



OPERATION

Switch 1 - LED Light Bar - will activate the top relay and provide power to the LED light bar via a fuse from the main positive (+ve) power supply.

Switch 2 - Driving Lights - will activate the lower relay and provide power to the driving spot lights via a fuse from the main positive (+ve) power supply.

Switch 3 - While in the 'OFF' position has no effect on either LED Light Bar or Driving Lights. In the 'ON' position it will synchronise the operation of the main beam to turn on both the LED Light Bar and Driving Spot Lights. For example with the switch in the ON position, turning on the Main Beam will automatically turn on both sets of aux lights. Turn main Beam off and Aux lights will turn off.

Daytime flashing of the headlights will flash all Aux lights at the same time.

Due to the diodes, operation of either the LED light Bar on its own or the Driving Lights will not operate any other lights even if the Main Beam Sync is ON.

BUILD NOTES

The link between the switches and relay location can be via a multicore cable. 7 core trailer cable is an easy cheap source.

The black neutral line supplied to the switch location is to provide neutral for illuminated switches.

The signal from the headlights (green wire) can be found under the dash. However as it's likely you will be fitting additional lights and wiring in that area it might be easier than dismantling the dash and tracing wires. especially if using a multicore cable to the switch pod on the dash.

Diodes. - 1N5401 3A Silicon Rectifier Diodes, you can find packs of 10 for about £2 on Amazon

Relays - 30A or 40A Single pole, Normally Open (NO) can be found on Amazon.

Positive and Negative connection either directly from the battery or ignition switched source.

Signal Wire connected to Main Beam circuit (This connection may be found under the dash)