



# ELECTRICAL STARTER TROUBLESHOOTING

## STARTER MOTOR DOES NOT TURN

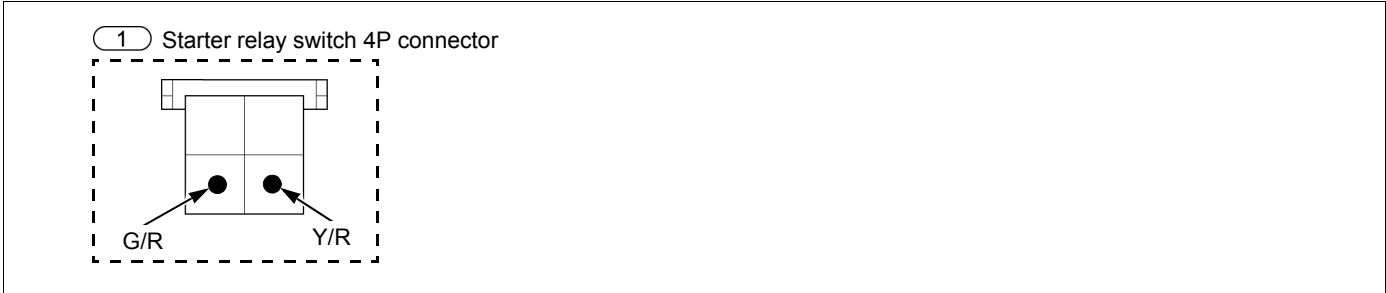


- Fuel tank shroud →3-6



- Loose or poor contacts of related terminal/connector
- Battery condition
- Burned fuse

### Connector Diagram



### 1. Starter Relay Coil Input Circuit inspection

- Connection: Y/R (+) – Ground (–)  
(Connector connected)
- Push and hold the starter button.
- Does the battery voltage exist?

No  
▶

- Inspect the following.
  - Ignition switch
  - Starter switch
  - Engine stop switch
  - Starter relay coil input related circuit

Yes ▼

### 2. Starter Relay Coil Ground Circuit inspection

- Connection: G/R – Ground
- Squeeze the clutch lever or shift the transmission in neutral position.
- Is there continuity?

No  
▶

- Inspect the following.
  - Diode
  - Clutch switch
  - Neutral switch
  - Starter relay coil ground related circuit

Yes ▼

### 3. Starter Relay inspection

- Replace the starter relay with a new one, and recheck.
- Does the starter motor turn?

Yes  
▶

- Faulty original starter relay

No ▼

- Check a short or open circuit in starter motor cable.
- If there is no faulty circuit, replace the starter motor with a new one, and recheck.