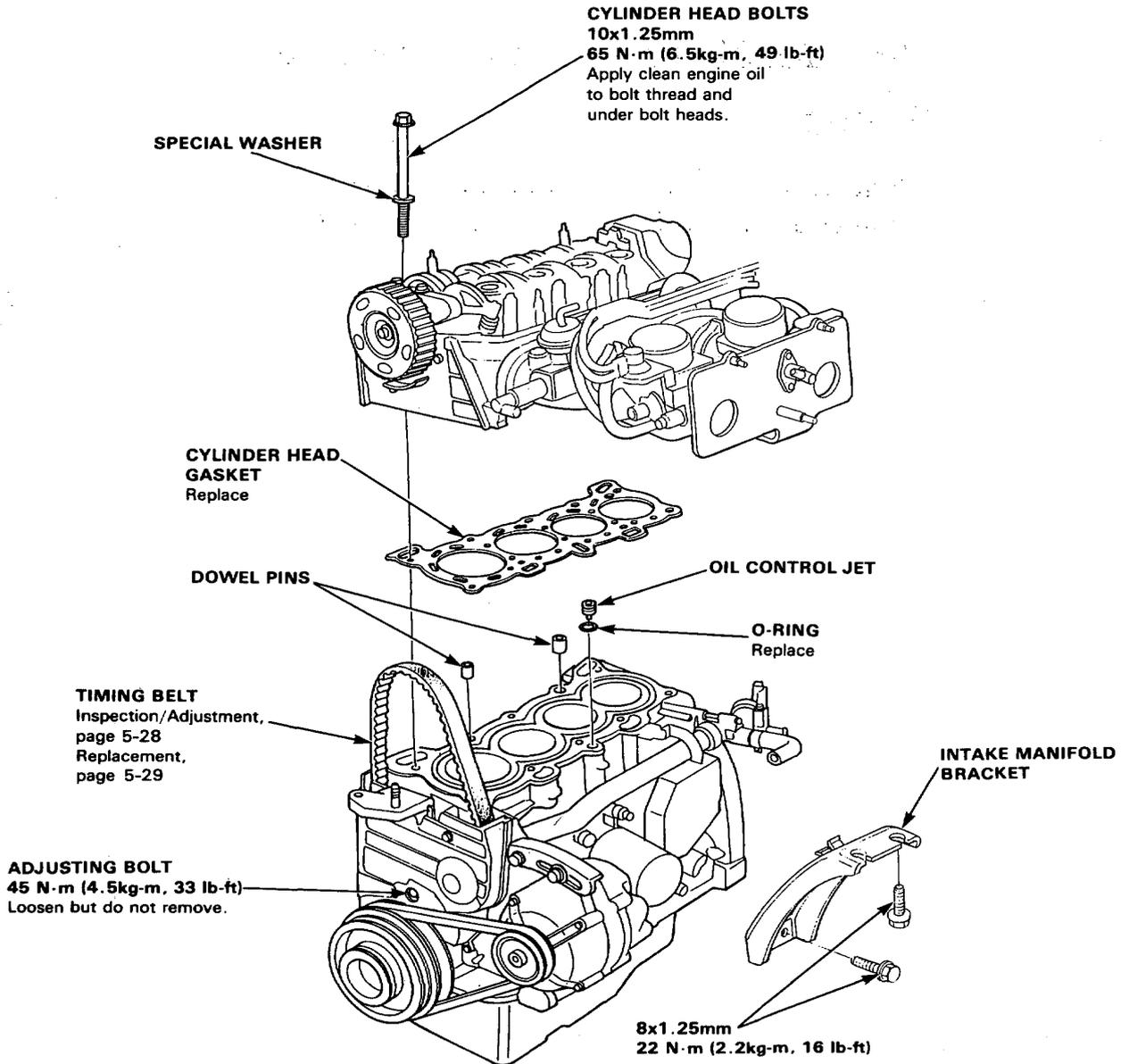


Cylinder Head

Removal (engine removal not required)

CAUTION : To avoid damaging the cylinder head, wait until the coolant temperature drops below 38°C (100°F) before removing it.

NOTE : Use new O-rings and gaskets when reassembling.





CAUTION : To avoid damaging the cylinder head, wait until the coolant temperature drops below 38°C (100°F) before loosening the retaining bolts.

