A WARNING

- Make sure jacks and safety stands are placed properly (pages 1-6 thru 8), and hoist brackets are atttached to correct positions on the engine (page 5-18).
- Apply parking brake and block rear wheels, so car will not roll off stands and fall on you while working under it.

CAUTION: Use fender covers to avoid damaging painted surfaces.

AWARNING Use care when removing radiator cap and when draining radiator, engine and transmission, to avoid scalding by hot coolant or oil.

- Disconnect the battery negative terminal first, then the positive terminal.
- Unbolt the hood brackets and remove the hood after removing the washer hose.

CAUTION: Use care when storing the hood to avoid damaging the paint.

- 3. Remove the drain plug to drain engine oil.
 - Remove the filler cap to speed draining.

CAUTION: After draining the engine oil, always replace drain washers with new ones.

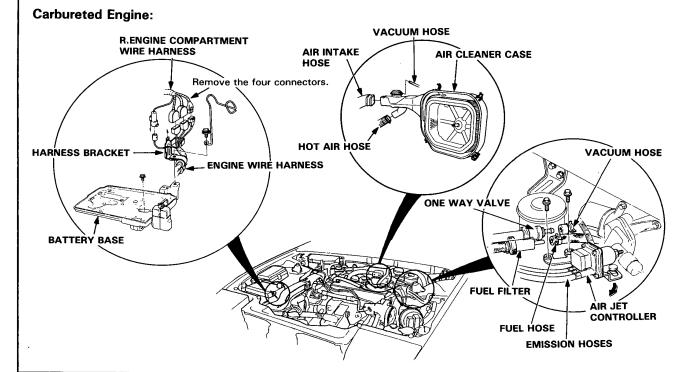
- 4. Drain transmission oil.
 - Use a 3/8" drive socket wrench to remove the drain plug.
 - Remove the level gauge or filler bolt to speed draining.
- Loosen the drain plug to drain coolant from the radiator.
 - Remove the radiator cap to speed draining.

Carbureted Engine (Fuel-Injected Engine, go to step 11.)

- 6. Remove the battery and battery base.
- 7. Remove the air intake hose and air cleaner case.
- 8. Disconnect the fuel hose at the fuel filter.

AWARNING Do not smoke while working on fuel system, keep open flame or spark away from work area. Drain fuel only into an approved container.

- Disconnect the brake booster vacuum hose at the one way valve.
- 10. Remove the air jet controller.
 - Do not disconnect the emission hoses.





Fuel-Injected Engine (Carbureted Engine, go to step 16)

- 11. Remove the battery and the battery base.
- 12. Remove the air intake hose air cleaner and front resonator chamber as an assembly.

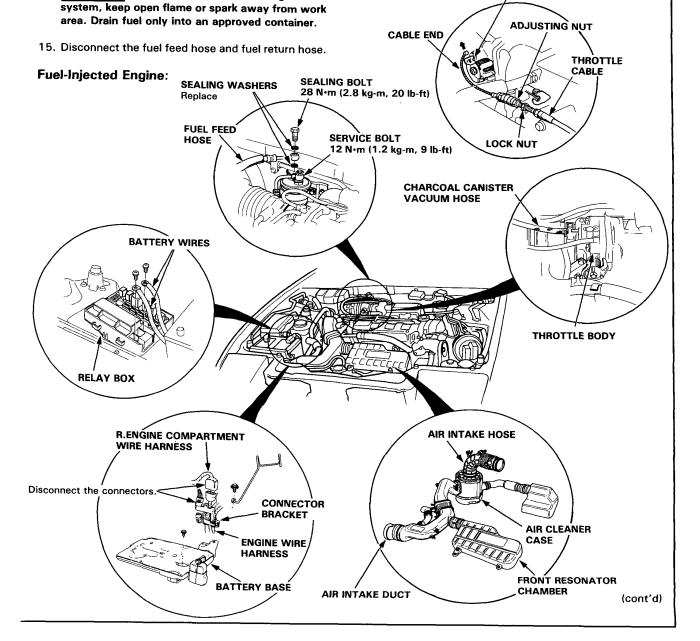
AWARNING Do not smoke while working on fuel

- 13. Remove the battery wires from the relay box.
- 14. Relieve fuel pressure.

- 16. Disconnect the charcoal canister vacuum hose at the throttle valve.
- Disconnect the throttle cable at the throttle body or carburetor.

