

## IN-VEHICLE SERVICE (Continued)

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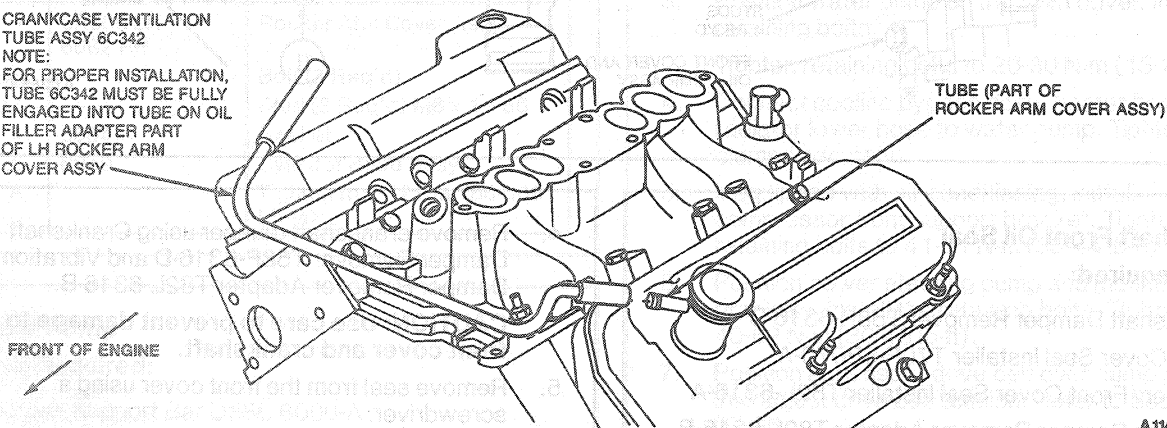
3. Lubricate seal surface on the damper with clean engine oil XO-10W30-QSP (ESE-M2C153-E) or equivalent.  
Install damper using Damper / Front Cover Seal Installer T82L-6316-A.
4. Install damper retaining bolt. Tighten to 140-180 N·m (103-132 lb-ft).
5. Position crankshaft pulley and install retaining bolts. Tighten bolts to 26-38 N·m (19-28 lb-ft).
6. Position accessory drive belt over crankshaft pulley.
7. Lower vehicle.
8. Check accessory drive belt for proper routing and engagement in the pulleys. Adjust drive belt to specification. Refer to Section 03-05.
9. Start engine and check for oil leaks.

## Upper and Lower Intake Manifolds

## Removal

1. Drain engine cooling system.
2. Remove air cleaner assembly including air intake duct and heat tube.
3. Disconnect accelerator cable at throttle body assembly. Disconnect speed control cable, if so equipped.
4. Disconnect the transaxle linkage at the upper intake manifold.
5. Remove retaining bolts from accelerator cable mounting bracket and position cables aside.
6. Disconnect Secondary Air Injection (AIR) air supply hose at the check valve.
7. Disconnect flexible fuel lines from steel lines over rocker arm cover.
8. Disconnect fuel lines at injector fuel rail assembly.
9. Disconnect radiator upper hose at thermostat housing.
10. Disconnect coolant bypass hose at intake manifold.
11. Disconnect heater tube at intake manifold. Remove tube support bracket retaining nut. Remove heater hose at rear of heater tube. Loosen hose clamp at heater elbow and remove heater tube with hose attached. Remove heater tube with fuel lines attached and set assembly aside.
12. Disconnect vacuum lines at fuel rail assembly and intake manifold.
13. Disconnect necessary electrical connectors.
14. If equipped with air conditioning, remove air compressor support bracket.
15. Disconnect PCV lines. One is located on upper intake manifold. The second is located at the LH rocker cover and the lower intake stud.

CRANKCASE VENTILATION  
TUBE ASSY 6C342  
NOTE:  
FOR PROPER INSTALLATION,  
TUBE 6C342 MUST BE FULLY  
ENGAGED INTO TUBE ON OIL  
FILLER ADAPTER PART  
OF LH ROCKER ARM  
COVER ASSY



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16. Remove throttle body assembly.
17. Remove the EGR valve assembly from the upper manifold.
18. Remove the retaining nut and remove wiring retainer bracket located at the LH front of the intake manifold and set aside with spark plug wires.
19. Remove intake manifold upper gasket (9H486) retaining bolts / studs.
20. Remove intake manifold upper gasket.
21. Remove injectors and fuel injection supply manifold (9F792) assembly.
22. Remove heater water outlet hose.