

FITTING INSTRUCTIONS

Triumph TR2/3 starter motor

Partnumber: 082.105

The Powerlite high torque starter motor is of the pre-engaged reduction gear type with the solenoid contained in the main body. The main body comprises a steel-gearred gearbox and solenoid with the high-speed motor mounted above or below depending on application.

Electrical fittings:

The large stud connection on the body is the main power feed and this is fitted with a link wire to the solenoid trigger spade terminal in the black shroud.

Fitting as replacement for pre-engaged' starter motors:

Most pre-engaged starter motors have a main power feed connection and a solenoid trigger connection. Remove all wiring from the original starter motor and remove the unit from the car. Every care is taken to supply the correct motor but you should check the projection of the pinion and diameter of the pinion is the same on the old and new unit. Remove the link wire on the Powerlite unit that is fitted between the stud and spade terminals. Fit the Powerlite starter to the car. Fit the main power feed to the stud terminal. Fit the solenoid trigger wire to the spade terminal taking care that it is fully home and no stress is placed on the terminal with the wire in place.

Fitting as replacement for inertia starter:

Most cars originally fitted with inertia starter motors have a separate bulkhead mounted solenoid and a single heavy power cable connecting this to the starter motor. Remove this power cable from the motor and remove the unit from the car. Every care is taken to supply the correct motor but you should check diameter of the pinion is the same on the old and new unit. Fit the Powerlite starter to the car. Leave the link wire in place. Connect the main power wire to the starter stud terminal and make sure the link wire spade terminal is pushed fully into position. The original bulkhead mounted solenoid is still operative. This allows the under bonnet appearance to remain unchanged and original looking. However, the solenoid is a potential area of starting failure. It is possible to remove the solenoid from the starting circuit by rerouting the wiring from the solenoid to the Powerlite starter and removing the link. Consult a qualified auto-electrician if you are uncertain of attempting this.

