

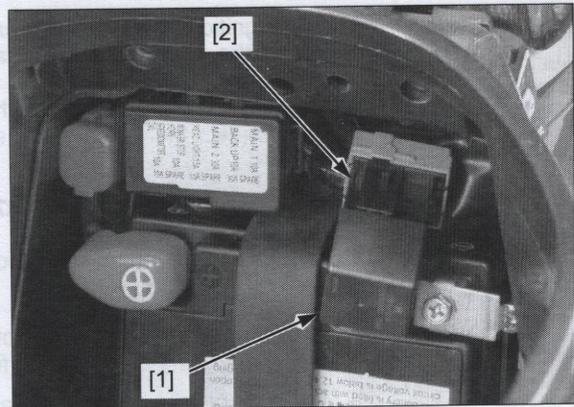
# STARTER/CHARGING RELAY

## REMOVAL/INSTALLATION

Remove the battery maintenance lid (page 20-6).

Pull the starter/charging relay [1] and disconnect it from the 5P (Black) connector [2].

Installation is in the reverse order of removal.



## OPERATION INSPECTION

Remove the battery maintenance lid (page 20-6).

Turn the ignition switch ON and engine stop switch "O". Retract the sidestand.

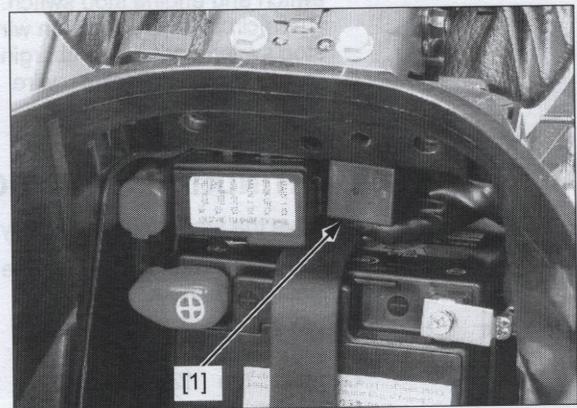
Squeeze the brake lever and push the starter switch. The system is normal if the starter/charging relay [1] clicks.

If you hear the relay "CLICK", but starter does not turn, inspect the following:

- Relay switch line (page 6-7)
- Stator (page 6-9)
- CKP sensor line (page 6-9)
- ECM power/ground line (page 4-28)

If you don't hear the relay "CLICK", inspect the following:

- Starter switch line (page 6-10)
- Starter/charging relay switch continuity (page 6-8)
- Relay coil line (page 6-8)
- Sidestand switch line (page 6-11)



## RELAY SWITCH LINE INSPECTION

Disconnect the ECM 5P connector (page 4-28).

Turn the ignition switch ON and engine stop switch "O". Squeeze the rear brake lever and push the starter switch.

Measure the voltage between the ECM 5P connector [1] of the wire harness side and ground.

**CONNECTION: Red/yellow (+) – ground (-)**  
**STANDARD: Battery voltage**

If there is battery voltage, relay switch line is normal.  
 If there is no voltage, inspect the following:

- Loose or poor contacts of related terminal.
- Open circuit in Red wire between the battery and starter/charging relay.
- Open circuit in Red/yellow wire between the starter/charging relay and ECM.

