



Cylinder Heads

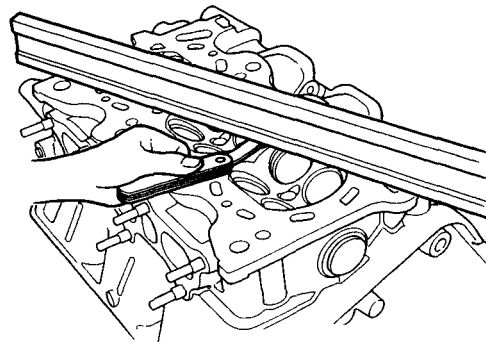
Warpage

NOTE: If camshaft-to-holder oil clearances (page 6-38) are not within specification, the head cannot be resurfaced.

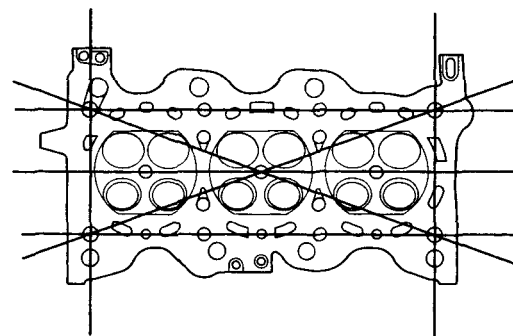
If camshaft-to-holder oil clearances are within specifications, check the head for warpage.

- If warpage is less than 0.05 mm (0.002 in) cylinder head resurfacing is not required.
- If warpage is between 0.05 mm (0.002 in) and 0.2 mm (0.008 in), resurface cylinder head.
- Maximum resurface limit is 0.2 mm (0.008 in) based on a height of 151 mm (5.945 in).

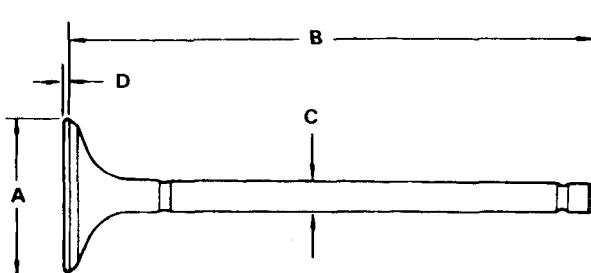
PRECISION STRAIGHT EDGE



Measure along edges, and 3 ways across center.



Cylinder Head Height;
 Standard (New): 150.95-151.05
 (5.943-5.947 in)
 Service Limit: 150.8 mm (5.937 in)



Intake Valve Dimensions

A Standard (New): 34.9—35.1 mm
(1.374-1.382 in)

B Standard (New): 111.05-111.40 mm
(4.372-4.386 in)

C Standard (New): 5.475—5.485 mm
(0.2156-0.2159 in)

C Service Limit: 5.445 mm (0.2144 in)

D Standard (New): 1.05—1.35 mm
(0.041-0.053 in)

D Service Limit: 0.85 mm (0.033 in)

Exhaust Valve Dimensions

A Standard (New): 29.9—30.1 mm
(1.177-1.185 in)

B Standard (New): 109.60-109.90 mm
(4.315-4.327 in)

C Standard (New): 5.45-5.46 mm
(0.2146-0.2150 in)

C Service Limit: 5.42 mm (0.2134 in)

D Standard (New): 1.65—1.95 mm
(0.065-0.077 in)

D Service Limit: 1.45 mm (0.057 in)