

## IN-VEHICLE SERVICE (Continued)

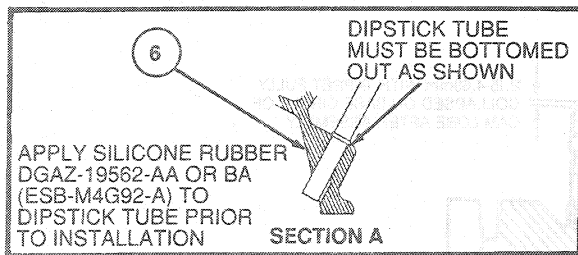
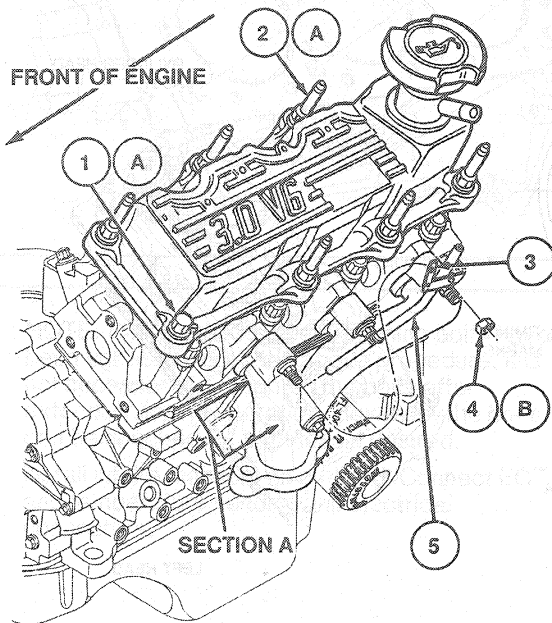
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8. Rotate crankshaft clockwise one full turn (360 degrees). Install rocker arms, fulcrums and retaining bolts 25 specified in position "A". Tighten bolts to 7-15 N·m (5-11 lb-ft) to seat fulcrums. Rotate crankshaft clockwise 120 degrees to position "B". Install rocker arms, fulcrums and retaining bolts as specified in camshaft position "B". Tighten bolts to 7-15 N·m (5-11 lb-ft).

**CAUTION: Fulcrums must be fully seated in cylinder head, and push rods must be seated in rocker arm sockets prior to final tightening.**

9. Final tighten retaining bolts to 26-38 N·m (19-28 lb-ft) with camshaft in any position.
10. Lubricate all rocker arm assemblies with Engine Assembly Lubricant D9AZ-19579-D (ESR-M99C80-A) or equivalent heavy engine oil.

NOTE: If the original valve train components are being installed, a valve clearance check is not required. If a component has been replaced, perform a valve clearance check. Refer to Section 03-00.



A9318-F

| Item | Part Number | Description                       |
|------|-------------|-----------------------------------|
| 1A   | —           | Bolt (2 Req'd)                    |
| 2A   | —           | Stud (6 Req'd)                    |
| 3    | —           | Harness Locating Tab              |
| 4B   | —           | Nut                               |
| 5    | 6754        | Dipstick Tube                     |
| 6    | 6010        | Cylinder Block Assy               |
| A    |             | Tighten to 10-14 N·m (8-10 Lb-Ft) |
| B    |             | Tighten to 18 N·m (13 Lb-Ft)      |

11. Install intake manifolds as outlined. Tighten retaining bolts to 25 N·m (19 lb-ft). Then install the inlet pipe retaining nuts. Tighten to 41 N·m (30 lb-ft).
12. Install spark plugs, if removed. Tighten to 7-15 N·m (5-11 lb-ft).
13. Position rocker arm cover on the cylinder head and install retaining bolts. Note the location of spark plug wire routing clip stud bolts.
14. Install fuel charging wiring to injectors and inboard rocker arm cover studs.
15. Install throttle body and new gasket.
16. Install ignition coil and bracket assembly. Tighten retaining bolts to 48 N·m (35 lb-ft).
17. Install distributor as outlined (unleaded gasoline only). Connect ignition wires to the spark plugs and stand-offs to rocker arm cover retaining studs. Connect DI module electrical connector.
18. Connect IAT sensor (unleaded gasoline only), CSI (FF only), TP, IAC, and PFE or DPFE sensor electrical connectors.
19. If LH (front) cylinder head was removed, perform the following:
- Install or rotate engine oil dipstick tube to exhaust manifold retaining stud. Tighten nut to 18 N·m (13 lb-ft).
  - Install power steering support bracket and pump assembly. Tighten retaining bolt to 48 N·m (35 lb-ft).
  - Install 6K automatic belt tensioner. Tighten retaining nuts / bolt to 48 N·m (35 lb-ft).
20. If RH (rear) cylinder head was removed, perform the following:
- Install generator belt tensioner bracket.
  - Install EVR sensor and bracket. Tighten retaining bolt to 35 N·m (26 lb-ft).
  - Install heater supply tube retaining brackets to exhaust manifold. Tighten retaining nuts 35 N·m (26 lb-ft).
  - Install VSS cable retaining bracket.
21. Install generator assembly. Tighten long retaining bolt to 48 N·m (35 lb-ft) and short bolt to 37 N·m (27 lb-ft).