

IN-VEHICLE SERVICE (Continued)

Item	Part Number	Description
1	6A505 LH 6582 RH	Valve Rocker Arm Cover Assy
2A	—	Bolt (2 Req'd)
3	9424	Lower Intake Manifold
4	6049	Cylinder Head Assy

(Continued)

Item	Part Number	Description
5A	—	Stud (6 Req'd)
6	F1AZ-19562-A	Silicone Rubber (2 Places Each Side)
A		Tighten to 10-14 N·m (8-10 Lb·Ft)

TA8592F

Rocker Arm Cover Gasket

Replacement

1. Remove integral gasket by pulling from rocker cover gasket channel. Note bolt / stud locations before removing gasket as fasteners are secured by gasket.

2. Clean gasket channel with soft cloth to remove all dirt.

3. Using a suitable solvent, clean off any remaining RTV sealant.

CAUTION: Check gasket for correct installation. New gasket will lay flat to the rocker cover in both the channel and fastener areas. If the gasket is installed incorrectly, oil leakage will occur.

4. Aligning fastener holes, lay new gasket onto channel and install with finger.
5. Install gasket to each fastener by securing fastener head with a nut driver or socket. Seat fastener against cover and, at the same time, roll gasket around fastener collar. If installed correctly, all fasteners will be secured by gasket and will not fall out.

8. Disconnect IAT and distributor connectors (unleaded gasoline only). Disconnect CSI and camshaft sensor connectors (FF only). On either model, disconnect TP, IAC, ECT, ignition coil, coolant temperature sending unit and PFE or DPFE sensor electrical connectors.
9. Disconnect upper radiator hose from thermostat housing. After loosening retaining clamp, use a twisting motion on hose to loosen from housing.
10. Remove brace spanning from generator bracket to throttle body stud.
11. Remove throttle body as outlined in this section.
12. Loosen EGR tube retaining nut and remove from EGR valve to exhaust manifold tube from exhaust manifold.
13. Disconnect fuel injector harness retaining stand offs from inboard rocker arm cover studs. Carefully disconnect electrical connections to each injector and remove fuel charging wiring from engine.
14. Disconnect heater hoses.
15. Remove ignition wires from spark plugs using a twisting motion on rubber boot. Remove harness retaining stand offs from rocker arm cover studs.

CAUTION: DO NOT remove or disturb the camshaft sensor during the disassembly process. On 3.0L FF the camshaft sensor position is NOT adjustable and requires specialized tools to correctly index to camshaft position.

16. On unleaded gasoline only, mark distributor housing to block and note rotor position. Remove distributor retaining bolt and washer. Remove distributor.
 17. Remove ignition coil from rear of LH cylinder head.
 18. Remove rocker arm covers as outlined.
 19. Loosen cylinder No. 3 intake valve rocker arm retaining nut and rotate arm off of push rod and away from top of valve stem. Remove push rod.
- NOTE: Intake manifold assembly may be removed with fuel supply manifold and injectors in place.

Intake Manifold

Removal

1. Disconnect battery ground cable and set aside.
2. Drain engine cooling system.
3. Remove PCV system closure tube from rocker arm cover and air cleaner outlet tube.
4. Remove aspirator hose from air cleaner outlet tube. Remove engine air cleaner from throttle body and air cleaner outlet tube.

WARNING: COVER VALVE WITH SHOP CLOTH TO PREVENT ACCIDENTAL FUEL SPRAY INTO EYES.

5. Carefully relieve fuel system pressure at fuel pressure relief Schrader valve. Refer to Section 10-01.
6. Remove fuel line clips. Disconnect fuel lines as outlined.
7. Mark locations of vacuum lines and remove.