NOTE :

- Inspect the timing belt before removing the cylinder head.
- Turn the crankshaft pulley so that the No. 1 cylinder is at top-dead-center.
- Mark all emissions tubes before disconnecting them.
- Be careful not to damage the cylinder head and engine block mating surface, and keep them clean.

1. Disconnect the negative terminal from the battery.
2. Drain the cooling system (See page 5-84).
3. Remove the brake booster vacuum hose from the brake booster.
4. Remove the engine secondary ground cable from the valve cover.
5. Remove the air cleaner cover and air cleaner (carbureted engine).

⚠ WARNING

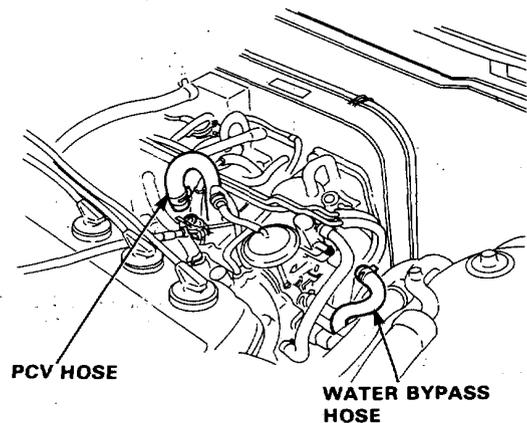
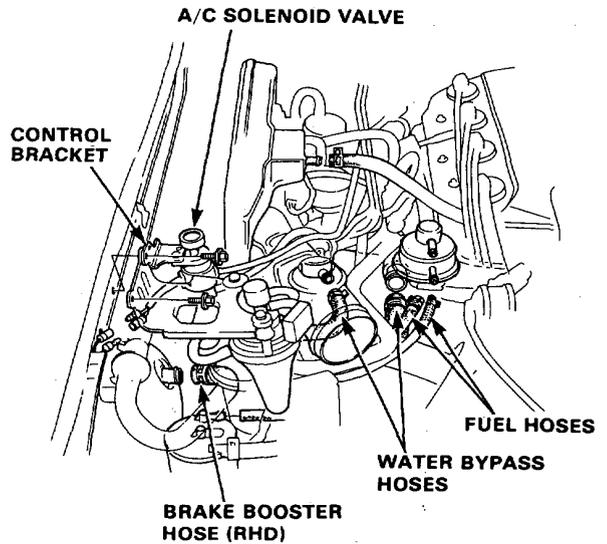
Do not smoke while working on fuel system, keep open flame or spark away from work area. Drain fuel only into an approved container.

6. Disconnect the fuel hose and fuel return hose.
7. Remove the air intake pipe and air cleaner pipe joint.
8. Disconnect the throttle cable at the throttle body (5-63 and 65).
9. Disconnect the throttle control cable at the throttle body (A/T only).

CAUTION: Be careful not to damage the throttle cable during engine removal. On installation, check the cable is not kinked or binding.

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.

10. Disconnect the charcoal canister hose at the throttle valve.
11. Disconnect the vacuum hose and the water bypass hoses from intake manifold and the throttle body.
12. Remove the PCV hose, charcoal canister hose and vacuum hose from intake manifold, and remove the vacuum hose from the brake booster.

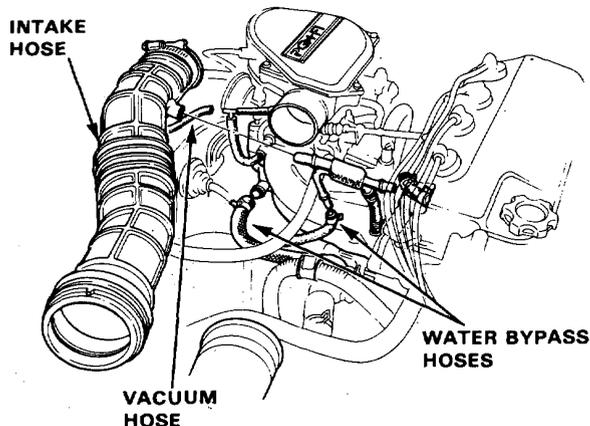


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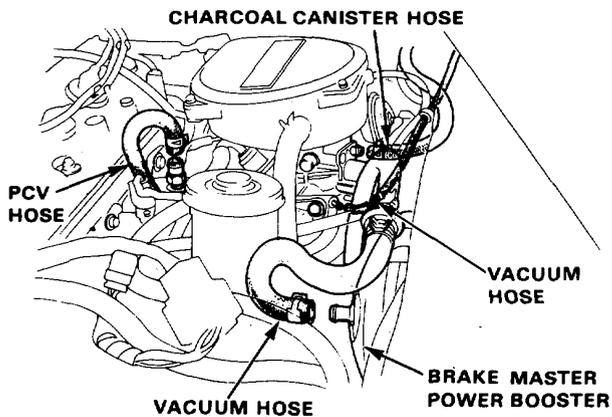
Cylinder Head

