



Universal

Specialist in Rotating Electrics



TECHNICAL BULLETIN 002



They look the same, but they're different.

There are now a number of vehicles fitted with similar alternators throughout the range that, to the naked eye look identical, but have different pin configurations. If the incorrect unit is fitted it can lead to warning lights not going out or coming on unexpectedly, the unit not charging or showing fault codes via the ECU, or in extreme cases, damage to the ECU itself.

The only way to correctly identify the alternator is to cross reference numbers from the customers existing unit. With fitment on some vehicles now taking days rather than hours, isn't it better to spend some time getting a number from the original unit rather than the aftermath of fitting an incorrect one.

Mercedes Sprinter and Vito starter motors

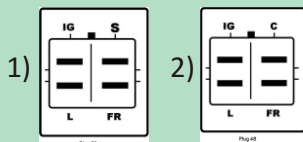
Please be aware there are two makes of starter that fit the above vehicles. Some suppliers only list one unit but in fact there are two manufacturers, either Bosch or Valeo. If the incorrect one is fitted you will potentially have problems such as noise coming from the ring gear and/or starter drive area. Before ordering it is important to find out what type of unit has come off the vehicle. This will potentially save a lot of time and stop those dreaded customer complaints

So remember to ask your customer if it's Bosch or Valeo!!!



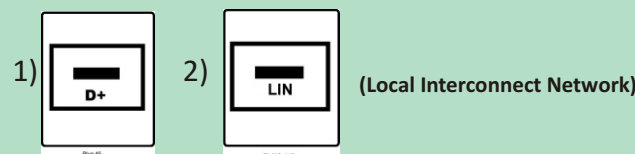
Part numbers concerned include:
Jag S type:

- 1) Non computer controlled UNA302 & UNA2536
- 2) Computer controlled UNA2541 & UNA2542



Volvo S60, V70, XC70 & XC90:

- 1) Non computer controlled UNA352, UNA416 & UNA2062
- 2) Computer controlled (LIN) UNA2353 & UNA2380



Clutch Pulley Failure?

We have found instances of clutch pulleys collapsing prematurely on the following part numbers; **UNA540/541/542, UNA859/860.** The failure is often due to incorrect tensioning. This can be caused by either 1) the tensioner not working properly and over-tensioning the auxiliary belt or 2) failure of the bottom pulley. The failure of the bottom pulley can also sound the same as a noisy bearing which is also another commonly reported fault. If, after fitment of a new unit there is still a noise, further investigation is required.

These Alternators are mainly fitted to Vauxhalls, either the 1.9 CDTI Diesel or 1.3 CDTI Diesel model.

DON'T FORGET OUR WEBSITE!

Where we have our product search facility to enable you to cross reference numbers from your old unit to get the corresponding Universal part number. We also show the picture of plug connectors for the alternators, and the solenoid connections for our starter motors.