



## Alternator/Starter Known Faults

**Vehicle: Rover 214/414 1.4 1992 – 2000**

**Part number affected: AES7108**

There are known faults with the vehicle this starter motor is fitted to which cause the starter motor to burn out and fail prematurely.

The symptom can be either the engine cranks but fails to start or the engine continues to run when the ignition is OFF.

The fault is caused by poor condition of earth points allowing a small amount of voltage to pass between the engine control module and the other earth points, and/or interference with the signal from the alarm system control module.

In order to rectify this failure it is recommended the earth strap from under the bonnet on the front panel adjacent to the battery are removed and cleaned. Ensuring all paint is removed from the connecting surfaces and bolts.

**Vehicle: Vauxhall Vectra 1.8 Petrol 2002 – 2009**

**Part numbers affected: AEA5215, AEC1765, AEC1960 & AEK2823**

There is a known fault with the vehicle this alternator is fitted to which causes a charging fault and the alternator to fail prematurely.

The failure is caused due to a fault with the air conditioning control module. This fault creates a permanent 75 mA discharge/drain which causes the alternator to overwork resulting in premature failure of the alternator.

It is recommended that the AC control module is checked and replaced if necessary. Usually it is found that the box will be marked with a white dot if it has already been replaced.

**Vehicle: Land Rover Range Rover 2.7 2005 – 2009**

**Part numbers affected: AEK3028 & AEK3372**

There is a known fault with the vehicle that this alternator is fitted to which causes the battery to discharge resulting in the premature failure of the alternator.

The fault is caused due to the instrument panel not switching to sleep mode and creating a discharge due to a software fault.

It is recommended that the instrument panel is re-programmed with upgraded software and the battery is replaced before fitting the alternator. Failure to do so will result in excessive load being exerted to the alternator resulting in premature failure..