THROTTLE LINK

NOTE: Take care not to bend the cable when removing it. Do not use pliers to remove the cable from the linkage. Always replace a kinked cable with a new one.

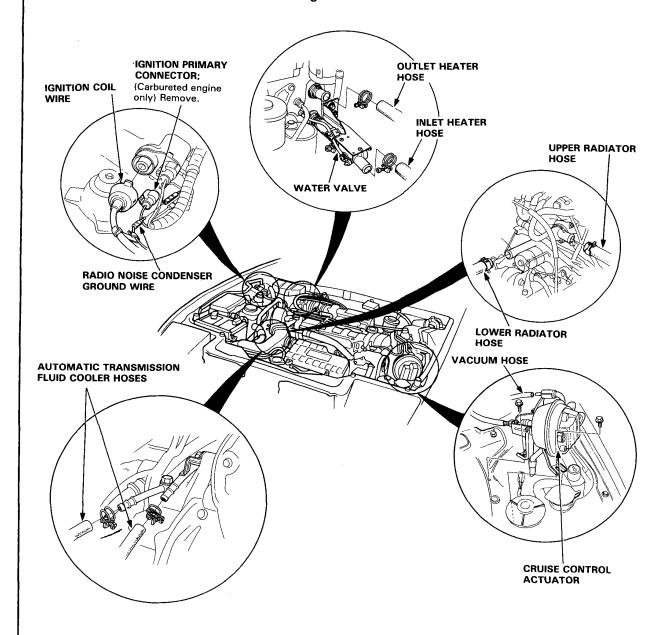


(cont'd) -

- Disconnect the ignition coil wire, radio noise condenser ground wire and ignition primary connector (Carbureted Engine only), then remove the distributor.
- 19. Disconnect the upper and lower radiator hoses.
- 20. Disconnect the inlet and outlet heater hoses.

- 21. Disconnect the automatic transmission fluid (ATF) cooler hoses (A/T).
 - Plug the ATF cooler hoses.
- 22. Disconnect the vacuum hose, then remove the cruise control actuator (with cruise control).

Fuel-Injected Engine shown; Carbureted Engine similar:





23. Disconnect the engine wire harness connectors 24. Disconnect the two connectors, then remove the from R. engine compartment wire harness (Fuelemission control box and vacuum tank. Injected Engine only). Don't disconnect the vacuum hoses. Fuel-Injected Engine: **EMISSION CONTROL BOX** 25. Disconnect the brake booster vacuum hose. **BRAKE BOOSTER** INTAKE **VACUUM HOSE MANIFOLD CHAMBER** CONNECTORS CHARCOAL CANISTER **VACUUM TÁNK** R.ENGINE COMPARTMENT WIRE HARNESS VÁCUUM HOSE **ENGINE WIRE HARNESS CONNECTORS ENGINE WIRE HARNESS EMISSION CONTROL VACUUM HOSE** BOX Disconnect from outer Carbureted Engine: vent SOL. V CONNECTORS VACUUM TANK INSTALL PIPE VACUUM HOSE (cont'd)

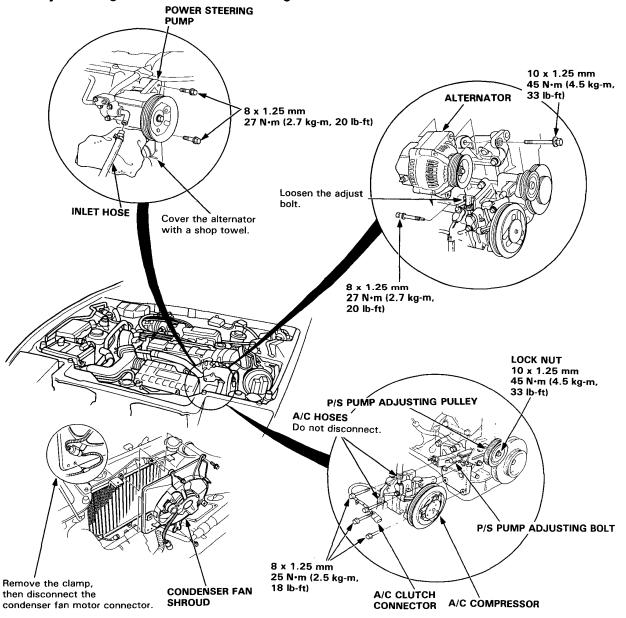
- (cont'd) -

- 26. Remove the power steering (P/S) pump belt and alternator belt (6-21).
- 27. Disconnect the inlet hose and remove the power steering pump.

