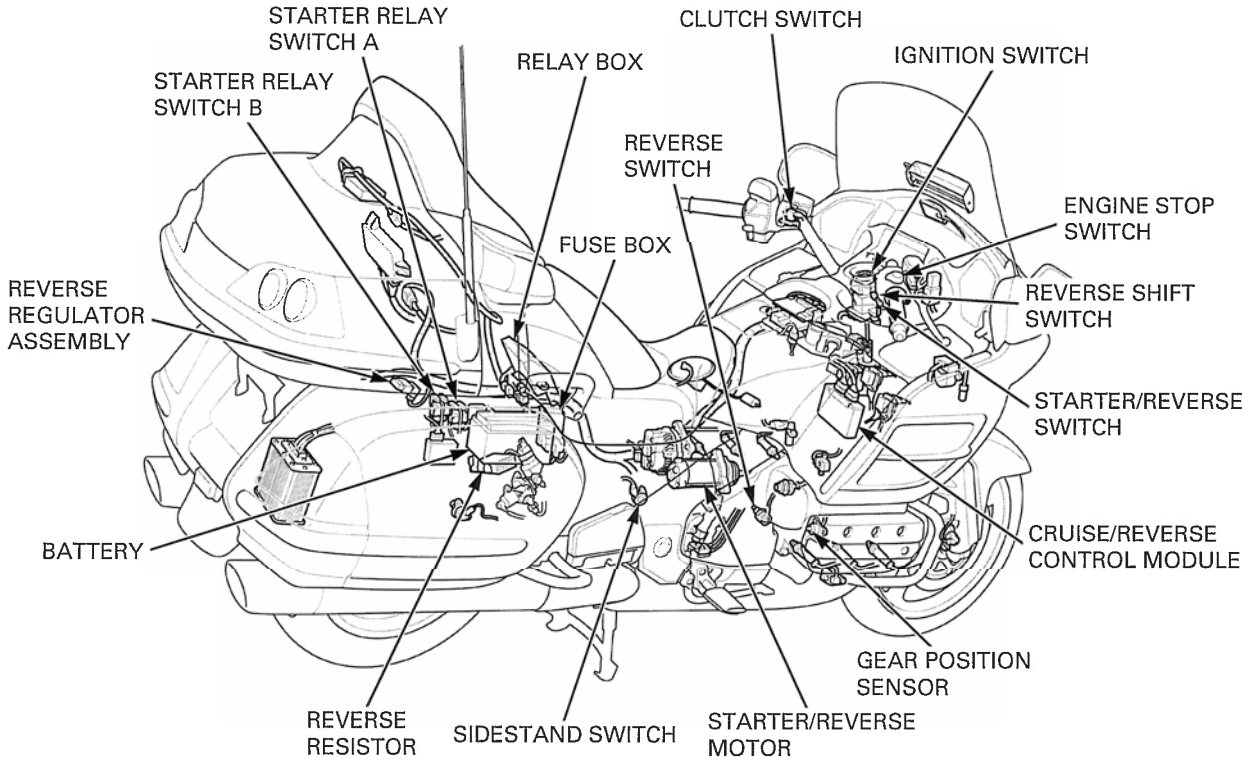


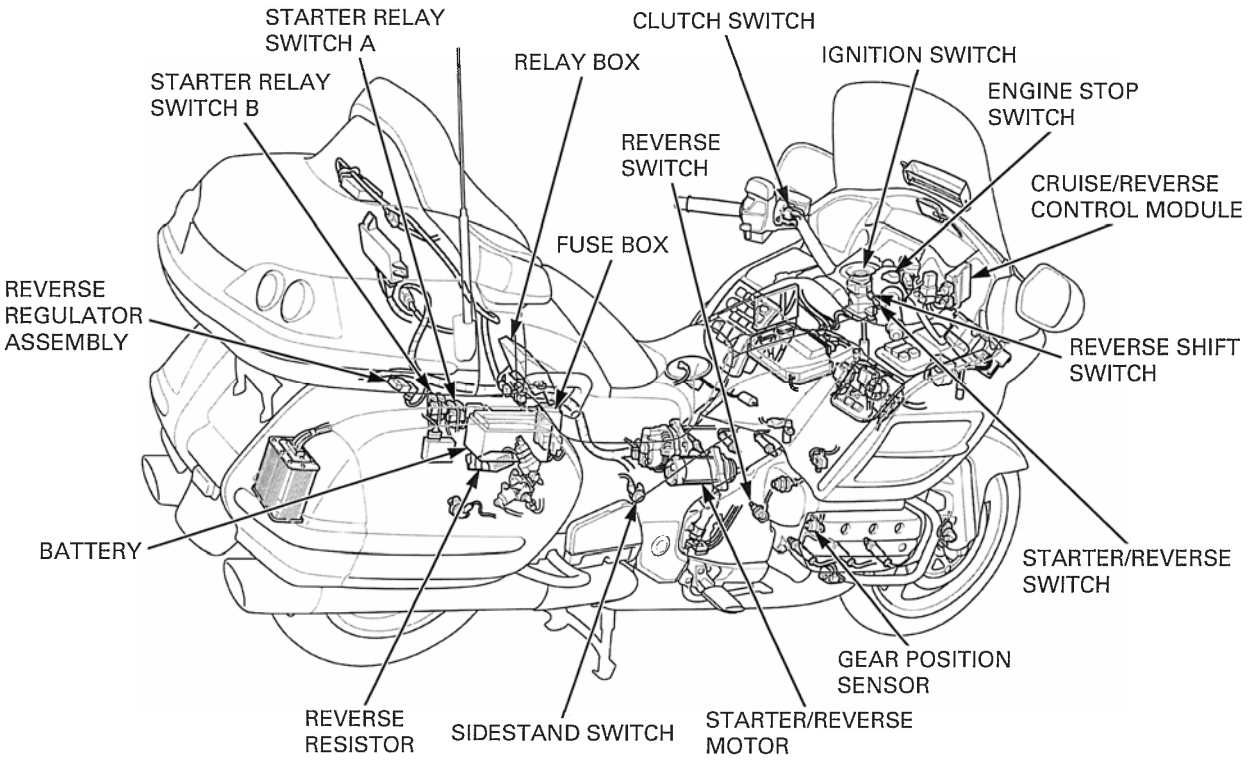
STARTER/REVERSE SYSTEM

COMPONENT LOCATION

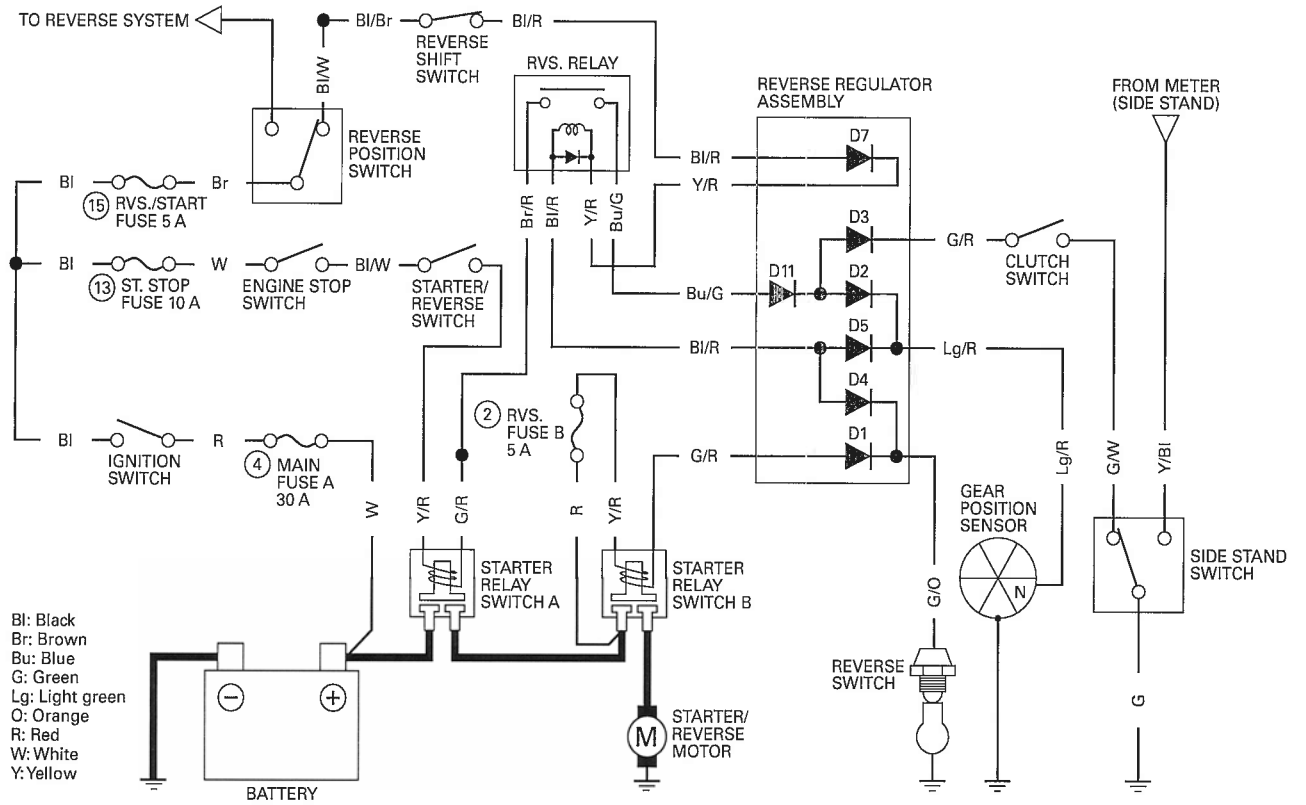
Except VIIIA and IIICM



VIIIA and IIICM

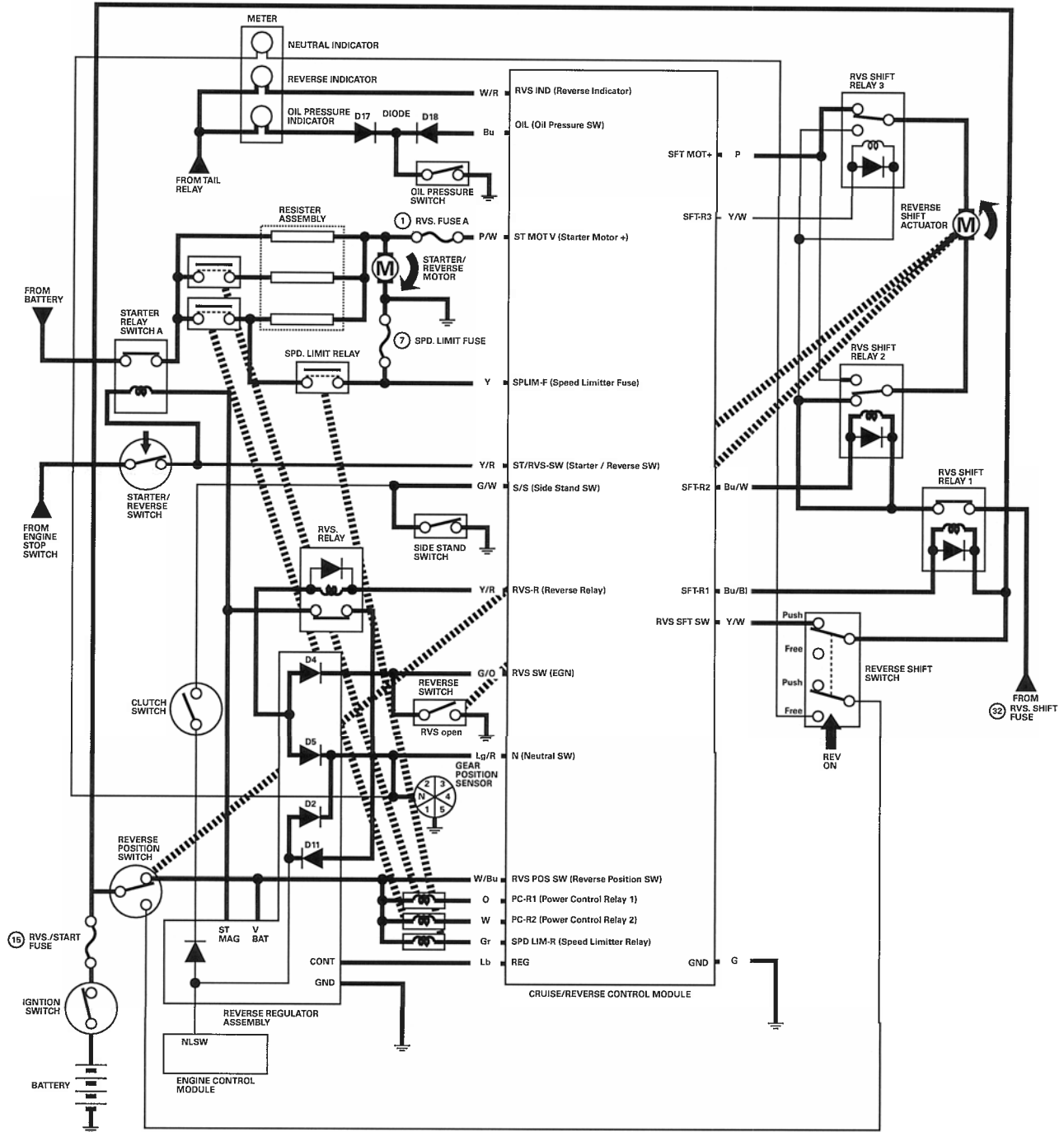


STARTER SYSTEM DIAGRAM



STARTER/REVERSE SYSTEM

REVERSE SYSTEM DIAGRAM



SERVICE INFORMATION

GENERAL

NOTICE

- If the current is kept flowing through the starter/reverse motor to turn it while the engine is not cranking over, the starter/reverse motor may be damaged.
- Always turn the ignition switch to OFF before servicing the starter/reverse motor. The motor could suddenly start, causing serious injury.
- The starter/reverse motor can be serviced with the engine in the frame.
