

2015.0 F-TYPE (X152), 303-01

ENGINE - V6 S/C 3.0L PETROL

CYLINDER HEAD LH (G1584105)

REMOVAL AND INSTALLATION

12.29.02	CYLINDER HEAD GASKET - LEFT HAND - RENEW	RIGHT HAND DRIVE, 3000 CC, AJ V6 (AJ126)	19.8	USED WITHINS
12.29.11	CYLINDER HEAD - LEFT HAND - RENEW	RIGHT HAND DRIVE, 3000 CC, AJ V6 (AJ126)	19.8	USED WITHINS
12.29.43	CAMSHAFT COVER - LEFT HAND - RENEW	3000 CC, AJ V6 (AJ126)	5.7	USED WITHINS

SPECIAL TOOL(S)



E129632

303-1492

Guide Sleeve, Cylinder
Head Bolt

REMOVAL

△ NOTES:

- Some variation in the illustrations may occur, but the essential information is always correct.
- Engine shown removed for clarity.

1. Refer to: [Battery Disconnect and Connect](#) (414-01 Battery, Mounting and Cables, General Procedures).

2.

⚠ WARNING:

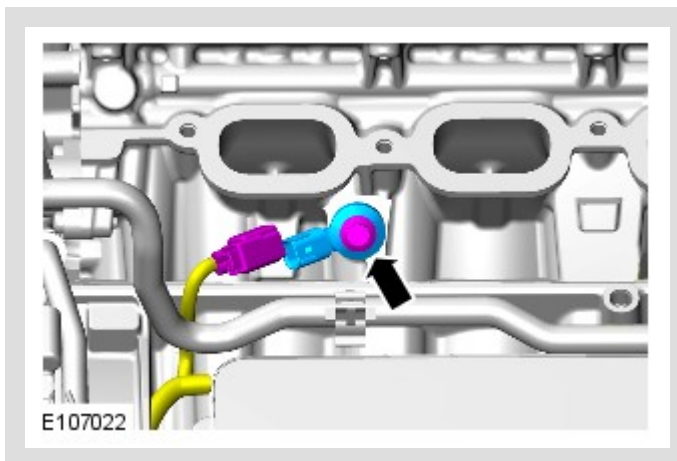
Do not work on or under a vehicle supported only by a jack. Always support the vehicle on safety stands.

Raise and support the vehicle.

3. Refer to: [Exhaust Manifold LH](#) (303-01A Engine - V6 S/C 3.0L Petrol, Removal and Installation).

4. Refer to: [Camshaft LH](#) (303-01A Engine - V6 S/C 3.0L Petrol, Removal and Installation).

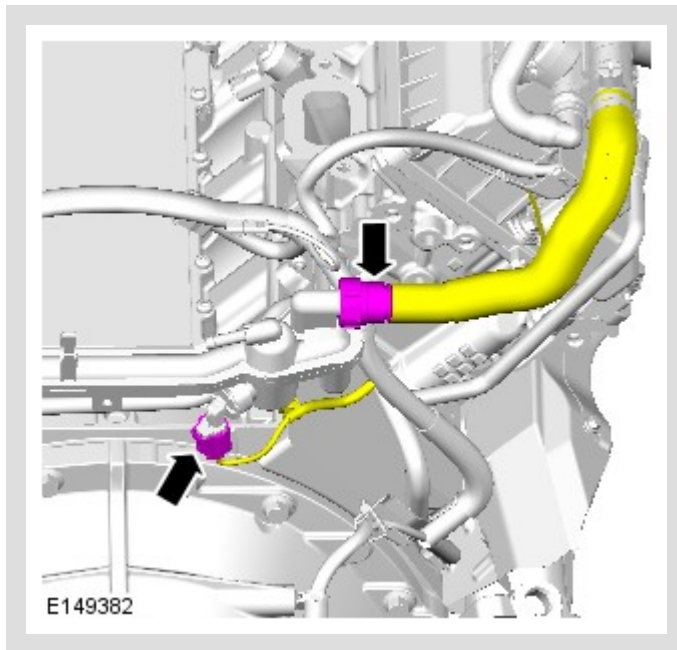
5.



6.

