

VLM4 Installation Procedure

Instruction no 40.1

Title:

Parts required: VLM4 unit c/w 9 & 2 pole leads, fixing screws (as required)

Hazards Identified during installation: sharp edges.

Tools Required: Posidrive screwdriver No2.

1

Check the VLM4 kit supplied for damage or omissions. The kit should contain the following:

1off VLM4 assembly

1off 9 pole to 9 pole lead

1off 2 pole to 2 pole lead

1off bag of fixing screws (4off 6*3/8)

1off instruction sheet (this one)



2

Locate the road light fuse box which is located in one of the front bed lockers, this is as shown in the image to the right.

Ensure that the car is not connected to the caravan via the 13pin lead also turn off the PSU using the shut down button.



3

Insert the leads as supplied in the relevant connectors on to the VLM4 PCB.

White 9 pole connector into the white 9 pole on the VLM4 unit.

Red 2 pole connector into the red 2 pole on the VLM4 unit.



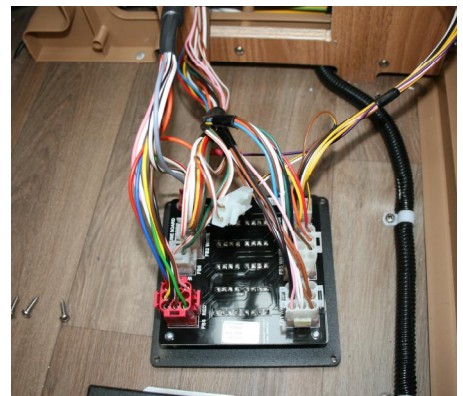
4

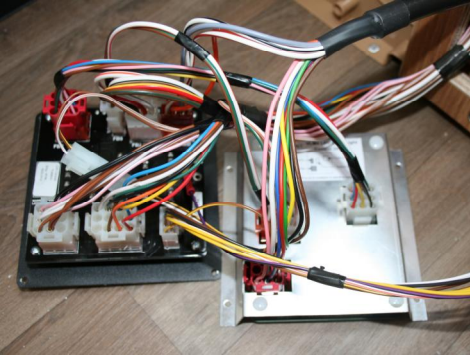
Remove the 4 fusebox securing screws, and gently ease the fusebox forward.

Locate the 13pin (red) 9 pole connector, this should be located in connector FB6. Gripping the two tab either side of the connector compress these which should then allow the connector to be gently pulled free.

Insert the 9 pole lead from the VLM4 (red connector) into the now vacant FB6 connector.

Insert the 13pin (red) 9 pole connector into the red 9 pole connector on the VLM4 unit.



5	If the caravan is equipped with ATC then locate the 2 pole connector this should be located in connector FB5. Gripping the two tab either side of the connector compress these which should then allow the connector to be gently pulled free. Insert the 2 pole lead from the VLM4 (white connector) into the vacant FB5 connector. Complete the wiring by inserting the connector removed from FB5 in to the white 2 pole connector on the VLM4 unit	
6	Using the fixing screws supplied or suitable equivalent secure the VLM4 unit to the caravan. Re-fit the 4 fusebox screws ensuring that all wiring is free and not trapped, pay special attention to cables touching sharp radiator fins.	
7	Test the systems for correct operation. “ Road lights. “ Driver Warning confirmation. “ Caravan charging/fridge operation. “ ATC Power.	

Caravan Details Car Details Date of Sale

Customers Details

Installer Signed Date

VLM4 User Instructions

Your caravan has been equipped with a Sargent VLM4 electronic control unit to provide vehicle compatibility with the LED roads lights fitted to the caravan. The following points should be followed when connecting your caravan to your car.

- 1) Ensure the car engine and ignition is turned OFF.
- 2) Connect the caravan 13-pin plug to the car socket. The VLM4 will power up and test all caravan road lights by flashing each one in turn.
- 3) The road lighting system is now ready to use.

Whilst driving the VLM4 continuously monitors each lighting circuit. When an indicator is operated, should the corresponding LED light fail this failure will be signalled to the car.

If the unit also detects a failure of the other LED lights (brake, fog, reverse) then this will be signalled to the car when an indicator is operated, by signalling an indicator failure. This method had been adopted as all tow vehicles are required to monitor the indicator circuit operation.

As there are many different types of vehicle and lighting monitoring systems, the type of VLM4 fitted to your caravan has been matched to your car type. If you plan to change your vehicle then VLM4 compatibility should be discussed with Sargent. Further information is available at www.sargentltd.co.uk