

Measure the shim thickness and record it.

NOTE:

Sixty-five different thickness shims are available from the thinnest 1.200 mm thickness shim to the thickest 2.800 mm thickness shim in intervals of 0.025 mm.

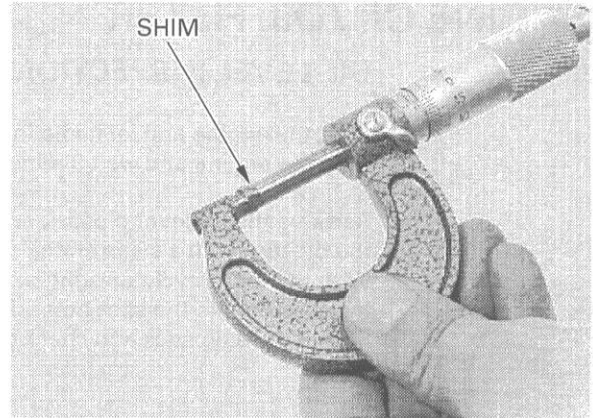
Calculate the new shim thickness using the equation below.

$$A = (B - C) + D$$

- A: New shim thickness
- B: Recorded valve clearance
- C: Specified valve clearance
- D: Old shim thickness

NOTE:

- Make sure of the correct shim thickness by measuring the shim by micrometer.
- Reface the valve seat if carbon deposit result in a calculated dimension of over 2.800 mm.



Install the shims and valve lifters in their original locations.

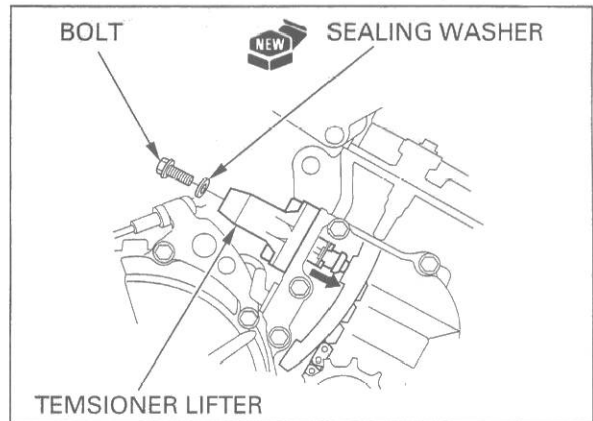
Install the newly selected shim on the valve retainer.
Apply molybdenum disulfide oil to the valve lifters.
Install the valve lifters into the valve lifter holes.

Install the camshaft (page 8-20).

Rotate the camshafts by rotating the crankshaft clockwise several times.
Recheck the valve clearance.

Remove the cam chain tensioner stopper tool.

Install the new sealing washer and cam chain tensioner sealing bolt.
Tighten the bolt securely.



Check that the timing hole cap O-ring is in good condition, replace if necessary.
Apply grease to the timing hole cap threads.
Install and tighten the timing hole cap to the specified torque.

TORQUE: 18 N·m (1.8 kgf·m , 13 lbf·ft)

Install the removed parts in the reverse order of removal.

