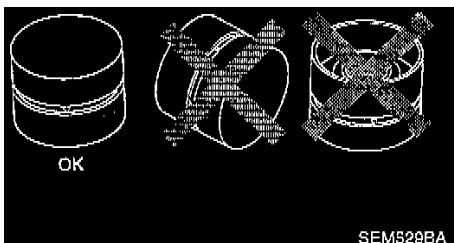


Cylinder Head Assembly: Service and Repair

Removal

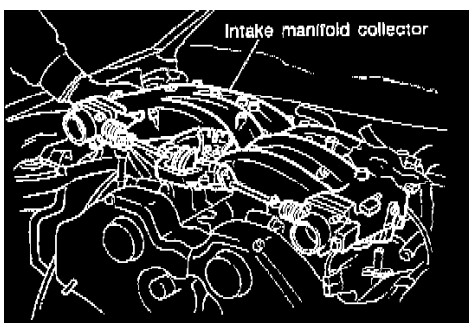
Caution:

- When installing camshafts, camshaft bracket, oil seals, or other sliding parts, lubricate contacting surfaces with new engine oil.
- Apply new engine oil to threads and seat surfaces when installing cylinder head, camshaft sprocket, and camshaft bracket.

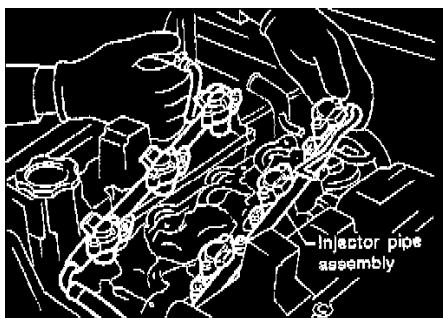


- Do not put Hydraulic Lash Adjusters (HLA) upside down, otherwise air will enter HLA, causing it to make a noise.
- Do not disassemble HLA.
- Attach tags to HLA so as not to mix them up.
- HLA should be immersed in engine oil.

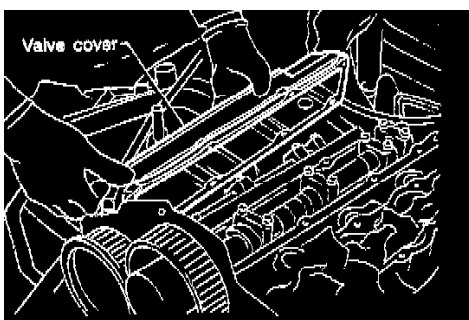
Removal:



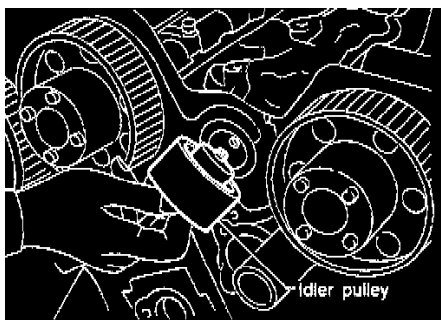
1. Remove intake manifold collector.



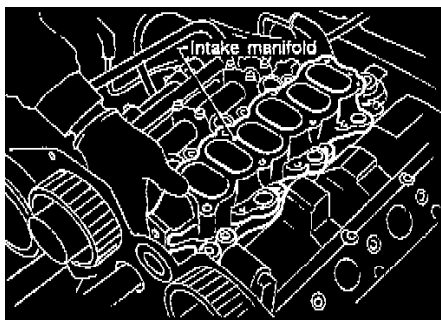
2. Remove injector pipe assembly.



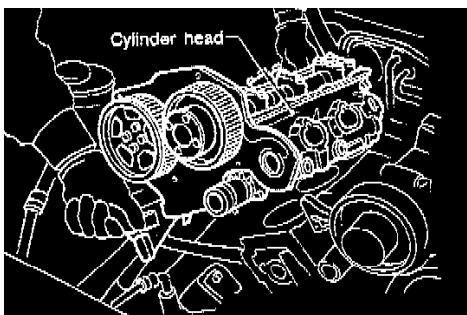
3. Remove valve covers.
4. Remove timing belt.



5. Remove idler pulley and its stud bolt.



6. Remove intake manifold.
7. Disconnect front exhaust tube from exhaust manifold.



8. Remove cylinder head with exhaust manifold.

Note: Cylinder head bolts should be loosened in two or three steps.