
ENGINE REMOVAL



SERVICE INFORMATION----- 6- 1

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6. ENGINE REMOVAL/INSTALLATION

SERVICE INFORMATION

GENERAL INSTRUCTIONS

- A floor jack or other adjustable support is required to support and maneuver the engine.
Be careful not to damage the machine body, cables and wires during engine removal.
- Use shop towels to protect the machine body during engine removal.
- Parts requiring engine removal for servicing:
 - Crankcase
 - Crankshaft

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ENGINE REMOVAL

Drain engine oil and transmission oil.

(Refer to chapter 3).

Remove frame covers and exhaust pipe.

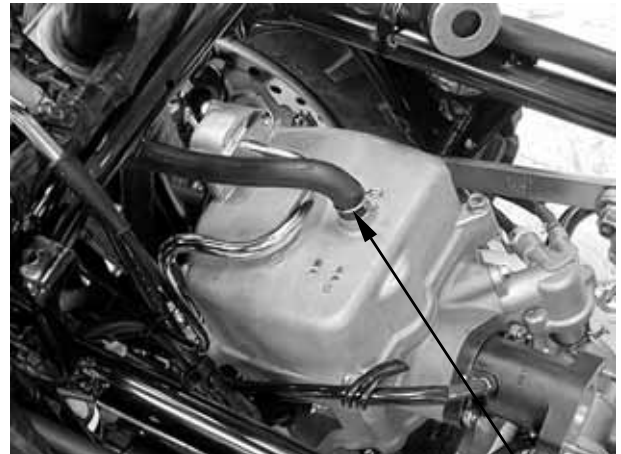
(Refer chapter 2).

Remove the air cleaner housing and carburetor. (Refer to chapter 5).

Remove the secondary air cleaner (refer to chapter 20).

Remove the spark coil (refer to chapter 17).

Disconnect the crankcase breather from the cylinder head cover.



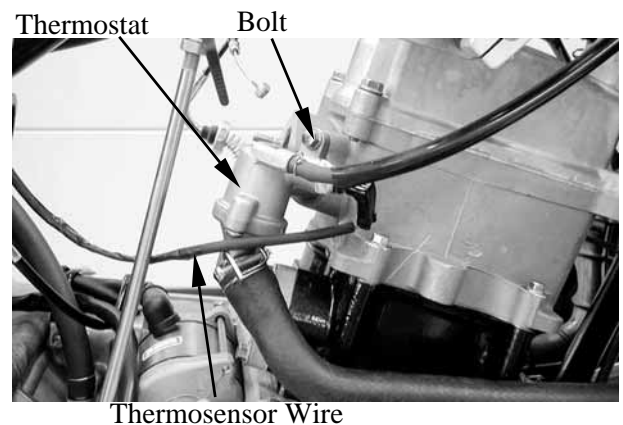
Breather Hose

Disconnect the water hose from water pump cover.

Water Hose



Remove the bolt at the thermostat and disconnect the thermosensor wire, then disconnect the thermostat from the cylinder head.

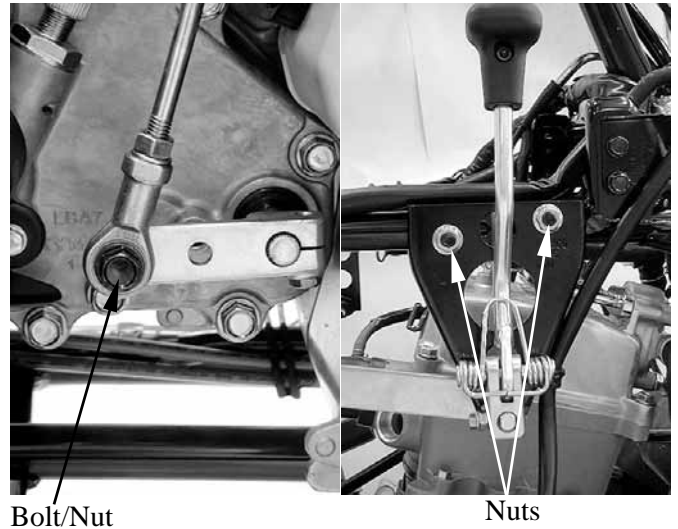


Thermosensor Wire

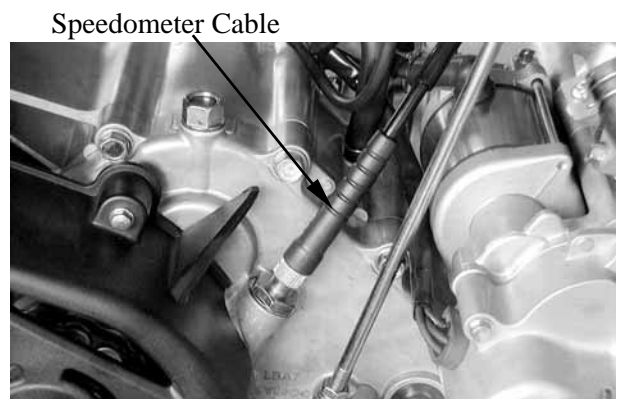
6. ENGINE REMOVAL/INSTALLATION

Remove the drive select shift to drive select arm connecting bolt and nut.

Remove the two mounting nuts and drive select shift.

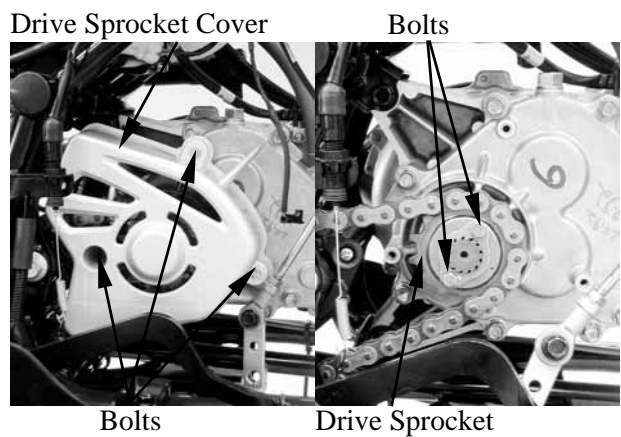


Disconnect the speedometer cable.



Remove the three bolts at the drive sprocket cover and then remove the drive sprocket cover.

Remove the two bolts on the drive sprocket.
Remove the drive sprocket and washer.



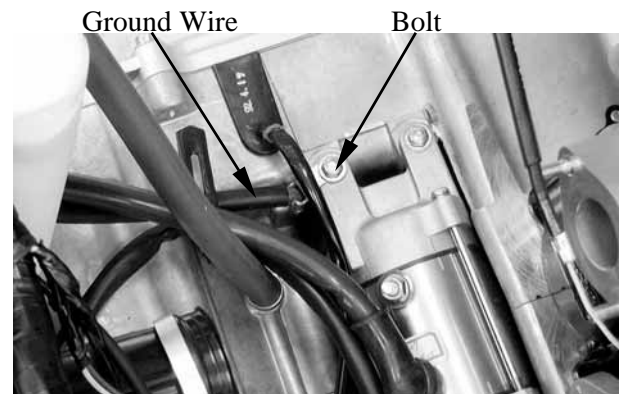
6. ENGINE REMOVAL

Slide the rubber sleeve back to expose the starter motor wire nut.

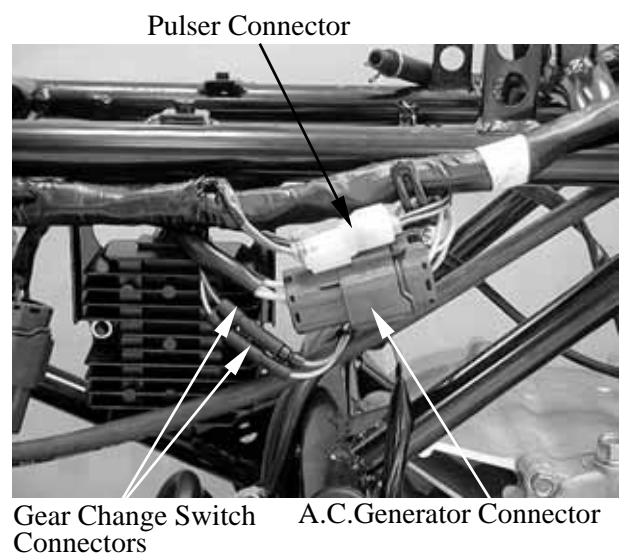
Remove the starter motor wire nut for disconnect the starter motor wire.



Remove the bolt at the starter motor for disconnect the ground wire lead.



Remove the A.C. Generator, pulser and gear change switch couplers.



6. ENGINE REMOVAL/INSTALLATION

Loosen the inlet hose band screw and then disconnect the inlet hose from the left crankcase cover.

Inlet Hose



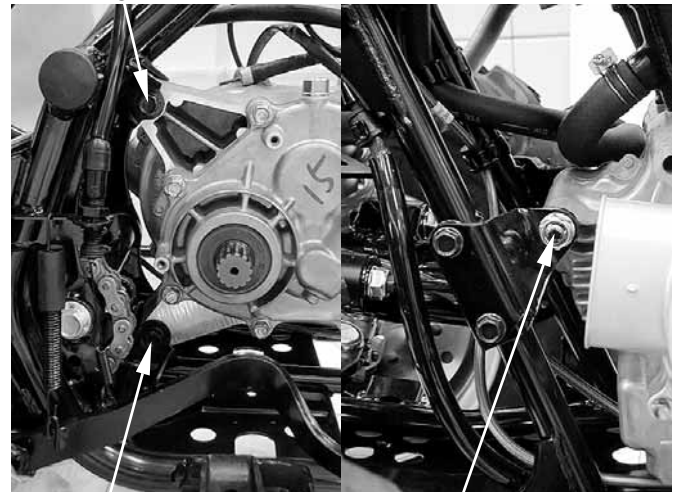
Screw

Remove the rear lower mounting bolt and nut.

Remove the rear upper mounting bolt and nut.

Remove the front mounting bolts and nuts.

Mounting Bolt and Nut

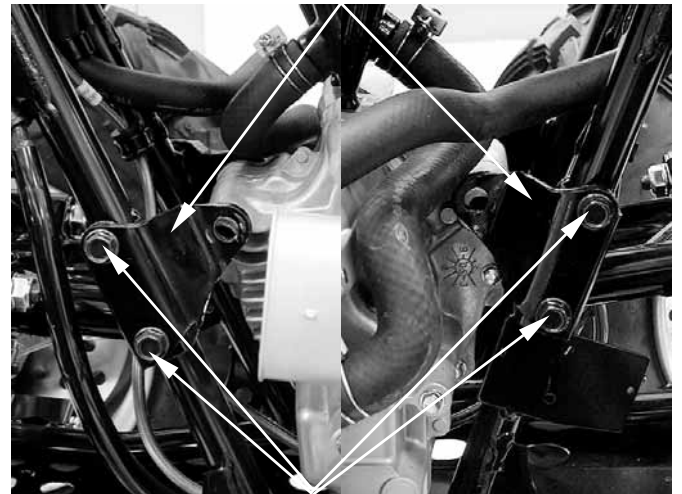


Mounting Bolt and Nut

Mounting Bolt and Nut

Remove the four bolts for remove the left and right engine brackets.

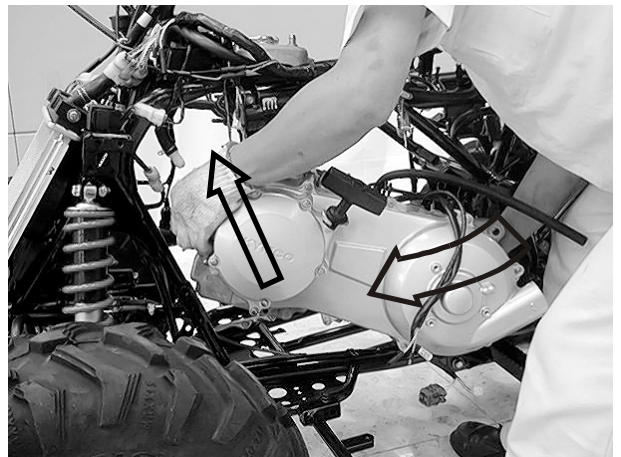
Brackets



Bolts

6. ENGINE REMOVAL

Remove the engine assembly to the left side of the machine.



Installation is in the reverse order of removal.

