

MP8077B2M PRE-WIRED 13 PIN SOCKET WITH TWIN CABLES

Contains: 13 Pin Socket with MP099FTB Gasket, ready wired with 2.0m of 7 core and 2.0m of 5 core aux. cable.

WARNING

Modern vehicles may be fitted with sophisticated electronics to monitor or to switch their road lights.

Direct connection of towing electrics could have an adverse affect. For these vehicles it is therefore strongly recommended that a multi-function by-pass relay (MP3877B) is used when making the connection. If in doubt consult an auto electrician or tow bar fitter.

Fitting Instructions.

1. Check vehicle rear lights are working correctly. Switch off all lights and ignition switch. If necessary isolate circuits by removing fuses or disconnecting the battery. **Caution!** When removing fuses or battery connection, engine management, alarm or audio equipment may be affected.
2. Fit the pre-wired socket onto a mounting plate close to the tow ball and vehicle towing bracket.
3. If access for the cables is not provided, drill suitable holes near the tow bar removing any sharp edges, repainting and fitting suitable grommets or using a sealant.
4. Enter the cables and strip off the outer covers as necessary, taking care not to damage the conductors.
5. 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 connections.
6. Identify the function of wires in the vehicle wiring by tracing back to the individual bulb holders of the rear lights or using a circuit tester.
7. Connect the cables using the following wiring codes: -

13 Pin Lighting Connections

Black Cable	Function
Pin 1	Yellow L/H Direction Indicator
Pin 2	Blue Rear Fog Lamps
Pin 3	White Earth Return
Pin 4	Green R/H Direction Indicator
Pin 5	Brown R/H Tail & No. Plate Lamp
Pin 6	Red Stop Lamps
Pin 7	Black L/H Tail & No. Plate Lamp

Notes for Wiring

It is a legal requirement that a signal shall be provided to the driver when the indicators of a towed trailer are working correctly. A selection of Maypole towing relays is available to conform with this requirement.

Number plate lights on the trailer should be wired to avoid a common contact between pins 5 and 7 of the socket.

Grey Cable	Function
Pin 8	Yellow Reversing Lamps
Pin 13	White Earth Return (for Pin 9)
Pin 9	Green Power Supply
Pin 10	Red Switched supply
Pin 11	Black Earth Return (for Pin 10)

Notes for 12S Wiring

3. Pin 10 supply should be connected through a relay, so that current is only passed when vehicle engine is running. Dual charging relay (Part No.MP2883) is recommended for this purpose.
4. Pin 9 which supplies interior lights and battery charging for caravans, is switched for battery charging by a relay in these caravans when the vehicle engine is running.
5. Always use a suitably fused battery supply for live connections. When extending cables, use wire of the same or greater thickness to prevent voltage drop.

Always test the vehicle and trailer lights before towing. If you have any problems with wiring or compatibility, consult an Auto Electrician or your Caravan Dealer.