

Valve Guides

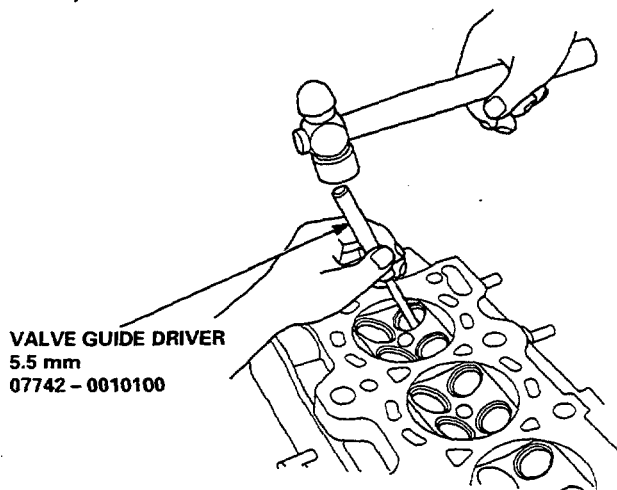
Replacement

NOTE:

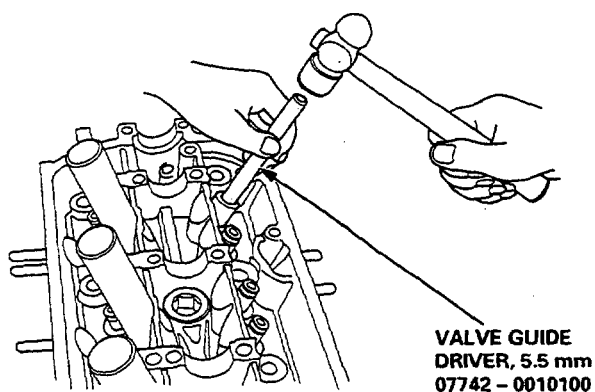
- For best results, heat cylinder head to 150°C (300°F) before removing or installing guides.
- It may be necessary to use an air hammer to remove some valve guides.

CAUTION: To avoid burns, use heavy gloves when handling heated cylinder head.

1. Drive the valve guide out from the bottom of the cylinder head.



2. Drive in a new valve guide to the specified depth.



Valve Guide Installed Height:

D16Y2, D15Z3 engines:

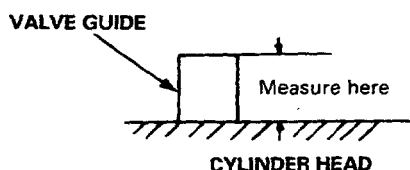
Intake: 17.85 - 18.35 mm (0.703 - 0.722 in)

Exhaust: 18.65 - 19.15 mm (0.734 - 0.754 in)

D16Y3, D14A2 engines:

Intake: 15.95 - 16.45 mm (0.628 - 0.648 in)

Exhaust: 15.95 - 16.45 mm (0.628 - 0.648 in)



Reaming

NOTE: For new valve guides only.

1. Coat both the reamer and valve guide with cutting oil.
2. Rotate the reamer clockwise the full length of the valve guide bore.
3. Continue to rotate the reamer clockwise while removing it from the bore.
4. Thoroughly wash the guide in detergent and water to remove any cutting residue.
5. Check the clearance with a valve (see page 6-48).
— Verify that the valve slides in the valve guide without exerting pressure.

