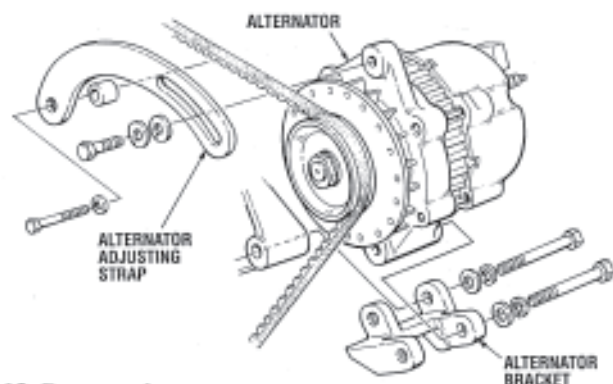
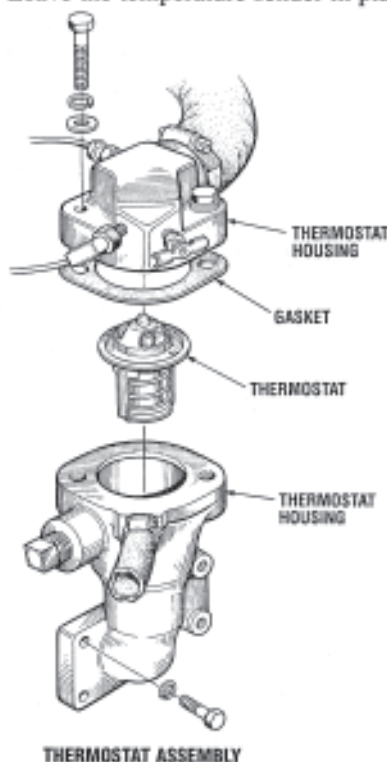


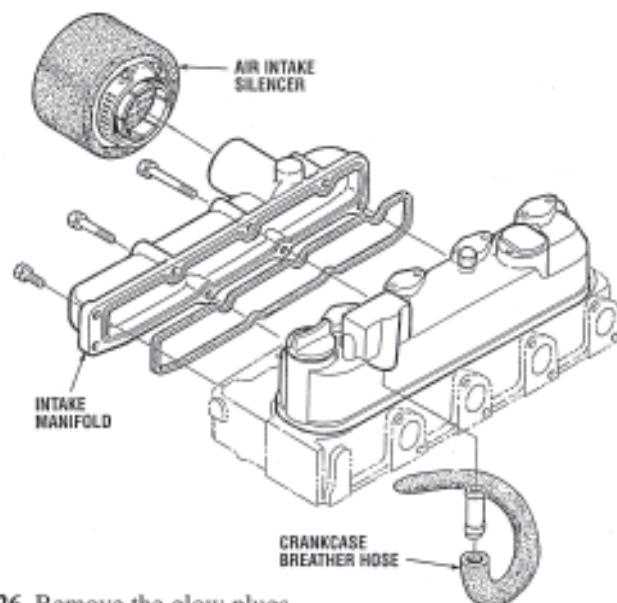
# ENGINE DISASSEMBLY & REASSEMBLY



13. Remove the raw water pump.
14. Remove all the high pressure injector lines from the injection pump to the injectors. Leave the upper line clamps in place.  
**NOTE:** Cap the ends of the lines, and the connections at the injection pump and at the injectors, to prevent entry of foreign material.
15. Remove the oil level dipstick.
16. Remove the oil filter/oil cooler assembly.
17. Remove the fuel line to the injection pump. (Note the arrangement of the sealing washers on the banjo bolts at the fuel filter and the injection pump.)
18. Remove the fuel return lines from the top of the injectors and from the fuel injection pump. (Note the washer arrangement on the fuel return line banjo bolts. Cap all openings on the fuel return line, injectors and injection pump.)
19. Remove the engine-mounted fuel filter and fuel filter bracket.
20. Remove the thermostat housing, gasket, and the thermostat. Leave the temperature sender in place.



21. Remove the air intake silencer.
22. Remove the front and rear lifting eyes.
23. Remove the intake manifold.
24. Remove the alternator bracket.
25. Remove the crankcase breather hose.

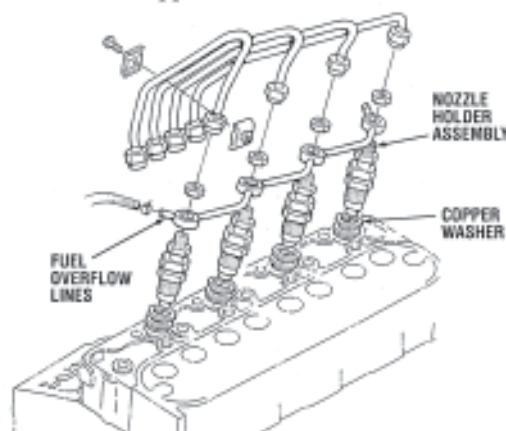


26. Remove the glow plugs.

## CYLINDER HEAD AND VALVES

### Nozzle Holder Assembly

1. Loosen the screws on the fuel injection line clamps.
2. Remove the injection lines.
3. Remove the fuel overflow lines.
4. Loosen the injector and unscrew it from the cylinder head.
5. Remove the copper washers on the seats.



6. Remove the nozzle heat seal.

**NOTE:** Use a Phillips screwdriver that has a diameter larger than the heat seal hole (0.25 in (6 mm)).

- a. Insert the screwdriver lightly into the heat seal hole.