

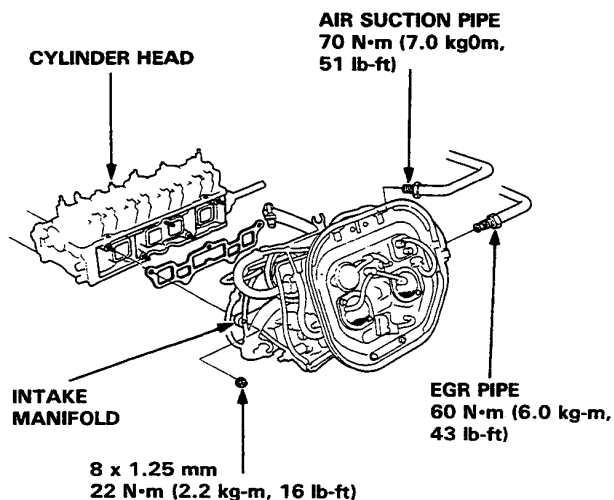
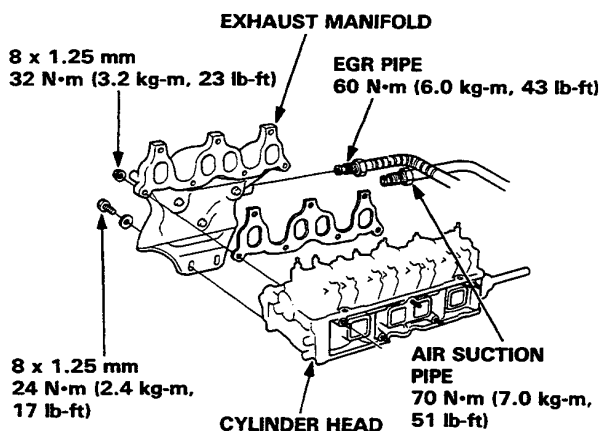
Cylinder Head

Installation

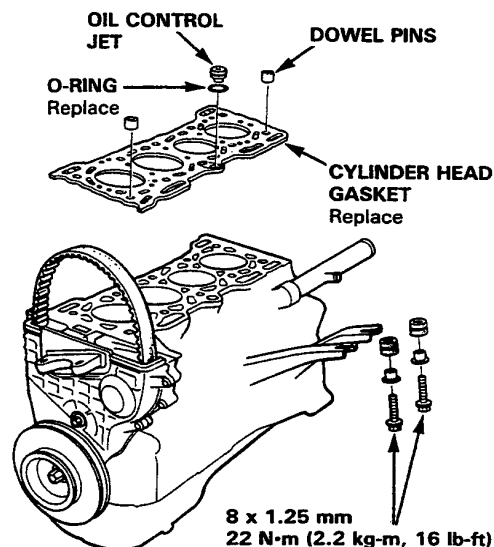
1. Install the cylinder head in reverse order of removal:

- Always use a new head gasket.
- Cylinder head and engine block surface must be clean.
- "UP" mark on timing belt pulley should be at the top.

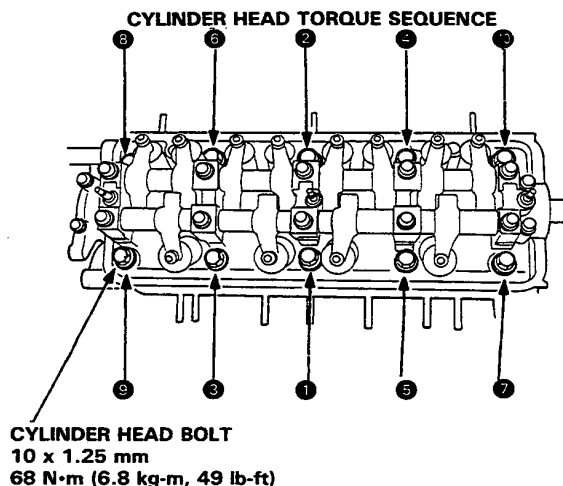
2. Install the intake and exhaust manifolds and tighten the nuts in a criss-cross pattern in 2 or 3 steps, beginning with the inner nuts.



3. Cylinder head dowel pins and oil control jet must be aligned.



4. Install the bolts that secure the intake manifold to its bracket but do not tighten them yet.
5. Position the cam correctly (page 5-32).
6. Tighten cylinder head bolts in two steps. In the first step tighten all bolts and nuts, in sequence, to about 30 N·m (3.0 kg-m, 22 lb-ft); in the final step tighten, in same sequence, to 68 N·m (6.8 kg-m, 49 lb-ft).



7. Install the header pipe on the exhaust manifold. Tighten the bolts for the intake manifold bracket.
8. Install the header pipe on its bracket.
9. After the installation, check that the tubes, hoses and connectors are installed correctly.
10. Adjust the valve timing (page 5-9).