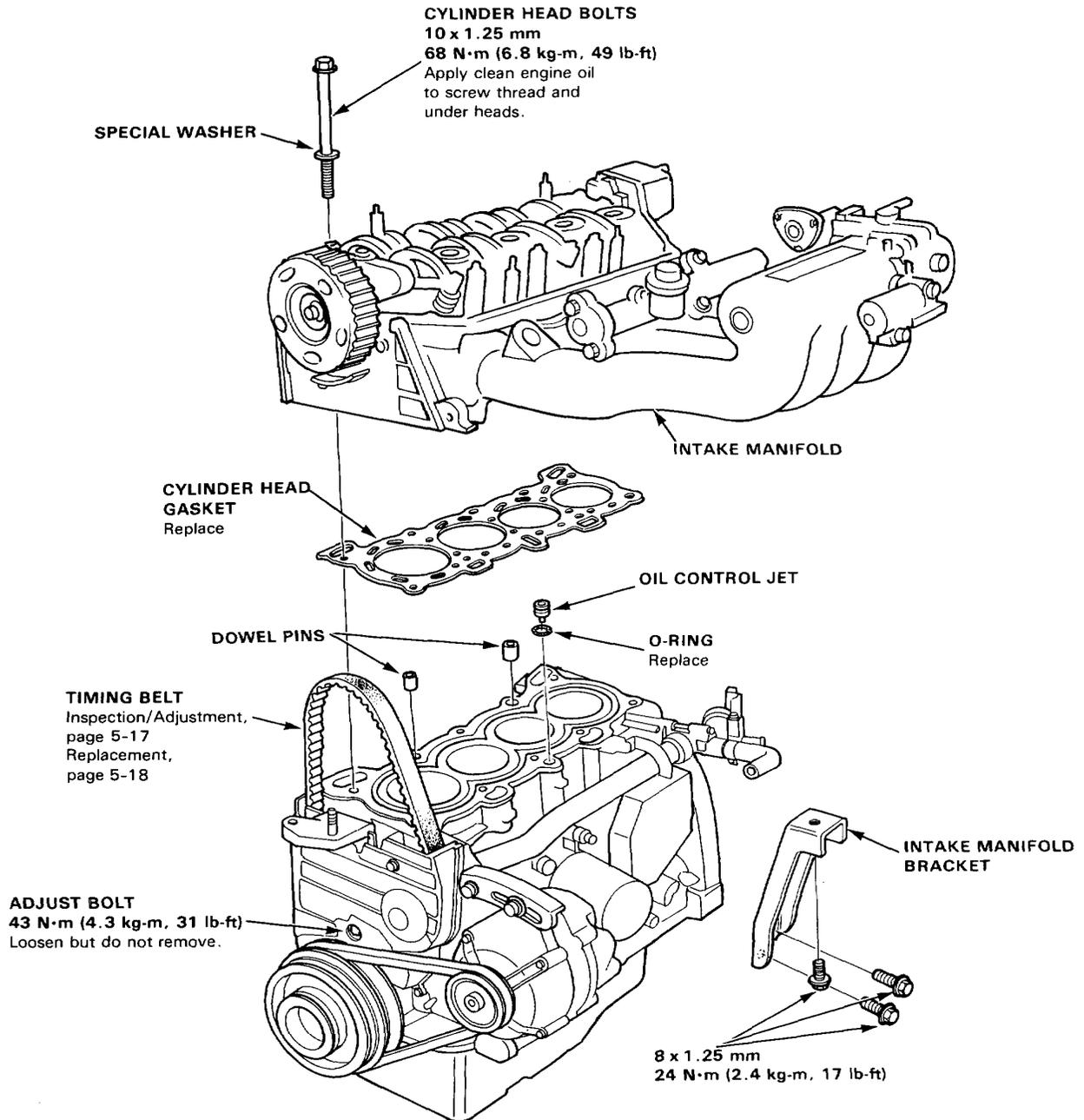


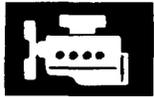
# Cylinder Head

## 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 whenever 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:**

