

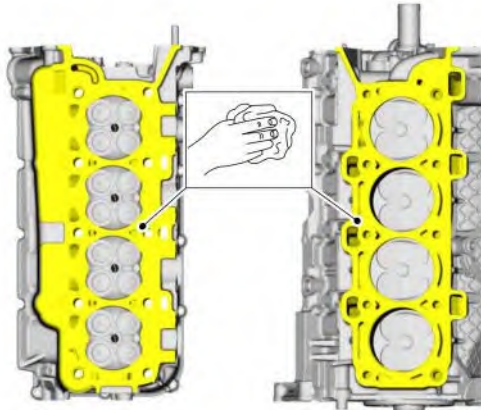


NOTE: Clean the cylinder head bolt holes in the cylinder block using compressed air. Make sure all coolant, oil or other foreign material is removed.

Clean and inspect the cylinder head-to-cylinder block mating surfaces of both the cylinder head and the cylinder block

Refer to: Cylinder Head Distortion .

Refer to: Cylinder Block Distortion .

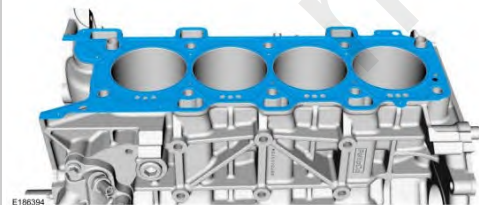


E186395

REMOVAL AND INSTALLATION > CYLINDER HEAD LH > INSTALLATION

1.

Install the cylinder head gasket.



E186394

2.



NOTE: The cylinder head bolts are torque-to-yield and must not be reused. New cylinder head bolts must be installed.

Install the cylinder head and the new bolts.

Torque:

Stage 1: 18 lb.ft (25 Nm)

Stage 2: 55 lb.ft (75 Nm)

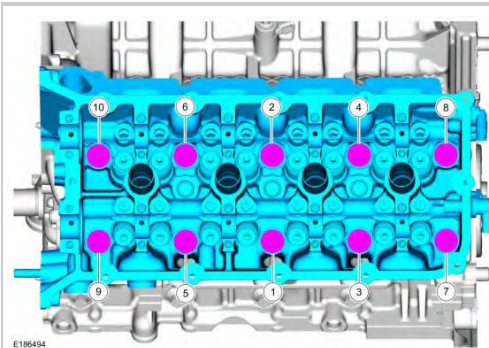
Stage 3: Loosen: 180°

Stage 4: 18 lb.ft (25 Nm)

Stage 5: 26 lb.ft (35 Nm)

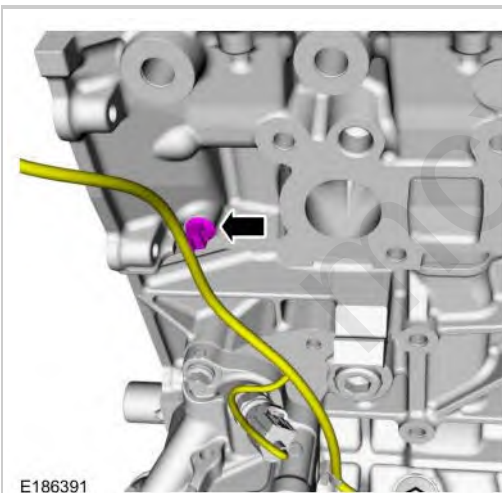
Stage 6: 90°

Stage 7: 90°



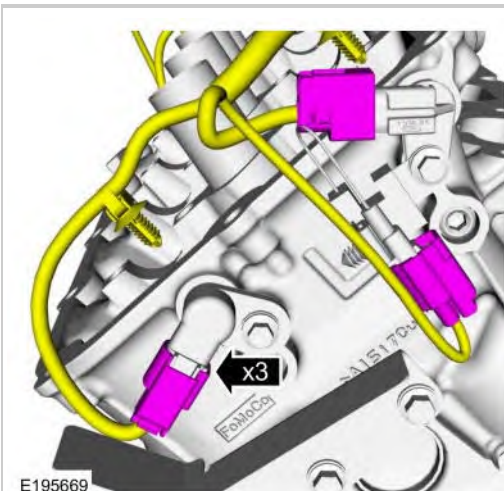
3.

Attach the wiring harness retainer to the cylinder head.



4.

Connect the engine wiring harness electrical connectors.



5.

Install the following items:

Refer to: Exhaust Manifold LH .

Refer to: Camshaft LH .

Refer to: Intake Manifold .

Refer to: AIR CLEANER .

6.

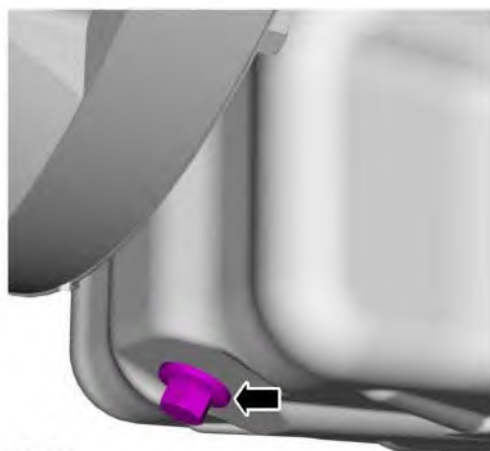
Remove the oil pan drain plug and drain the engine oil.

Use the General Equipment: Oil Drain Equipment

Install the oil pan drain plug.

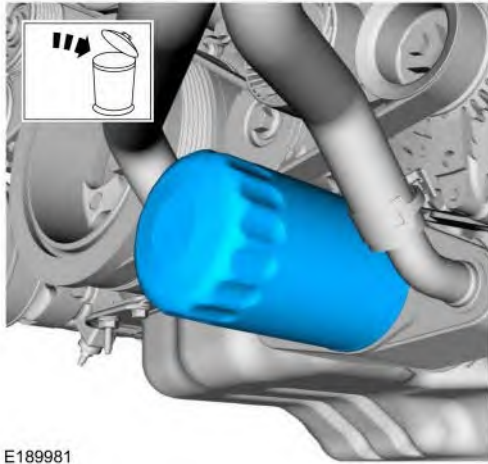
Torque

: 19 lb.ft (26 Nm)



7.

Remove and discard the engine oil filter.



8.

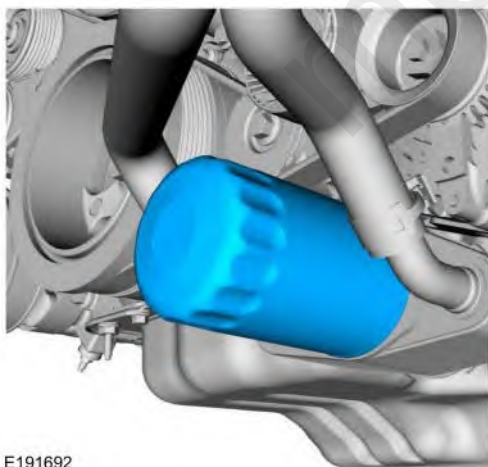
 **NOTE:** Do not lubricate the O-ring seal.

Install a new oil filter.

Torque:

Stage 1: 44 lb.in (5 Nm)

Stage 2: 180°



9.

Fill the engine with clean engine oil. Refer to: Specifications .

Material