

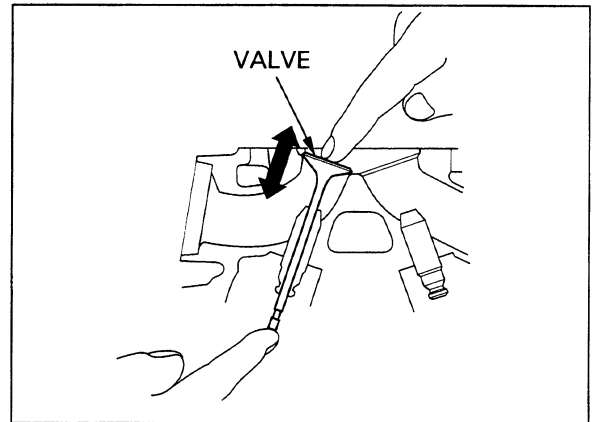
VALVE SEAT INSPECTION/REFACING

INSPECTION

Clean all intake and exhaust valves thoroughly to remove carbon deposits.

Apply a light coating of Prussian Blue to each valve seat.

Tap the valve against the valve seat several times without rotating the valve, to check for proper valve seat contact.



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.

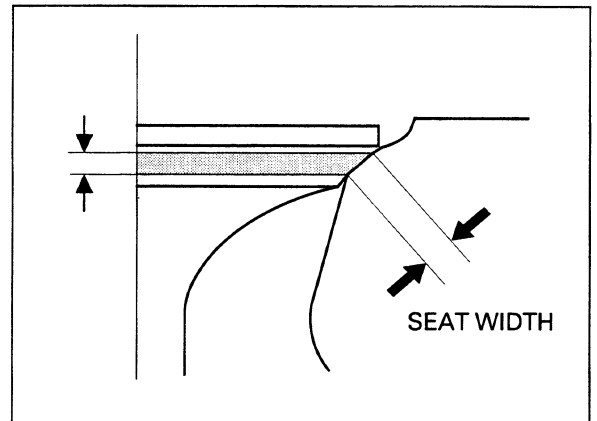
STANDARD: IN: 1.1–1.3 mm (0.04–0.05 in)

EX: 1.3–1.5 mm (0.05–0.06 in)

SERVICE LIMIT: IN: 1.7 mm (0.07 in)

EX: 1.9 mm (0.07 in)

If the valve seat width is not within specification, reface the valve seat (page 9-14).



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

NOTE:

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

