

MAINTENANCE

Sixty-nine different thickness shims are available from the thinnest 1.200 mm thickness shim to the thickest 2.900 mm thickness shim in intervals of 0.025 mm.

Calculate the new shim thickness using the equation below.

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

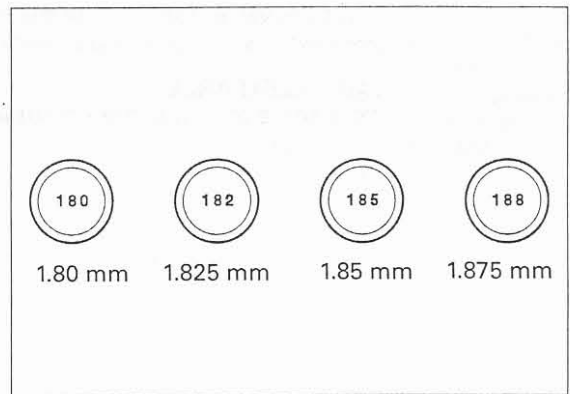
A: New shim thickness

B: Recorded valve clearance

C: Specified valve clearance

D: Old shim thickness

- 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 2.900 mm.



Install the shims and valve lifters in their original locations

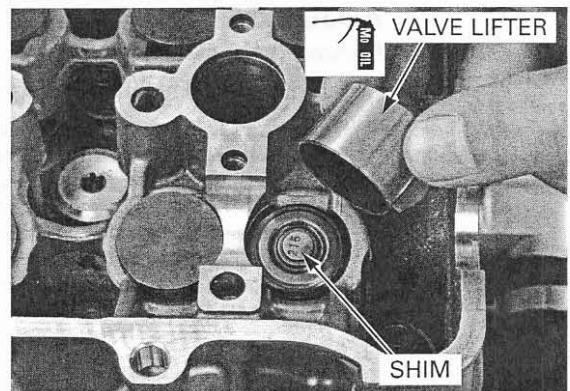
Install the newly selected shim on the valve spring retainer.

Apply molybdenum disulfide oil to the valve lifters. Install the valve lifters into the valve lifter holes.

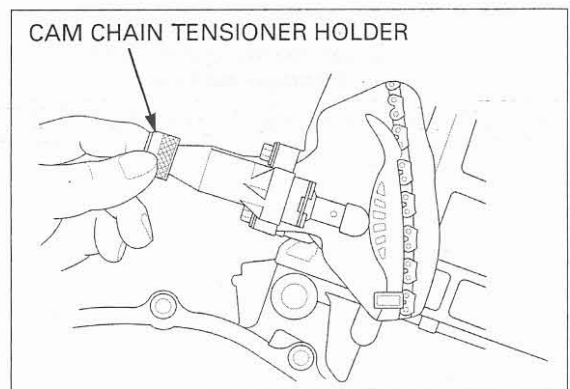
Install the camshafts (page 9-26).

Rotate the camshafts by rotating the crankshaft clockwise several times.

Recheck the valve clearance.



Remove the cam chain tensioner holder tool.



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

