13 Pin Plug lead from caravan A frame

Left Hand Indicator
Fog Light
Road Light Neutral Only
Right Hand Indicator
Right Hand Tail Lights
Brake Lights
Left Hand Tail Lights
Reversing Light

Fuses
Fuses need to be appropriately rated for the circuit. For example if you have all LED taillights and marker lights you might be able to use 3A or 5A fuses.

For the **Grey Road Light Neutral** a fuse is not needed. However I usually put a 40 Amp fuse in as a link. (It's also a handy security trick... remove that fuse and non of the road lights will work)

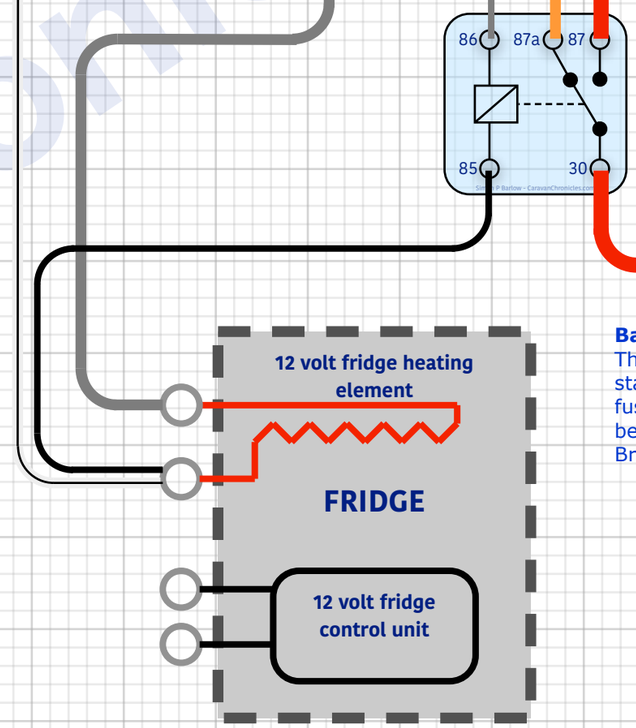
To the caravan main 12 volt fuse board

12 Core Cable
12 Core cable is normally 7 cores of 1.5mm and 5 cores of 2.5mm cable.

The 2.5mm cores are for the Road lights neutral, Fridge supply and neutral and leisure battery charing circuit and neutral.

WARNING
When wiring up the three neutrals (road lights - leisure battery - Fridge) **SHOULD NEVER BE CONNECTED IN THE CARAVAN**

This is so that if a fault develops in one of the neutrals the remaining cannot be overloaded.



Habitation Relay
Normally a 40 Amp changeover relay

Battery Fuse
The drawing shows a standard hi-capacity fuse, however this could be replaced by a Circuit Breaker

1	Yellow	Left Hand Indicator
2	Blue	Fog Light
3	White	Earth - Road Lights
4	Green	Right Hand Indicator
5	Brown	Right Tail Lights
6	Red	Brake Lights
7	Black	Left Hand Tail Lights
8	Pink	Reverse
9	Orange	Perminant Power - Leisure Battery Charge
10	Grey	Switch Supply - Fridge Power
11	White/Black	Earth - Fridge Power Circuit
12		
13	White/Red	Earth - Leisure Battery Charge Circuit

Links to the products can be found on the Caravan Chronicles Shop page:

https://caravanchronicles.com/caravan-chronicles-shop/

Title	Caravan Connection Upgrade - Drawing No 01
Drawn	Simon Barlow
Date	03/7/2019

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