

CYLINDER HEAD/VALVE

INSPECTION

VALVE SPRINGS

Measure the free length of the inner and outer valve springs.

SERVICE LIMITS:

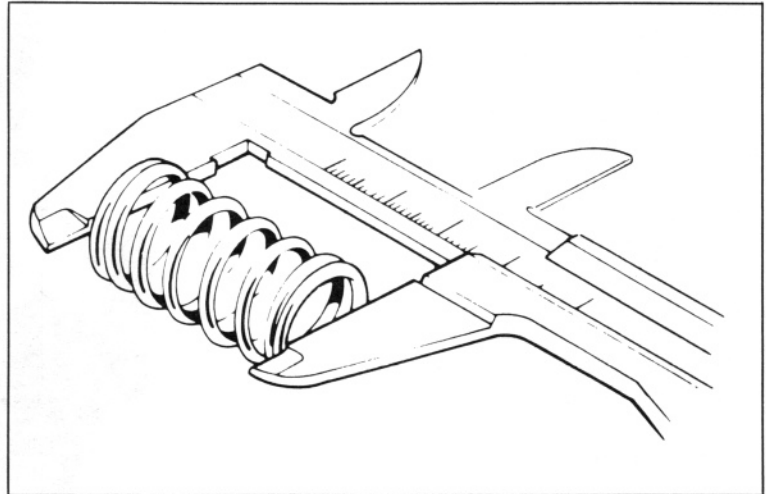
INNER (IN): 36.40 mm (1.4331 in)

(EX): 36.40 mm (1.4331 in)

OUTER (IN): 43.90 mm (1.7283 in)

(EX): 41.80 mm (1.6457 in)

Replace the springs if they are shorter than the service limits.



VALVE STEM-TO-GUIDE CLEARANCE

Inspect each valve for bending, burning, scratches or abnormal stem wear.

Check valve movement in the guide and measure and record each valve stem O.D.

SERVICE LIMITS: IN: 6.55 mm (0.2579 in)

EX: 6.54 mm (0.2575 in)

NOTE:

Ream the guides to remove any carbon deposits before checking clearances.

Measure and record each valve guide I.D.

SERVICE LIMIT: 6.66 mm (0.2622 in)

Subtract each valve stem O.D. from the corresponding guide I.D. to obtain the stem to guide clearance.

SERVICE LIMITS: IN: 0.11 mm (0.0043 in)

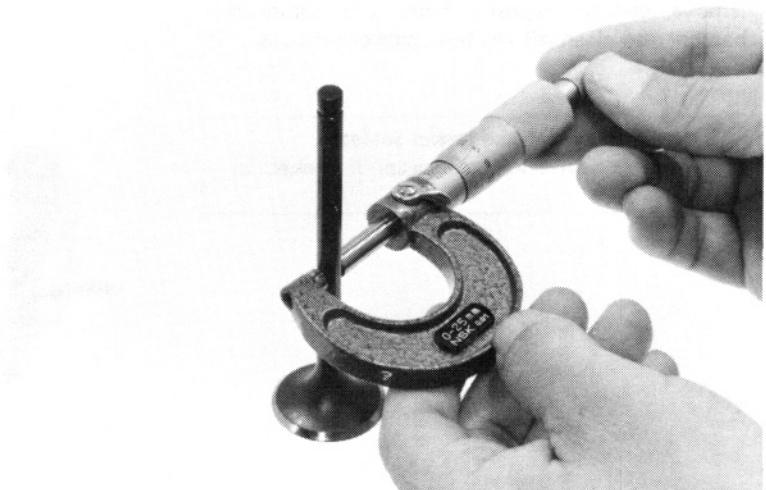
EX: 0.12 mm (0.0047 in)

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

If the stem-to-guide clearance exceeds the service limits with new guides, also replace the valves.

NOTE:

Reface the valve seats whenever the valve guides are replaced.



VALVE GUIDE REAMER
07984-6570100

