

TROUBLESHOOTING

Starter motor does not turn

1. Standard inspection

Check the following:

- Battery condition
- Burned fuse
- Brake light operation

Are the above items in good condition?

YES - Replace or repair the malfunction part(s).

NO - GO TO STEP 2.

2. Starter relay operation

Turn the ignition switch ON.

Squeeze the brake lever fully and push the starter switch.

You should hear the relay "CLICK" when the starter switch is depressed.

Is the "CLICK" heard?

YES - GO TO STEP 3.

NO - GO TO STEP 5.

3. Starter motor inspection

Turn the ignition switch OFF.

Apply battery voltage to the starter motor directly and check the operation. (A large amount of current flows, so do not use a thin wire.)

Does the starter motor turn?

YES - GO TO STEP 4.

NO - Inspect the starter motor (page 20-7).

4. Starter relay continuity inspection

Check the starter relay for continuity (page 20-12).

Is there continuity?

- YES** -
- Loose or poorly connected starter motor cable.
 - Loose or poorly connected starter relay connector terminal.
 - Open circuit in starter motor ground cable.
 - Open circuit in Red wire between the battery and starter relay.
 - Open circuit in Red/white wire between the starter relay and starter motor.

NO - Faulty starter relay.

5. Engine control module (ECM) system circuit inspection

Turn the ignition switch ON and check the PGM-FI malfunction indicator lamp (MIL).

Does the indicator stay off?

YES - Inspect the ECM power/ground line (page 6-19).

NO - GO TO STEP 6.

6. Starter relay coil line inspection

Turn the ignition switch OFF.

Disconnect the ECM 33P connector.

Turn the ignition switch ON and measure the battery voltage between the ECM 33P connector and ground.

CONNECTION: Yellow/Green (+) - Ground (-)

Does the battery voltage exist?

YES - GO TO STEP 7.

- NO** -
- Loose or poorly connected connector.
 - Open circuit in Black wire and/or Red/Black wire between the starter relay and ignition switch.
 - Open circuit in Red/White and/or Red wire between the ignition switch and battery.
 - Open circuit in Yellow/Green wire between the starter relay and ECM.