



Tow Bar Wiring KitMP383

For trailer lighting.

Suitable for 12v Negative earth vehicles with constant rate direction flasher unit.

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 (MP3877) is used when making the connection.

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

CONTENTS

Pre-wired lighting 12N socket.

Mounting plate with socket seal.

Audible sensor for trailer indicator circuits

Cable snap connectors

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 engine management, alarm or audio equipment may be affected.

2. Fit the pre-wired socket mounting plate between the towball and vehicle towing bracket using the existing mounting bolts.

3. If access for the socket cable is not provided, drill a suitable hole near to the towbar, 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 mount the Audible Relay and make the necessary relay and 7 core cable connections.

5. Strip approx. 150mm. of the 7 core black cable sheath taking care not to damage the wires inside.

6. Identify the function of individual vehicle rear lamp wires by tracing back to the bulb holder or using a circuit tester.

Connect the relay and 7 core cable using the snap connectors provided, as below, following the wiring Diagram 1.

If a multi-function bypass relay is used you must also refer to the instructions provided with this relay.

12N Socket

Pin 1
Pin 2
Pin 3
Pin 4
Pin 5
Pin 6
Pin 7

7 core cable

Yellow
Blue
White
Green
Brown
Red
Black

Connection

Yellow of the Audible sensor
Rear Fog lights in vehicle wiring
Suitable good earth
Green of the Audible sensor
R/H tail lamps in vehicle wiring
Stop lamps in vehicle wiring
L/H tail lamp in vehicle wiring

AUDIBLE SENSOR CONNECTIONS

Orange of Sensor	-	L/H indicator lamp in vehicle wiring
Slate of Sensor	-	R/H indicator lamp in vehicle wiring
White of Sensor	-	To suitable good earth

Connect these using the insulated snap connectors provided. Do not cut the wires to vehicle indicator lamps.

7. Ensure all wiring connections are correct, replace any fuses removed, connect trailer 12N plug and check vehicle and trailer lights function correctly.

8. Tape the audible sensor to the vehicle wiring, making sure not to cover the sound output holes or if increased volume is required, fix sensor relay to a metal panel using the mounting points provided.

Trailer turn indicator lamps should flash in unison with vehicle indicator lamps and Audible sensor should buzz. Failure to buzz shows trailer indicator lights have failed. Check connections and bulbs.

Notes

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

Number plate lamps on the trailer should be wired to avoid a common connection between terminal 5 & 7 of the 12N socket.

