

# **6. ENGINE REMOVAL/INSTALLATION**

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## **ENGINE REMOVAL/INSTALLATION**

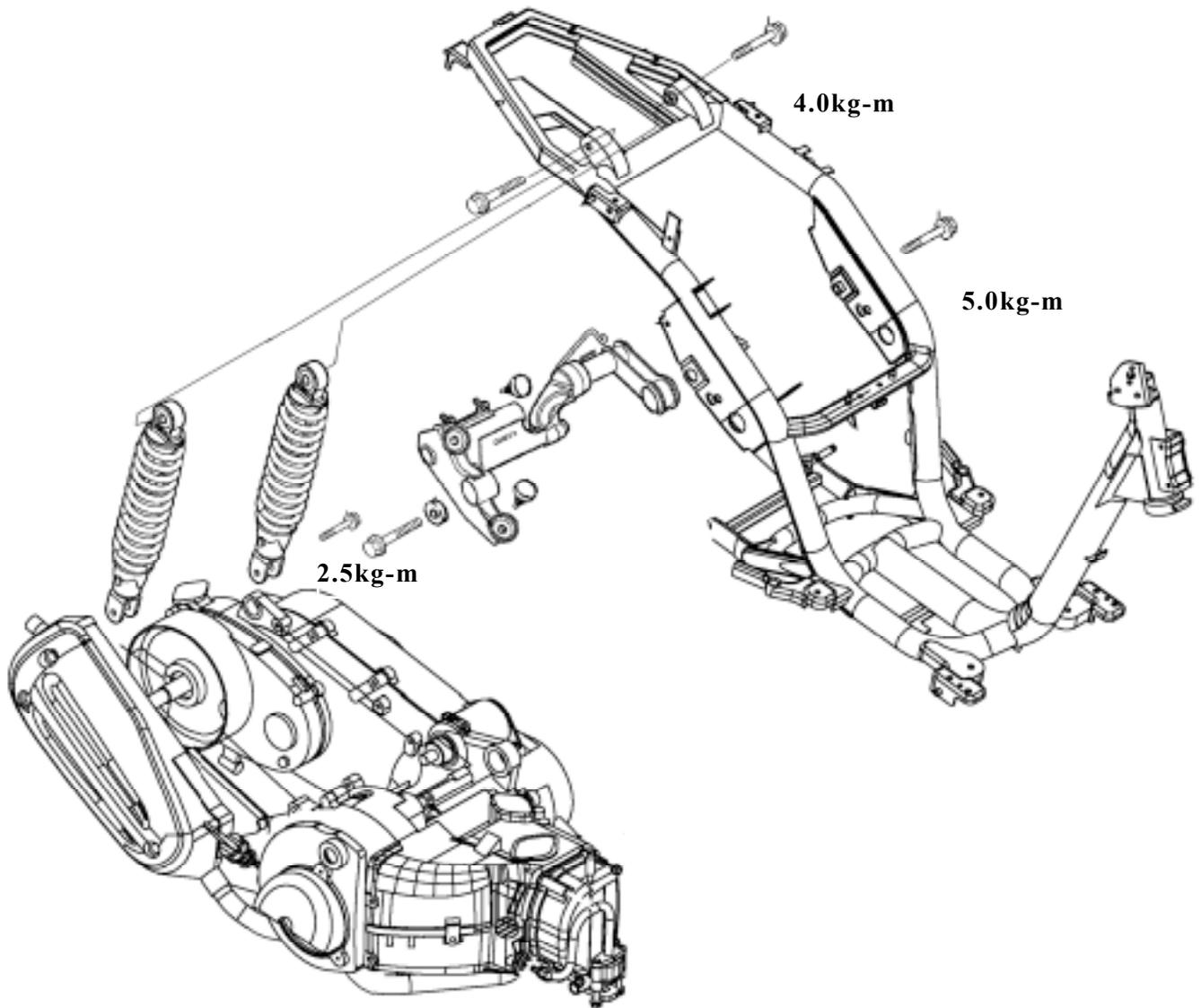
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### **SERVICE INFORMATION**

#### **GENERAL INSTRUCTIONS**

- The engine removal operation is required to support 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

### ENGINE REMOVAL

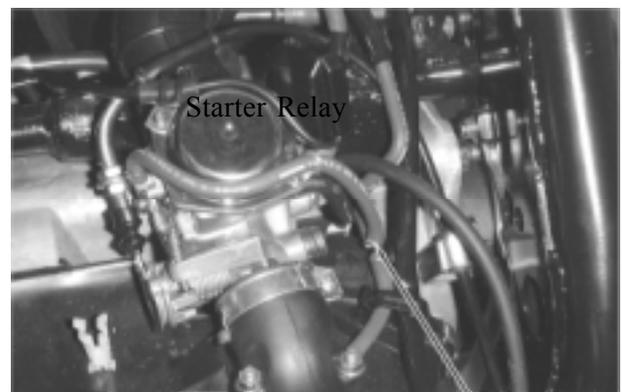
Disconnect the battery negative cable.  
Remove the frame body cover. (⇒2)  
Disconnect the engine negative cable.  
Disconnect the spark plug high tension wire.  
Disconnect the auto bystarter wire connector.  
Disconnect the A.C.G. wire connector.



