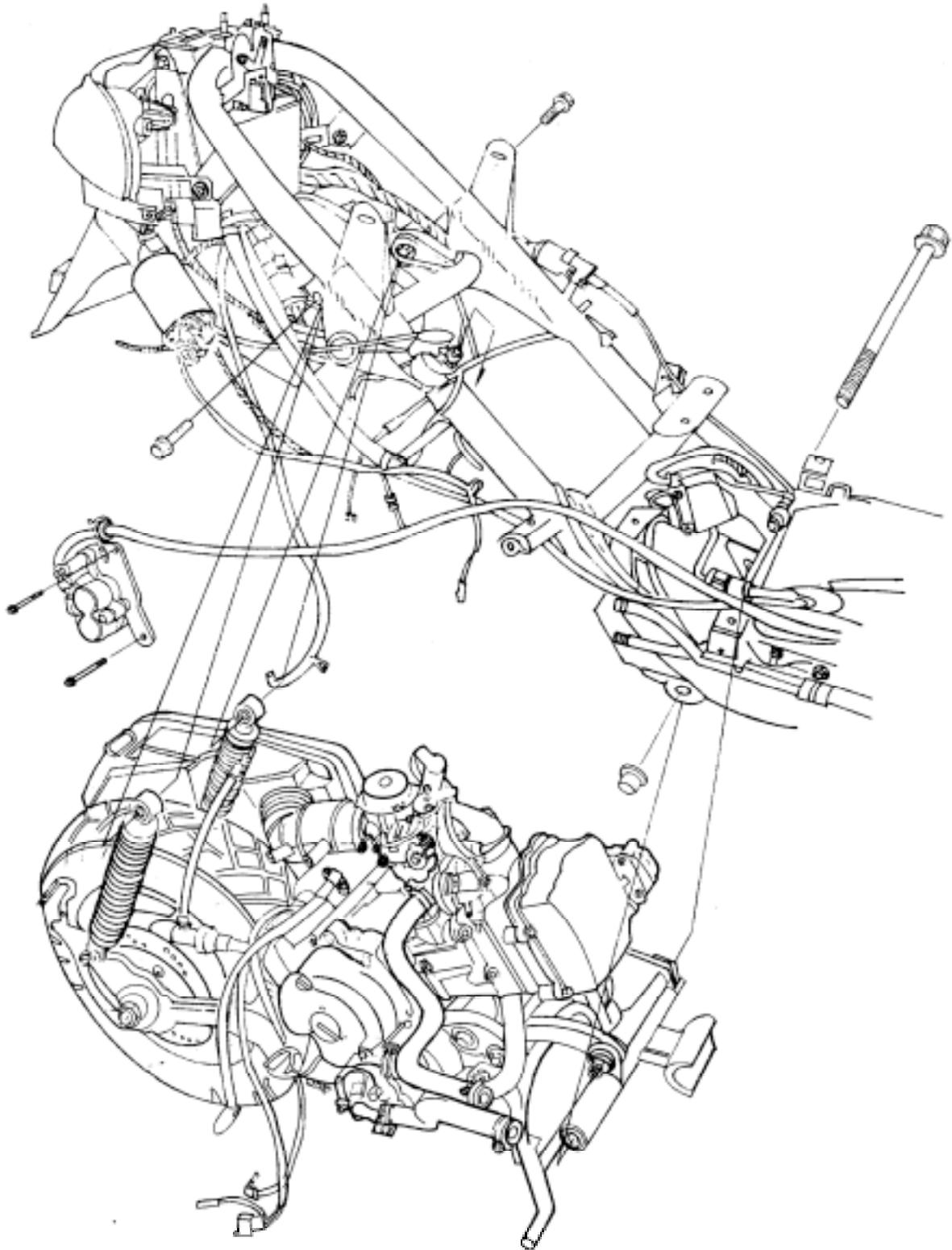




# 5. ENGINE REMOVAL/INSTALLATION

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## SCHEMATIC DRAWING



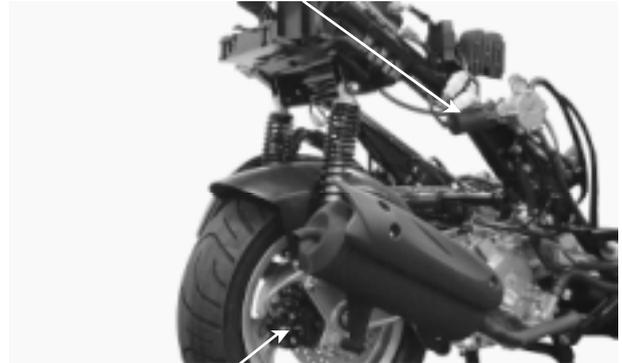


## 5. ENGINE REMOVAL/INSTALLATION

### ENGINE REMOVAL

Disconnect the battery negative cable.  
 Remove the frame body cover. (⇒2-3)  
 Disconnect the engine negative cable.  
 Disconnect all of the A.C. generator, auto bystarter, spark plug, thermosensor wire couplers and connectors.  
 Disconnect the engine fuel tube.  
 Drain the coolant. (⇒3-9)  
 Disconnect the water hose.

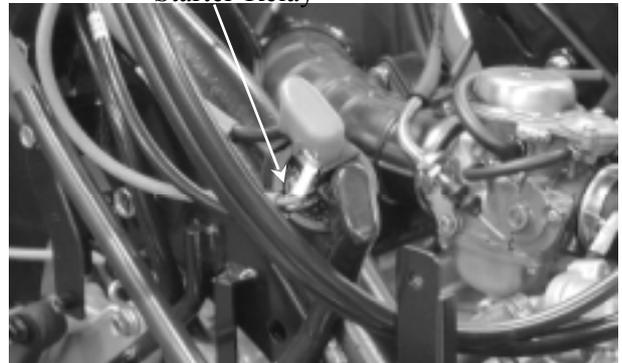
