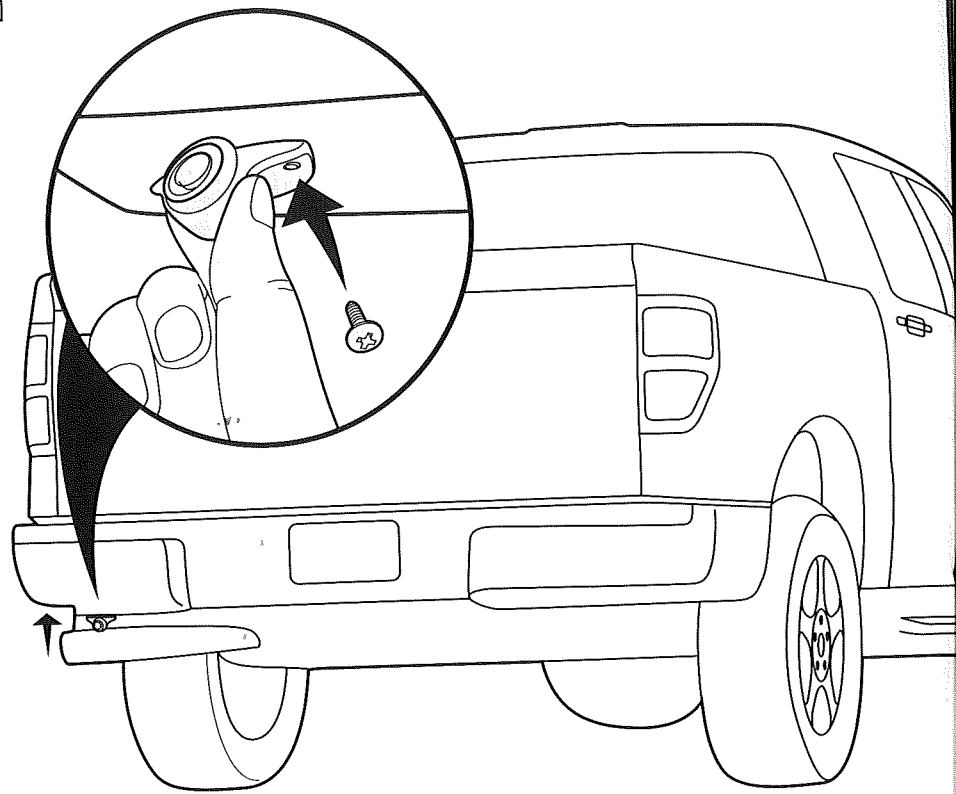


3

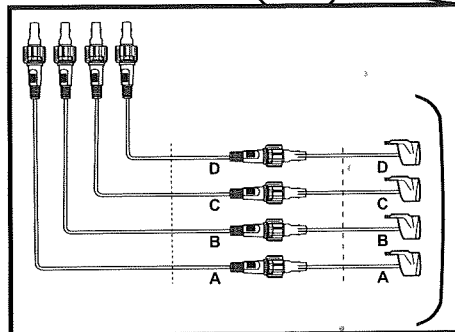
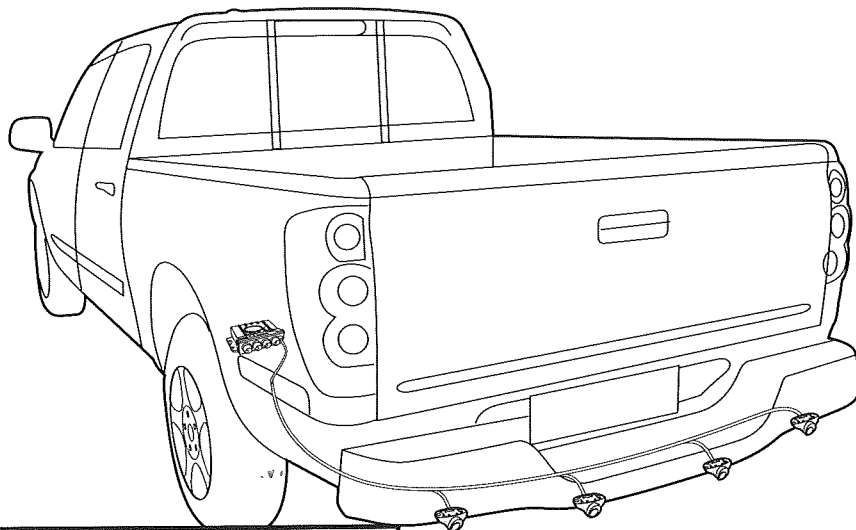
Add the angle spacer above sensor according to the detection angle