△ NOTE:

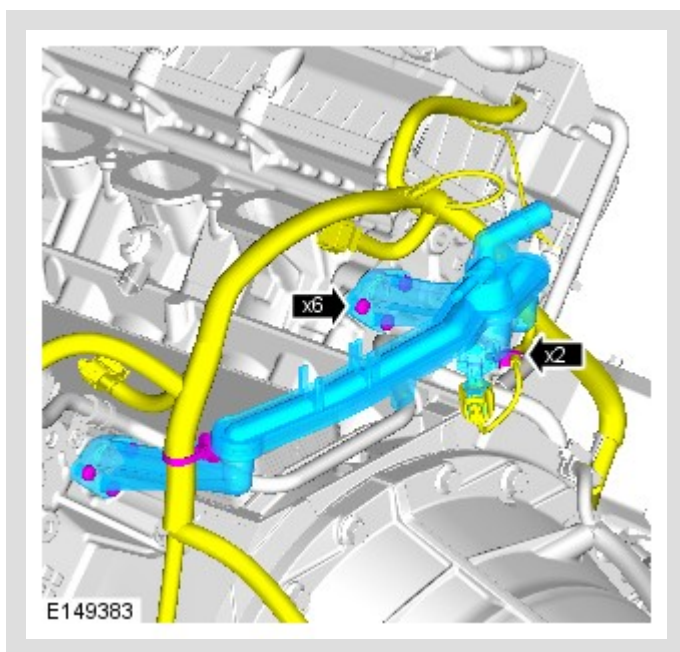
Clamp the hose to minimize coolant loss.



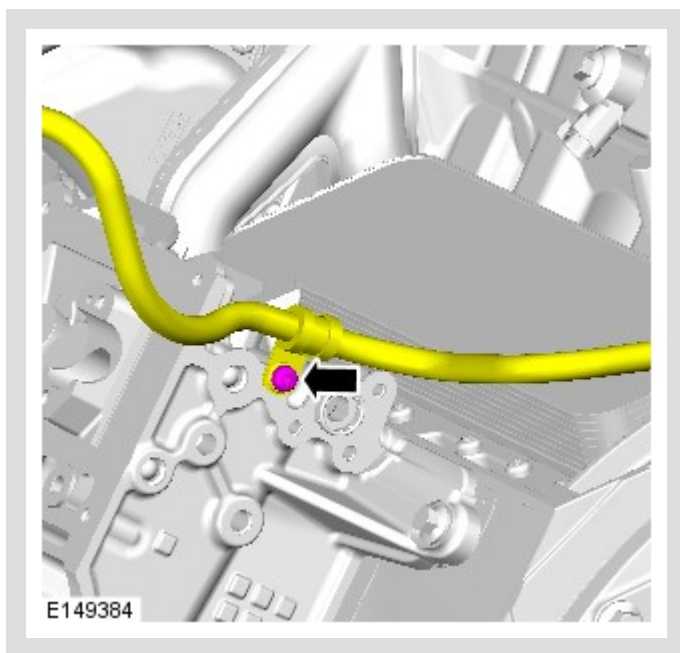
7.

ⓘ CAUTIONS:

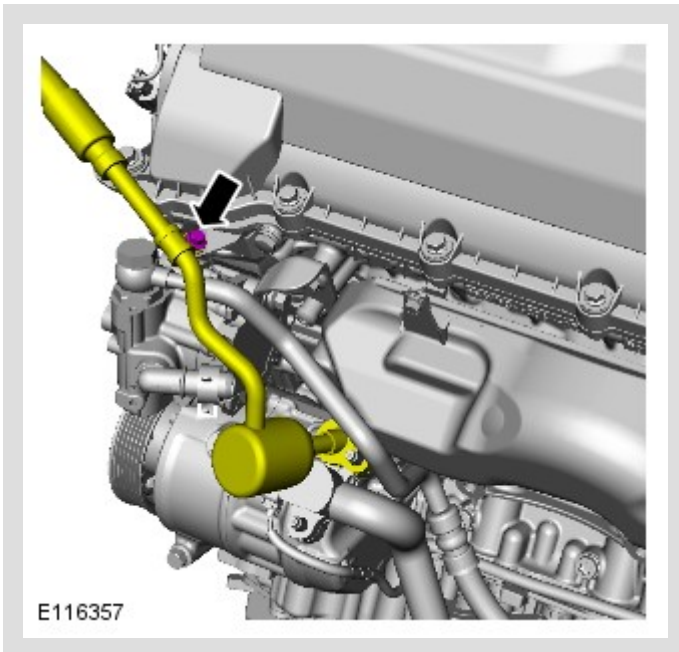
- Be prepared to collect escaping coolant.
- Discard the seals.



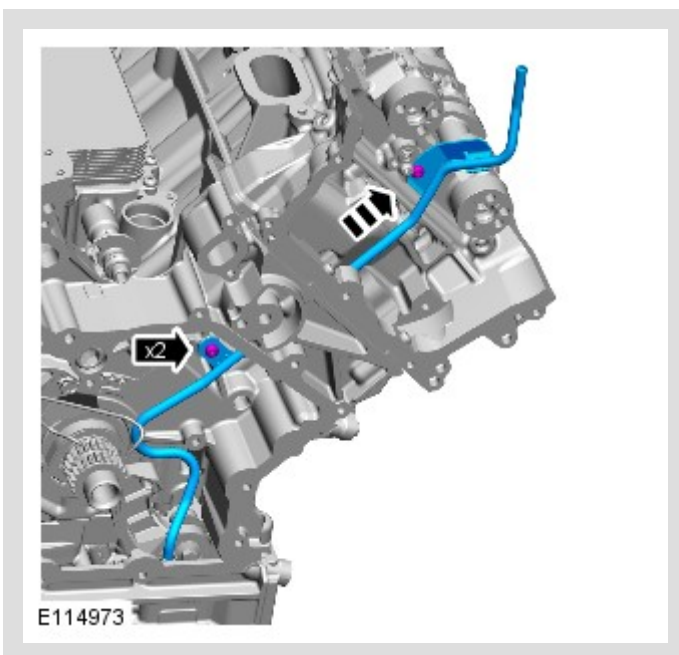
8.



