



Tech Tips

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All Models - Battery discharged, Low voltage faults, Instrument cluster display shows low voltage.

During a Battery/Charging system check, the MCR-340 may indicate the system has a low charging voltage problem.

Before replacing any parts, it is important a complete voltage drop test of the battery cables and fasteners be performed. A poorly connected or loose positive/negative cable connection or chassis attachment can cause the generator to not charge properly. The engine/transmission assembly **MUST** be properly grounded through the chassis for the generator to function properly.

1) Test Requirements:

- Make sure the battery is fully charged
- Voltage drop should be no more than 0.2 volts per connection
- Voltage drop should be performed with engine running and electrical system loaded (Lights, wipers, blower, etc. .)
- Use a Fluke 87 or equivalent voltmeter

2) To measure a "positive cable" voltage drop:

Connect voltmeter between B+ Positive post and Generator B+ output post.

3) To measure a "negative cable" voltage drop:

Connect voltmeter between Negative battery post and alligator clamp on generator case.

4) Inspect all cable connections including:

- Positive connection at generator B+ post to fuse block connections, fuse block connection to B+ battery post
- Ground circuit - Engine/Trans assembly to Chassis and Chassis to negative battery post