



FITTING INSTRUCTIONS

Universal 12N 7 Pin Single Electric Kit (2 metre cable, prewired) with TEB7AS Bypass Relay

Suitable for use on 12V negative earth vehicles only (not Jaguar S Type 7 some XJS's)

Contents:

- | | | | |
|---|---|---|---|
| 1 | 12N prewired 7 pin socket with 2 metre cable with three socket screws/nuts | 1 | Blue Blade fuse holder & 15amp blade fuse |
| 1 | TEB7AS Type approved 7 Way Towing bypass relay complete with inbuilt audible flasher monitor (buzzer) | 2 | Ring earth terminal |
| 1 | Grommet | 1 | 4 metre 9's cable |
| | | 1 | 5 metres of 28's Black cable |

General Information

Fitting Instructions

- ⇒ Before commencing with installation please read all of these fitting instructions carefully.
- ⇒ Check all circuits/lights are working correctly on the vehicle.
- ⇒ Switch off all lights and ignition and isolate circuits.
- ⇒ Fasten socket to towbar using provided plate.
- ⇒ If access for the sockets 7 core cable is not provided please drill a hole through the back panel or floor of the boot.
- ⇒ Fit grommet (if required) and root the cable into the boot of the vehicle.
- ⇒ Route 7 core cable into rear of vehicle and connect wires as per diagram below into the TEB7AS relay
- ⇒ Locate the vehicles wiring harness and connect signal wires from the TEB7AS relay using snaplock tap connectors provided (or solder joints or similar if required) to the vehicles harness as shown on fitting diagram below. Connections should be made at a point close the car lamp circuit. Unless fitted twin or 13 pin electrics they is no need to connect the grey signal wire to the reverse feed on your vehicle. You may find at this point you need to use some of the 4 metres of 9's cable to route from one side to the other if any of the cables aren't long enough. For example if you were wiring on the near side of the vehicle but there wasn't a feed in the harness for the off side indicator and/or side light then you would use the wire to run along the boot floor to the off side of the vehicle and locate and connect into the harness on this side. **WARNING** only test for the vehicles road light function wires using a digital volt meter or a high impedance automotive tester .
- NOTE: If the vehicle has a single wire supplying the side lights and brake connect only the red wire (brake light) to the loom and tape back the brown and black wires for the side lights. Similarly if the side lights and fog lights have a single feed connect just the blue wire (fog light) and again tape back the brown and black wires**
- ⇒ Connect earths to vehicle body using ring terminals. A good connection is important and must be made to bare metal free from rust or paint.
- ⇒ Route the provided 28's cable from a appropriate permanent power feed (normally the vehicles battery or fuse box) fitting the inline blade fuse holder (but omitting the fuse at this time) and connect into the TEB7AS 12v terminal.
- ⇒ **NOTE: Do not make any connection to the TT terminal on the TEB7AS unless you wish to connect a panel lamp onto the vehicles dashboard to give you a visual indicator warning. To do this connect panel lamp to TT via light signal wire and then from the panel light to earth**
- ⇒ Secure TEB7AS relay and wiring using tape, cable ties or similar.
- ⇒ Reconnect power (Always follow vehicle manufacturers instructions).
- ⇒ Insert 15amp blade fuse and test with engine running. If using a trailer board/socket tester for testing please ensure that it draws 21W in order to initiate the audible monitor. This should sound in unison with the vehicles indicators. The operation of the tester or test board should mirror the vehicles' rear road light operation. Please insure that audible monitor can be heard by driver.

Fault Finding

Buzzer not sounding:

- Recheck all connections and correct wiring pairing
- Check that trailer (test board) indicators are working
- Check bulb wattage and earth connections. LED testers do not draw significant current

Buzzer is continually sounding

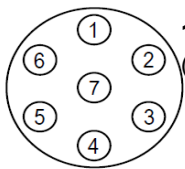
- Check all connections and check socket and trailer unit for earth faults

Relay is clicking

- This is normally even with no trailer attached.

Trailer side/brake/fog lights are flashing on and off

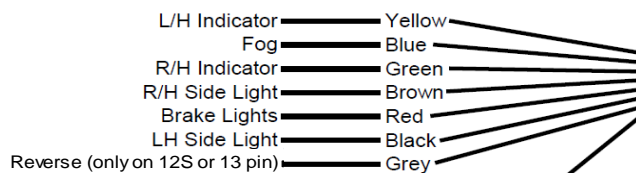
- Please check trailer plug, 7 pin socket and relays earth connections.



12N 7 Pin Socket

(Viewed from front through flap)

Vehicle Road Lights



12v
Permanent
Live

15 amp inline fuse

White

12v
TT

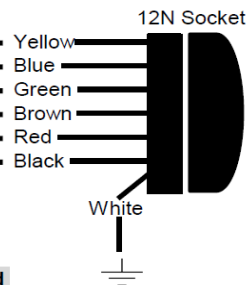
TT **do not use** unless
fitted panel lamp (read
instructions for full details)

TEB7AS
7 Way Universal

1
2
4
5
6
7
R

From 12S socket **if fitted**

12N Socket 7 Core Cable



PART NUMBER: M7-WK7



12N 7 Pin

Single Electric Kit

with TEB7AS Bypass Relay

PART NUMBER: M7-WK7