9.



10.

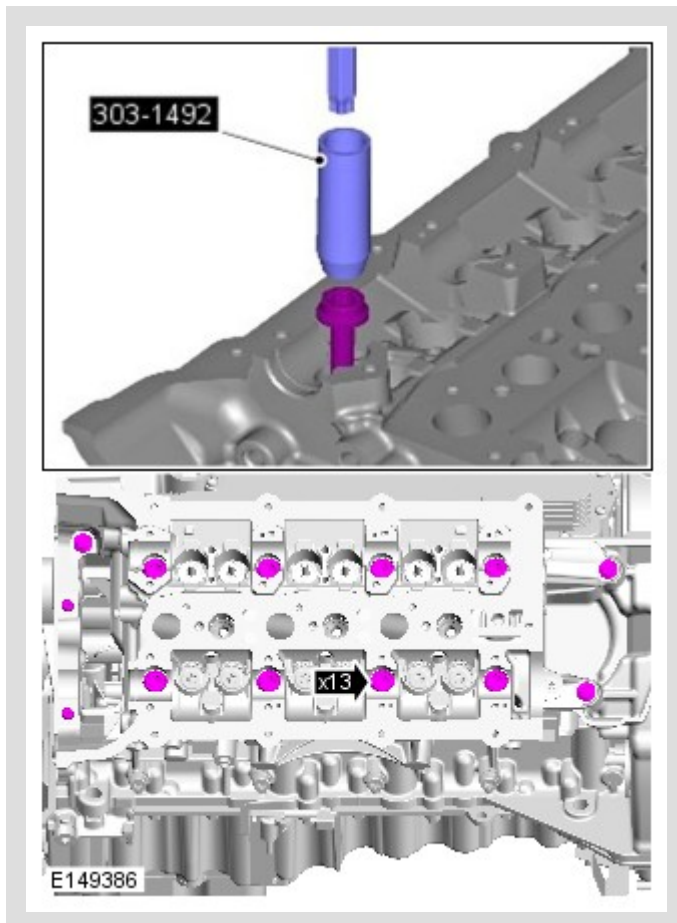


11.

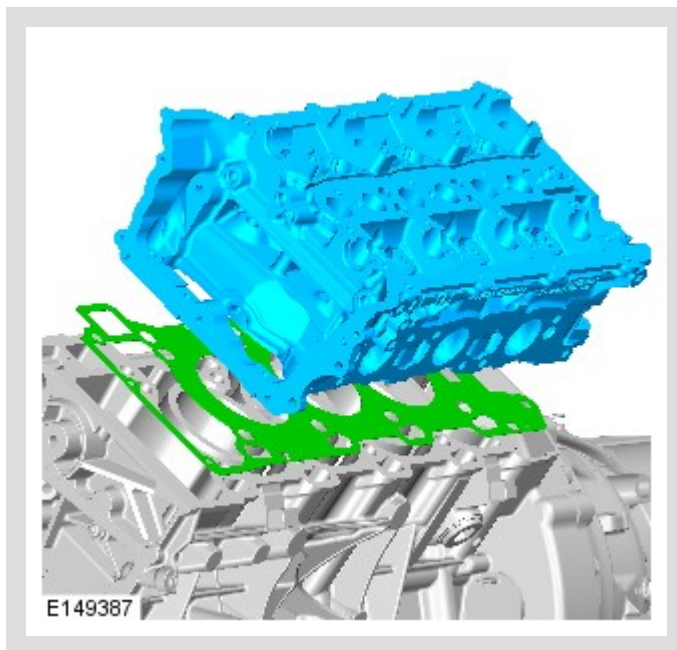
⚠ CAUTIONS:

- If a new cylinder head has been installed then new tappets must be installed.
- If the cylinder head is being removed without a new component being installed, the tappets must be installed in their original positions.





Special Tool(s): [303-1492](#)



INSTALLATION

1.

⚠ CAUTION:

An acceptable flatness of the cylinder head is 0.1mm.

Check cylinder head face for distortion, across the center and from corner to corner.

2.

