

ANJ207 & ANJ208 Applications - Chrysler, Dodge & Jeep

Please be aware that although these Alternators are fitted to later model vehicles they do not have a built in Voltage regulator. The voltage regulation is monitored and controlled by the Vehicles ECU and not the Alternator.

When checking for charging issues vehicles with this type of Alternator, the Vehicles Charging system must be thoroughly diagnosed to find the correct cause of failure as it may not be due to Alternator failure alone.

Please also be aware that if the Original Alternator has failed it may be due to the ECU sending incorrect information to it causing the Alternator to fail or not respond correctly.

Before replacing the Alternator the original cause of failure needs to be determined, as warranty for the New Alternator may be voided and the charging issue may not be corrected.
Alternators used for Testing the Vehicle will not be credited.

Alternator control is via field circuit to the rotor across F1 & F2 very similar to external Regulated Alternators. These Alternators will go to full output if this is supplied 12v.

Caution these are high output units and Diode or Battery damage may result as the Alternators output will be unregulated and voltage will climb very quickly if 12v is applied across F1 & F2.

Plug RP170



Battery voltage is monitored and controlled by the vehicles ECU and many parameters such as battery condition, electrical load, engine load, idle speed etc. will be taken into account to regulate alternator output and therefore minimise fuel usage.

JAS have had a number of reports of ECU Failure at the time the OE Alternator has failed. This may be due to the diodes failing in the original unit and the resultant voltage spikes in an imbalanced alternator affecting the ECU. JAS has had quite a few situations where after fitting our new unit the customer then calls to question why it is not operating only to find after further investigation the ECU has also failed.

Quoting the vehicle owner on a repair in this situation can be difficult and it will always be advisable to tell them that a total price cannot be known until the new alternator has been fitted and the total system has been tested and confirmed to be operating correctly.



ANJ207



ANJ208