

CYLINDER HEAD/VALVES

Remove the valve and inspect the valve seat face. The valve seat contact should be within the specified width and even all around the circumference.

STANDARD:

IN: 0.90 – 1.10 mm (0.035 – 0.043 in)

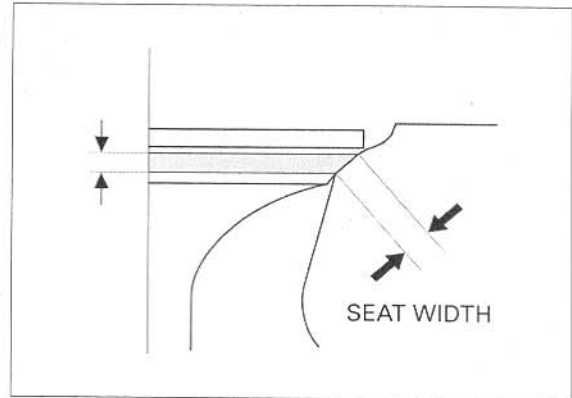
EX: 0.90 – 1.10 mm (0.035 – 0.043 in)

SERVICE LIMITS:

IN: 1.5 mm (0.06 in)

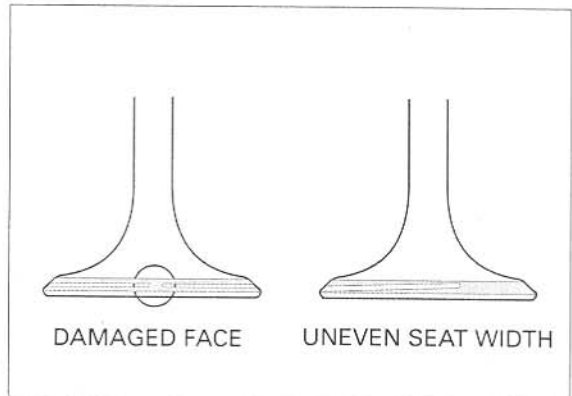
EX: 1.5 mm (0.06 in)

If the seat width is not within specification, reface the valve seat (page 9-20).



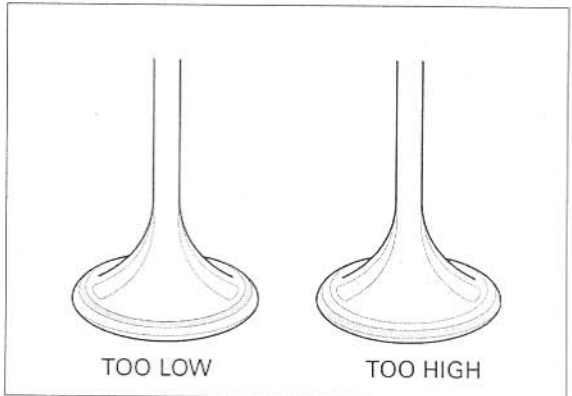
Inspect the valve seat face for:

- Uneven seat width:
 - Replace the valve and reface the valve seat.
- Damaged face:
 - Replace the valve and reface the valve seat.



The valves cannot be ground. If a valve face is burned or badly worn or if it contacts the seat unevenly, replace the valve.

- Contact area (too high or too low)
 - Reface the valve seat.



VALVE SEAT REFACING

Follow the refacing manufacturer's operating instructions.

Valve seat cutters/grinders or equivalent valve seat refacing equipment are recommended to correct worn valve seats.

