

## SERVICE INFORMATION

### GENERAL

#### NOTICE

If current is kept flowing through the starter motor to turn it while the engine is not cranking over, the starter motor may be damaged.

- Always turn the ignition switch OFF before servicing the starter motor. The motor could suddenly start, causing serious injury.
- The starter motor can be serviced with the engine in the frame.
- When checking the starter system, always follow the steps in the troubleshooting flow chart (page 19-4).
- A weak battery may be unable to turn the starter motor quickly enough, or supply adequate ignition current.
- Refer to the starter clutch servicing (page 10-17).
- Refer to the following components informations.
  - Ignition switch (page 20-19)
  - Engine stop switch (page 20-20)
  - Starter switch (page 20-20)
  - Neutral switch (page 20-22)
  - Side stand switch (page 20-22)
  - Clutch switch (page 20-21)

### SPECIFICATIONS

Unit: mm (in)

ITEM	STANDARD	SERVICE LIMIT
Starter motor brush length	12.0 – 13.0 (0.47 – 0.51)	6.5 (0.26)

### TORQUE VALUES

Starter motor terminal nut                      12 N·m (1.2 kgf·m, 9 lbf·ft)