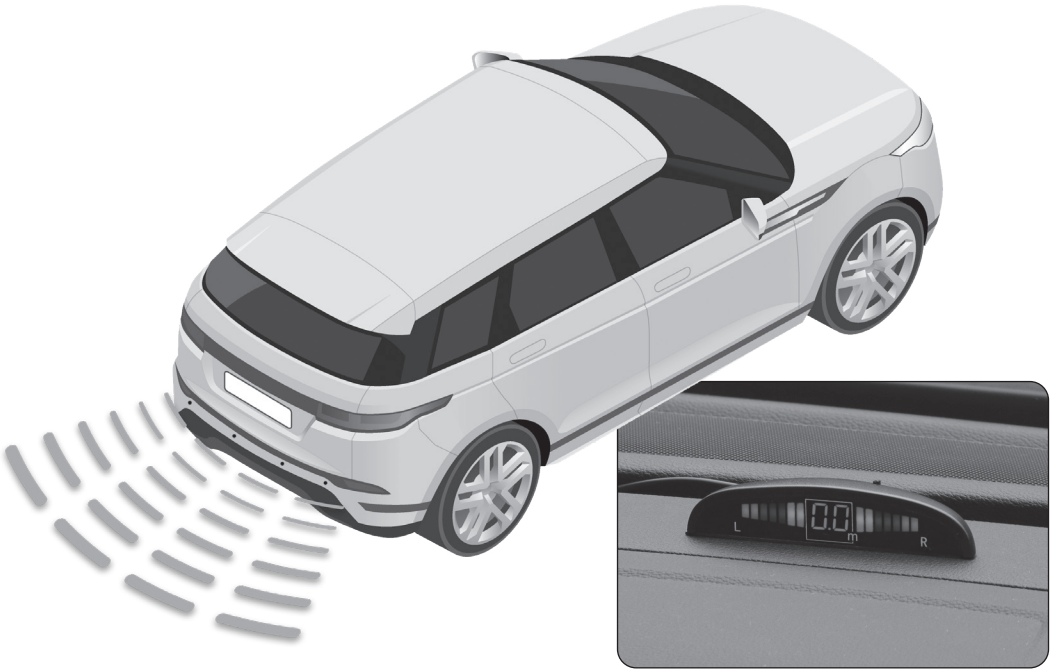


streetwize

SWPARK1

Reverse Parking System

with Audio & LED Display

Information for use

Intention For Use

Thank you for purchasing this Reverse Parking Sensor Kit from Streetwize. The intended purpose for this kit is to assist motorists reversing into tight spots or parking spaces.

The kit comprises four sensors that are fitted on the rear bumper, a control unit and an audio/LED display which sounds an alarm and displays a visual cue when the sensors sense a nearby object.

Before installing this kit to your vehicle, we recommend that you read all the information in this document. Please keep this document for future reference.

IMPORTANT: This system is designed to be a driver's aid and care should be taken in any reversing situation. Streetwize accepts no liability for damage or loss resulting from improper installation or use of this Parking Sensor System.

Product Elements

1. Audio/LED Display
2. Control box
3. 4 x Parking Sensors
4. Power & connecting cables
5. Hole saw drill bit

Product Overview

The sensors that come with this reverse parking kit emits ultrasonic waves to detect objects within 1.8m. They are activated when the vehicle is set into reverse.

If the sensors detect any solid object nearby (within 1.8m), the Audio/LED Display will signal this with audio and visual cues (see Operating Instructions). For any object that is not solid (i.e. person or unusual shape), the maximum detection distance will vary (see Limitations for more information).

Installation Instructions

IMPORTANT: For installing this kit, you must have some prior technical experience or knowledge of installing this type of equipment to your vehicle. If in doubt, we recommend getting assistance from a qualified professional.

To install this product, holes will need to be drilled into your vehicle's rear bumper to fit the sensors.

Each of the sensor's wiring will be connected to the control box. And from the control box, the supplied connecting cables will be used to connect the control box to your vehicle's reversing light and to the supplied Audio/LED display box.

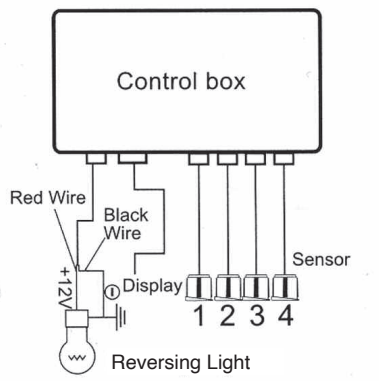


Fig. 1

Figure 1 illustrates a diagramatic representation of the electrical connections, and Figure 2 shows how the product is installed on your vehicle.

