

## Care of 12V Compressor fridges

### Do not turn upside down.

The compressor contains oil. Tipping upside down can cause oil to get into the fridge pipe blocking the system. If it does get accidentally turned upside down, leave it to stand for an hour to let the oil drain back before turning on. Do not tilt the fridge more than 45degrees. The end with the compressor can be tilted more as the pipes come out of the compressor at this end.

### Warnings: Give your fridge a gentle ride.

Excessive vibration can cause refrigerant gas leaks, most are not repairable. I recommend putting the fridge on foam rubber and tying it down with a synthetic rope with a bit of give.

### Warning with Fridges on sliding trays or linear bearings.

Keep the leads clear of the sliding mechanism. The lead can become caught in the mechanism and wear away the insulation causing melting of the lead or possible fire. With the 240 V lead possible electric shock and death. The use of a safety switch for added protection is also recommended.

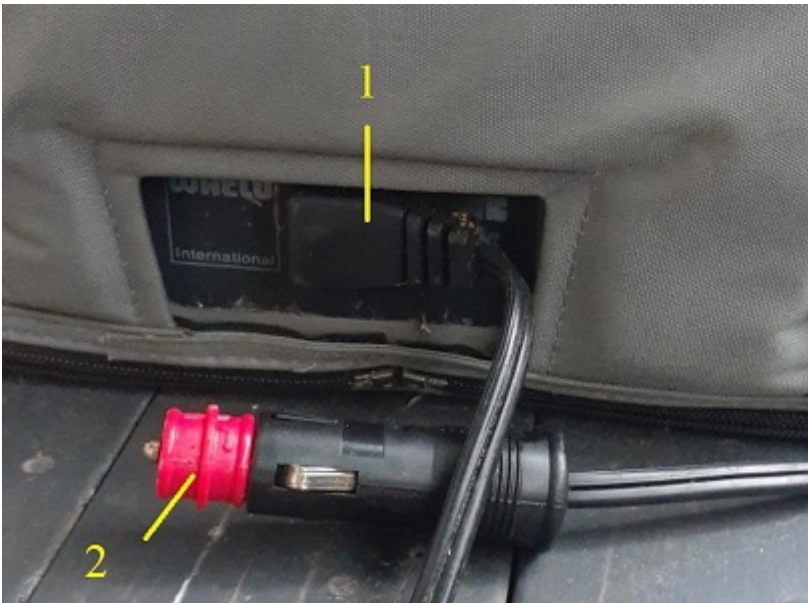
### Anderson plug

A Anderson plug ( or other low voltage plugs and sockets) is recommended for more reliable connection in moving vehicles. Cigarette plugs and sockets are near their rated current and tend to rattle loose. Do not use 240 VAC plugs and sockets (Including IEC plugs and sockets. These are used for removable leads on appliances).

Danger from wrong connection!! Get the DC positive and negative correct! Use a digital voltmeter to check the polarity before and after installing the plug. The compressor PCB is diode protected from the reverse connection **but the other PCB may not** be including the control and display PCB.

### Plugging the Fridge in.

Plug the fridge plugin first, then the cigarette sockets. They will only fit one way but the electrical connection can be made when trying to plug them in the wrong way. It can cause the electronics to fail!



**Use the fridge** at regular intervals. The compressor can rust up if not used for a long time.