

CYLINDER HEAD/VALVES

Be sure the dowel pins in the camshaft holder align the holes in the cylinder head.

Install the each camshaft holder to the correct locations with the identification marks.

- No mark: right camshaft holder
- "R" mark: center camshaft holder
- "L" mark: left camshaft holder

Apply engine oil to the threads and seating surfaces of the camshaft holder bolts.

Install the twenty holder bolts with the eight sealing washers.

Finger tighten the bolts.

First gradually tighten the four bolts (No.5 – No.6 – No.7 – No.8) in the numerical order cast on the camshaft holders.

Gradually tighten the other camshaft holder bolts until the camshaft holders lightly contact the cylinder head surface.

NOTICE

Failure to tighten the camshaft holder in a criss-cross pattern might cause a camshaft holder to break.

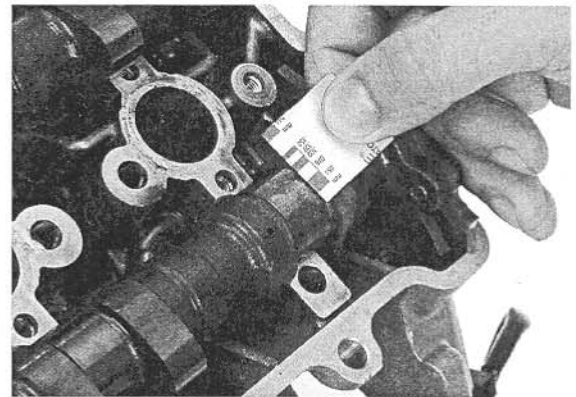
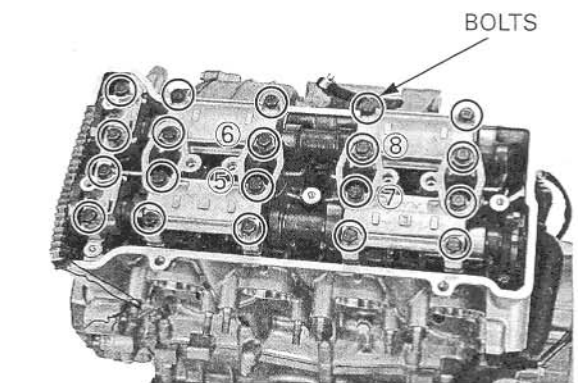
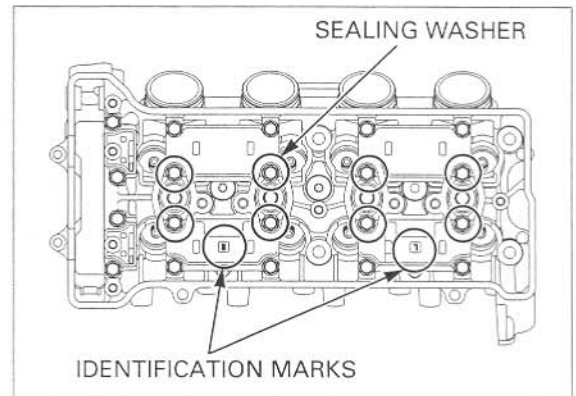
Tighten all camshaft holder bolts in the numerical order casted on the camshaft holders.

TORQUE: 12 N·m (1.2 kgf·m, 9 lbf·ft)

Remove the camshaft holders and measure the width of each plastigauge. The widest thickness determines the oil clearance.

SERVICE LIMIT: 0.10 mm (0.004 in)

When the service limits are exceeded, replace the camshaft and recheck the oil clearance. Replace the cylinder head and camshaft holders as a set if the clearance still exceeds the service limit.



CYLINDER HEAD REMOVAL

Remove the engine from the frame (page 8-5).
Remove the camshafts (page 9-8).

Remove the cylinder drain bolt and sealing washer. Drain the coolant from the cylinder head and cylinder block.

Check the sealing washer is in good condition, replace it if necessary.

Install a new sealing washer and drain bolt. Tighten the drain bolt securely.

