

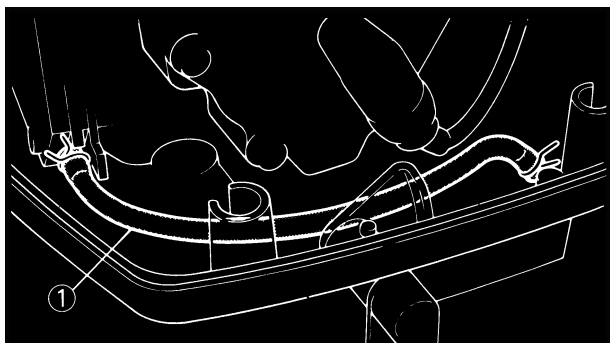
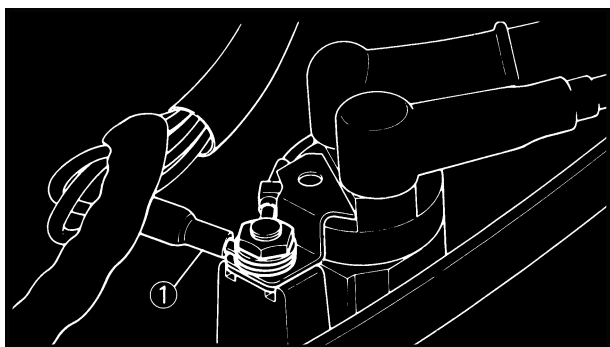
G30000-0

PREPARATION FOR OVERHAUL

1. Clean all dirt, mud, dust and foreign material from the engine before the engine is removed and disassembled.
2. To ensure that you can perform the work cleanly and efficiently, check that you have the proper tools and cleaning equipment before commencing engine removal and disassembly.
3. During engine disassembly, as parts are disassembled, clean them and place them in trays in their order of disassembly. This will speed up assembly and help ensure that all parts are correctly reinstalled.

NOTE:

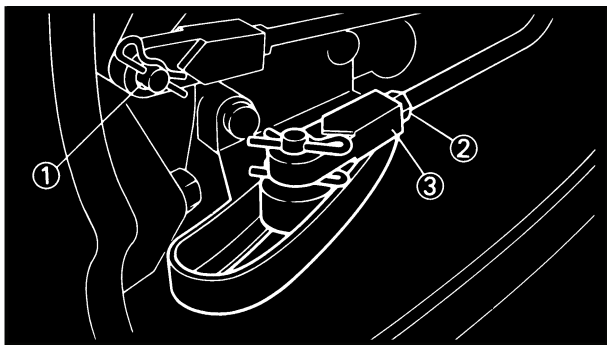
When disassembling the engine, keep mated parts together, e.g., cylinder and piston and other parts that have been 'mated' through normal wear. Mated sets should be re-used on reassembly or replaced completely.



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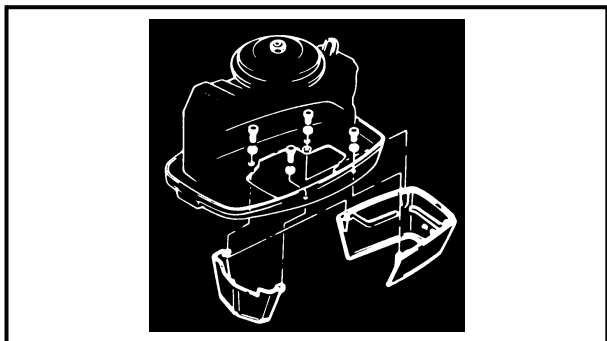
REMOVAL

1. Remove the electrical system parts.
Refer to "ELECTRICAL COMPONENTS" section in chapter 8.
 - ① Ground lead from the cylinder head cover
 - Battery cable
 - Power trim and tilt motor leads (PTT model)
 - Power trim and tilt relay (PTT model)
 - Oil level sensor lead (oil injection model)
2. Remove the fuel system parts and hose.
Refer to "FUEL SYSTEM" section in chapter 4.
 - ① Cooling water pilot hose
 - Fuel hose on the strainer

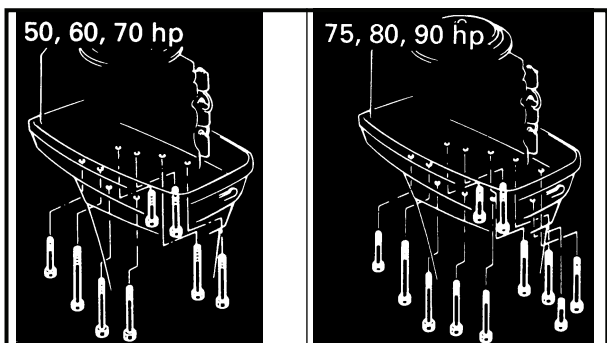


3. Remove the throttle cable and the shift mechanism.

- ① Throttle cable joint by removing the hair pin
- ② Shift rod bracket bolt
- ③ Shift cable joint and bushing by removing the hair pin



4. Remove the front and rear aprons.

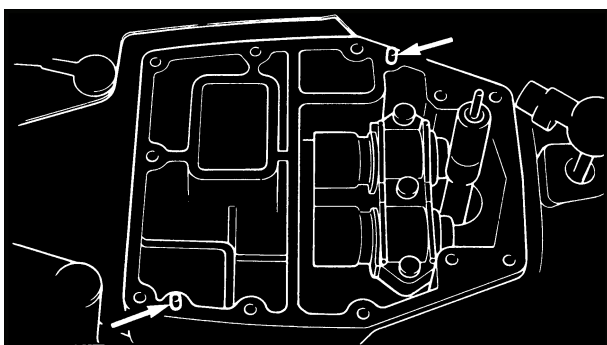


5. Remove the power head installation bolts, and then remove the power head from the upper casing.

- 50, 60, 70 hp8 bolts
- 75, 80, 90 hp11 bolts

NOTE:

The power head may be difficult to separate from the bottom cowling because of a stuck gasket holding them together. If this is the case, lever it off the bottom cowling with a piece of wood. Use care not to damage the bottom cowling or power head with the wood.



6. Remove the dowel pins from the bottom cowling or power head. To protect the dowel pins against damage, cover them with rags.