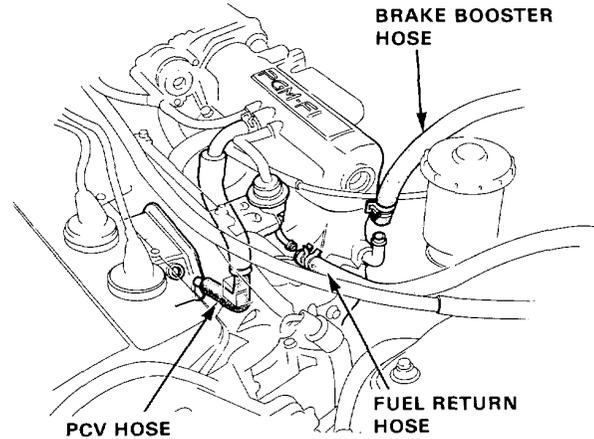
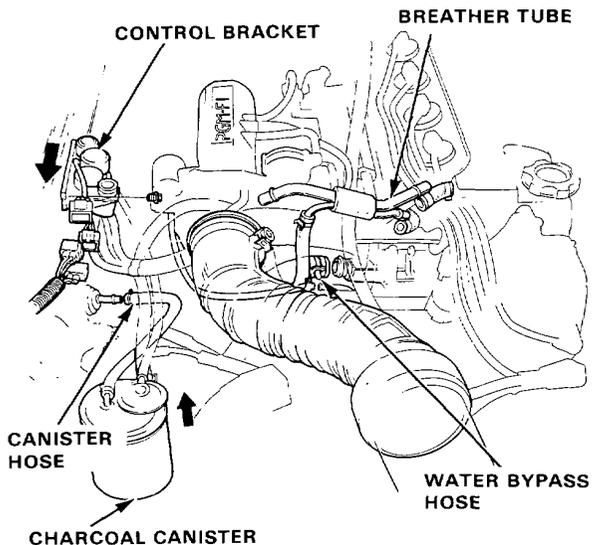
- Inspect the timing belt before removing the cylinder head.
- Turn the crankshaft pulley so that the No. 1 cylinder is at top-dead-center.
- Mark all emissions hoses before disconnecting them.

1. Disconnect the negative terminal from the battery.
2. Drain the cooling system (See page 5-59).
3. Remove the brake booster vacuum hose from the brake master power booster.
4. Remove the engine secondary ground cable from the valve cover.
5. Remove the air intake hose from the throttle body.
6. Relieve fuel pressure (See Section 6).

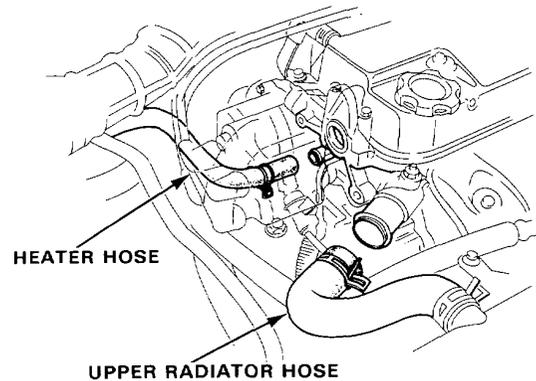
**WARNING** Do not smoke while working on fuel system, keep open flame or spark away from work area. Drain fuel only into an approved container.

Disconnect the fuel hose and fuel return hose. Remove the air intake hose and resonator hose. Disconnect the throttle cable at the throttle body (See Section 5).

7. Disconnect the charcoal canister hose at the throttle valve.
8. Disconnect the vacuum hoses and the water bypass hoses from intake manifold and the throttle body.
9. Remove the PCV hose, charcoal canister hose and vacuum hose from intake manifold, and remove the vacuum hose from the brake master power booster.