⚠ WARNING:

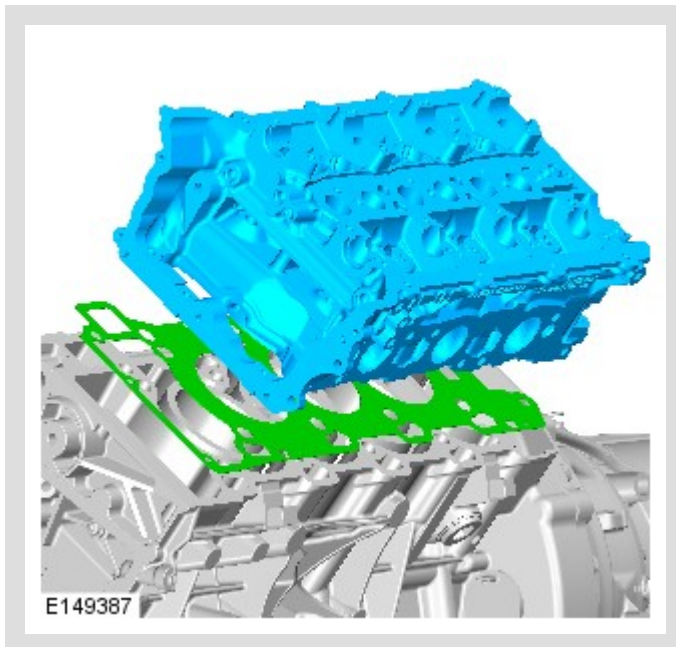
Make sure care is taken when handling the cylinder head gasket.

⚠ CAUTIONS:

- The head gasket must be installed over the cylinder block dowels.
- Make sure that the mating faces are clean and free of foreign material.

△ NOTE:

Install a new cylinder head gasket.



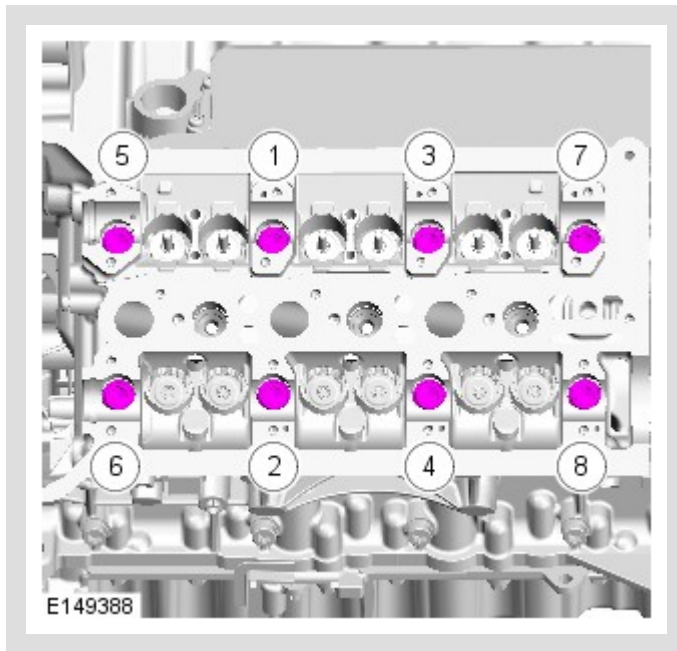
3.

⚠ CAUTION:

Make sure that new cylinder head bolts are installed.

△ NOTE:

Tighten the bolts in the indicated sequence.

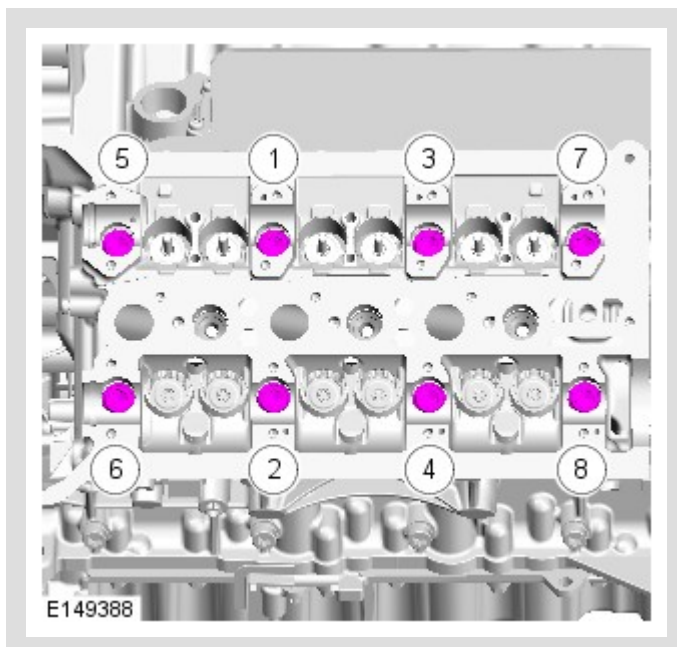


Torque: 20 Nm

4.

