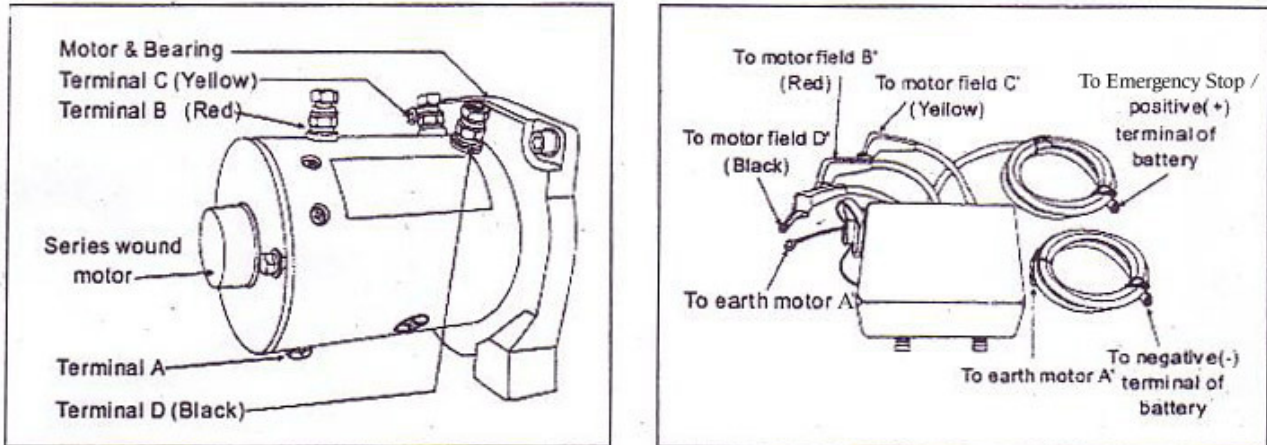


## Electrical Installation

Following diagram shows only a brief installation, it is necessary to follow all installation advises later on to be compliant with European Machinery Directive 2006/42 EC and EN14492-1.



Always ensure the correct voltage corresponding to the vehicle electrical system is used. The winch is supplied with a load limiting device. The solenoid box is pre-wired with a red cable including a shunt wire. On no occasion should the shunt wire be either shortened or removed.

Mount the solenoid box either on the winch using the winch tie straps provided, or in a convenient position remotely from the winch so it is not susceptible to damage. Also consider water and snow ingress. It should be positioned so this cannot occur. Note: It is very important that the solenoid control box is easily accessible to enable solenoid replacement in the event of a failure.

Further, the inbuilt load limiting device is fused (5A rapid). Winch will not operate when fuse is blown.

The power feeds from battery to solenoid box must be rated at 240 amps for 12V and 120 amps for 24V winches. When installing the winch, an adequate fuse must be built into the positive lead as close as possible to the battery.

The solenoid box should be wired to the winch motor as shown in the drawing. Always connect an earth wire for grounding direct to the battery and not just to the chassis.

The load limiting device is supplied factory set, but the shut down line pull may not necessarily be accurate for the application due to electric components, voltage, cable lengths etc. and must be checked after winch installation.