- When checking the starter/reverse system, always follow the steps in the troubleshooting flow chart (page 20-7).
- A weak battery may be unable to turn the starter/reverse motor quickly enough, or supply adequate ignition current.
- When the speed limiter is activated during reverse running, followed by the electrical motor brake, the motorcycle stops running in reverse and the reverse indicator goes out. To use reverse again, it is necessary to push the reverse shift switch to OFF then push it to ON.
- For starter clutch servicing, see Gearshift Linkage/Transmission section (page 11-15).
- For following components information, see Lights/Meters/Switches section.
 - ignition switch (page 21-53)
 - starter/reverse switch, engine stop switch and reverse shift switch (page 21-55)
 - clutch switch (page 21-60)
 - gear position sensor (page 21-60)
 - sidestand switch servicing (page 21-62)

AIRBAG SYSTEM

- The VIII A and III CM models are equipped with the Airbag system. Items or titles marked with an asterisk (*) include or are related to Airbag components. Always refer to "PRECAUTIONS AND PROCEDURES" (page 25-4) in the AIRBAG SYSTEM section.
- To minimize the possibility of rendering the Airbag system inoperative, which could lead to personal injury or death in the event of a collision, all Airbag system service work must be performed by an authorized Honda dealer.

SPECIFICATIONS

| ITEM | | STANDARD | SERVICE LIMIT |
|---|------------------------|-------------------|------------------|
| Starter/reverse motor brush length | | 12.5 mm (0.49 in) | 6.0 mm (0.24 in) |
| Reverse resistor resistance (20°C/68°F) | Red and black terminal | 0.20 – 0.25 Ω | – |
| | White terminal | 0.15 – 0.20 Ω | – |

TORQUE VALUES

| | | |
|-------------------------------------|----------------------------------|-------------------------------------|
| Starter/reverse motor mounting bolt | 29 N·m (3.0 kgf·m, 21 lbf·ft) | |
| Reverse switch | 12 N·m (1.2 kgf·m, 9 lbf·ft) | |
| Reverse switch terminal nut | 1.7 N·m (0.17 kgf·m, 1.3 lbf·ft) | |
| Shift drum lock arm bolt | 12 N·m (1.2 kgf·m, 9 lbf·ft) | Apply locking agent to the threads. |
| Reverse shifter shaft bolt | 14 N·m (1.4 kgf·m, 10 lbf·ft) | Apply locking agent to the threads. |
| Reverse shifter cable holder bolt | 12 N·m (1.2 kgf·m, 9 lbf·ft) | Apply locking agent to the threads. |