



# INSTRUCTIONS

## Starter Motor

### Please Read These First

These instructions are intended as a guide only and are not a substitute for a workshop manual. The fitter must have a degree of mechanical competence. If you are in any doubt as to your ability to fit the part, do not undertake the job.

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## Starter Motor

Starter motors are often located in hot and inaccessible locations, it is strongly recommended that the engine be allowed to cool fully before beginning the repair

Before renewing the starter motor check the battery condition and renew/charge it as necessary

### Removing the old starter

Disconnect battery earth lead, then disconnect battery live.

Disconnect electrical connections to the starter motor and/or solenoid. Make a careful note of each connection. Check connectors and wires for damage/corrosion correct as required.

Check engine – chassis earth leads

Unbolt and remove starter motor

Check old starter motor for damage that may affect the replacement unit. E.g. excessive dust on the drive gear may indicate a clutch/flywheel fault, Oil/water stains may indicate that the old unit failed due to an engine leak, a blued/burnt starter may indicate either an inherent starting fault or a meshing fault. These faults should be addressed to prevent premature failure. Compare the old unit to the new unit; look for locating dowels/bushes. Swap over and renew if damaged mating surface.

### Connecting the new starter

Connect new starter motor, matching the connections from the old unit, ensure that the leads are routed away from any hot/moving surfaces.

Reconnect battery, connecting earth lead last.

Start engine.

