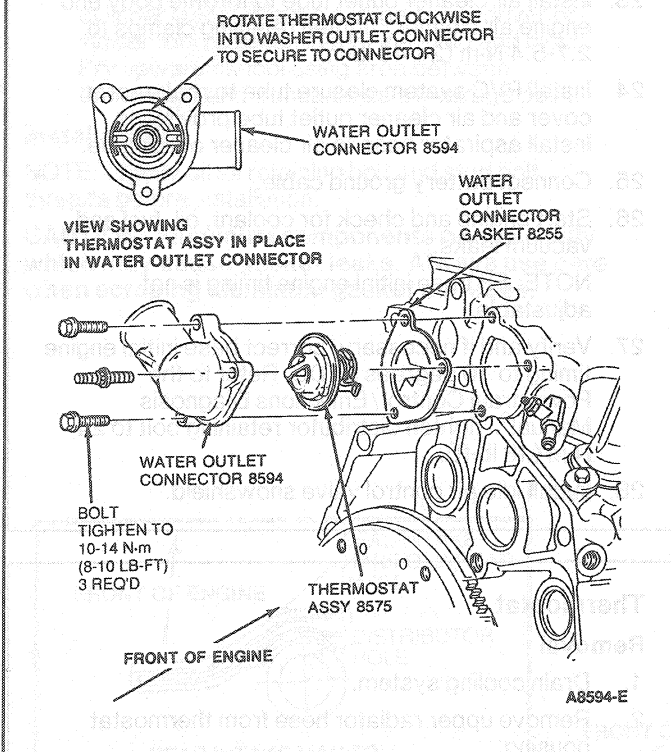


IN-VEHICLE SERVICE (Continued)

6. Start engine and check for coolant leaks.



Cylinder Heads

Removal

1. Rotate crankshaft to 0 degrees TDC on the compression stroke.
2. Disconnect battery ground cable and set aside.
3. Drain cooling system.
4. Remove air cleaner outlet tube to throttle body.
5. Mark and remove vacuum lines to throttle body.
6. Disconnect PFE or DPFE hose(s) from EGR tube, loosen lower EGR tube nut and rotate EGR valve to exhaust manifold tube away from valve.
7. Disconnect the IAT sensor (unleaded gasoline only), CSI (FF only), TP, IAC, and PFE or DPFE sensor electrical connectors.
WARNING: COVER VALVE WITH SHOP RAG TO PREVENT ACCIDENTAL FUEL SPRAY INTO EYES.
8. Relieve pressure at the fuel pressure relief Schrader valve. Refer to Section 03-04A.
9. Remove fuel line safety clips.
CAUTION: Cover fuel line ends with clean shop cloths to prevent dirt from entering opening.
10. Disconnect fuel lines as outlined. Refer to Section 03-04A.

11. Remove throttle body as outlined. Discard old gasket.
12. Disconnect fuel injector harness stand-offs from inboard rocker arm cover retaining studs and each injector and remove from engine.
NOTE: Injectors and fuel supply manifold may be removed with intake manifold as an assembly.
13. Remove fuel supply manifold and injectors.
14. With a twisting motion, remove ignition wires from spark plugs. Remove harnesses from rocker arm cover retaining studs.
15. Remove ignition coil and bracket from LH front cylinder head and set aside.
16. Disconnect upper radiator and heater hoses.
17. Remove distributor cap rubber boot (unleaded gasoline only).
18. On unleaded gasoline only, mark distributor housing to block, remove distributor cap and note rotor position.
19. On unleaded gasoline only, disconnect distributor ignition (DI) module electrical connector. Remove distributor assembly.
20. Disconnect engine coolant temperature (ECT) sensor and temperature sending unit electrical connectors.
21. If LH (front) cylinder head is being removed, perform the following:
 - Disconnect generator electrical connectors.
 - Using a 1/2-inch breaker bar, rotate 6K belt tensioner clockwise. Remove 6K belt.
 - Remove 6K automatic belt tensioner assembly.
 - Remove generator.
 - Remove power steering support bracket and pump as an assembly and set aside in a position to prevent fluid from leaking out.
 - Remove engine oil dipstick tube retaining nut from exhaust manifold stud. Rotate or remove tube from manifold.
22. If RH (rear) cylinder head is being removed, perform the following:
 - Remove generator belt tensioner bracket.
 - Remove heater supply tube retaining brackets from exhaust manifold (9431).
 - Remove vehicle speed sensor (VSS) (9E731) cable retaining bolt.
 - Remove EGR vacuum regulator (EVR) sensor (9D856) and bracket.
23. Remove rocker arm covers as outlined.
NOTE: Regardless of cylinder head removal order, the No. 3 cylinder intake valve push rod must be removed to allow removal of intake manifold.
24. Loosen rocker arm fulcrum retaining bolts enough to allow the rocker arm to be lifted off the push rod and rotated to one side.