Wire Connectors



Rear Brake Caliper

Disconnect the starter motor wire that goes to the starter relay.

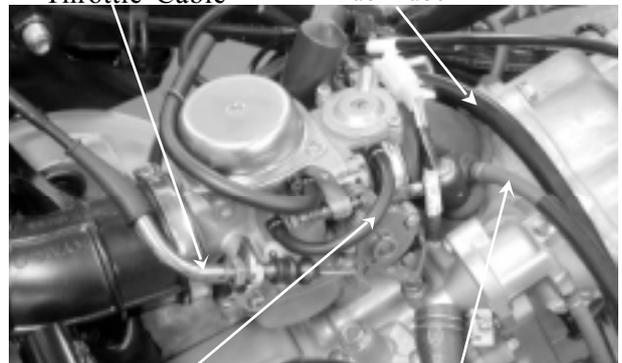
Starter Relay



Disconnect the fuel tube and vacuum tube that go to the carburetor from the fuel pump.  
 Disconnect the vacuum tube from the air cut-off valve (ACV).  
 Disconnect the throttle cable from the carburetor.

Throttle Cable

Fuel Tube

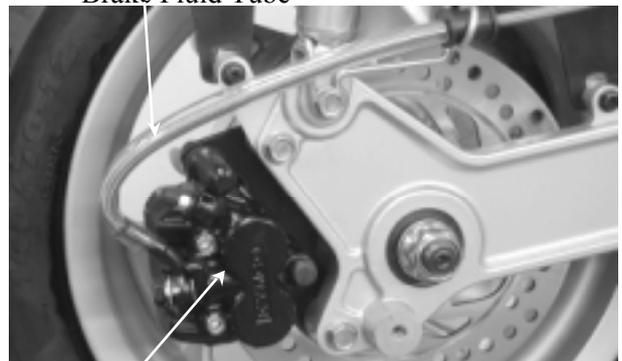


ACV Vacuum Tube

Fuel Pump Vacuum Tube

Remove the brake fluid tube bolt of the rear brake caliper.  
 Remove the rear brake caliper bolt and the rear brake caliper.