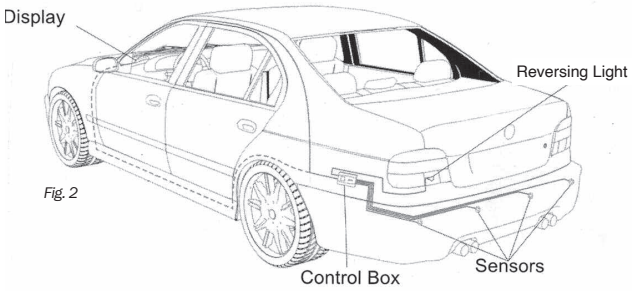
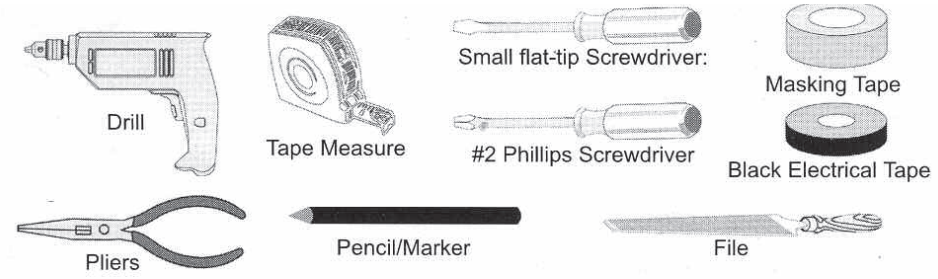


Fig. 2

Tools Required (Not Supplied)



Installing the Sensors

1. With a measuring tape, find an appropriate position for your sensors. Ideally, the sensors should be positioned on your bumper, between 50cm to 80cm above the ground. The sensors need to be in a straight line and there should be a gap of between 30 to 40cm.

2. Use masking tape to mark the straight line on your bumper, and use a pencil to mark on the masking tape where the holes are going to be drilled. See Figure 3.

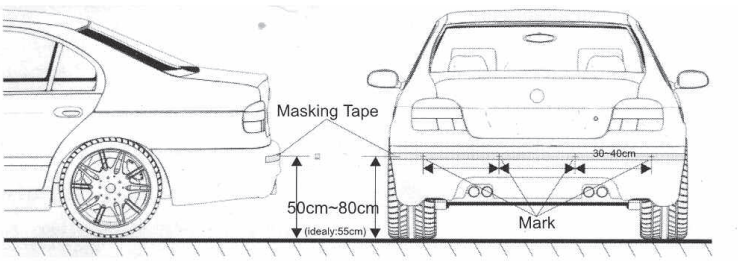


Fig. 3

3. Prior to drilling, make sure there is nothing blocking the area behind the bumper (see Figure 4).

4. Ensure the drill's position is perpendicular to the surface of the bumper. Use the supplied drill bit for drilling the holes.

5. Then insert the sensor into the newly drilled holes, with the wiring going in first (Figure 6). Ensure the sensors are securely in (i.e. flush fit), leaving no gap.

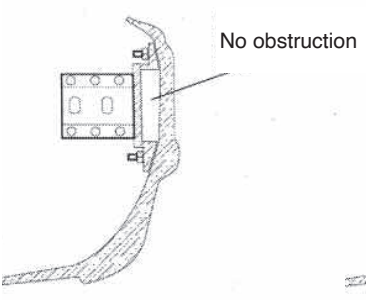


Fig. 4

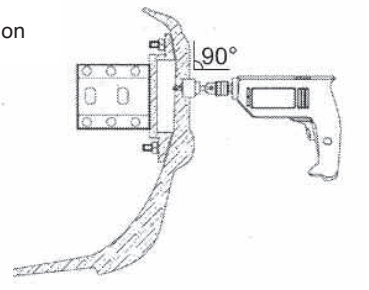


Fig. 5

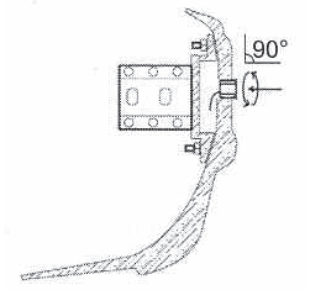


Fig. 6

IMPORTANT: **When installing the sensors, make sure they are fitted vertically. On the reverse side of the sensor lip, you will see an upward arrow to indicate the right side up (Figure 7). Also, when pushing the sensor, never push directly onto the sensor, always handle the sensor via the plastic outer edge (Figure 8).**

