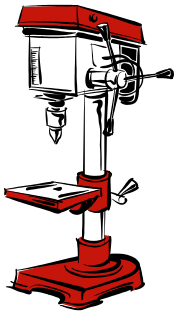
Workshop Wisdom



Alton AC Generator Testing Procedure

By Paul Hamon, France

Static Tests (engine off):

1. Test continuity between the 2 wires from Alton AC generator (alternator). There should be CONTINUITY between those wires.
2. Test continuity between one (or the other) wire from the AC generator and the Alton body. There should be NO continuity.

Dynamic Tests (engine running):

3. Disconnect the AC generator from regulator. Start engine. Check AC voltage between the 2 wires of AC generator. This voltage should reach 20-22 volts AC as soon as you rev up engine (let's say at a high idling rpm).
4. Disconnect the AC generator from regulator. Start engine. Test at a fast idling rpm for voltage between one (or other) wire from the AC generator and the Alton Body. There should be NO voltage.
5. Connect the regulator to the AC generator and battery with everything as it should be. Start engine. Check DC voltage between the 2 terminals of battery. This voltage should reach 13 volts DC as soon as you rev up engine (let's say at a high idling rpm).

[editors comment: Failure of any of the tests 1 thru 4 suggests a faulty Alton AC generator, Failure of test 5 suggests a faulty voltage regulator.]