

250 & 350 Scrambler Electronic Regulator
fitted on 250 Scramblers from #105000
fitted on 350 Scramblers from #05106

This new 70 Watt system is efficiently controlled by a dual diode electronic regulator to maintain a charge rate governed by battery voltage resulting in brighter lights, faster recharge rate and longer battery life.

Test Procedure

- A. Connect a DC voltmeter between positive (+) battery terminal and ground. Voltage must not be less than 4V otherwise regulator will not energize. Meter must measure to 10 volts. If less than 4 volts, replace with good battery so tests can be completed.
- B. Connect a DC ammeter between positive (+) battery terminal and the red wires normally connected to this terminal. Ammeter capable of measuring + -15 amps should be used.
- C. Start engine and rev to 6000 R.P.M. turn on lights. If the battery voltage indicated in test A is less than 7V, the charging rate should be approximately 5 amps.
- D. Turn off lights but let the engine continue to rev at 6000 R.P.M. The battery voltage should progressively increase while the charge rate decreases. When the battery is fully charged, a reading of 7.5 volts and 1 amp should be indicated.
- E. If when checking "C" no charge rate is noted or is less than 5 amps, the regulator or stator may be defective and must be checked separately.