

## IN-VEHICLE SERVICE (Continued)

25. Remove push rods. Identify the position of each rod. The rods should be installed in their original position during assembly.
26. Remove intake manifold as outlined in this section.
27. Remove spark plugs.
28. Remove exhaust manifolds as outlined in this section.
29. Remove cylinder head retaining bolts and discard.
30. Remove cylinder head(s).
31. Remove and discard the old cylinder head gasket(s).

**Installation**

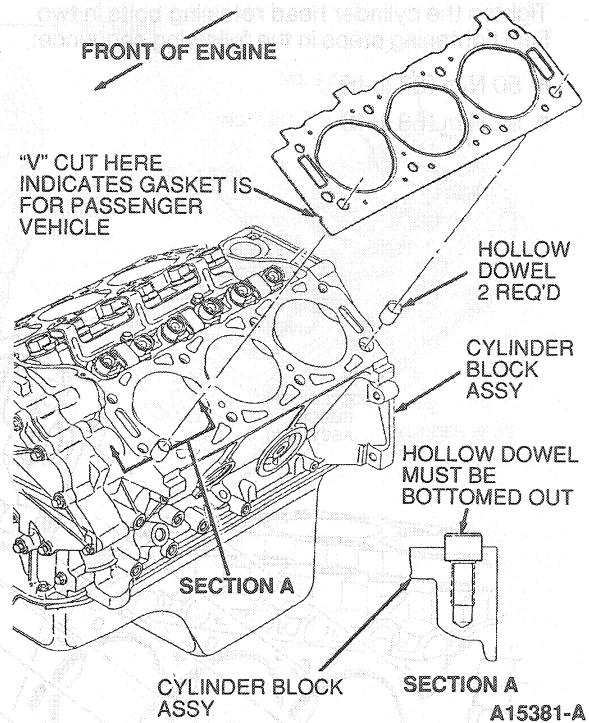
**CAUTION:** Always use new cylinder head bolts when installing cylinder head.

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

**CAUTION:** Use care when scraping aluminum surfaces to prevent gouging which may cause leak paths.

1. Place shop cloth in lifter valley to catch any dirt or gasket material. Clean cylinder head, intake manifold, rocker arm cover and cylinder head gasket surfaces. If the cylinder head was removed for a cylinder head gasket replacement, check the flatness of the cylinder head and block gasket surfaces. Refer to Section 03-00.
2. Position new head gasket(s), noting UP designation on gasket face, on cylinder block using the dowels for alignment.

**NOTE:** Replace dowels if damaged.



3. Position cylinder head(s) on block over dowels.
4. Install new cylinder head retaining bolts. Tighten retaining bolts in sequence shown to 80 N-m (59 lb-ft), then back off bolts 360 degrees.