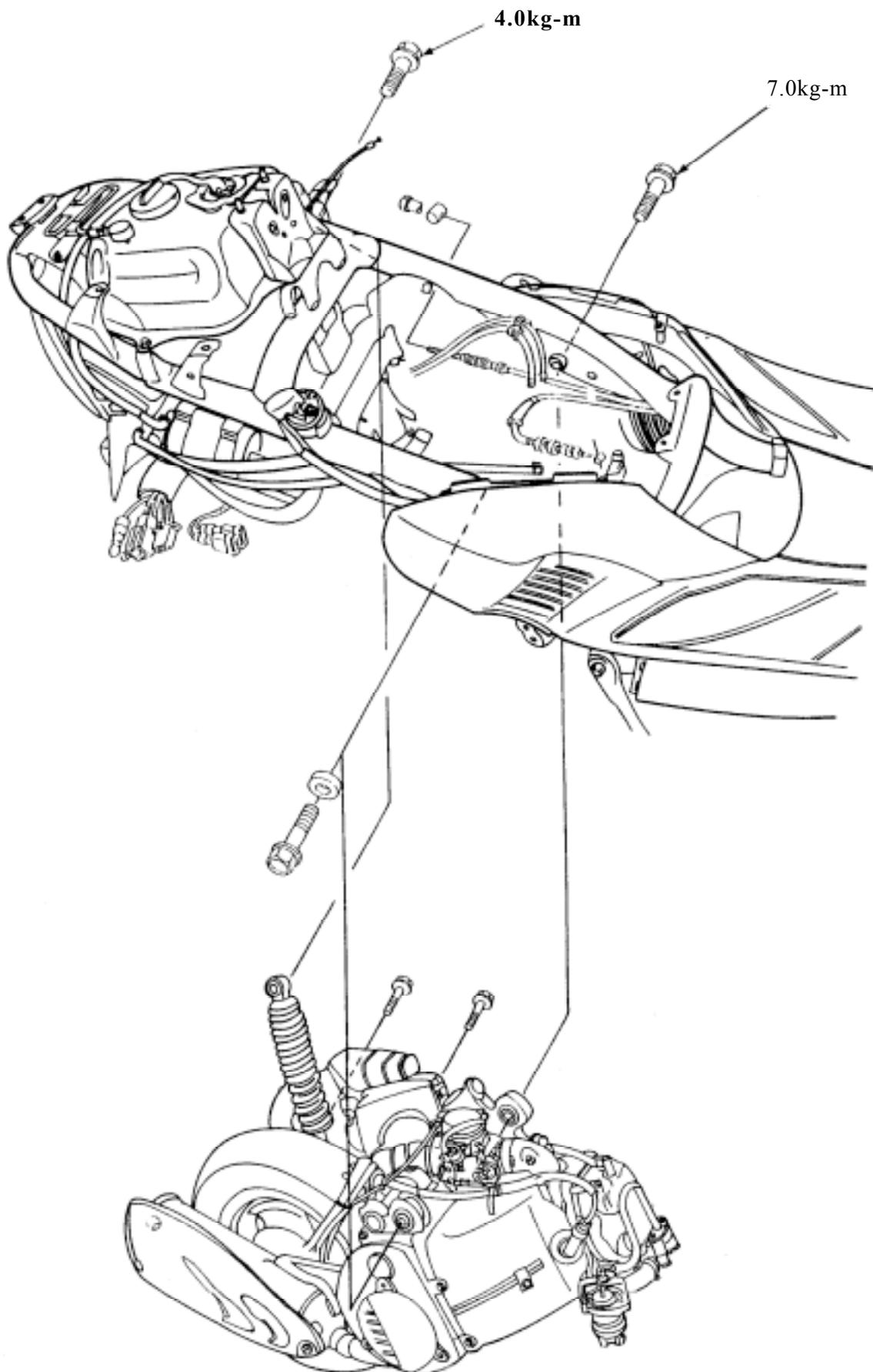


## 6. ENGINE REMOVAL/INSTALLATION

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## 6. ENGINE REMOVAL/INSTALLATION

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SERVICE INFORMATION.....	6-1	ENGINE INSTALLATION.....	6-4
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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 motorcycle 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

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### ENGINE REMOVAL

Disconnect the battery negative cable.  
Remove the frame body cover. (⇒2-2)  
Disconnect the engine negative cable.  
Disconnect the spark plug high tension wire.  
Disconnect the auto bystarter wire connector.

Disconnect the starter motor cable from the starter relay.  
Remove the spark plug cap and disconnect the ignition coil wire from the set plate.

Disconnect the fuel tube at the carburetor side.  
Disconnect the auto fuel valve vacuum tube from the tee tube.  
Disconnect the throttle cable from the carburetor.

