

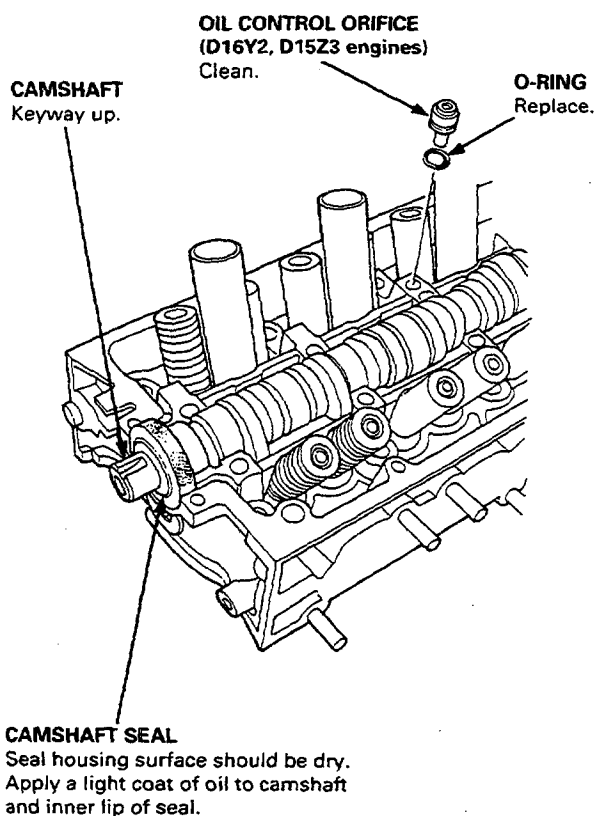
Camshaft/Rocker Arms and Camshaft Seal/Pulley


Installation

CAUTION:

- Make sure that all rockers are in alignment with valves when torquing rocker assembly bolts.
- Valve locknuts should be loosened and adjusting screws backed off before installation.
- To prevent rocker arm assembly from coming apart, leave camshaft holder bolts in the holes.

1. After wiping down the camshaft, camshaft seal and journals in the cylinder head, lubricate both surfaces and install the camshaft.
2. Clean and install the oil control orifice with a new O-ring (D16Y2, D15Z3 engines).

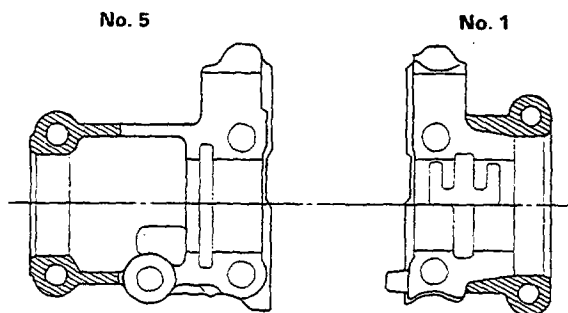


 Lubricate cam lobes after reassembly.

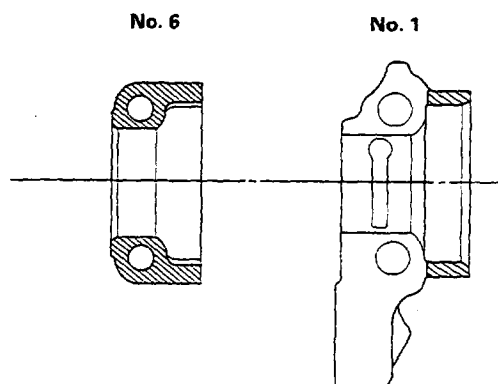
3. Turn the camshaft until its keyway is facing up.
(No. 1 piston TDC).

4. Apply liquid gasket to the head mating surfaces of the No. 1 and No. 5 or No. 6 camshaft holders.
— Apply liquid gasket to the shaded areas.

D16Y2, D15Z3 engines:



D16Y3, D14A2 engines:



5. Set the rocker arm assembly in place and loosely install the bolts.
— Make sure that the rocker arms are properly positioned on the valve stems.



