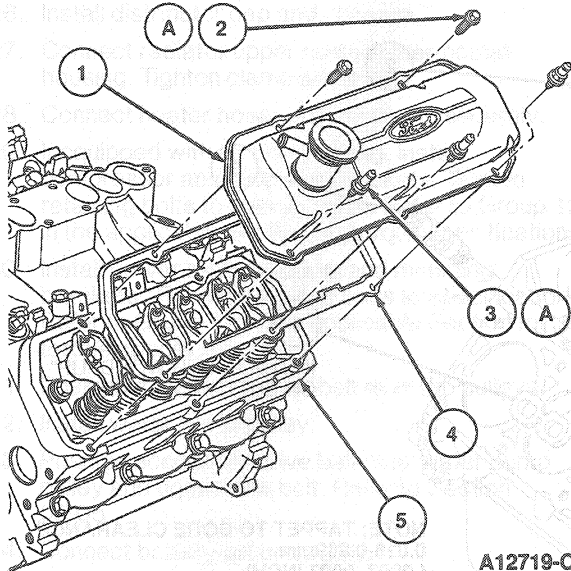


IN-VEHICLE SERVICE (Continued)

5. If RH rocker arm cover is being installed perform the following:
 - Install PCV valve
 - Install air cleaner assembly
6. Install spark plug wire routing clips.
7. Connect secondary wires to spark plugs.
8. Start engine and check for oil leaks.



A12719-C

Item	Part Number	Description
1	6A505 LH 6582 RH	Rocker Arm Cover Assy
2A	—	Bolt (2 Req'd)
3A	—	Stud (3 Req'd) M6 x 1 x 55.1
4	6584	Gasket
5	6049	Cylinder Head Assy
A		Tighten to 9-12 N·m (80-106 Lb·In)

Water Pump**Tools Required:**

- Engine Support Bar D88L-6000-A

Removal

1. Drain cooling system.
2. Raise and support engine using Engine Support Bar D88L-6000-A or equivalent.
3. Remove lower nut on both RH engine mounts.
4. Raise engine.
5. Loosen accessory drive belt idler. Remove drive belt and water pump pulley.

6. Remove power steering pump mounting bracket retaining bolts.
Leaving hoses connected, place pump / bracket assembly aside in a position to prevent fluid from leaking out.
7. If equipped with air conditioning, remove the compressor front support bracket. Leave compressor in place.
8. Disconnect coolant bypass hose at water pump.
9. Disconnect heater hose at water pump.
CAUTION: If using a prying device to assist in water pump removal, be careful not to damage the mating surfaces.
10. Remove water pump retaining bolts and pump. Discard old gasket.

Installation

NOTE: Lightly oil all bolt and stud bolt threads before installation except those specifying special sealant.

1. Clean gasket surfaces on water pump and front cover.
2. Position a new gasket on water pump sealing surface.

Gasket and Trim Adhesive D7AZ-19B508-B (ESR-M11P17-A and ESE-M2G52-A) or equivalent is recommended to hold the gasket in position.

NOTE: The threads of the No. 1 front cover retaining stud must be coated with Pipe Sealant with Teflon® D8AZ-19554-A (ESG-M4G194-A and ESR-M18P7-A) or equivalent before installing.

3. Position water pump on the front cover. Install retaining bolts.
Tighten retaining bolts to 20-30 N·m (15-22 lb-ft).
4. Connect cooling bypass hose, heater hose and radiator lower hose to water pump. Tighten clamps securely.
5. If equipped with air conditioning, install compressor front support bracket. Tighten retaining bolts to 41-61 N·m (30-44 lb-ft).
6. Position power steering pump and mounting brackets. Install the retaining bolts. Tighten to 40-62 N·m (30-45 lb-ft).
7. Position accessory drive belt over pump pulley and adjust drive belt tension. Refer to Section 03-05.
CAUTION: This engine has aluminum cylinder heads and requires a special corrosion inhibiting coolant to avoid cooling system damage. Refer to Section 03-03 for the coolant specifications.
8. Fill cooling system with specified coolant.