



# 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**

**COMMON ISSUES WITH THIS VEHICLE CAN CAUSE THE STARTER MOTOR TO FAIL PREMATURELY.**



The fuel injectors on these vehicles are prone to leaking thus giving reduced pressure and making it difficult to start the vehicle, this leads to excessive cranking of the engine during start up which over a short period of time can cause the starter motor to burn out.

Symptoms are often misdiagnosed as a faulty starter motor or solenoid.

Check the original starter motor for these common signs of being burnt out :

- 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
- Grey or metal like substance in nose cone area or on gear shaft



Signs of grey/metal dust can indicate that failure of the starter motor has been caused due to a failing Dual Mass Flywheel.

This dust can cause the bearing and gear shaft to become dry which results in the starter motor being noisy during operation and/or the pinion to stick on the gear shaft. In extreme circumstances the dust can stick to the magnets inside the starter motor and result in the starter motor exploding. Failure caused by dual mass flywheel is not a manufacturing defect and will **not** be covered under warranty.

**FREE** vehicle specific technical information is available by visiting [autoelectro.co.uk](http://autoelectro.co.uk) OR scan this QR code



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