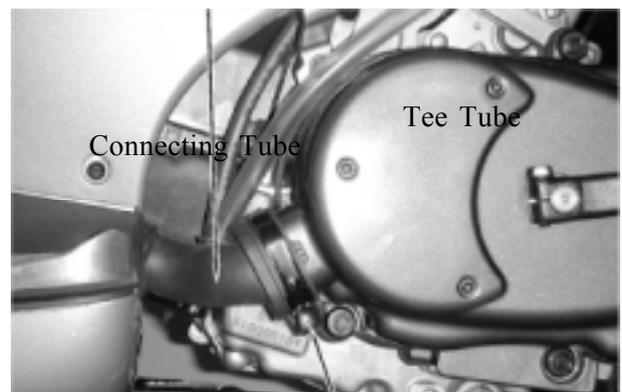
Disconnect the starter motor cable from the starter relay.  
Remove the spark plug cap.



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.



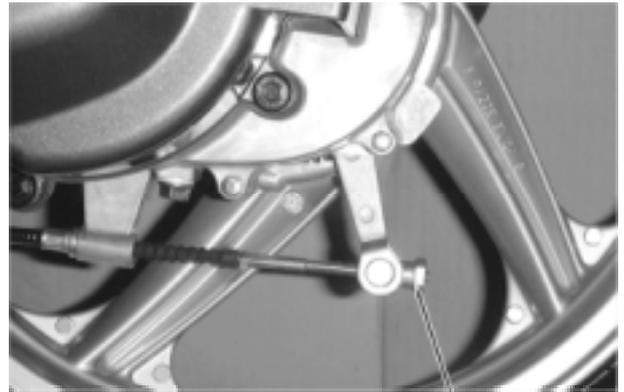
Loosen the drive belt air cleaner connecting tube band screw and remove the connecting tube.



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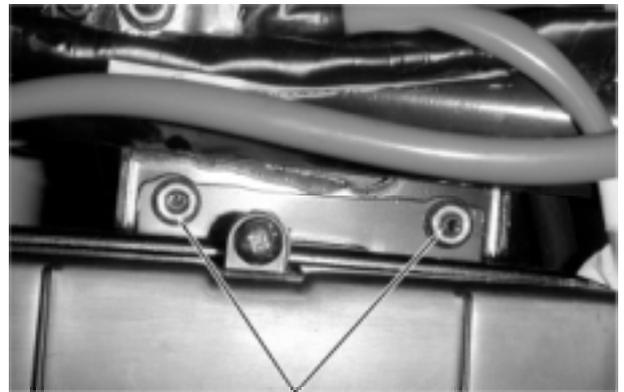
Screw

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



Rear brake adjusting nut

Remove the two nut on the battery tank.

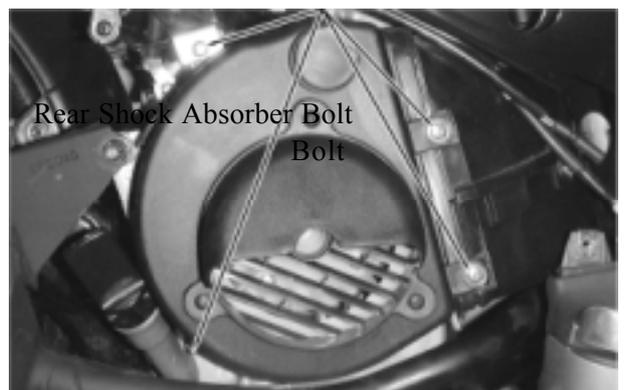


Remove the rear shock absorbers mounting  
bolts.



Nut

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.



Rear Shock Absorber Bolt  
Bolt

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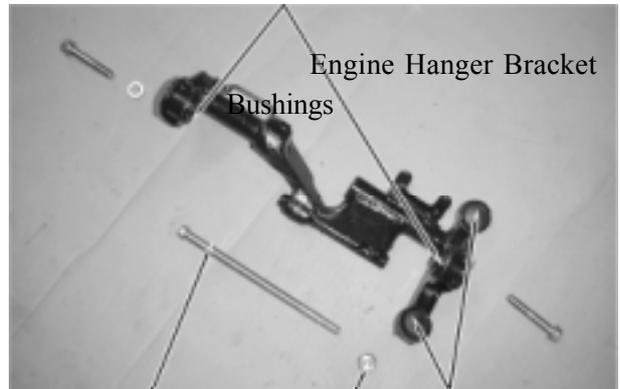
following:

- Throttle grip free play (⇒3-3)



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



### ENGINE HANGER BRACKET INSTALLATION

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

### ENGINE INSTALLATION

Install the engine and tighten the engine mounting bolts.

**Torque:** 5.0kg-m

Tighten the rear shock absorbers mounting bolts.

**Torque:** Up side 4.0kg-m  
Down side 2.5kg-m

Install the removed parts in the reverse order of removal.

\* Route the wires and cables properly.

After installation, inspect and adjust the



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