



TROUBLE SHOOTING

It is good practice to disconnect the battery from its normal working location. Most modern vehicles constantly draw power from a battery even when the vehicle is not running, this also includes batteries in caravans and motor-homes where they supply auxiliary equipment, and especially if solar panels are part of the 12v circuit. The reason for this is when the charger is connected the charger will not only be trying to charge the battery but also power any auxiliary equipment and can damage the charger, vehicle and blow fuses. It is also good practice to first start the charging at 5amps.

In all cases unplug the charger and make sure connections are secure.

Check the red 10amp output fuse, if it has blown replace with another.

A deeply discharged battery may not register with the charger and will not charge or if it attempts to charge may well cause the fuse to fail. Replacing the battery may need to be considered.

If the battery is in otherwise good condition, e.g. discharged overnight due to light being left on, if the fuse fails start charging at only 5amps.

A battery with a shorted cell in this condition may cause any fuse to fail. It will not accept a charge and replacement should be considered.

Charger leads are connected in reverse causing the fuse to blow, this may damage battery and charger.

Touching the charger leads together with the charger turned on. This causes a spark which is dangerous if near a battery and could severely damage the charger.

Switching from 12v to 24v when live and connected to a 12v battery will cause the fuses to fail from a power surge.

Worn out battery with sulphated plates, replacement should be considered.

Modern batteries are normally very stable provided they are maintained with a good charge. In most cases once a battery has discharged for a long period or will not maintain a charge will necessitate it being replaced.

IF A BATTERY IS LEFT UN MAINTAINED FOR LONG PERIODS AND DISCHARGES IN MOST CASES THIS WILL CAUSE IRREPARABLE DAMAGE AND WILL REQUIRE THE BATTERY TO BE REPLACED