

ENGINE SYSTEM - GENERAL INFORMATION

CYLINDER HEAD DISTORTION - INGENIUM I6 3.0L PETROL (G2327809)

GENERAL PROCEDURES

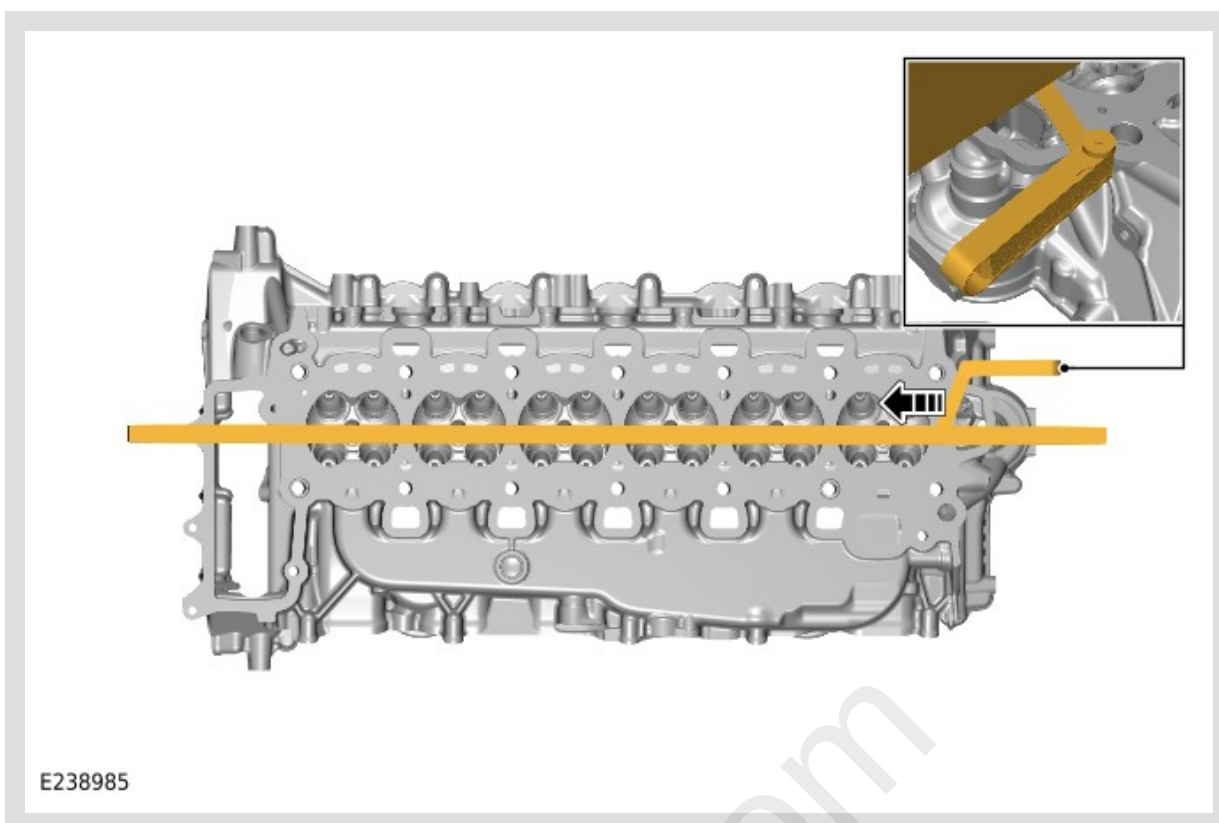
12.25.34	CYLINDER BLOCK DISTORTION MEASUREMENT	2000 CC, INGENIUM DIESEL	0.10	USED WITHINS	
01.01.34	CYLINDER HEAD - DISTORTION MEASUREMENT	ALL DERIVATIVES	0.10	USED WITHINS	

CHECK



NOTE:

- This procedure contains some variation in the illustrations depending on the vehicle specification, but the essential information is always correct.
- This procedure contains illustrations showing certain components removed to provide extra clarity.