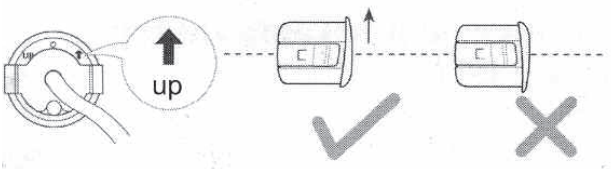


Fig. 7

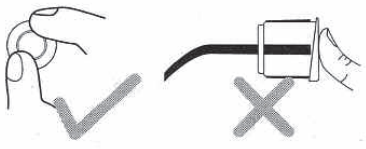


Fig. 8

Operating Instructions

Once the sensors have been installed, the reversing aid system will be activated when your vehicle is fully running and is set to reverse. This kit uses a THREE STEP ALERT system, as shown in Table 1

Alert	**LED Indicator**	**Distance**	**Sound**	**Sound**
Safe	Green	130 to 180cm	1.3 to 1.8	Beep…..Beep
Caution	Yellow	60 to 130cm	0.6 to 1.2	Beep..Beep
Danger	Red	0cm to 60cm	0.0 to 0.5	Beeeeep

Table 1

Limitations

The sensors may not work if the object does not reflect the ultrasonic waves or has an unusual shape e.g. poles/bollards, cardboard cartons, motorcycle/bicycle tyres, small bushes or slender trees. The sensors may not detect another vehicle bumper if it is too high.

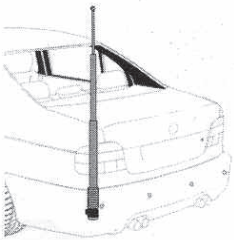
The other significant limitation is that the maximum detection distance will vary depending on the type of object as shown in Table 2.

Object	**Max Detection Distance**
Safe	1.8m
Caution	1.0m
Danger	0.4m

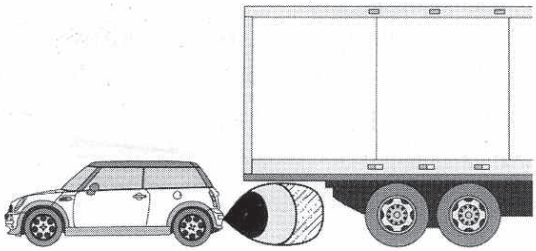
Table 2

The other limitations are illustrated overleaf.

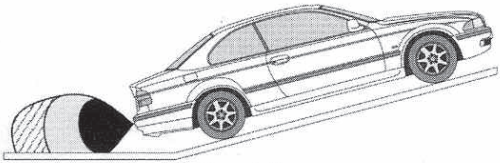
Limitations



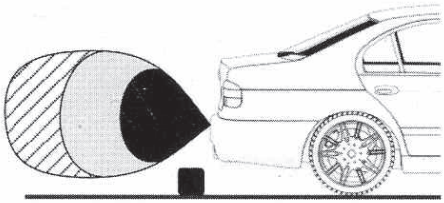
If the vehicle is equipped with high-power radio antenna.



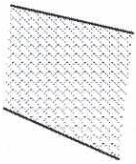
If another vehicle bumper is too high

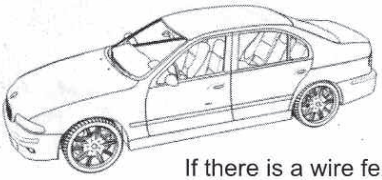


When backing up downhill

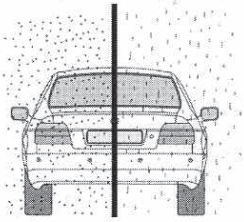


If there is a very small object.

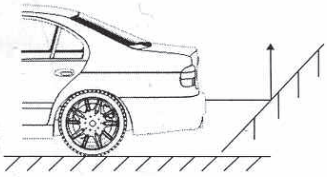




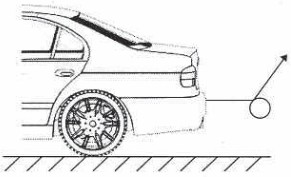
If there is a wire fence.



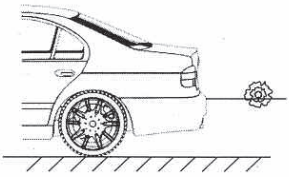
Backing up in heavy rain or snow.



If is smooth slope



If is smooth round object



Objects absorbing wave,e.g.Cotton

Technical Specification

Product	Streetwize Reverse Parking Sensor Kit
Supplier code	SWPARK1
Rated Voltage	DC 12V
Operating Voltage Range	DC9V to DC18V
Rated Current	20mA to 200mA
Ultrasonic frequency	40kHz
Working Temperature	-30oC to +80oC

Streetwize, Ashburton Road West,
Trafford Park, Manchester, M17 1RY

For Product Support:
E: support@streetwizeaccessories.com
T: +44 (0)161 447 8597

For Trade Enquiries:
E: sales@streetwizeaccessories.com
T: +44 (0)161 447 8580

EU Regd. Address: Ace Supply Co (Europe) Ltd. D02 A098, ROI

www.streetwizeaccessories.com