



# AUTOELECTRO

Since 1986

## STARTER MOTORS & ALTERNATORS

**IMPORTANT PLEASE READ THE INFORMATION BELOW BEFORE FITTING THIS PART AS THERE ARE KNOWN ISSUES WHICH WILL RESULT IN THE PREMATURE FAILURE OF THE UNIT AND MAY INVALIDATE YOUR WARRANTY**

The vehicle this starter motor is fitted to has known faults which can cause the starter motor to burn out and fail prematurely.

The fault is often misdiagnosed as a faulty starter motor or solenoid. The following defects on the starter motor you are replacing will be an indication of a vehicle fault that has caused the failure of the part:

- Blue colour on the gear shaft and pinion area
- Rattling inside the starter motor when shaken indicating components have exploded
- Burnt smell from starter motor/Varnish leak
- Damaged pinion teeth/Broken nose cone
- Burnt/discoloured/melted broken wire from solenoid to starter body
- Shrivelled/burnt label

**Possible vehicle faults that could cause the failure of the starter motor**

- Intermittent pulse on crank sensor
- Stretched timing chain
- Pump pressure control unit
- Fuel rail pressure regulator
- Injectors leaking back into tank giving low fuel pressure
- Scuttle panel leaks water into engine bay on to fuel injectors, poor injector signal due to water ingress
- Wiring defect in wiring loom behind n/s headlamp, a "u" bend in the loom can corrode due to water ingress, the loom connects to an ECU which controls the glow plug system and immobiliser and this can give an electrical malfunction resulting in poor starting.
- Check for damaged wiring for ignition switch due to chafing against steering rack
- A worn or damaged ignition switch base

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