

CHARGING VOLTAGE INSPECTION

Be sure the battery is in good condition before performing this test.

Warm up the engine to normal operating temperature.

Connect the multimeter between the battery positive (+) and negative (-) terminals.

NOTICE

- To prevent a short, make absolutely certain which are the positive (+) and negative (-) terminals or cables.
- 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.

Connect the tachometer.

With the headlight on Hi beam, measure the voltage on the multimeter when the engine runs at 5,000 rpm.

STANDARD: Measured BV < Measured CV < 15.5 V

BV = Battery voltage (page 16-6)

CV = Charging voltage



REGULATOR/RECTIFIER

WIRE HARNESS INSPECTION

Disconnect the regulator/rectifier 2P (Natural) and alternator 3P (Natural) connectors.

Check the connector for loose contacts or corroded terminals.

BATTERY LINE

Measure the voltage between the Red wire terminal and ground.

There should be battery voltage at all times.

GROUND LINE

Check the continuity between the Green/black wire terminal and ground.

There should be continuity at all times.

CHARGING COIL LINE

Measure the resistance between the Yellow wire terminals.

STANDARD: 0.2 – 0.6 Ω (at 20°C/68°F)

Check for continuity between each Yellow wire terminal and ground.

There should be no continuity.

