6. Engine Removal

Service Information

General Safety

NOTE

> Use a jack to remove or install the engine. Support the motorcycle with a jack firmly, taking precautions not to damage the frame, engine, cable or harness.
> Attach tape to the frame to protect it during the engine removal or installation.

The following works can be carried out without removing the engine from the vehicle body.
- Transmission (Section 11)
- A.C. generator (Section 8)
- Kick starter, continuously variable transmission(Section 7)
- Cylinder head, cylinder, and piston (Section 9 and 10)
- Carburetor (Section 5)
- Oil pump (Section 2)

Items to be worked after removing engine
- Crankshaft, crankshaft bearing, crank case bearing

Engine oil capacity: 1.0   -when disassembled

Torque values:

Engine hanger bolt (Front): 2.7kg-m(27N.m, 20ft-1b)
(Rear) : 3.5kg-m(35N.m, 25ft-1b)

Engine Removal

Drain the engine oil.

Remove the following parts.

- Luggage box (☞ 4-5)
- Body cover (☞ 4-6)
- Air cleaner (☞ 5-4)
- Carburetor (☞ 5-6)

Disconnect the A.C. generator connector and starter motor cable cord.

Disconnect the high-tension cord from the engine.

Remove the negative pressure tube from the caburetor insulator.

Remove the EX. muffler. (☞ 4-9)

Remove the rear brake caliper.

Remove the L.floor side cover.(☞ 4-5)

remove the radiator hose.

A.C.G connector

Rear caliper   Muffler
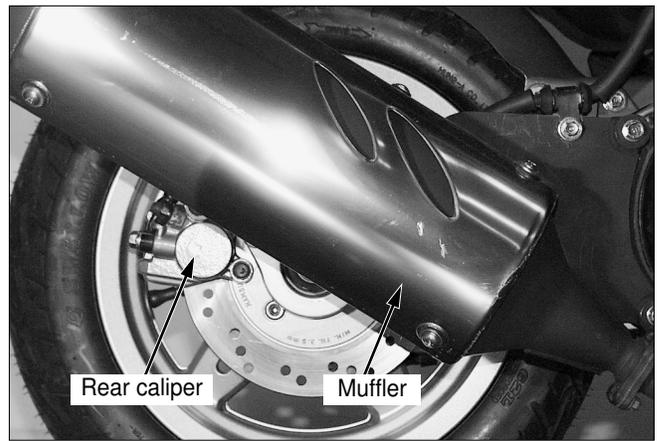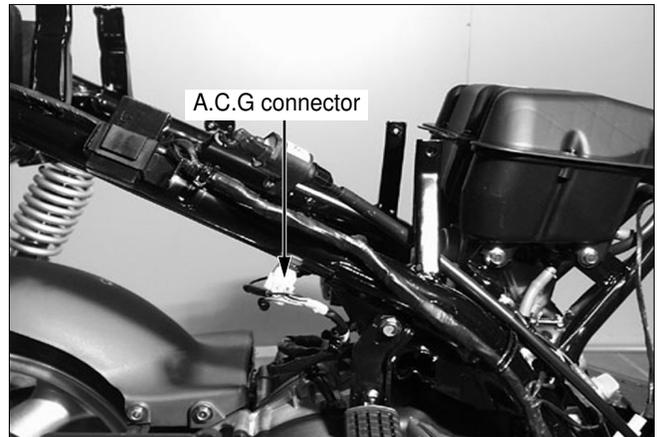
Loosen the 3 rear mud-guard setting bolts.

Loosen the engine hanger mounting bolt.

Hanger bolt
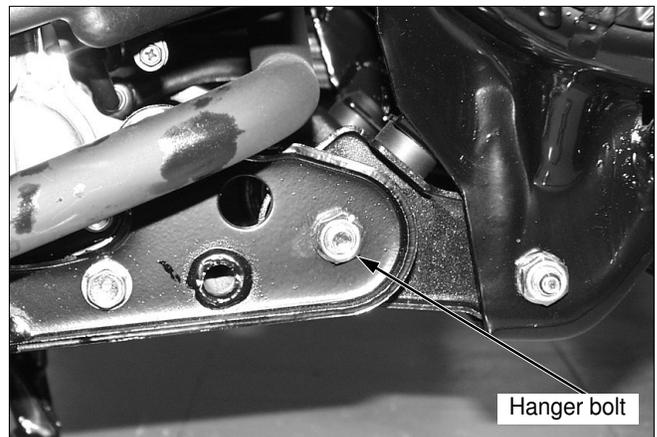
Loosen the rear cushion lower bolt.

Lower bolt
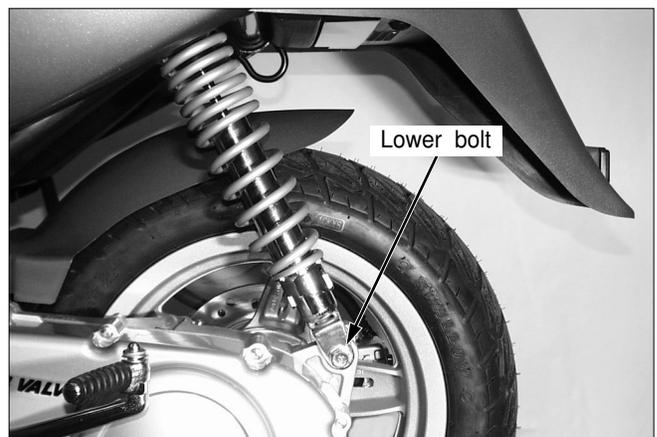
Remove the engine.
(with the rear swing arm and rear wheel attached)
Remove the rear swing arm.
Remove the rear wheel. (13-3)

Rear swing arm

Engine Installation

Install in the reverse order of removal.

NOTE

> Take precautions not to damage wiring and cable.
> Take precautions not to damage the threaded part of bolts.
> Arrange the cable, tubes and wiring in the right positions.

Toque:

Engine hanger bolt:(Front)2.7kg-m(27N.m, 20ft-lb)
(Rear)3.5kg-m(35N.m, 25ft-lb)

Check the following after the engine is assembled.
- Engine oil
- Electric systems