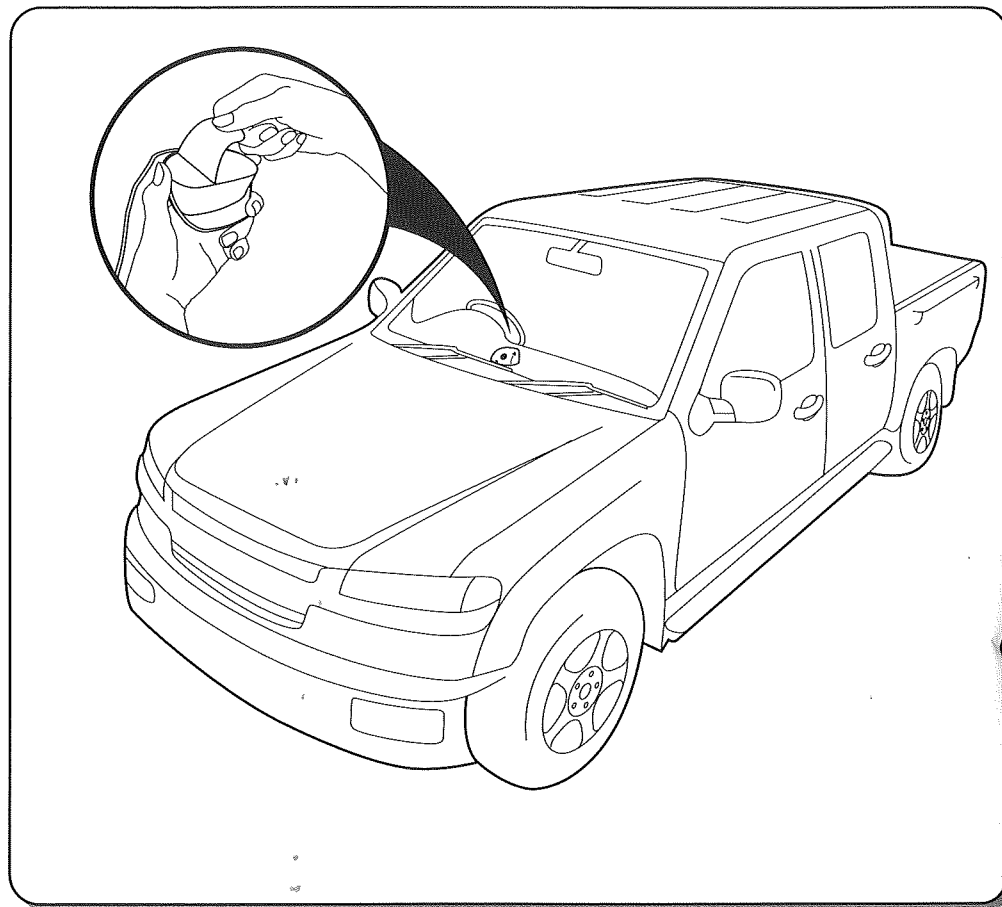
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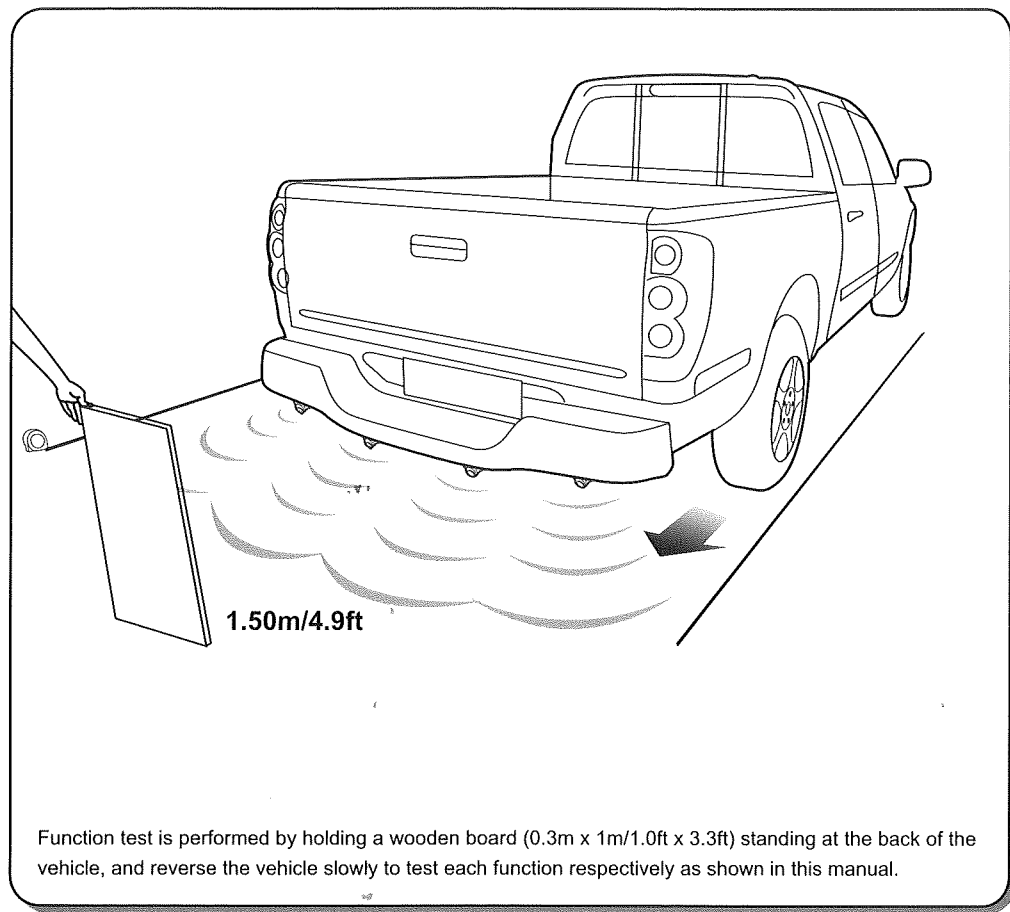
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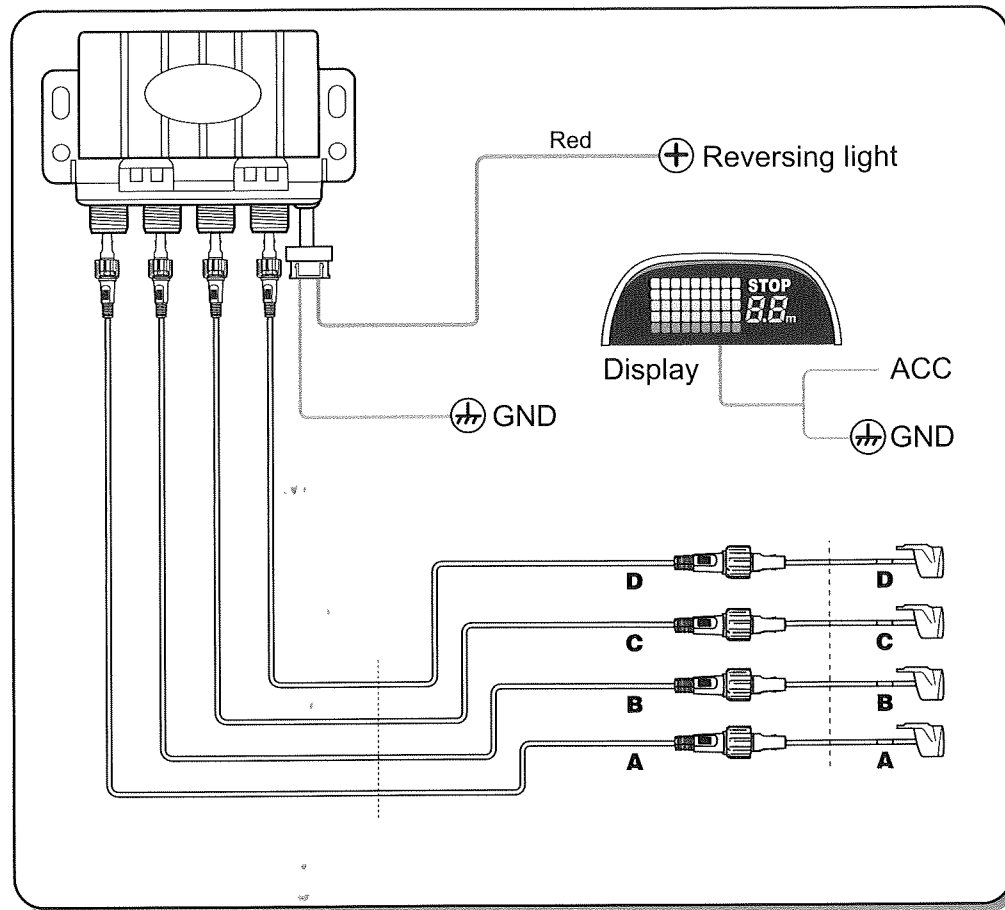
Display installation



Function test after installation



Wiring diagram



Troubleshooting

After installation, the display doesn't work

- a) Are all wires connected properly?
- b) Is the vehicle's ignition ON?
- c) Is the reversing gear engaged (the reversing light should be turned on)?

Damaged sensor detected

- a) Are all sensors plugged into the ECU correctly and tightly?
- b) Is the sensor faulty?
- c) Is the sensor covered by dirt 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?
- c) Does rubber ring in the sensor come out (14D sensor)?

Warning sound is too low or too high (display)

- a) Press the Set button to adjust the volume to a suitable level.

If the problem persists, please follow these steps

- a) For consumer: contact your dealer or nearby service centre.
- b) For installer or dealer:
 - 1) Test the sensors with certified ECU by using a flat wooden board.
 - 2) Replace the ECU and recheck the system.

- 3) Plug the certified sensors into the ECU and recheck.
- 4) Email your question to us and we will reply ASAP.

Think safety think Steelmate



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