

STARTER INSPECTION [SKYACTIV-D 2.2]

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On-vehicle Inspection

1. Verify that the battery is fully charged.
2. The starter is normal if it rotates smoothly and without any noise when the engine is cranked.
 - If the starter does not operate, inspect the following:
 - Remove the starter, and inspect the starter unit.
 - Inspect the related wiring harnesses, the ignition switch, and the transaxle range switch (ATX) or starter interlock switch (MTX).

No-load Test

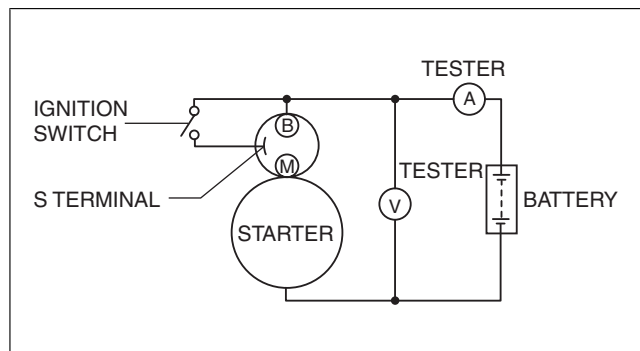
1. Verify that the battery is fully charged.
2. Connect the starter, battery, and a tester as shown in the figure.
3. Operate the starter and verify that it rotates smoothly.
 - If the starter does not rotate smoothly, inspect the starter unit.
4. Measure the voltage and current while the starter is operating.
 - If not within specification, replace the starter.

Starter no-load test voltage

11 V

Starter no-load test current

90 A or less



am6xuw00002343