

ELECTRIC STARTER

6. Starter Motor Inspection

Connect the starter motor terminal to the battery positive (+) terminal directly. (A large amount of current flows, so do not use a thin wire.)

Does the starter motor turn?

YES – Faulty starter relay switch.

NO – Faulty starter motor.

7. Relay Coil Ground Line Inspection

Check the ground line of the starter relay switch (page 5-7).

Is the ground line normal?

YES – GO TO STEP 8.

NO –

- Faulty neutral diode (page 5-8).
- Faulty neutral switch (page 18-9).
- Faulty clutch switch (page 18-9).
- Loose or poor contact of the related connector terminal.
- Open circuit in the wire harness.

8. Relay Coil Power Input Line Inspection

Check the power input line of the starter relay switch (page 5-7).

Is the power input line normal?

YES – GO TO STEP 9.

NO –

- Faulty ignition switch (page 18-7).
- Faulty starter switch (page 18-7).
- Loose or poor contact of the related connector terminal.
- Open circuit in the wire harness.

9. Starter Relay Switch Inspection

Check the function of the starter relay switch (page 5-8).

Does the starter relay switch function properly?

NO – Faulty starter relay switch.

YES – Loose or poor contact of the starter relay switch connector.

Starter motor turns, but the engine turns slowly

- Low battery voltage
- Poorly connected battery cable
- Poorly connected starter motor cable
- Faulty starter motor
- Poorly connected ground cable terminal

Starter motor turns, but engine does not turn

- Faulty starter clutch
- Damaged or faulty starter gear train

Starter relay switch clicks, but engine does not turn

- Crankshaft does not turn due to engine problems