

Kaymar *Fitting Instructions*



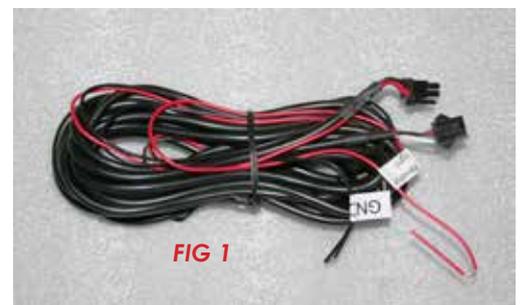
KAYMAR REAR SENSOR FITTING INSTRUCTIONS

Kaymar Rear Sensor Kit

**** IMPORTANT - Read through the instructions and check the attached component list before commencing ****



1. Undo the main power/speaker harness (Refer Fig 1)



2. Feed the speaker plug end of the harness through the firewall into the vehicle. Attach the speaker to a smooth flat surface under the dash using the 3M double sided tape provided (Fig 2)



Note:- the speaker has three settings, OFF/LO/HI (Fig 3)



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3. Run the harness down along the top of the chassis in conduit to the rear of the vehicle. Make sure to cable tie away from any hot surfaces or moving parts

4. Fit the control box in a safe dry location

5. Plug the harness into the control box in the socket marked Power/Disp (Fig 4)



FIG 4

6. An on/off switch is provided for optional fitting for providing a 'mute' function for use whilst towing. Drill a 20mm hole in an easily accessible position inside the vehicle and where you can run wiring to the switch terminals. Three wires are required - earth plus two for power. Switch terminals are: 1. Power to Reverse, 2. Power to the Sensor Control Box, 3. Earth (Refer Fig 5, 6, 7)



FIG 5



FIG 6



FIG 7

7. Plug the sensor adaptor harness into the control box (Fig 8)



FIG 8

8. If not already done, drill four x 24mm holes in the rear bar for the sensors, approximately 400mm apart and placed where there is enough free space behind the bar for the sensors to be fitted.

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9. Wherever drilling paint the exposed metal surface with rustproof paint before fitting the sensors. Note the sensors are marked with their positions as follows: **L** - left, **CL** - centre left, **CR** - centre right, **R** - right

10. Using the coaxial leads supplied connect the sensors to the control box (Fig 9)



11. Cable tie all extra wiring away from any hot or moving parts
12. On the control box there are four dip switches. Ensure number 3 switch is in the on position
Switch 3 is for towbar/spare wheel recognition and should be turned on to bypass these objects. Switch 4 is for sensitivity control, off is normal sensitivity and on is for low sensitivity. We suggest having it off 'unless' the sensors are detecting objects affixed to the vehicle (unlikely) and then if switched 'on' to low sensitivity this will eliminate objects being detected

13. Test the installation by putting the vehicle in reverse (make sure reversing lights have come on) and check all sensors are operating correctly.
When reverse gear is engaged the system will give out 'one' beep after a self diagnostic. If for some reason there is a faulty sensor head or one sensor isn't plugged in properly the system will give out '2 beeps' alerting the driver that one or more sensors are not working.

Reverse up to an object slowly checking the distance from the vehicle to the object as the speed of the beeping increases.

When the beeping changes to a solid alarm check the distance to ensure it is sufficient.

IMPORTANT: THIS MUST BE DONE BY THE INSTALLER

14. For vehicles with OE sensors. Switch off at the dash OR where the vehicle does NOT have an on/off switch or where unplugging sensors disables other related devices e.g. cameras, front sensors etc. use the white foam packing the Kaymar bar was wrapped in and individually wrap each sensor and tape up - successfully tested on some vehicles, this prevents the sensor system from receiving information from those sensors.

Test this procedure works then place the covered sensors inside the rear quarter panel and secure with cable ties away from hot or moving parts.