

CYLINDER HEAD/VALVES

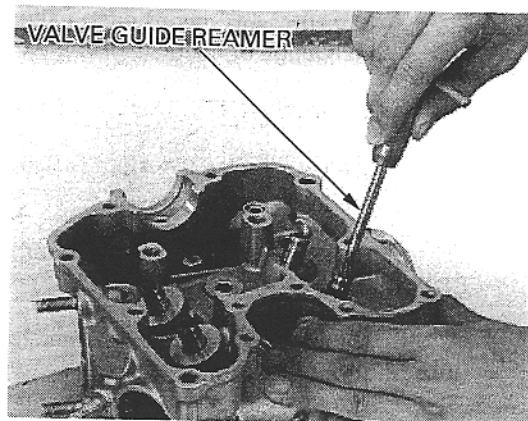
Ream the new valve guides after installation.
Insert the reamer from the combustion chamber side and always rotate the reamer clockwise.

TOOL:

Valve guide reamer 07984-ZE20001

NOTE:

- Use cutting oil on the reamer during this operation.
- Rotate the reamer while inserting and removing it.



Clean the cylinder head thoroughly to remove any metal particles.

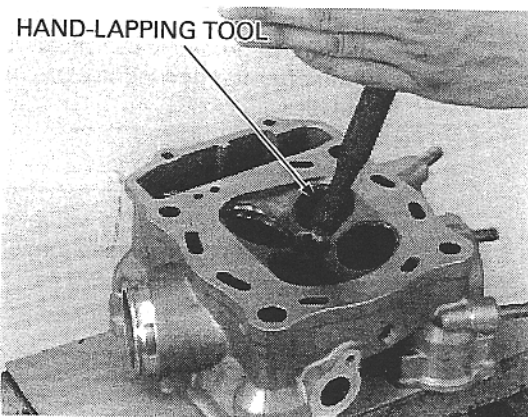
Reface the valve seats (page 8-15).

VALVE SEAT INSPECTION AND REFACING

INSPECTION

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

Apply a light coating of Prussian Blue to each valve face. Lap each valve and seat using a rubber hose or other hand-lapping tool.

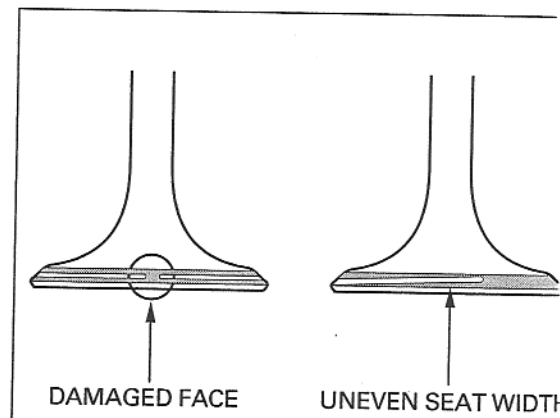


NOTE:

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 face.

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



Measure the valve seat width.

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/EX: 2.0 mm (0.08 in)

If the seat is too wide, too narrow, or has low spots, the seat must be refinished for good sealing.