Removal (engine removal not required) (cont'd)

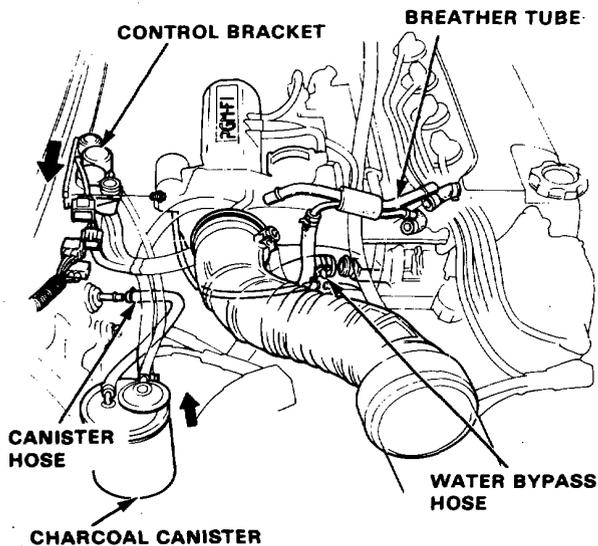
1.5 l PGM-FI Engine:



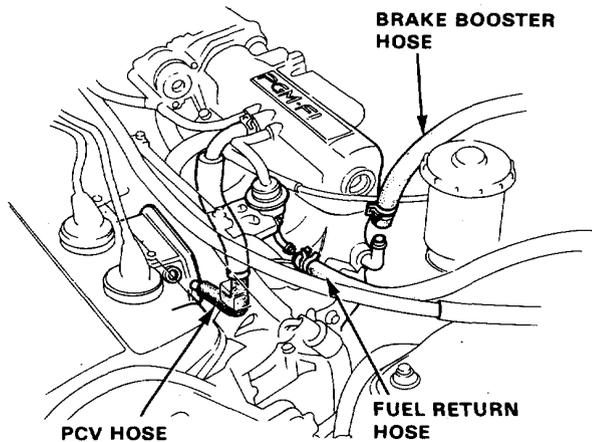
1.5 l PGM-FI Engine:



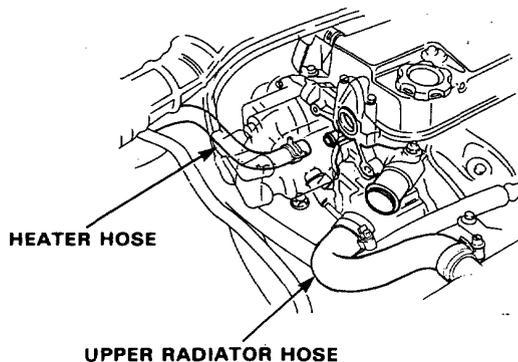
1.6 l PGM-FI Engine:



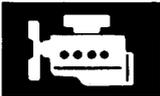
1.6 l PGM-FI Engine:



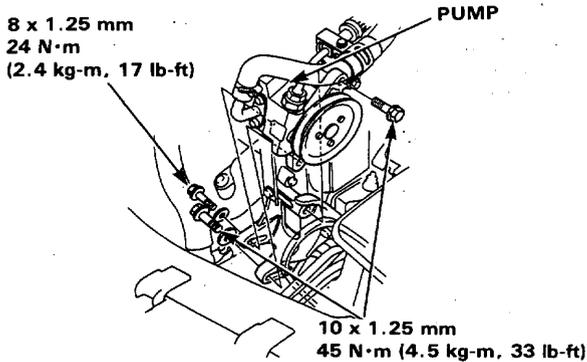
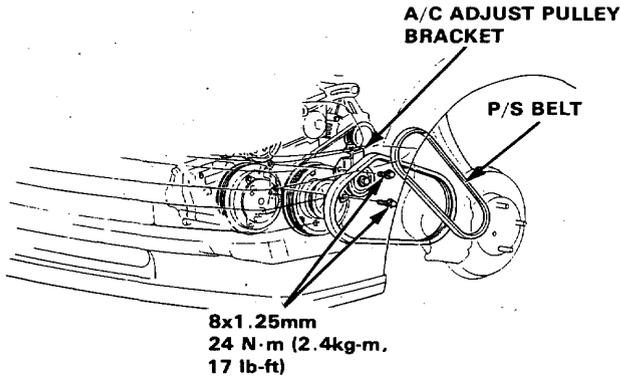
13. Remove the upper radiator hose and the heater hose from the cylinder head.



