



HAWKEYE PARKING SENSOR SYSTEM

Parking Sensor Systems Made Easy

We have a range of parking sensor systems that range from the basic audible only 2 sensor systems to the sophisticated dual voltage 4 Sensor Systems with DSM technology, LED and distance display with audio.

Our Prox 1 is our basic system 12 volt only suitable for passenger cars and car derived vans. Very reliable with stick on sensors.

We then have 2+4 sensor systems with through hole sensors for plastic bumpers
2+4 sensor systems with underslung sensors for metal bumpers
These units do not have waterproof ECU's and therefore must be sited inside the vehicle.

2+4 sensor systems with through hole sensors for plastic bumpers

2+4 sensor systems with through hole sensors for metal bumpers
2+4 sensor systems with underslung sensors for metal bumpers
All waterproof ECU's for external mounting.

The 5300 and 6400 range all have DSM technology which means that the unit scans 360° every time it is activated to take tow bars, steps and rear door mounted wheels into consideration.

However it must always be stressed that sensors are designed to locate obstacles at their level not obstacles that protrude

above ground level i.e. skips. You should also make sure that sensors are not mounted near an exhaust as the exhaust particles will cause interference and cause false readings.

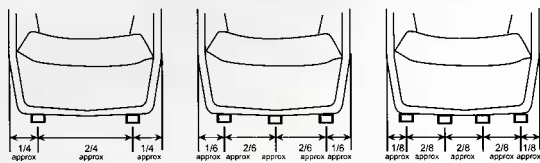
If only 2 sensors are being used on a 4 Sensor System then always use the CL & CR sockets. If the display is to be mounted on the rear parcel shelf then the sensors must be connected as opposites to create the mirror image effect, i.e. CL sensor in CR socket.

Spare parts are available for all units, please consult the catalogue.

Install sensors

(1) Find proper positions

The ideal height to mount sensors is 45cm to 55cm where the bumper is vertical to the ground or a little bit facing upwards. Mark positions on the bumper as suggested below:



Some factors like shape of bumper, space behind bumper may affect your choosing positions. In case you need to install lower than 45cm or where the bumper is facing downwards, sensors with angled housing (e.g. Kb) or angle adjuster (e.g. Kx) are required.

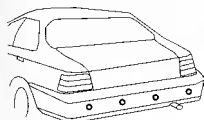
Note

1. Don't install sensors too close to exhaust pipe.
2. With DSM technology (Dynamic Scan Memory) in control module, grade A systems can ignore spare tyre or tow-hitch at the back of your vehicle.

(2) Amount sensors

I. Recessed sensors Km and Kp, Kmp, Kpb

Drill 22mm, 24mm or 24.5mm diameter holes as per the size of sensors. Push-fit the sensors into the holes. Make sure they fit well. To avoid damage, always ensure that there is enough clearance for the drill bit to emerge and enough depth for the sensor body when pushed into fully fitted position.



A too tight fitting may result in false alarm. Burnish the edge of the hole in case of too tight fitting.

II. Screw-on sensors Kx, Kxp

Screw-on sensors are suitable for truck or bus, to be screwed underneath bodywork or on the round bar behind bodywork.

Each Kx sensor comes with 3 different angled rubber wedges, which can optionally be used to adjust the sensor angle if the mounting position would otherwise be too low.

Situation where obstacles may not be detected

Due to the obstacle's position, angle or size, the reflected signal may not reach the receiving sensor. Complex reflections may also occur in a complex environment causing inaccurate detection. See examples 1, 2, 3, 4, 5 and 6.



Low lying obstacles, e. g., kerb.



Complex environment: B and C will be detected but A cannot be detected



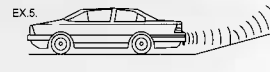
Distance A will be detected first, and then distance B detected when the car reverses close.



However, as the car reverses closer, A may fall into the sensor's blind zone. In such cases, the system will misjudge B as the closest distance.



When the car approaches a glass wall (or any other smooth surface) almost paralleled to the body of the car, the wall may not be detected as most of the signal is reflected away.



When the car approaches a smooth slope, the slope may not be detected.



The system may not detect a small and smooth round pole.