



Tow-Trust Towbars

Tel: 01827 717412

Email: technical@tow-trust.co.uk



Issue 2

Kit 5 – 13 Pin Electrics With Buzzer Wiring Kit

Item	Qty	Description	Item	Qty	Description
A	1	13 Pin Pre-wired Socket	F	4	Ring Terminals
B	1	Audible Buzzer	G	10	Blue Snap Connectors
C	1	Voltage Sensing Relay	H	1	Self-tapping Screw
D	1	5 Metre Length Of Power Cable	I	1	3 Metre Length Of Twin Core Cable
			J	1	Fuse Holder
			K	1	20 Amp Fuse

1. Mount the pre-wired socket to your chosen socket plate (not supplied in this kit) using the screws provided.
2. Route the cable into the vehicle through a suitable grommet.
3. Connect the audible buzzer to the following wires and the vehicles wiring loom as shown below;

Wire Colour On Audible Buzzer	Connects To.....
Yellow	Yellow wire on 7 core cable
Green	Green wire on 7 core cable
Orange	Left Indicator Wire On Vehicle
Grey	Right Indicator Wire On Vehicle
White	Vehicle's Earth Point 0V

4. Connect the remaining wires from the 13 pin pre-wired socket to the vehicle's wiring loom as shown below;

Pin Number On 13 Pin Socket	Wire Colour	Connects to.....
1	Yellow	L/H indicator
2	Blue	Fog Light Wire On Vehicle
3	White	Vehicle's Earth Point
4	Green	R/H indicator
5	Brown	R/H Side Light Wire On Vehicle
6	Red	Brake Light Wire On Vehicle
7	Black	L/H Side Light Wire On Vehicle
8 (R On Bypass Relay)	Thick Yellow	Reverse
9	Thick Green	Permanent Live +12V
10	Thick Red	Switched Live
11	Thick Black	Vehicle's Earth Point 0V
12	Not Connected	Not Connected
13	Thick White	Vehicle's Earth Point 0V

5. Route the supplied power cable from the battery through the vehicle to the location of the voltage sensing relay (part D) fitting the inline fuse holder, but removing the fuse at this stage.
6. Connect the remaining wires to the voltage sensing relay as shown below:

Relay Terminal	Connection
12v	+12V Cable from car battery
12v	+12V Cable from car battery
6	Pin 6 Red Wire
4	Pin 4 Green Wire
0v	Suitable earth, minimum 16/0.2 thin wall preferably to chassis with ring terminal

7. Connect the Thick yellow wire in the grey 12S cable to the vehicle's reverse light circuit.
8. Connect the black and white wires from the pre-wired socket to a suitable earth point using one of the provided ring terminals.
9. Insert the inline fuse and test all functions with a suitable test board.