CAUTION: When the hose is disconnected, fluid will flow out. Cover the alternator with a shop towel.

- 28. Remove the alternator.
- 29. Remove the condenser fan shroud.
- 30. Remove the air conditioning (A/C) compressor, then mount compressor on the front beam.
 - Do not disconnect the A/C hoses.

Fuel-Injected Engine shown; Carbureted Engine similar:





- Disconnect the shift cable and select cable from the transmission, then remove the cable bracket (M/T).
- 32. Remove the automatic transmission shift cable from the transmission (A/T).

NOTE:

- Take care not to bend the cable when removing it. Do not use pliers to remove the cable. Always replace a kinked cable with a new one.
- On reassembly, check the cable adjustment (See Section 13 for M/T and Section 14 for A/T of base manual).

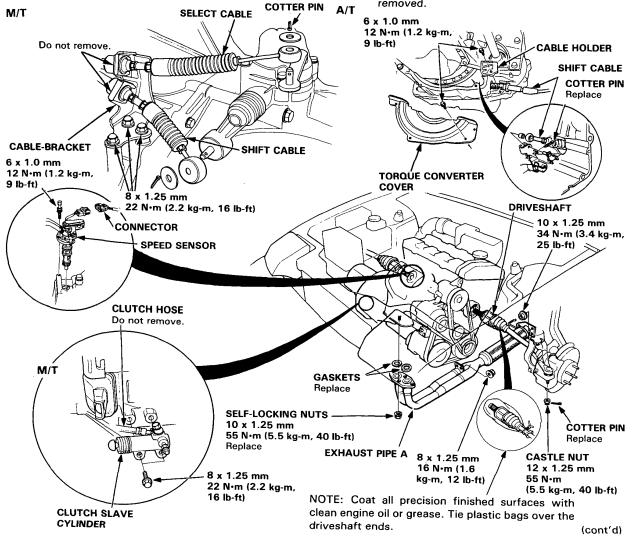
Fuel-Injected Engine shown; Carbureted Engine similar:

- 33. Remove the transmission ground wire.
- 34. Remove left axle and half shaft.

- Remove clutch slave cylinder.
 NOTE: Do not disconnect hose from the slave cylinder.
- 36. Remove the speed sensor and the connector.

NOTE:

- Remove the oxygen sensor prior to disconnecting the exhaust pipe A and the exhaust manifold.
- Do not use the inpact wrench or hammer when the oxygen sensor is not to be removed.
- Reinstallation of oxygen sensor should be carried out after connecting the exhaust pipe A and the exhaust manifold.
- Do not tighten the connection with the inpact wrench if the oxygen sensor has not been removed.



- (cont'd) -

- 37. Attach a chain hoist to the engine block and raise the hoist just enough to remove slack from chain.
- 38. Remove the rear engine mount bolt, then remove the mount bracket.
- 39. Remove the front engine mount bolt.

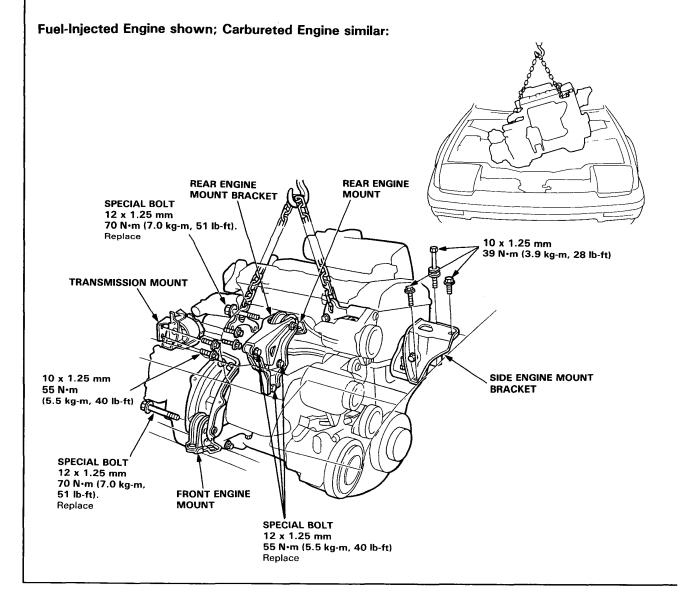
NOTE: Front and rear engine mount bolts are special bolts. Replace the bolts once they are loosened.