 **NOTE:**

Tighten the bolts in the indicated sequence.

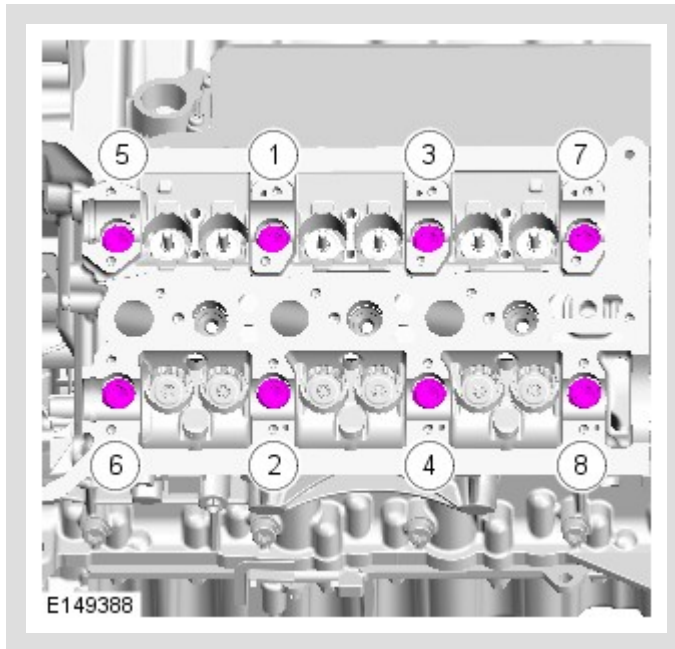


Torque: 35 Nm

5.

 **NOTE:**

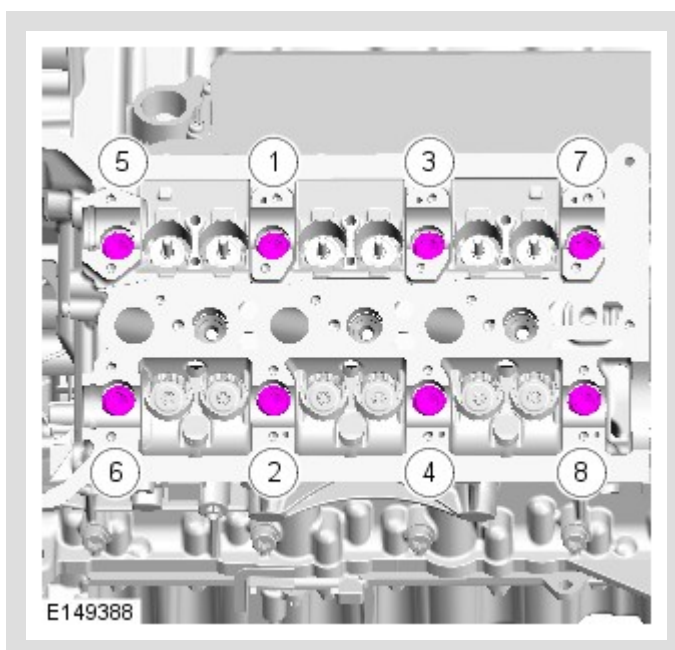
Slacken the bolts in the sequence shown.



6.

 **NOTE:**

Tighten the bolts in the indicated sequence.

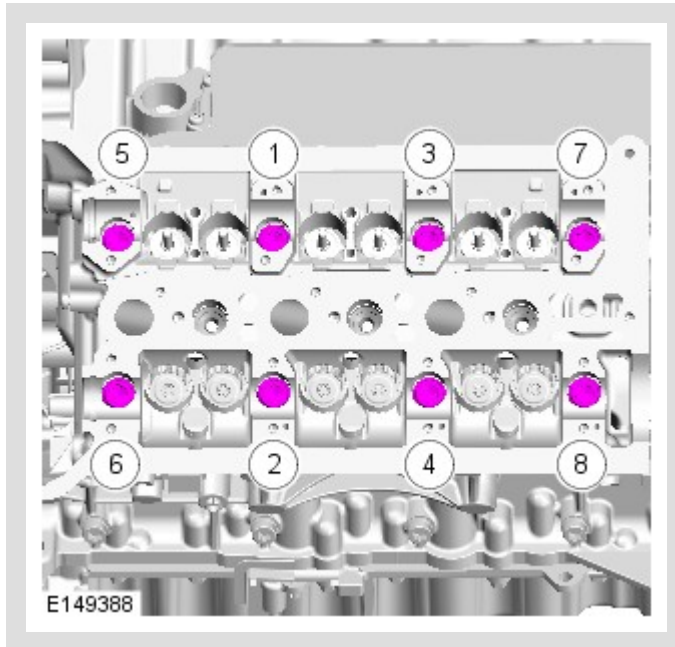


Torque: 35 Nm

7.


 **NOTE:**

Tighten the bolts in the indicated sequence.