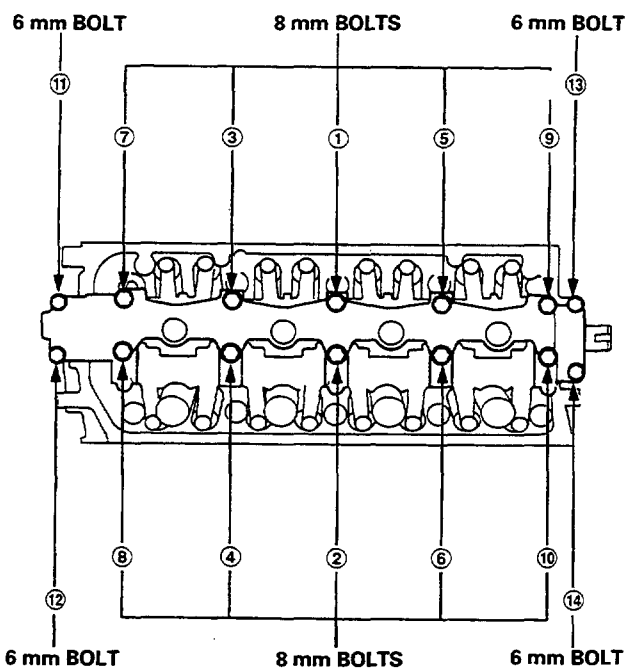
6. Tighten each bolt two turns at a time in the sequence shown below to ensure that the rockers do not bind on the valves.

Specified torque:

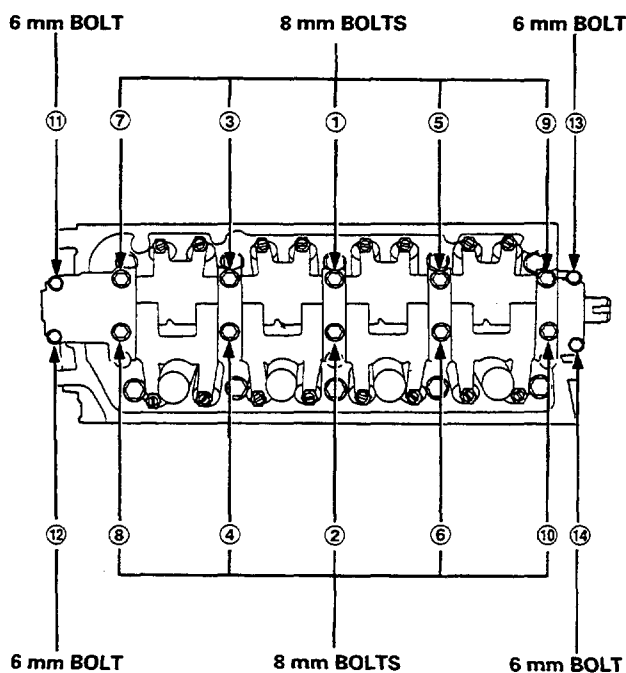
8 mm bolts: 22 N-m (2.2 kgf-m, 16 lbf-ft)

6 mm bolts: 12 N-m (1.2 kgf-m, 8.7 lbf-ft)

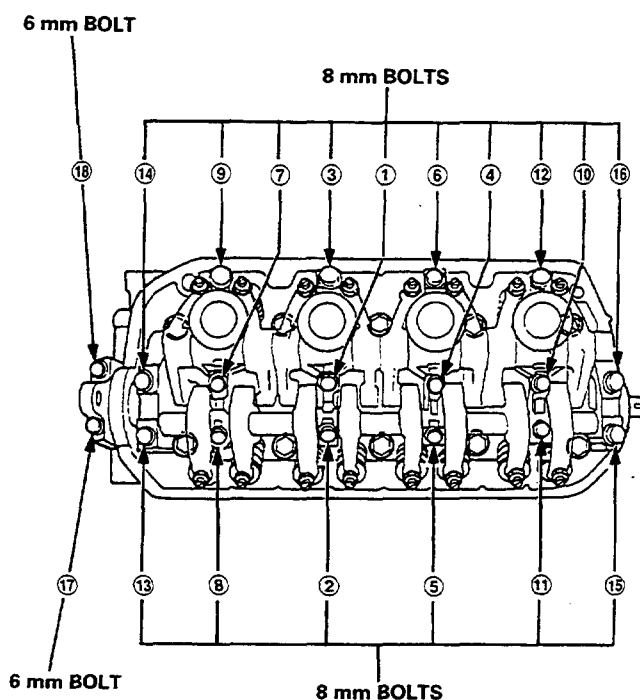
D16Y2 engine:



D15Z3 engine:



D16Y3, D14A2 engines:



7. Install the back cover.
8. Install the key and the camshaft pulley onto the camshaft, then tighten the retaining bolt to the torque shown.