Brake Fluid Tube

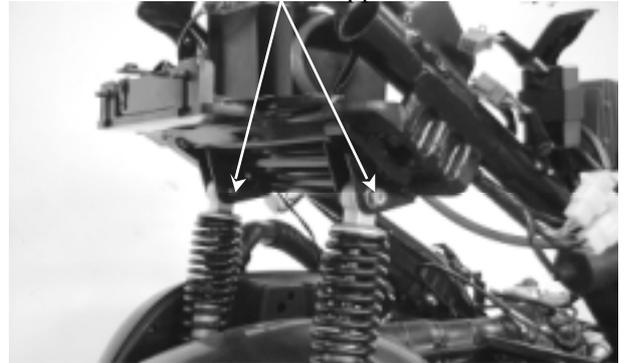


Rear Brake Caliper

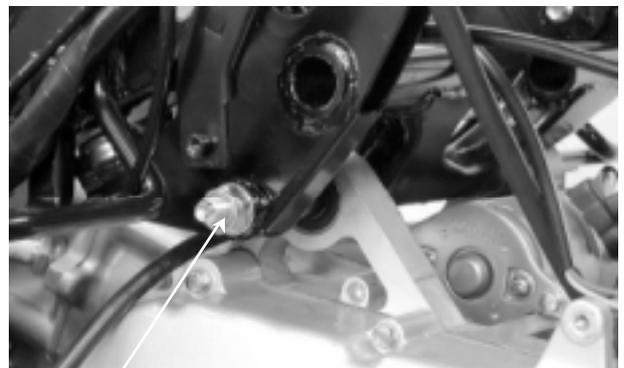
## 5. ENGINE REMOVAL/INSTALLATION

Remove the right/left rear shock absorber upper mount bolts.

Rear Shock Absorber Upper Mount Bolts



Remove the two engine mounting bolts and pull out the engine with the engine hanger backward.



Engine Hanger Bolt

### ENGINE HANGER REMOVAL

Remove the engine hanger bolts to remove the engine hanger.

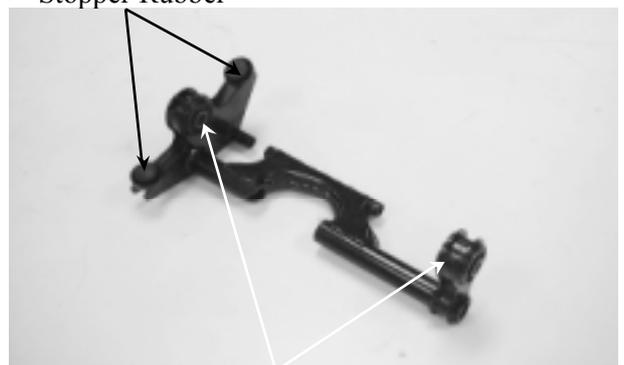


Bolt

Engine Hanger

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

Stopper Rubber



Bushings

## 5. ENGINE REMOVAL/INSTALLATION

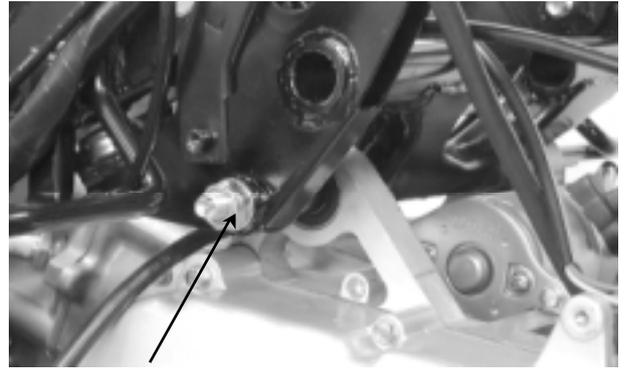
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### ENGINE INSTALLATION

Install the engine in the reverse order of removal.

Tighten the engine mounting bolts.

**Torque:** 49N-m



Engine Hanger Bolt

Tighten the rear shock absorber upper mount bolts.

**Torque:** 39.2N-m

After installation, inspect and adjust the following:

- Throttle grip free play (⇒3-3)
- Fill the rear brake reservoir with brake fluid and bleed air from the rear brake.
- Fill the cooling system with coolant and start the engine to bleed air from the system.

Rear Shock Absorber Upper Mount Bolts

