



2M 13 PIN PRE-WIRED SOCKET

Contents

Pre-wired **13 Pin socket** with 2m of sheathed cable socket, seal, nuts & screws

Warning

Modern vehicles may be fitted with sophisticated electronics to monitor or to switch their road lights. Direct connection of towing electrics to CANBUS, Multiplexed or electronically switched lighting circuits could have an adverse effect and should be avoided. For these vehicles it is therefore strongly recommended that a multi-function by-pass relay (MP389B, MP3877B) is used when making the connections.

Other by-pass relays may be appropriate for some applications. Use of a bypass relay will require a battery supply with an in line fuse (see relay instructions for full details).

There is a statutory requirement to monitor and make the driver aware of the correct operation of trailer indicators when connected. As a minimum, a MP3870B (TEM1A) audible monitor should be used for this purpose.

If in doubt consult an auto electrician or tow bar fitter.

Fitting Instructions for 13 Pin Socket

1. Check vehicle rear lights are working correctly and that the 13 pin socket can be directly and safely connected to them. Switch off all lights and the ignition switch, if necessary isolate circuits by removing fuses or disconnecting the battery. Caution! When removing fuses engine management, alarm or audio equipment may be affected.
2. Fit the pre-wired socket to the mounting plate using the screws and nuts provided.
3. If access for the socket wiring is not provided, drill a suitable hole near to the tow bar, removing any sharp edges with a file, repainting and fitting a suitable grommet.
4. Locate the wiring to the rear lights of the vehicle (usually on one side) and select a suitable point at which to make the necessary cable and relay connections.
5. Identify the function of individual vehicle rear lamp wires by tracing back to the bulb holder or using a circuit tester. Connect the socket wiring as below using the insulated snap connectors, do not cut the wires to vehicle lamps. If any additional relay or bypass relay is used you must also refer to the instructions provided with that relay.

13 Pin Socket	Wire Colour	Circuit Description
Pin 1	Yellow	Left hand indicator
Pin 2	Blue	Rear fog lights
Pin 3	White	Suitable good earth (contacts 1-8)
Pin 4	Green	Right hand indicator
Pin 5	Brown	Right hand tail lamps
Pin 6	Red	Stop lamps
Pin 7	Black	Left hand tail lamp
Pin 8	Pink	Reverse
Pin 9	Orange	Battery Supply (permanent)
Pin 10	Grey	Battery Supply (Ignition switched)
Pin 11	White/Black	Earth return (contact 10)
Pin 12		Not provided
Pin 13	White/Red	Earth return (contact 9)

6. Ensure that all wiring connections are correct, replace any fuses removed. Connect the trailer 13 pin plug and check vehicle and trailer lights function correctly. Trailer indicators and audible sensor should operate simultaneously with vehicle lights.

Notes

Earth connections can be made to the vehicle chassis or bodywork. A good connection is important; this should be an earth point or bare metal, free from paint or rust.

If there is a requirement to disconnect the vehicles rear fog lamps when towing to prevent back glare, this can be done automatically by fitting either fog cut off sockets MP26B or MP1295B.