

## CHARGING SYSTEM

### CHARGING OUTPUT:

Warm up the engine to normal operating temperature.  
Stop the engine, and connect the multimeter as shown.

### CAUTION:

- *To prevent short, make absolutely certain which are the positive and negative terminals or cable.*
- *Do not disconnect the battery or any cable in the charging system without first switching off the ignition switch. Failure to follow this precaution can damage the tester or electrical components.*

With the headlight on Hi beam, restart the engine.  
Measure the voltage on the multimeter when the engine runs at  $5,000 \text{ min}^{-1}$  (rpm).

### Standard:

**Measured battery voltage (page 17-4) < Measured charging voltage (See above) < 15.5 V at  $5,000 \text{ rpm}^{-1}$**

The battery is normal if voltage reads the regulated voltage on the multimeter.

### NOTE:

The speed at which voltage starts to rise cannot be checked as it varies with the temperature and loads of the generator.



### LIGHTING OUTPUT:

### NOTE:

Measure the voltage with the headlight wire connectors connected.

Connect the voltmeter positive (+) probe to the headlight 6P connector Blue terminal, and negative (-) probe to the Green wire terminal.

Start the engine and light switch is "H" position and the dimmer switch is "Hi" position, and read the voltage.

**REGULATED VOLTAGE: 12.1 – 13.1 V at  $5,000 \text{ min}^{-1}$  (rpm)**

