

7. Starter Relay Switch Continuity Inspection

Disconnect the starter relay switch 4P connector and cables.

Connect a fully charged 12 V battery positive wire to the relay switch Yellow/red wire terminal and negative wire to the Green/red wire terminal.

Check the continuity between the starter relay switch large terminals while the battery connected.

Is there continuity?

NO – Faulty starter relay switch

YES – Loose or poor contact of the starter relay switch 4P connector

The starter motor turns when the transmission is in neutral, but does not turn with the transmission in any position except neutral, with the side stand up and the clutch lever pulled in.

1. Clutch Switch Inspection

Check the clutch switch operation.

Is the clutch switch operation normal?

NO – Faulty clutch switch

YES – GO TO STEP 2.

2. Side Stand Switch Inspection

Check the side stand switch operation.

Is the side stand switch operation normal?

NO – Faulty side stand switch (page 20-22)

YES – • Open circuit in wire harness
• Loose or poor contact connector

Starter motor turns engine slowly

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

Starter motor turns, but engine does not turn

- Starter motor is running backwards
 - Starter motor assembled improperly
 - Terminals connected improperly
- Faulty starter clutch
- Damaged or faulty starter driven gear, idle gear and/or reduction gear

Starter relay switch "Clicks", but engine does not turn over

- Crankshaft does not turn due to engine problems