

VALVE GUIDE REPLACEMENT

Chill new valve guides in the freezer section of a refrigerator for about an hour.
Heat the cylinder head to 275 – 290 ° F (130 – 140 ° C) with a hot plate or oven.

▲WARNING

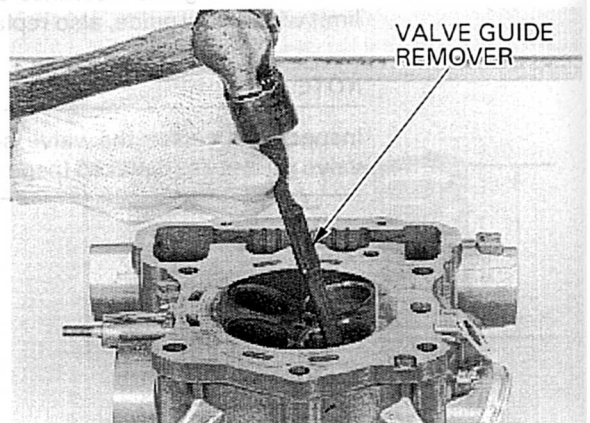
Wear heavy gloves to avoid burns when handling the heated cylinder head.

CAUTION:

Using a torch to heat the cylinder head may cause warpage.

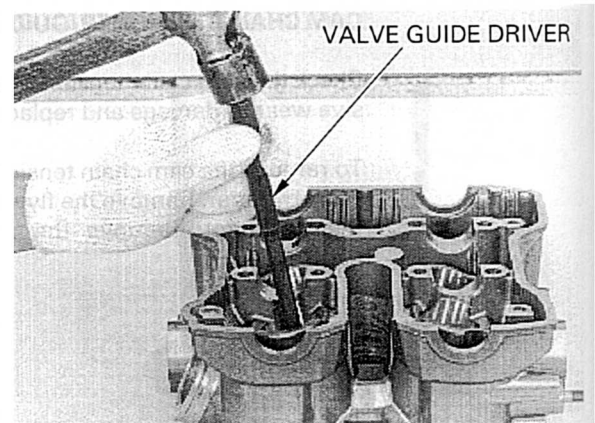
Support the cylinder head and drive the valve guides out of the cylinder head from the combustion chamber side.

TOOL:
Valve guide remover 07742-0010000



While the cylinder head is still heated, drive new valve guides in the cylinder head from the camshaft side until the exposed height is 14.0 – 14.2 mm (0.55 – 0.56 in).

TOOL:
Valve guide driver 07743-0020000



Let the cylinder head cool to room temperature.

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

TOOL:
Valve guide reamer 07VMH-MBB0200

NOTE:

- Take care not to tilt or lean the reamer in the guide while reaming.
- Use cutting oil on the reamer during this operation.

Clean the cylinder head thoroughly to remove any metal particles after reaming and reface the valve seat (page 8-14).

