

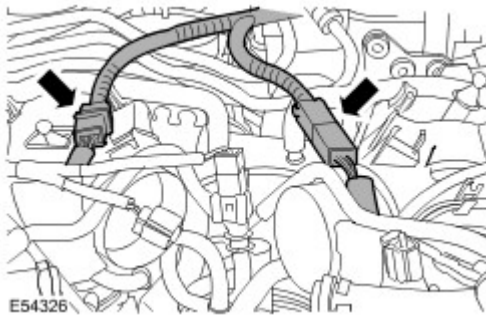


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Cylinder Head LH (12.29.04)

Removal

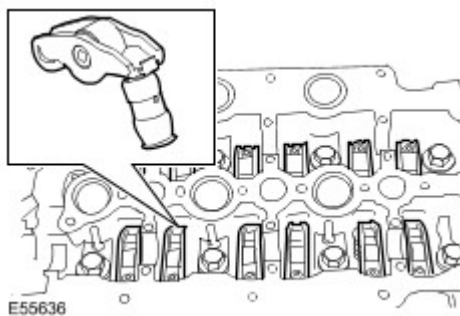
1. Disconnect the battery ground cable. For additional information, refer to [Specifications](#) (Section 414-00)
2. Remove the LH bank camshafts.
3. Remove the LH exhaust manifold. For additional information, refer to [Exhaust Manifold LH \(30.15.10\)](#) (Section 303-01)
4. Disconnect the LH glow plug wiring harness electrical connector.



5. Remove the cylinder head coolant outlet connector.



6. Remove the hydraulic adjuster and rocker assemblies.



- 7.



CAUTION: Only use a plastic scraper to clean off the old gasket.

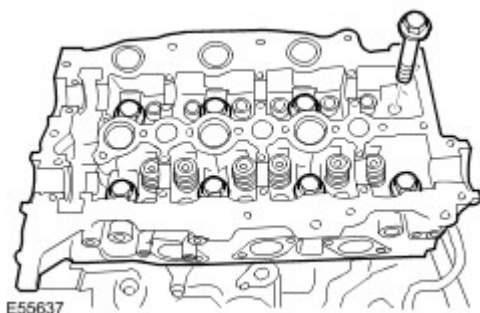


CAUTION: The cylinder head must not be placed mating face down. Failure to follow this instruction may result in damage to the vehicle.

Remove the LH cylinder head assembly.

➤ Remove and discard the eight cylinder head bolts.

➤ Remove and discard the cylinder head gasket.



Installation

1. Clean the component mating faces.
2. Check cylinder head face for distortion, across the center and from corner to corner.
3. **NOTE :**
The cylinder head gasket must be installed over the cylinder head to cylinder block dowels.
Install a new cylinder head gasket.

4.



CAUTION: Use care when installing the cylinder head. Damage to the cylinder block, cylinder head or cylinder head gasket may result.

NOTE :

Install a new cylinder head gasket.

NOTE :

The cylinder head gasket must be installed over the cylinder head to cylinder block dowels.

NOTE :

Make sure the cylinder head is installed in its original position.

NOTE :

Tighten the retaining bolts in the indicated sequence in four stages.

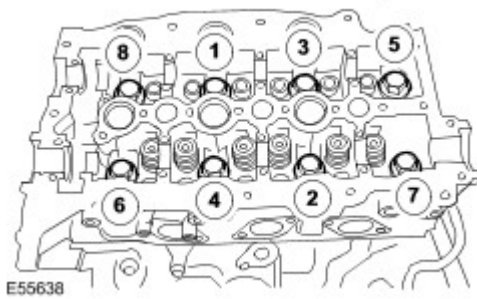
Install the LH cylinder head assembly and install new cylinder head retaining bolts.

➤ Stage one: Tighten to 20 Nm (15 lb.ft).

➤ Stage two: Tighten to 40 Nm (30 lb.ft).

➤ Stage three: Tighten to 80 Nm (59 lb.ft).

► Stage four: Tighten a further 180 degrees.



- 5 . Install the hydraulic adjuster and rocker assemblies.
- 6 . Connect the LH glow plug wiring harness electrical connector.
- 7 . **NOTE :**
Install new O-ring seals.
Install the cylinder head coolant outlet connector.
► Install the four retaining bolts and tighten to 10 Nm (7 lb.ft).
- 8 . Install the LH exhaust manifold. For additional information, refer to [Exhaust Manifold LH \(30.15.10\)](#) (Section 303-01)
- 9 . Install the LH bank camshafts.
- 10 . Connect the battery ground cable. For additional information, refer to [Specifications](#) (Section 414-00)