

Hitachi / Mitsubishi Alternators

These types of Alternator do not have a traditional Regulators but instead have a field control Unit. Mitsubishi & Hitachi Alternators with P-D Regulators require special testing, the voltage control & warning lamp functions are in the vehicle PCM (Computer).

* P Terminal is Stator Phase & is a direct connection to stator AC Volts. This allows the PCM to Monitor Alternator Field.

* D Terminal is Driver connected to Vehicle PCM (Computer), and is used to control the output of the field control unit by varying base current on a transistor which in turn varies field current thereby controlling Alternator output and voltage.

These Alternators cannot be tested in the traditional manner without dedicated testing equipment. Connecting battery voltage to the "D" terminal will destroy the unit.

The information provided is to assist the technician and is not designed to take the place of the Vehicle Manufacturers Technical Advice or Instructions so please verify wherever possible from Manufacturers technical publications.

ALTERNATORS WITH P-D FUNCTIONS ARE:

Part No.

ANJ057

Part No.

ANJ057

ANJ512

ANJ513

ANJ520

ANJ558

ANJ569

ANJ568GQ

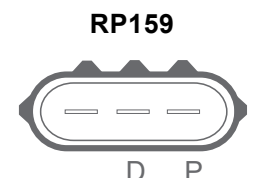
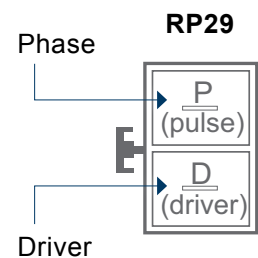
ANJ589

ANJ590

ANJ592

ANJ598

ANJ601





AAE Product Advice on ECU Controlled Alternators

Attention Fitter,

The European, Japanese, GM, Ford, Land Rover and some Korean vehicles equipped with ECU controlled Alternators with plug codes shown in examples below, are voltage and output controlled by the Vehicle ECU.

This means that the voltage can be variable dependent on battery and load conditions and can be in normal operation between 12.8 and 15.5 Volts.

This is not unusual and needs to be judged in line with manufactures specifications, battery condition, level of charge and vehicle load.

Plug RP51



Plug RP255



Plug RP39



Plug RP61



Plug RP54



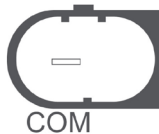
Plug RP28



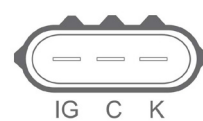
Plug RP36



Plug RP264



Plug RP66



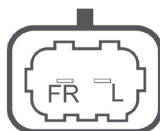
Plug RP159



Plug RP06



Plug RP120



Plug RP05



Plug RP29

