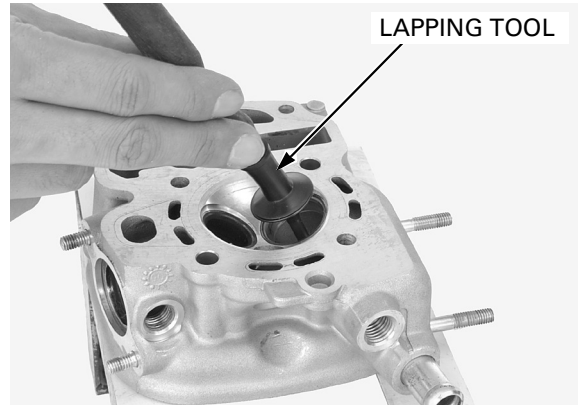


**VALVE SEAT INSPECTION**

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

Apply a light coat of Prussian Blue to the valve seats.

Tap the valve against the valve seat several times using a hand-lapping tool, without rotating the valve, to make a clear pattern.

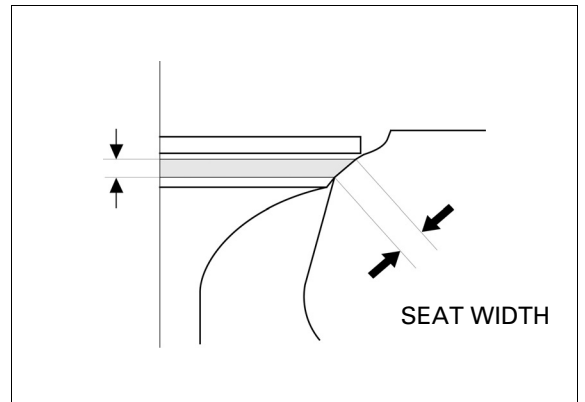


*The valves cannot be ground. If the valve face is burned or badly worn or if it contacts the seat unevenly, replace the valve.*

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.

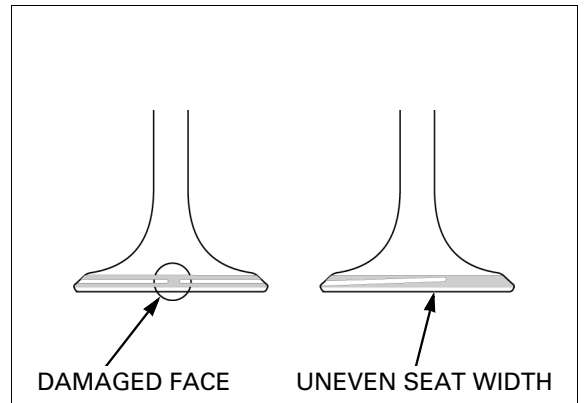
**STANDARD: 0.90 – 1.10 mm (0.035 – 0.043 in)**  
**SERVICE LIMIT: 1.5 mm (0.06 in)**

If the valve seat width is not within specification, reface the valve seat (page 9-18).



Inspect the valve seat face for:

- Damaged face:
  - Replace the valve and reface the valve seat
- Uneven seat width:
  - Bent or collapsed valve stem; Replace the valve and reface the valve seat



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

