



AUTOELECTRO

Since 1986

STARTER MOTORS & ALTERNATORS

Technical Bulletin 19

WATER COOLED MERCEDES ALTERNATOR NOT CHARGING?

The Serpentine belts fitted to water cooled alternators on Mercedes applications can often stretch resulting in the alternator not charging when a replacement unit is fitted. A new belt is recommended when a unit is fitted as this ensures that this issue is avoided. Part numbers affected are *AEC1677*, *AEC1634*, and *AEK1952*

LDV MAXUS ALTERNATOR TENSION...

Alternator part numbers *AEK2949* and *AEG1065* are commonly affected by a faulty tensioner, please check the old unit for signs of excessive belt dust, or damaged bearings. Failure to renew the tensioner in these instances will cause premature failure of the replacement unit.

VW LOW CHARGE RATE?

It is worth checking the B+ wire from the Alternator main feed to the battery, as it goes through a fuseable link near the battery. This terminal assembly can become overheated causing high resistance resulting in a low charge rate. Part numbers affected are *AEA4273*, *AEA4274*, *AEA4275*, and *AEC1810*

USE THE WEBSITE FOR

Cross Reference – Updated regularly
On Line Catalogue – Latest Applications
Technical information – Bulletins for download
Rotating images of part numbers
Collection of old core

CHECK THE TERMINALS! (CHECK THE OE NUMBERS!)

Many alternators may look to have similar connections or terminals, but on newer applications the terminals must be checked and the correct unit fitted, due to newer vehicles charging systems running through the complex Engine Management Systems or ECU's. An example of this is the Vauxhall Astra 5 1.7CDTI, where *AEG1044* runs through the ECU, and *AEK2806* is a conventional unit, but both fitted to same year vehicles. This is now the case with BMW, Renault, and Volvo amongst others, where you can find COM (Computer Control) and DFM (Digital Field Monitor) terminals on similar looking units. These units DO NOT interchange. The only way to be 100% sure is TO CHECK THE OE NUMBERS.

HELP US TO HELP YOU AVOID WARRANTY PROBLEMS

Product information is enclosed with 'problem' part numbers. Please ensure that you advise your customer to take note of any enclosed warning notice as the replacement part *may* fail prematurely due to an underlying existing vehicle fault. We are putting a label on the box and a label on the unit to highlight any potential or common warranty problems that affects certain part numbers. Simply checking the old unit against the information supplied in the box will help establish why the original unit has failed and if any action should be taken to prevent further failures of fitted units. To help further we now indicate on our invoices where a technical bulletin has been issued against the part number invoiced. Remember just swapping the unit does not always make the vehicle fault go away.

RING TECHNICAL FOR FURTHER HELP

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