

CHARGING SYSTEM

Charge battery to a minimum of 12.8 volts. Load test the battery and replace if necessary. Check battery cables and all connections. Check for current drain or draw with power OFF. Less than 1.4 mA carbureted, and 2.4 mA EFI.

TEST A
Start engine. Measure voltage across the battery terminals.
Is voltage below 13.8 volts or above 14.8 volts?

Above 14.8

Replace voltage regulator. Retest.
06018
Ref. Test A

Below 13.8

Stop engine. test circuit breaker. Measure voltage at both CB terminals.
Is there a voltage difference?

No

Yes

Push the reset button on breaker. Replace CB if it cannot be reset.
06052
Ref. Test A

Check for voltage regulator ground. Measure resistance from VR case to battery ground, and also to engine ground.
Is resistance more than 0.5 Ohms?

No

Yes

Remove stator plug, start engine and measure AC voltage across pins.
Is stator output 16 to 20 volts per 1000 RPMs?

Yes

No

Replace voltage regulator. Retest.
06018
Ref. Test A

Remove VR. Clean and inspect all contact points. Reinstall and retest.
06018
Ref. Test A

With engine OFF measure resistance across stator pins.
Is resistance more than 0.5 Ohms?

Yes

No

Replace stator/rotor. Retest.
06017
Ref. Test A

With engine OFF, measure resistance from stator pin to engine ground.
Is continuity present?

No

Reconnect the two-pin stator plug and retest stator/rotor. If low voltage condition still exists, replace stator/rotor. Retest.
06017
Ref. Test A