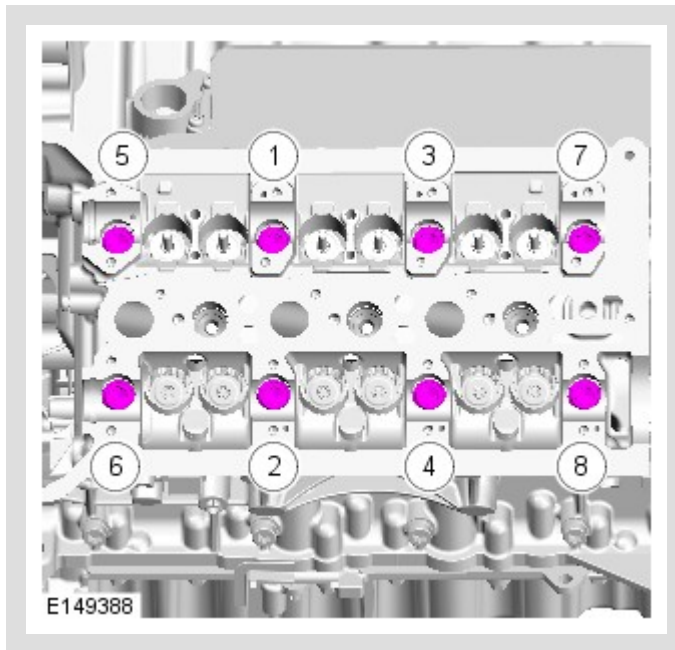


Tighten the bolts 1 to 8, a further 90 degrees.

8.

 **NOTE:**

Tighten the bolts in the indicated sequence.

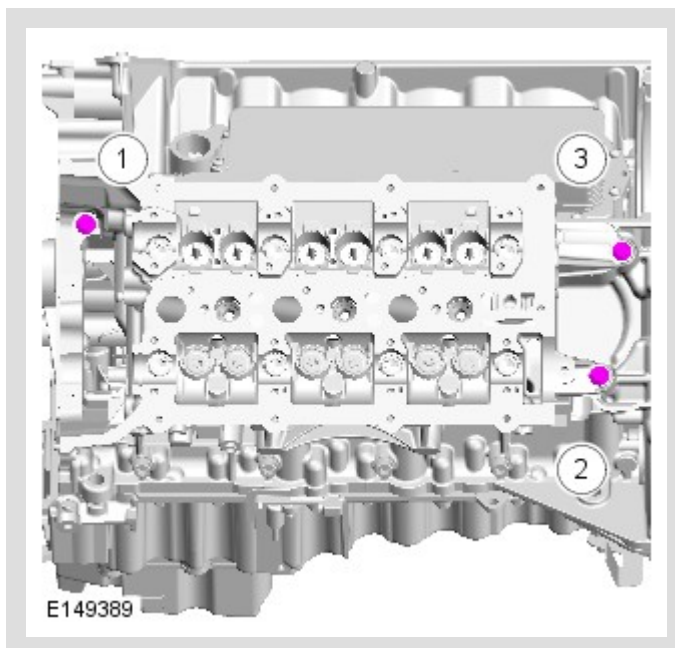


Tighten the bolts 1 to 8, a further 120 degrees.

9.

 **NOTE:**

Tighten the bolts in the indicated sequence.

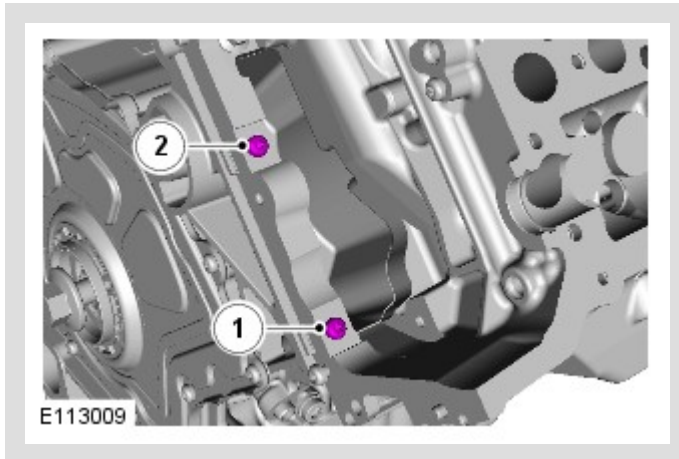


Torque: 25 Nm

10.

 **NOTE:**

Tighten the bolts in the indicated sequence.

