



TIPS AND TRICKS:

Don't Damage Your Alternator

Application
All vehicles

Part numbers
All Valeo Alternators

What could happen

When an alternator displays a single diode malfunction, it can be concluded that either the diode is at fault, or the soldering of the diode has failed. Alternators which display more than one blown or malfunctioning diode, indicate a voltage spike or a short circuit has occurred.

How could it happen

This can be caused by welding repairs being carried out on the vehicle, due to the battery being left connected. Also jump starting the vehicle using a portable power pack will also result in voltage spikes at the alternator. Incorrect fitting of the alternator can also cause a blown diode bridge, as incorrect reconnection of the battery can result in voltage spikes.

How to keep it from happening

- If welding to the vehicle is being carried out, disconnect both battery terminals
- Always disconnect the earth cable from the battery not the positive cable when replacing the alternator, as reconnection of the positive cable to the battery will result in voltage spikes.
- Battery power packs and jump starting from a donor power source can also cause voltage spikes
- Ensure the battery is fully charged when the new alternator is fitted.



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