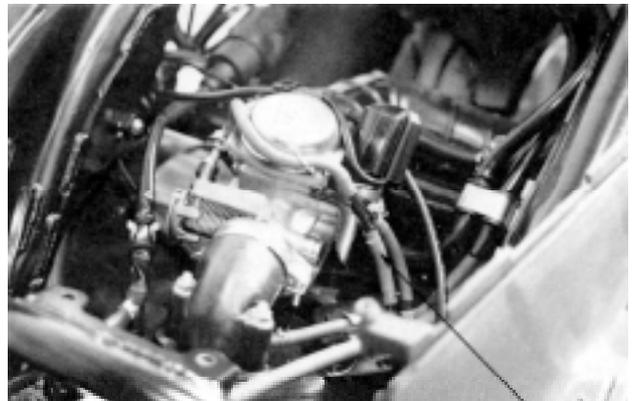
Loosen the drive belt air cleaner connecting tube band screw and remove the connecting tube.



Auto Bystarter Wire  
Ignition Coil Wire Starter Relay

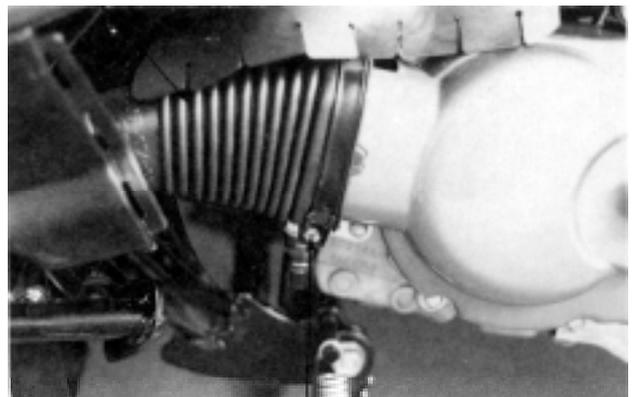


Starter Motor Cable  
Vacuum Tube Fuel Tube



Tee Tube

Connecting Tube



Screw

## 6. ENGINE REMOVAL/INSTALLATION

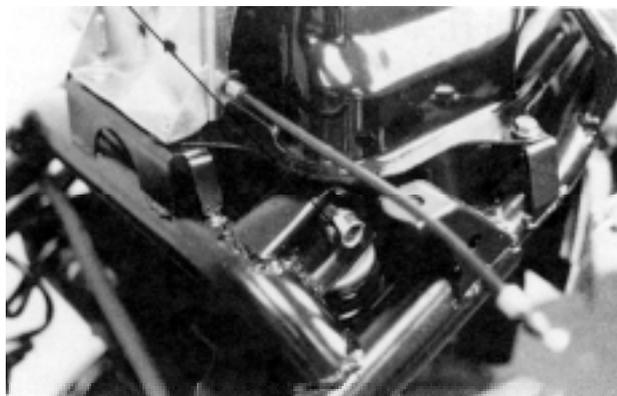
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Remove the air cleaner bolts.  
Remove the rear brake adjusting nut,  
connecting pin and rear brake cable.



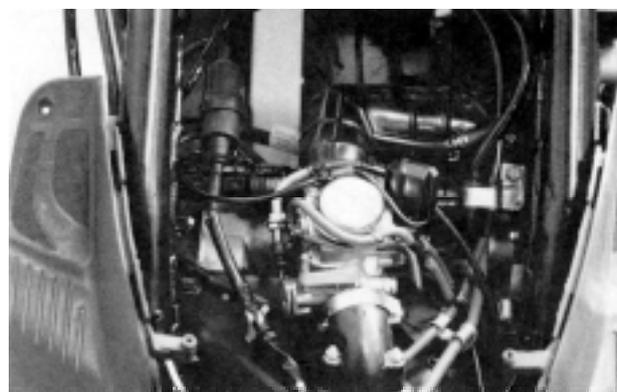
Remove the rear shock absorber upper mount  
bolt.

Rear Shock Absorber Upper Mount Bolt



Remove the four A.C. generator cooling fan  
cover bolts and cooling fan cover.  
Remove the engine mounting bolt and pull out  
the engine with the engine hanger bracket  
backward.

Engine Mounting Bolt

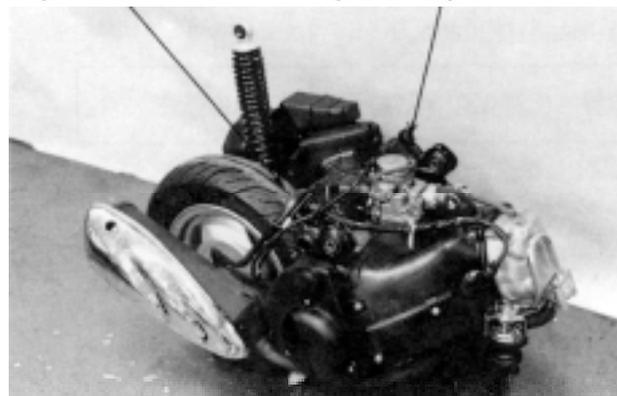


### ENGINE HANGER BRACKET REMOVAL

Remove the ignition coil from the engine  
hanger.  
Remove the engine hanger bracket bolt and  
nut.  
Remove the engine hanger bracket.