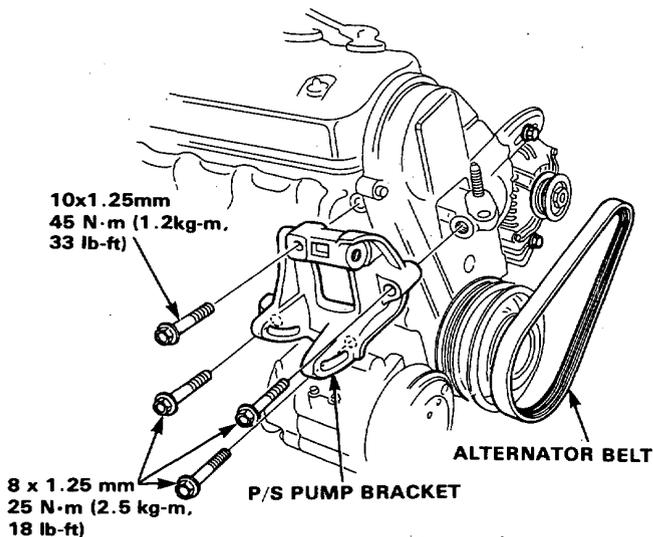
14. Disconnect the engine wire connectors and clamps from the cylinder head, throttle body, and IN/EX manifolds.
- Ignition coil connector (from distributor)
 - EACV connector
 - Engine ground wire
 - Thermostat connector
 - Coolant temperature sensor connector
 - Carburetor solenoid valve, inner bent solenoid valve connector (Carbureted)
 - Air leak solenoid valve connector (Carbureted)
 - L. carburetor solenoid valve connector (Carbureted)
 - TDC/CRANK sensor connector (from distributor)



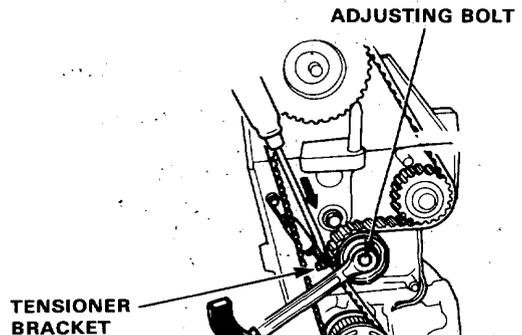
15. Remove the power steering belt.
16. Remove the power steering pump.
 - Do not disconnect the power steering hoses.



17. Remove the power steering bracket.
18. Remove the alternator belt.



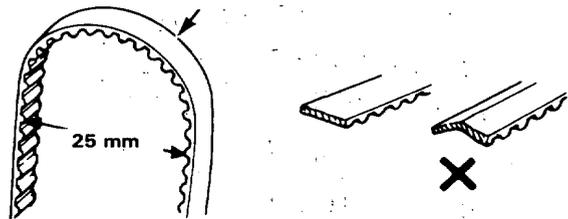
19. Jack-up and set the rigid rack.
20. Remove the L.tire and L.wheel.
21. Remove the L.wheel well splash shield.
22. Remove the intake manifold bracket.
23. Remove the exhaust manifold bracket, then remove the exhaust pipe A.



NOTE: Release the tensioner bracket with a screwdriver. Do not push the belt.

24. Remove the exhaust manifold shroud, then remove exhaust manifold.
25. Remove the distributor and valve cover.
26. Remove the timing belt upper cover..
27. Loosen the timing belt adjust bolt, then remove the timing belt from the camshaft pulley.

CAUTION: Do not crimp or bend timing belt more than 90° or less than 25 mm (1 in.) in diameter.



28. Remove the cylinder head.

CAUTION: Do not loosen one head bolt completely but loosen the bolts gradually from the outside diagonally.

29. Remove the intake manifold from the cylinder head.