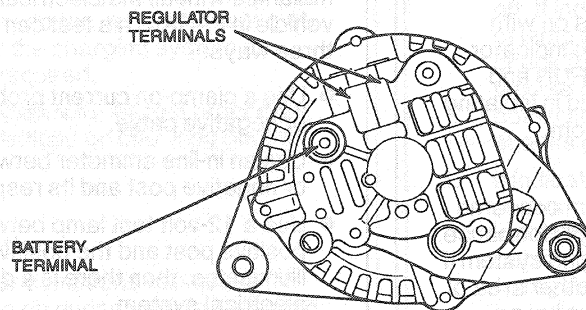
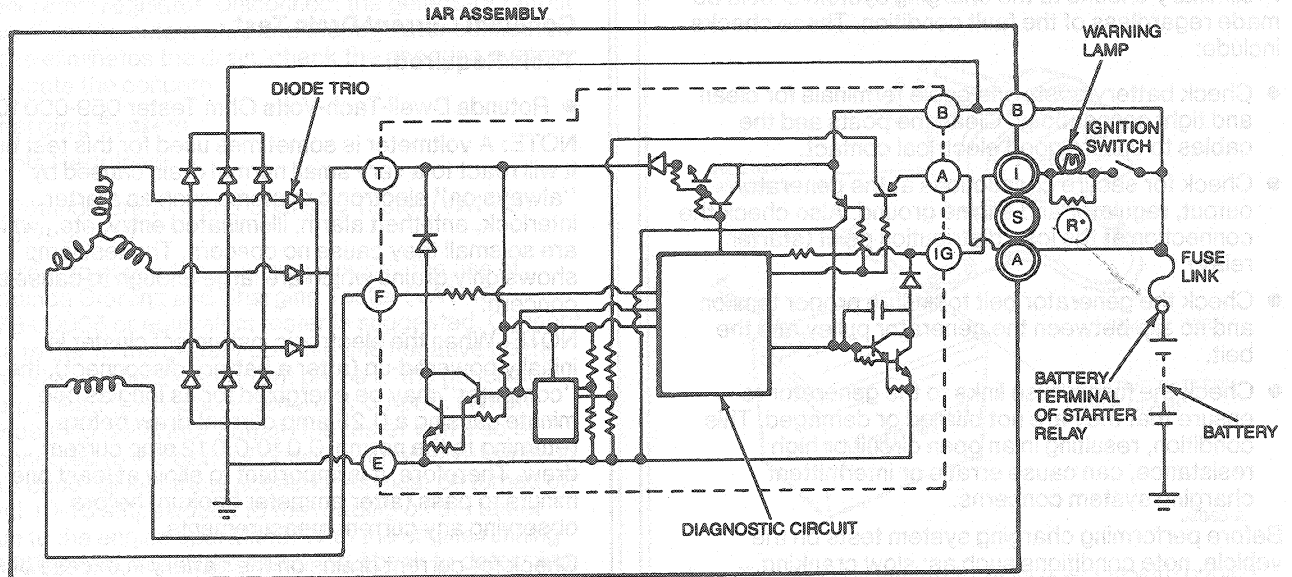


OPERATION (Continued)

'A' Circuit

The 'A' circuit, or battery sense circuit, is used to sense the battery voltage. This voltage is used by the regulator to determine the generator output. This circuit is connected back to the load distribution point and is a protected circuit.

*R IS 500 OHMS FOR WARNING LAMP SYSTEM WITH STANDARD INSTRUMENT CLUSTER. 420 OHMS FOR ELECTRONIC INSTRUMENT CLUSTER



J3366-A

DIAGNOSIS AND TESTING

Certain tests outlined in this Section are illustrated in schematic and in pictorial form. A schematic drawing of the charging system is shown under Operation.

NOTE: The tests are divided into On-Vehicle and On-Bench test procedures. The On-Bench procedures follow the On-Vehicle tests in this Section.

On-Vehicle Tests

Tools Required:

- Rotunda Digital Volt-Ohmmeter 007-00001

A volt ohmmeter (0- to 20-volt scale), such as Rotunda Digital Volt-Ohmmeter 007-00001 or equivalent, jumper wire and a test lamp (12-volt) are the only tools required to perform on-vehicle tests of the complete charging system. Test meter calibration should be checked once a year and the date of calibration stamped on the meter face. It is recommended that this practice be followed by all technicians to maintain test meters at acceptable accuracy.