- 40. Remove the side engine mount bracket bolts.
- 41. Remove the transmission mount bolt.

- 42. Check that wires and tubes are completely removed from the engine, and lift the engine slowly with the chain.
- 43. Tilt the engine, then hoist it out of the engine compartment.

CAUTION: Use care to avoid damaging the body.

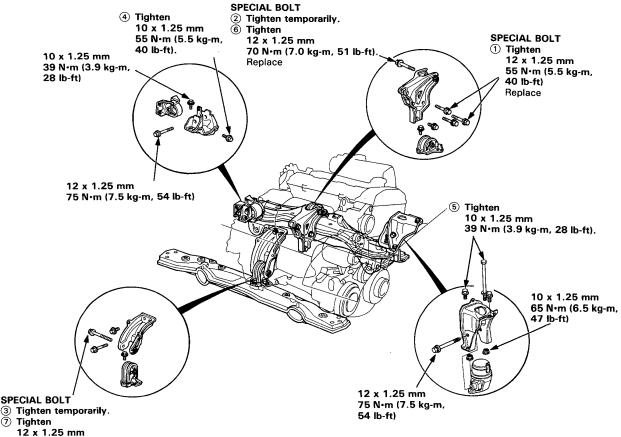
AWARNING Do not crawl under the car when hoisting the engine.





NOTE: For proper suppression of noise and vibration, and maximum bushing life, tighten the bolts in the sequence shown with the bushings centered in their mounts.

Fuel-Injected Engine shown; Carbureted Engine similar:



44. Install the engine in the reverse order of removal.

After the engine is in place:

70 N·m (7.0 kg-m, 51 lb-ft).

Replace

• Torque engine mount bolts in sequence shown.

CAUTION: Failure to tighten the bolts in the proper sequence can cause excessive noise and vibration, and reduce bushing life; check that the bushings are not twisted or offset.

 Check that the spring clip on the end of each driveshaft clicks into the differential.

CAUTION: Use new spring clips on installation.

• Bleed air from the cooling system at the bleed bolt with the heater valve open.

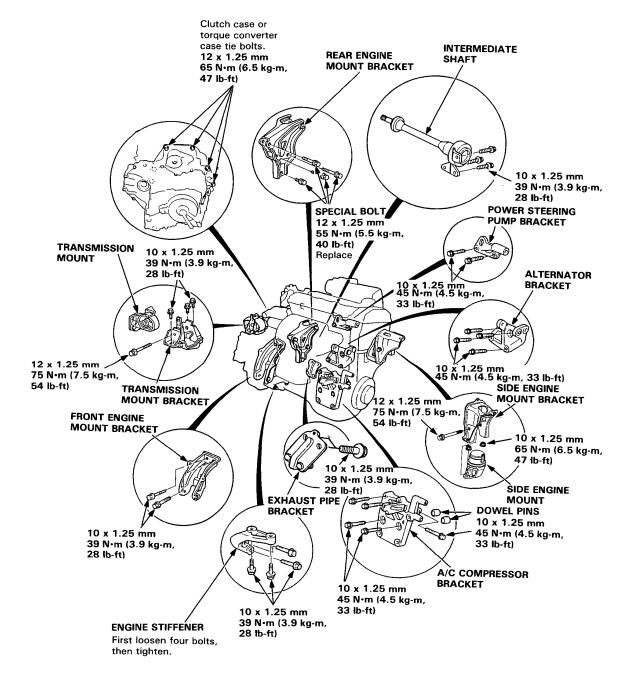
- Adjust the throttle cable tension.
- Adjust the alternator belt and power steering pump belt tension.
- Check the clutch pedal free play.
- Check that the transmission shifts into gear smoothly.
- Install the A/C compressor, connect the wiring and V-belt.
- Clean battery posts and cable terminals with sandpaper, assemble, then apply grease to prevent corrosion.

(cont'd)

(cont'd) -

NOTE: For proper suppression of noise and vibration, and maximum bushing life, tighten the bolts to the torque mentioned below.

Fuel-Injected Engine Shown; Carbureted Engine similar:





Subframe Torque Value Specifications:

