

ENGINE REMOVAL/INSTALLATION

6

SERVICE INFORMATION ----- 6- 1

ENGINE REMOVAL ----- 6- 2

ENGINE INSTALLATION ----- 6- 4

## **6. ENGINE REMOVAL/INSTALLATION**

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### **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 motorcycle body during engine removal.
- Parts requiring engine removal for servicing:
  - ☐ Crankcase
  - ☐ Crankshaft

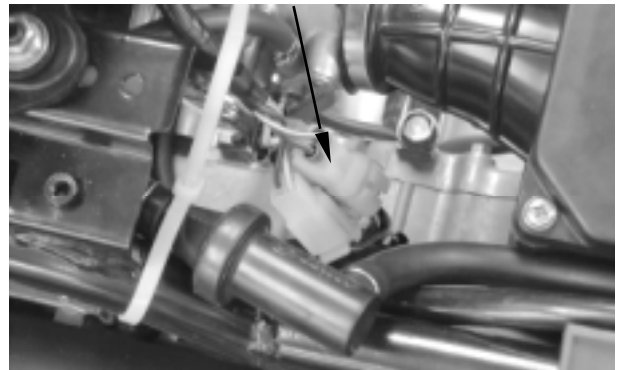
## 6. ENGINE REMOVAL/INSTALLATION

### ENGINE REMOVAL

Drain engine oil and transmission oil.  
Remove seat, front cover, center cover, front fender and rear fender.  
Remove the carburetor.

Disconnect the battery negative cable.  
Remove the frame body cover.  
Disconnect the engine negative cable.  
Disconnect the A.C.G. wire connector.

A.C.G. Wire Connector



Disconnect the starter motor cable from the starter relay.

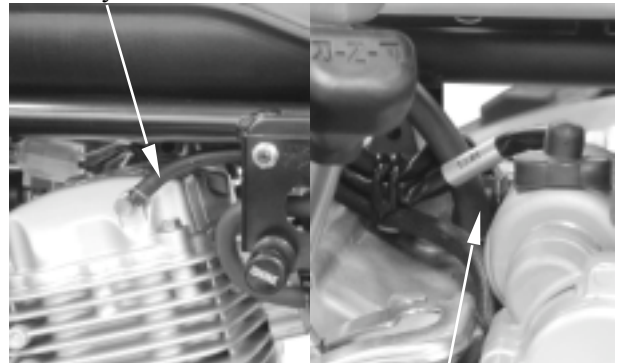
Starter Relay

Starter Motor Cable



Disconnect the oil recycle tube at the engine body.  
Disconnect the oil recycle tube at the cylinder head cover.

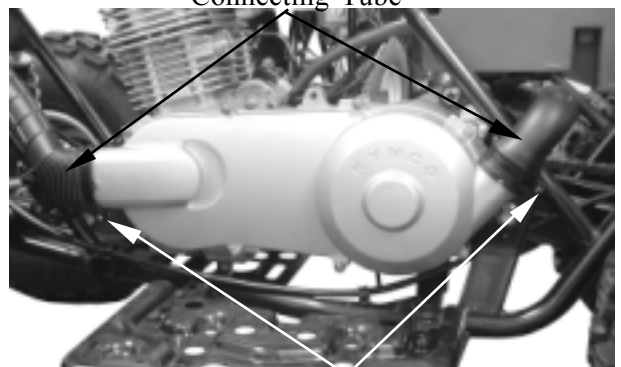
Oil Recycle Tube



Oil Recycle Tube

Loosen the drive belt air cleaner connecting tube band screw and remove the connecting tube.

Connecting Tube

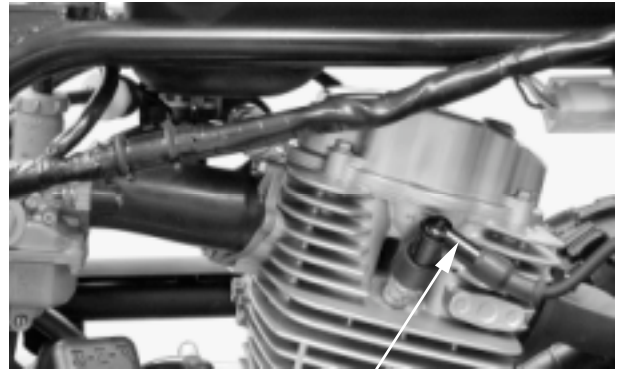


Screw

## 6. ENGINE REMOVAL/INSTALLATION

Disconnect the spark plug high-tension wire.

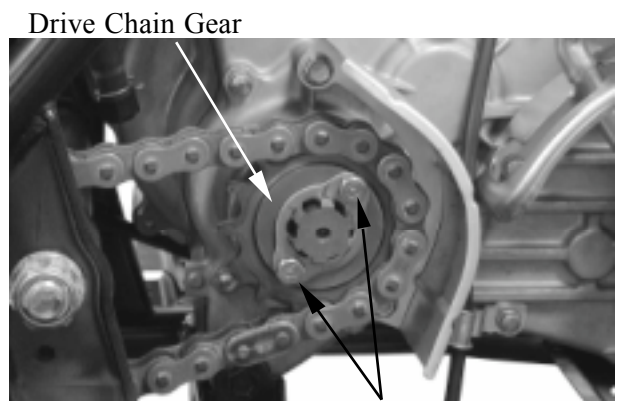
Remove the spark plug cap and disconnect the ignition coil wire from the set plate.



Ignition Coil Wire

Remove the rear drive chain gear on the bolts.

Remove the drive chain gear.

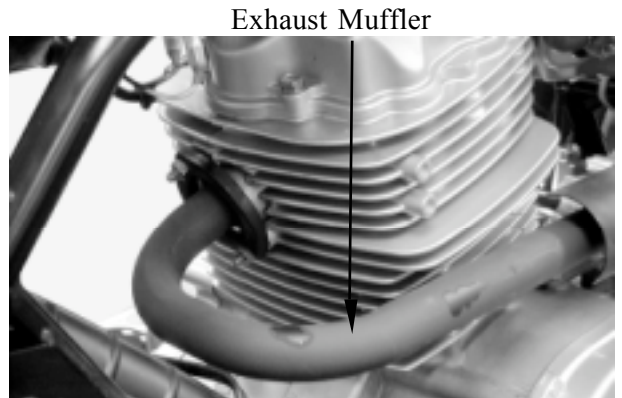


Drive Chain Gear

Bolts

Remove the two bolts and two joint lock nuts attaching the exhaust muffler.

Remove the exhaust muffler.

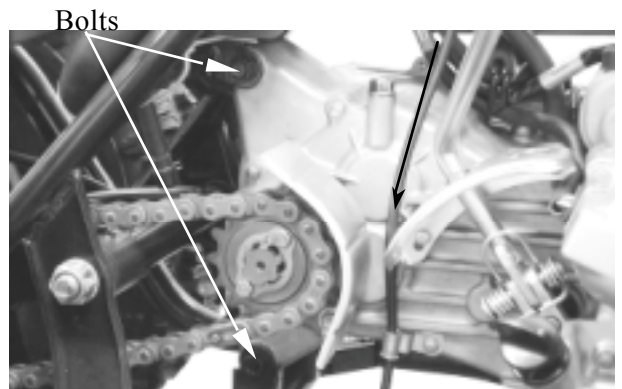


Exhaust Muffler

### ENGINE REMOVAL

Remove the engine any connector thing.

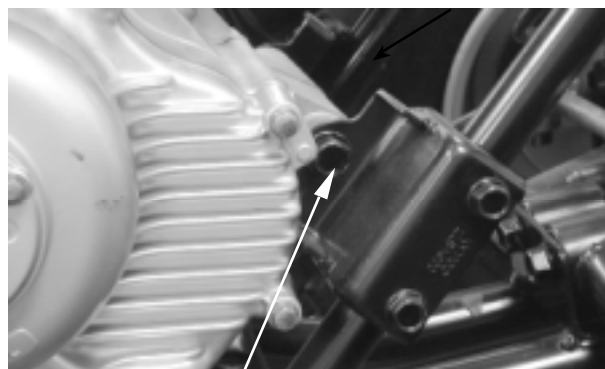
Remove the engine back bracket tow bolts.



Bolts

## 6. ENGINE REMOVAL/INSTALLATION

Remove the engine front bracket bolt.

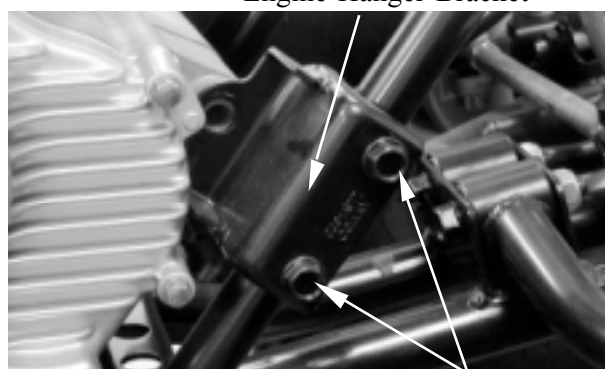


Bolt

Engine Hanger Bracket

### ENGINE HANGER BRACKET REMOVE

Remove the two bolts on the left engine hanger bracket.  
Remove the left engine hanger bracket.  
Remove the engine.



Bolts

### ENGINE INSTALLATION

Install the engine and tighten the engine mounting bolts.

**Torque:** 3.5\_ 4.5kgf-m

Install the removed parts in the reverse order of removal.

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Route the wires and cables properly.