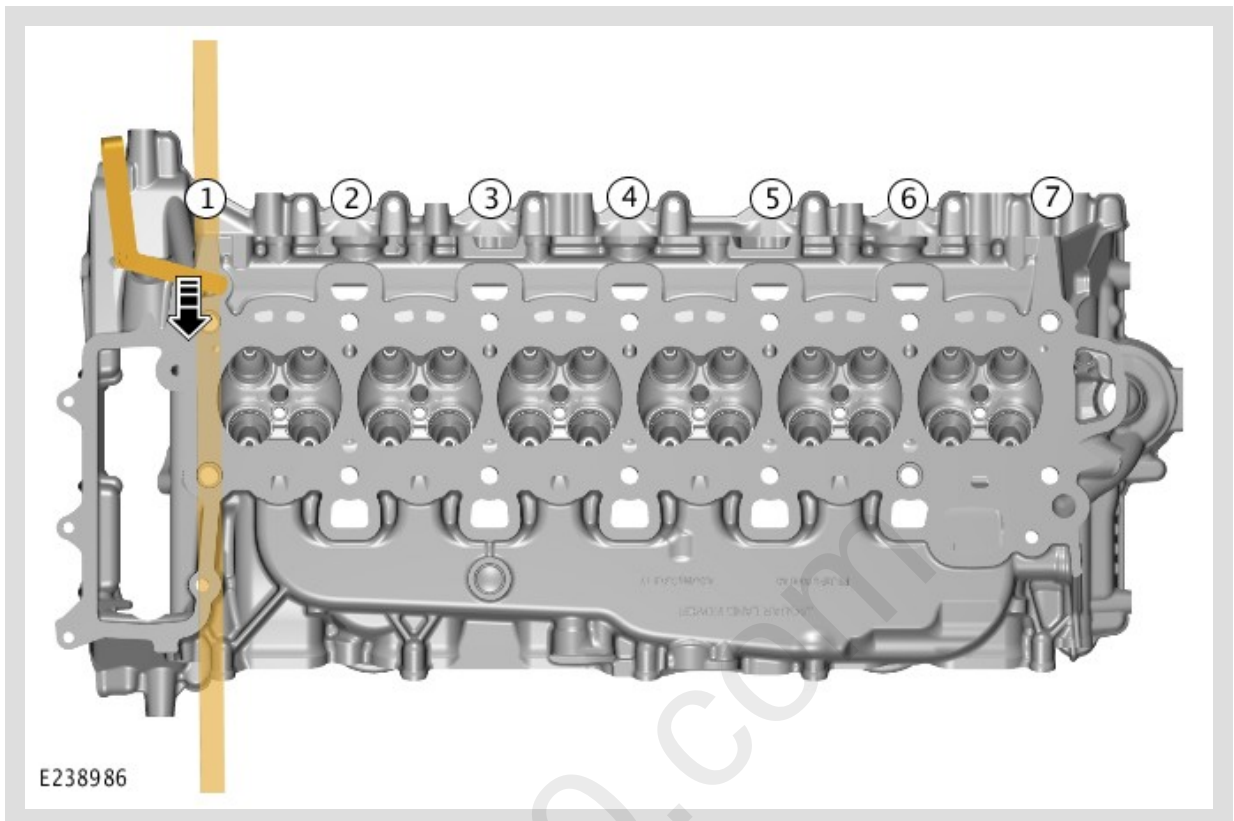


- Using a suitable metallic straight edge and feeler gauge, measure the cylinder head face longitudinally in the areas illustrated.
- Note the maximum value.

2.

NOTE:

The measurements must be taken at the section of the cylinder head bolt holes.



- Using a suitable metallic straight edge and feeler gauge, measure the cylinder head face transversely in the areas illustrated.
- Note the maximum value.

3.

- Refer to the specifications.
Refer to: [Specifications](#) (303-01C Engine - INGENIUM I6 3.0L Petrol, Specifications).
- If the cylinder head distortion measurements exceed the maximum values, the cylinder head must be machined.

4.

NOTE:

Prior to having the cylinder head machined, approval is required by Jaguar Land Rover engineering.

Machine the minimum thickness of material from the cylinder head to meet specification. If a selection of cylinder head gaskets are available, increase the thickness of the cylinder head gasket by one size.