Ignition Coil

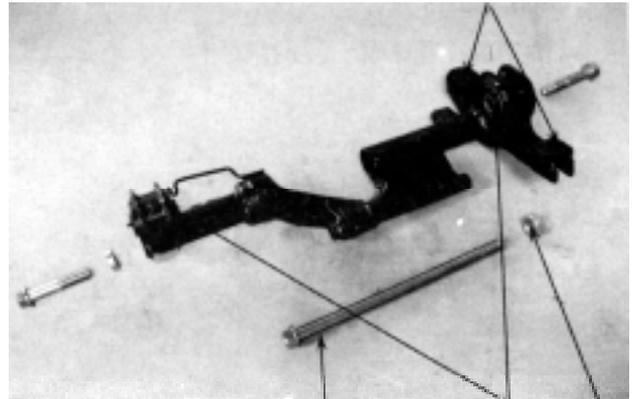
Engine Hanger Bracket



## 6. ENGINE REMOVAL/INSTALLATION

Inspect the engine hanger bushings and stopper rubbers for wear or damage.

Stopper Rubbers

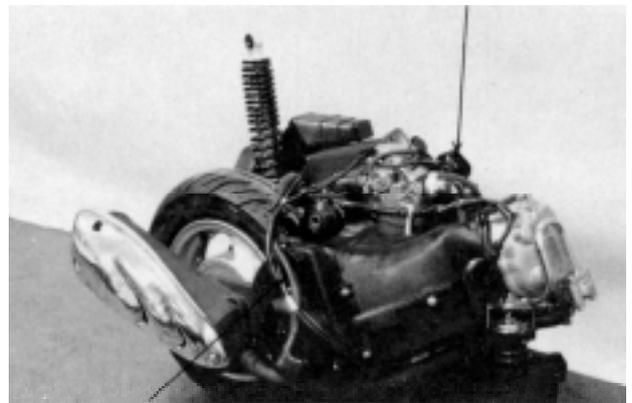


Bolt

Bushings Nut  
Engine Hanger Bracket

### ENGINE HANGER BRACKET INSTALLATION

Install the engine hanger bracket to the engine. Install the engine hanger bracket bolt and tighten the nut.



Nut

Engine Mounting Bolt

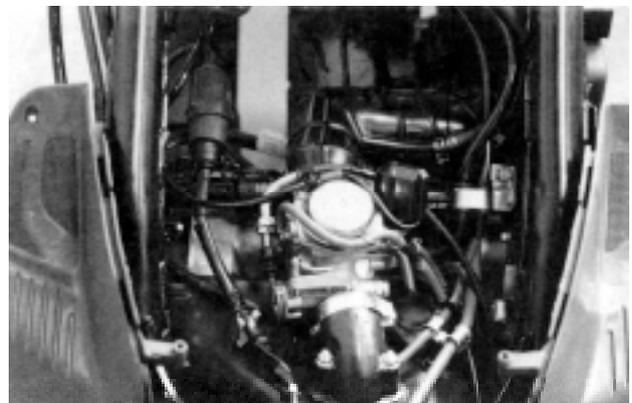
### ENGINE INSTALLATION

Install the engine and tighten the engine mounting bolt.

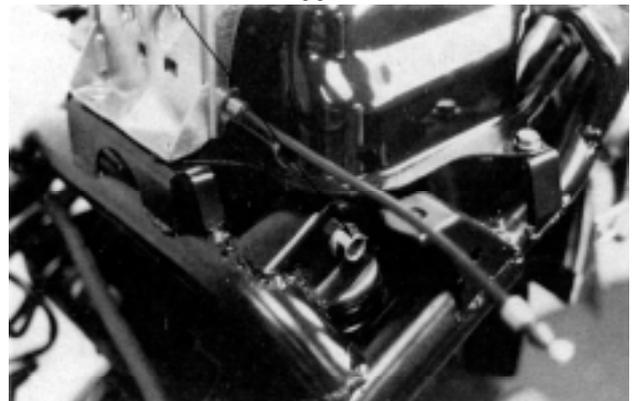
**Torque:** 7.0kg-m

Tighten the rear shock absorber upper mount bolt.

**Torque:** 4.0kg-m



Rear Shock Absorber Upper Mount Bolt



Install the removed parts in the reverse order of removal.

\* Route the wires and cables properly.

After installation, inspect and adjust the following:

- Throttle grip free play (⇒3-3)
- Rear brake adjustment (⇒3-8)