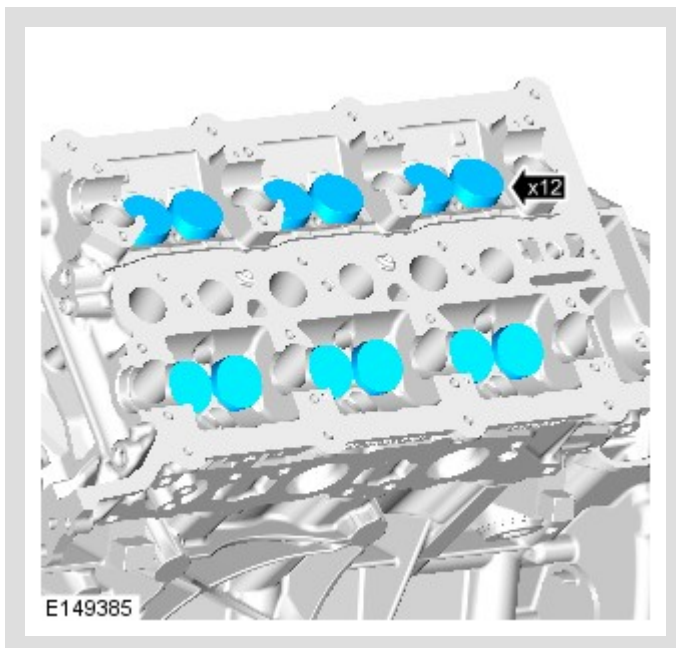


Torque: 12 Nm

11.

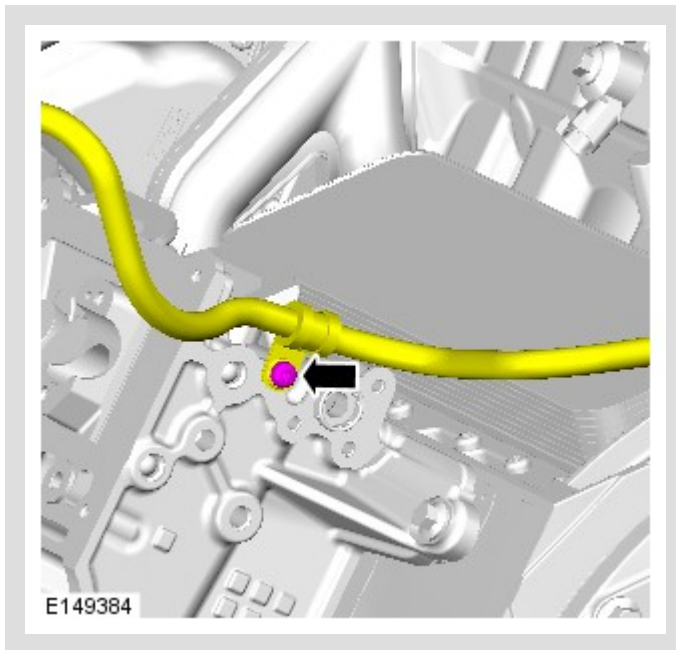
⚠ CAUTIONS:

- If a new cylinder head has been installed then new tappets must be installed.
- If the cylinder head is being removed without a new component being installed, the tappets must be installed in their original positions.



Lubricate the valve tappets with clean engine oil.

12.



Torque: 10 Nm

13.

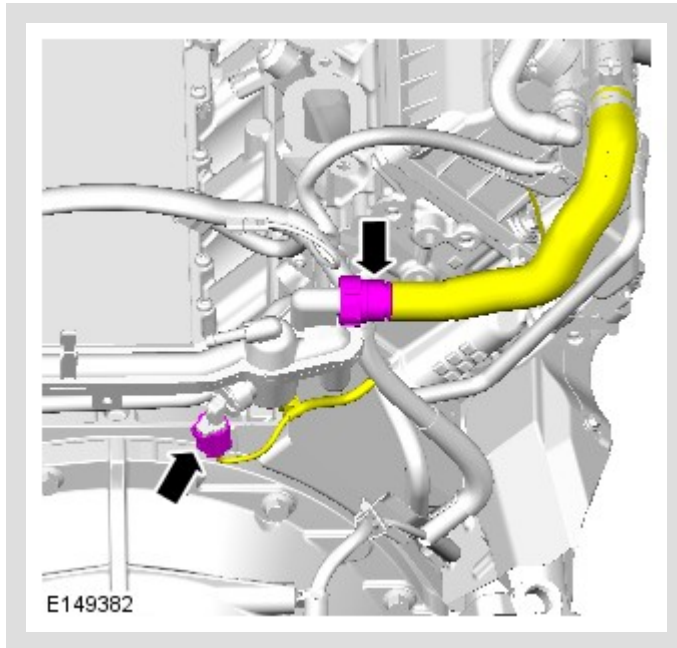
⚠ CAUTION:

Install the new seals.

