Rear Parking Sensors

The Mongoose rear parking sensors are automatic and operate only when the vehicle is in reverse gear with the engine running. When selecting reverse, a single beep should be heard to confirm the sensors have switched on. Usually 4 sensors are fitted unless other vehicle equipment makes this impractical such as spare wheel carrier on SUV's, bull-bars or towbar's that may give false alerts. 2 will be fitted as a minimum.
These sensors are an aid to parking and normal driving techniques and precautions must be used.

Stages	Distance	Awareness	Alarm sound	
1	> 1.8m	**Safe**	No sound	-
2	1.8-1.1m	**Pay attention**	Slow beeping	Bi.....Bi.....Bi.....Bi
3	1.0-0.5m	**Be aware**	Faster beeping	Bi..Bi..Bi...Bi
4	0.4-0.0m	**STOP Danger**	Continuous sound	Biiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiii

There some situations where the sensors may no detect a situation or object, or give a false alarm, such as:- heavy rain, snow, ice, very hot or cold, gravel or bumpy road, sensors covered in ice, mud or water, etc.
This is not a fault but a nature of the product. Clean and dry sensors with water, no solvents. Protect with 'Rain-x'.

Smooth slope

Smooth round object
(horizontal or vertical)

Absorbing material
(eg: soft shrubs)

Heavy rain
or water on sensors

At the time of installation, a visual distance display may have been specified and fitted. These only give approximate distances to objects detected and the same allowances above should be taken. Sensors are an aid to reversing and parking and the usual driving techniques and precautions should be taken.

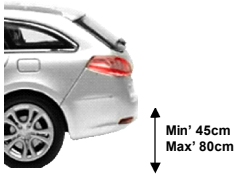
INSTALLATION

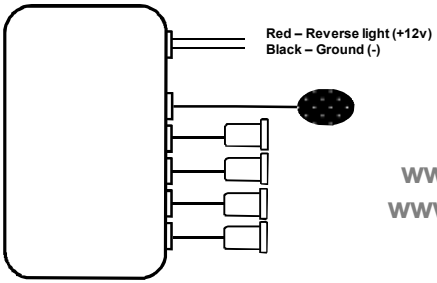
Observe the recommended sensor distances and mark sensor locations. Check behind bumper for unimpeded access.
Use hole cutting tool provided (plastic only). Mount sensors:-
DO NOT PUSH CENTRE OF SENSOR, THEY ARE DELICATE - ONLY PUSH ON RIM !
Route sensors leads inside of vehicle through a rubber grommet. Keep leads away from suspension and the exhaust system.
Connect module wires as shown below and test each sensor for correct operation.

PAINTING

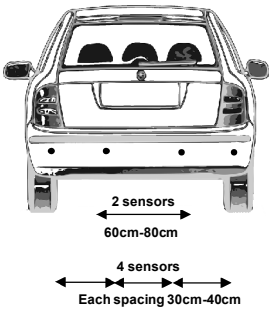
The sensor heads may be painted to match the vehicle colour.
1. Apply a neutral grey primer.
2. Apply two thin colour coats.
3. If required, apply a thin clear gloss.

Allow to dry thoroughly between coats.
Paint 24 hours before installation





Rated voltage: 12v
Operating voltage: 10.5-15vDC
Rated current: 20mA-200mA
Detection range: 0.2-1.3m
Frequency: 40KHz
Working temp: -30c~+80c



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