

# CYLINDER HEAD INSPECTION

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1. Carry out color contrast penetrate examination on the cylinder head surface.

- Replace the cylinder head if necessary.

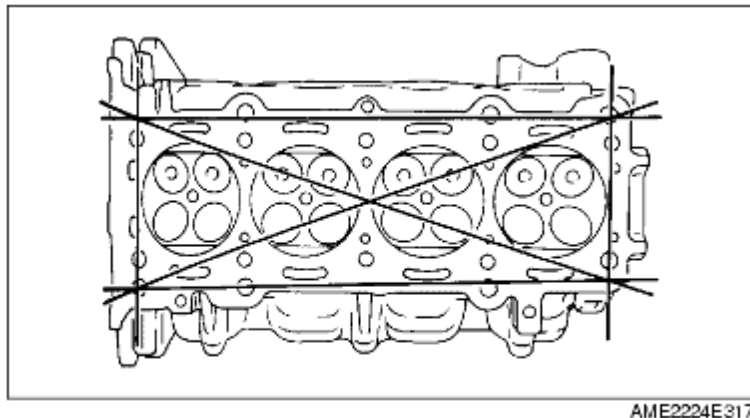
2. Inspect for the following and repair or replace if necessary.

- (1) Sunken valve seats
- (2) Excessive camshaft oil clearance and end play

3. Measure the cylinder head for distortion in the six directions as shown.

- If the distortion exceeds the maximum, replace the cylinder head.

Maximum distortion:  
0.10 mm {0.004 in}

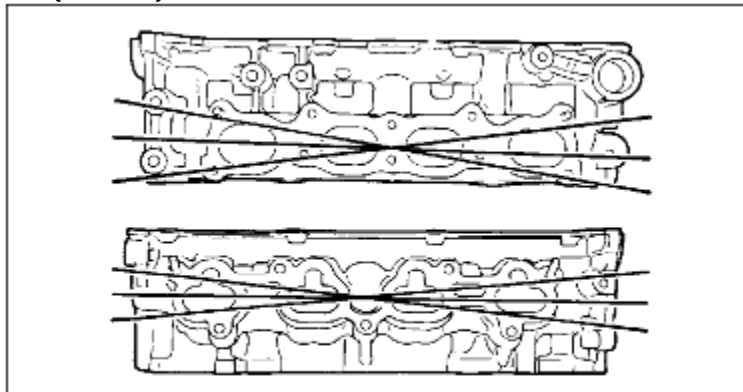


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4. Measure the manifold contact surface distortion as shown.

- If the distortion exceeds the maximum, grind the surface or replace the cylinder head.

Maximum distortion:  
0.10 mm {0.004 in}  
Maximum grinding:  
0.15 mm {0.006 in}



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