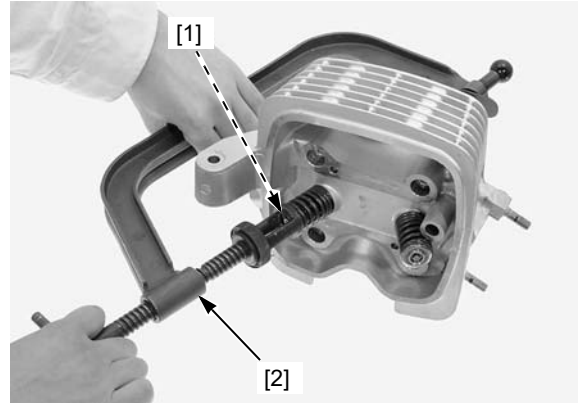


CYLINDER HEAD/VALVES

Compress the valve spring and install the valve cotters [1].

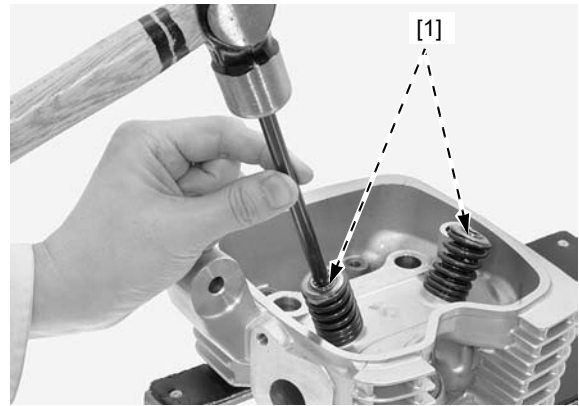
TOOL:

[2] Valve spring compressor 07757-0010000



Support the cylinder head above the work bench surface to prevent valve damage.

Tap the stems [1] gently with a bar and hammer to firmly seat the cotters.



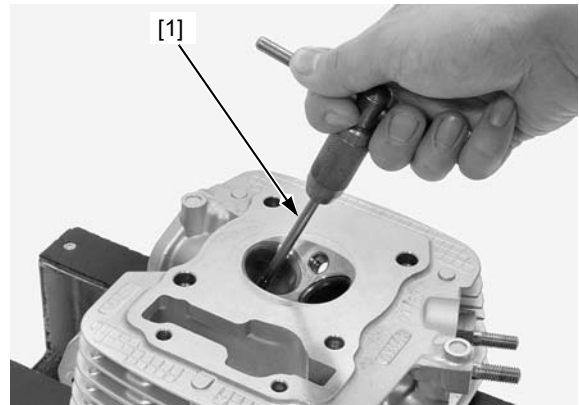
INSPECTION

Take care not to tilt or lean the reamer in the guide while reaming.

Ream the valve guide to remove the carbon build-up before checking the valve guide. Insert the reamer from the combustion chamber side of the cylinder head and always rotate the reamer clockwise.

TOOL:

[1] Valve guide reamer 07984-MA60001



Measure each valve guide I.D. and record it.

SERVICE LIMIT: IN/EX: 5.04 mm (0.198 in)

Calculate the stem-to-guide clearance.

**SERVICE LIMITS: IN: 0.07 mm (0.003 in)
EX: 0.09 mm (0.004 in)**

If the stem-to-guide clearance exceeds the service limit, determine if a new guide with standard dimensions would bring the clearance within tolerance. If so replace the guides as necessary and ream to fit.

If the stem-to-guide clearance still exceeds the service limit with a new guide, replace the valve and guide.

Inspect and reface the valve seat whenever new valve guides are installed.