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

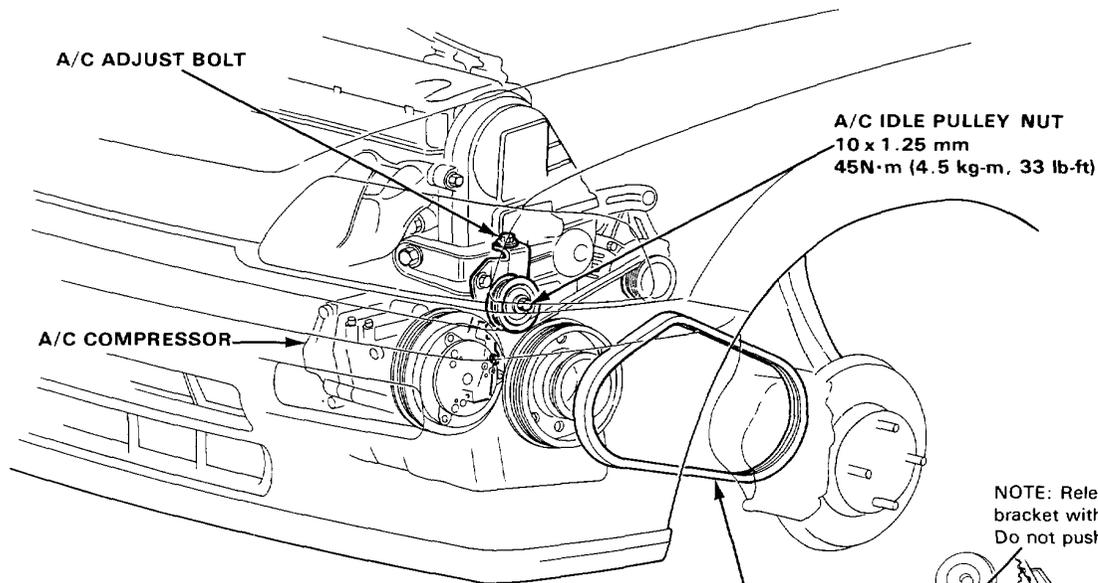


11. Disconnect the engine wire connectors and clamps from the cylinder head, throttle body, and IN/EX manifolds.
  - Ignition coil connector (from distributor)
  - EACV connector
  - Engine ground wire
  - Thermounit connector
  - Coolant temperature sensor connector
  - Intake air temperature sensor connector
  - Throttle angle sensor connector
  - Injection connectors
  - TDC/CRANK sensor connector (from distributor)

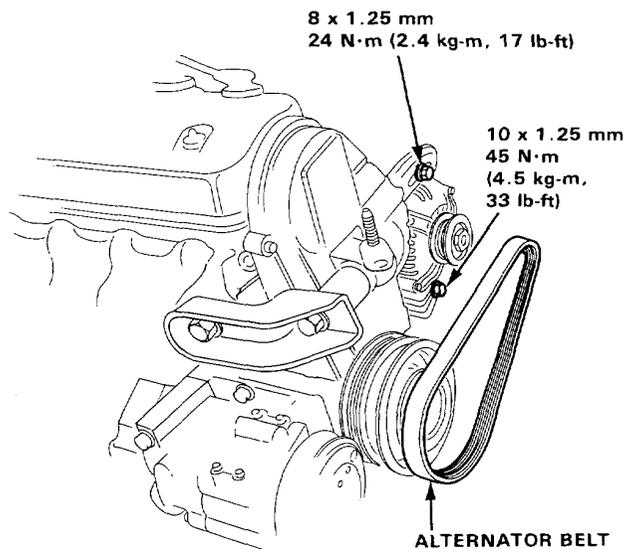
(cont'd)

# Cylinder Head

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

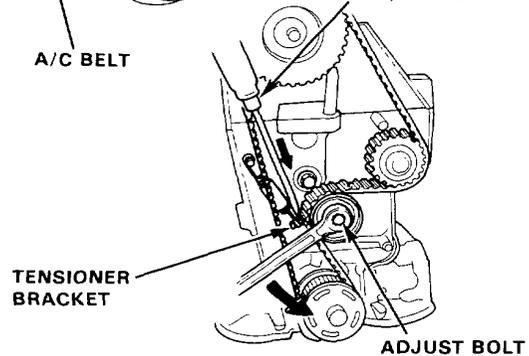


12. Remove the alternator belt.



13. Remove the intake manifold bracket.

14. Remove the exhaust manifold bracket, then remove the header pipe.



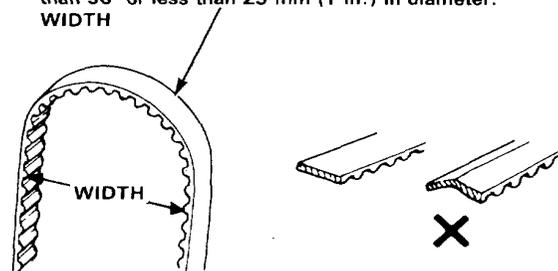
15. Remove the exhaust manifold shroud, then remove exhaust manifold.

16. Remove the distributor and valve cover.

17. Remove the timing belt upper cover.

18. 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. WIDTH**



19. Remove the cylinder head.

20. Remove the intake manifold from the cylinder head.