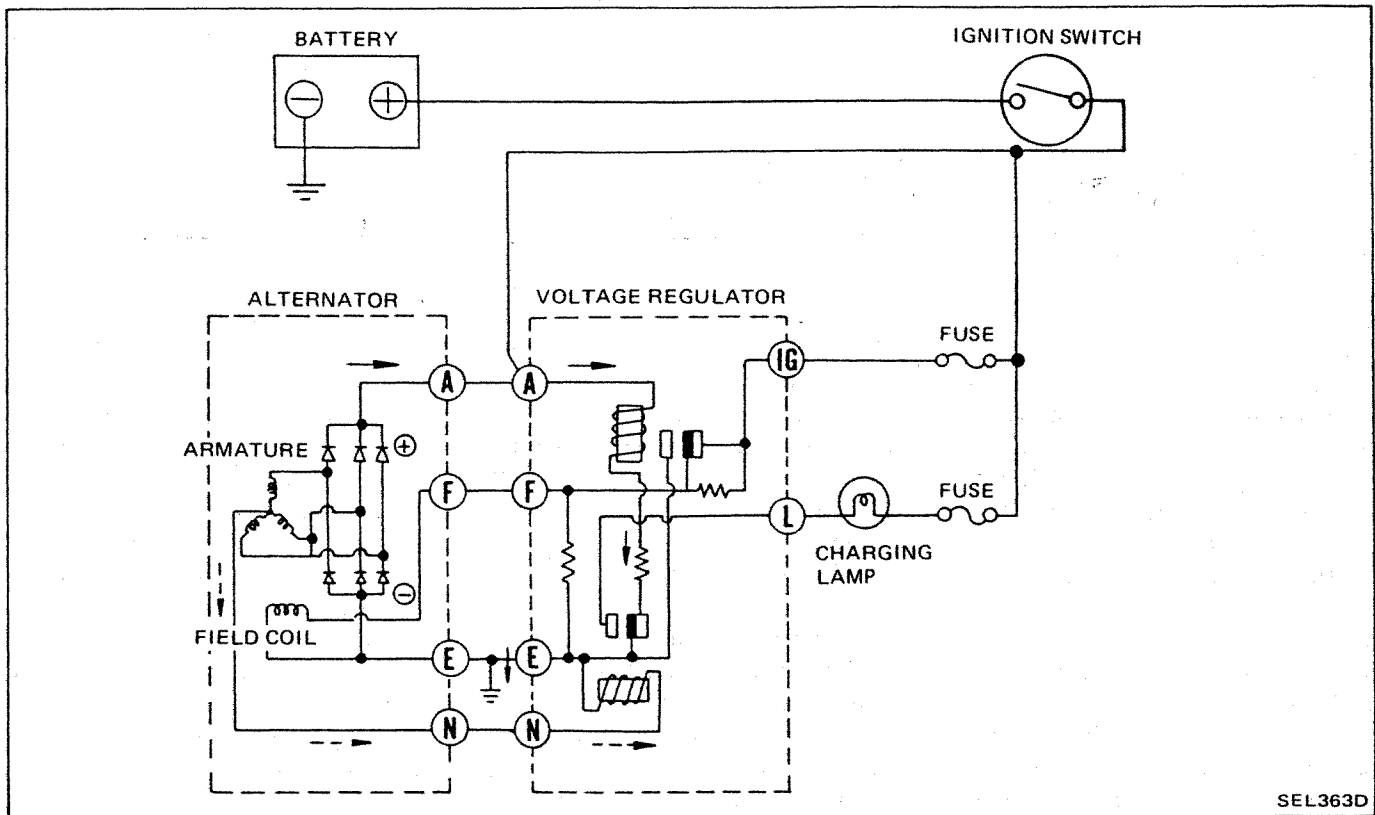


CHARGING SYSTEM

SCHEMATIC



SEL363D

CHARGING SYSTEM TROUBLE-SHOOTING

Before conducting an alternator test, make sure battery is fully charged.

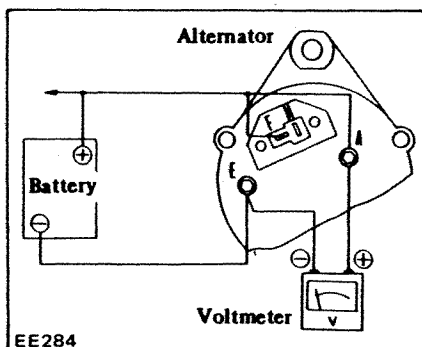
To conduct test, it is necessary to use a 30-volt voltmeter and suitable test probes.

Set up a test circuit as shown in Figure and test alternator in manner indicated in flow chart below:

1. Disconnect connectors at alternator.
2. Connect "A" terminal to "F" terminal.
3. Connect one test probe from voltmeter positive terminal to "A" terminal. Connect the other test probe to ground. Make sure that voltmeter registers battery voltage.
4. Turn on headlights and switch to High Beam.
5. Start engine.
6. Increase engine speed gradually until it is approximately 1,100 rpm, and take the voltmeter reading.

Measured value: Below 12.5 volts
Alternator is run-down. Remove and check it for condition.

Measured value: Over 12.5 volts
Alternator is in good condition.



EE284

- a. Do not run engine at more than 1,100 rpm while test is being conducted on alternator.
- b. Do not race engine.