

# CYLINDER HEAD INSPECTION

B3E011010100201

1. Perform color contrast penetrate examination on the cylinder head surface.

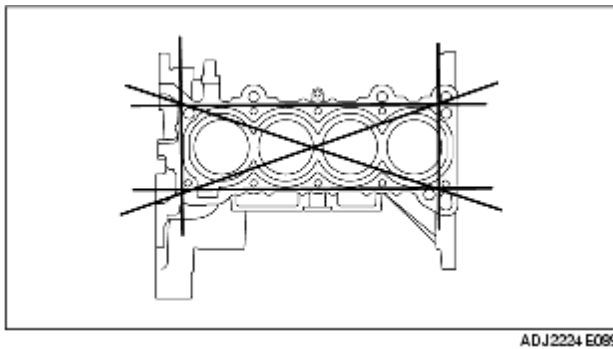
- Replace the cylinder head if necessary.

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 six directions as shown in the figure.

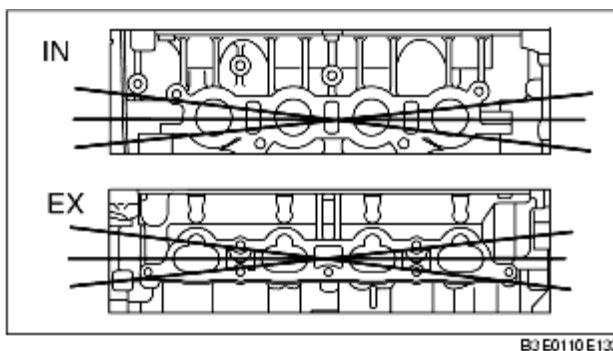
- If it exceeds the maximum specification, replace the cylinder head.



**Maximum distortion:**  
**0.10 mm {0.004 in}**

4. Measure the manifold contact surface distortion as shown in the figure.

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



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