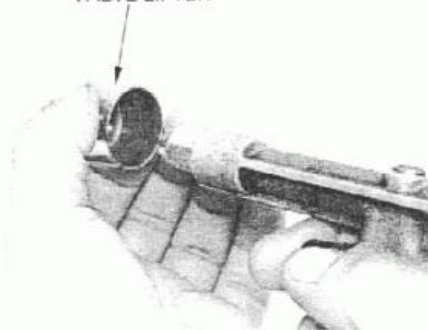


Clean the valve shim contact area in the valve lifter with compressed air.

VALVE LIFTER



Measure the shim thickness and record it.

NOTE:

Sixty-five different shim thicknesses are available from 1.200 mm to 2.800 mm in intervals of 0.025 mm.

Calculate the new shim thickness using the equation below.

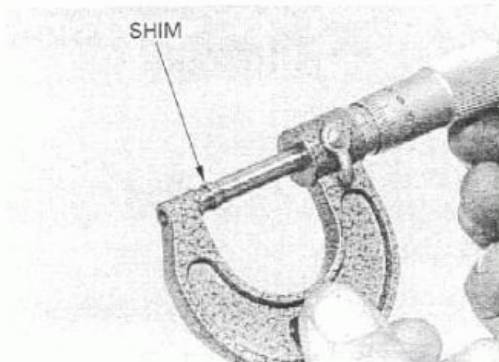
$$A = (B - C) + D$$

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

NOTE:

- Verify the correct shim thickness by measuring the shim with a micrometer.
- Reface the valve seat if carbon deposits result in a calculated dimension of over 2.800 mm.

SHIM



1.80 mm



1.825 mm



1.85 mm



1.875 mm

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 bores.

NOTE:

Install the shims and valve lifters in their original locations.

Install the camshaft (page 8 23).

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

STOPPER TOOL