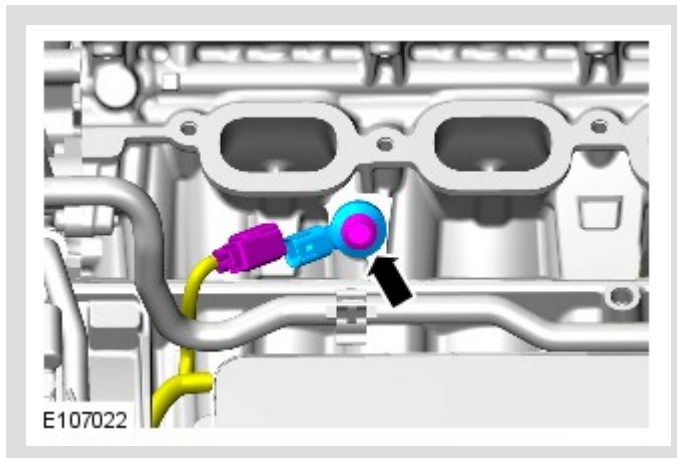


Torque: 10 Nm

14.

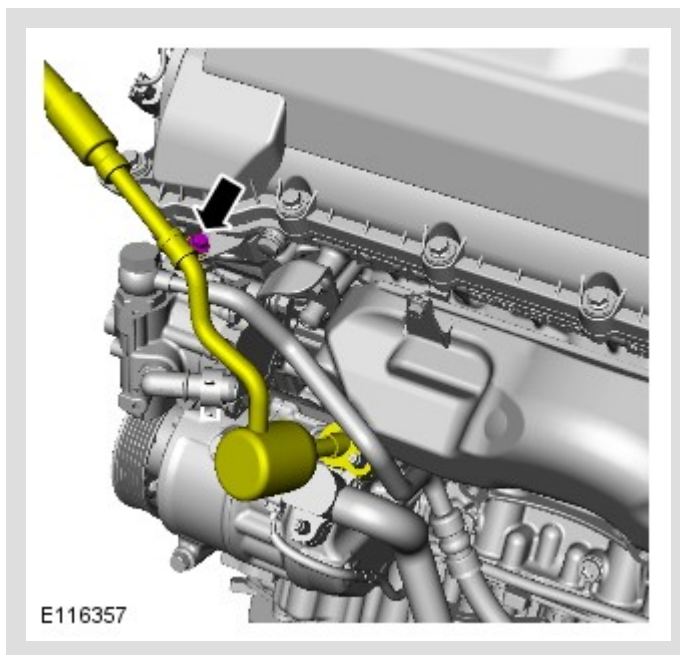


15.



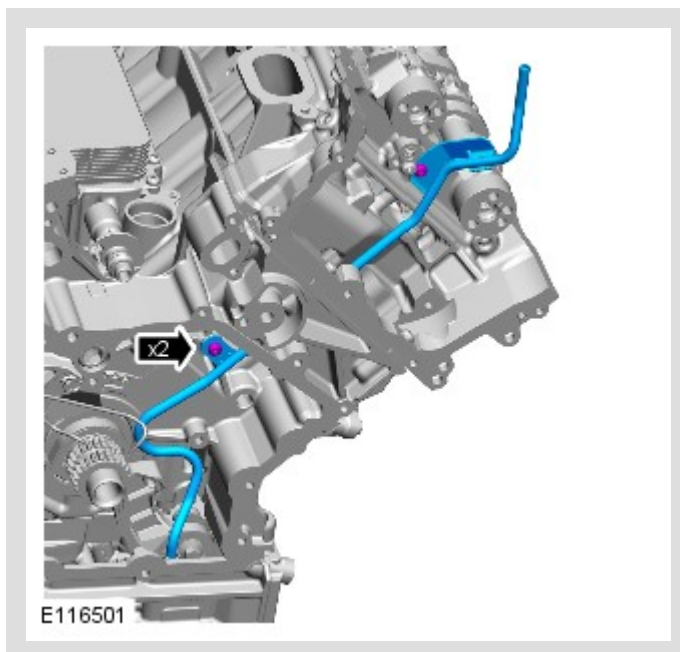
Torque: 20 Nm

16.



Torque: 12 Nm

17.



Torque: 12 Nm

18. Refer to: [Camshaft LH](#) (303-01A Engine - V6 S/C 3.0L Petrol, Removal and Installation).
19. Refer to: [Exhaust Manifold LH](#) (303-01A Engine - V6 S/C 3.0L Petrol, Removal and Installation).
20. Refer to: [Battery Disconnect and Connect](#) (414-01 Battery, Mounting and Cables, General Procedures).

2015.0 F-TYPE (X152), 303-01

ENGINE - V6 S/C 3.0L PETROL

CAMSHAFT LH (G1584100)

REMOVAL AND INSTALLATION

12.13.01	CAMSHAFT - ENGINE SET - RENEW	3000 CC, AJ V6 (AJ126)	20.1	USED WITHINS	
12.13.19	CAMSHAFT - BANK 2 SET - RENEW	3000 CC, AJ V6 (AJ126)	17.8	USED WITHINS	

REMOVAL

ⓘ CAUTION: