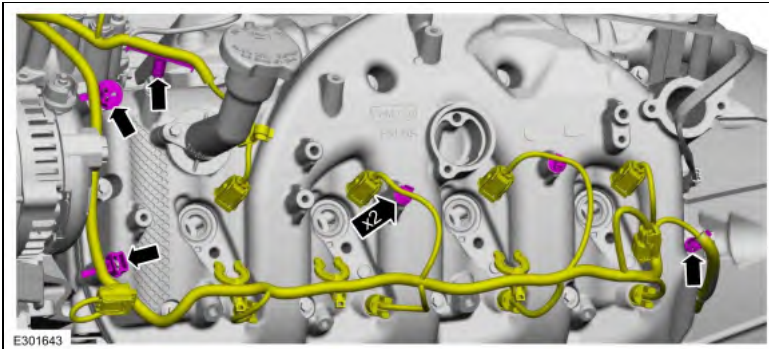


Valve Cover LH

Removal

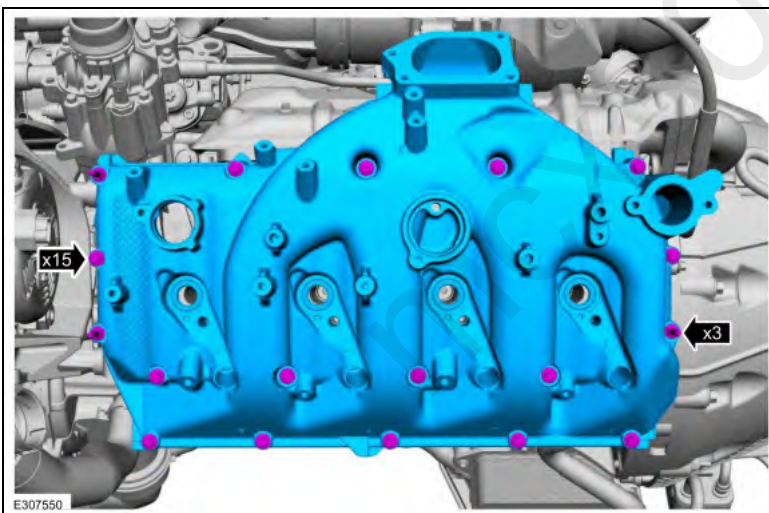
1. Remove the following items:
 1. Remove the LH fuel injectors.
Refer to: Fuel Injectors LH (303-04B Fuel Charging and Controls - 6.7L Power Stroke Diesel, Removal and Installation).
 2. Remove the LH fuel rail.
Refer to: Fuel Rail LH (303-04B Fuel Charging and Controls - 6.7L Power Stroke Diesel, Removal and Installation).
 3. Remove the LH glow plugs.
Refer to: Glow Plugs (303-07C Glow Plug System - 6.7L Power Stroke Diesel, Removal and Installation).
2. Disconnect the wire retainers and position aside the fuel injection harness.



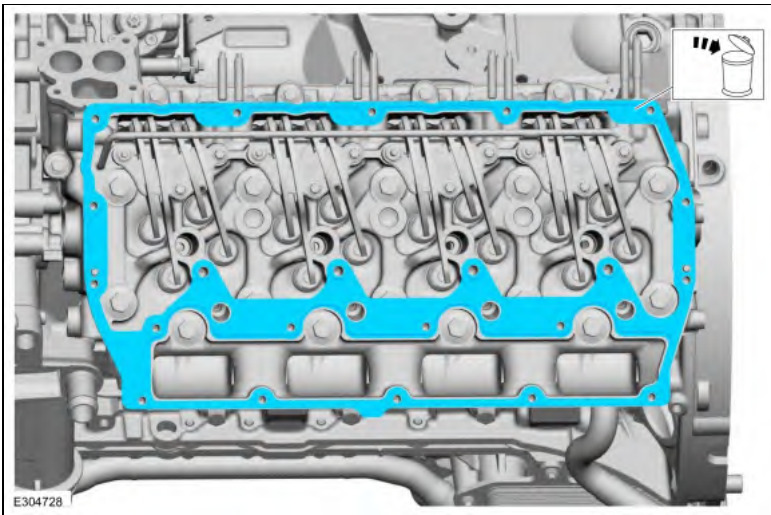
3. **NOTE:** It will be necessary to position aside the oil level indicator in order to remove the valve cover.

NOTE: Mark the location of the fasteners prior to removing the valve cover.

Remove the bolts, the stud bolts and the LH valve cover.

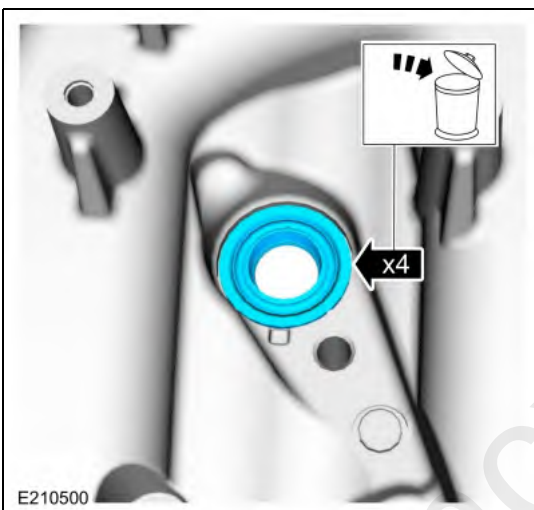


4. Remove and discard the valve cover gasket.



5. **NOTE:** Use the notch in the valve cover to aid in removing the fuel injector-to-valve cover seal.

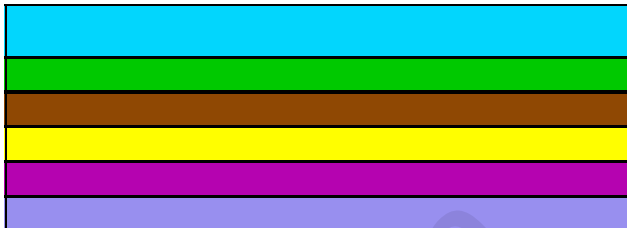
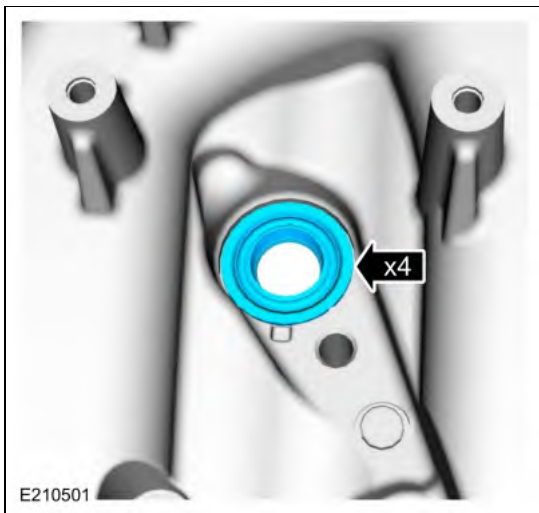
Remove and discard the fuel injector-to-valve cover seals.



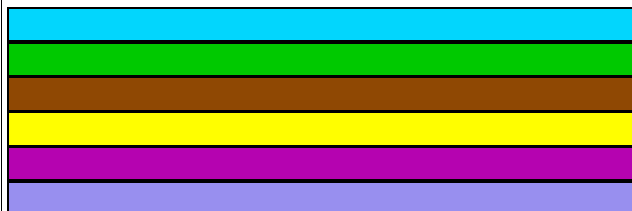
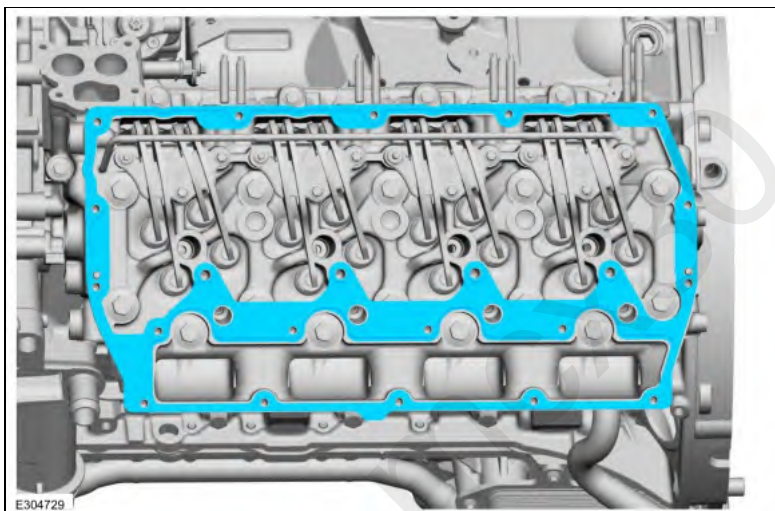
Installation

1. **NOTE:** Verify that the fuel injector-to-valve cover seal is squarely seated in the valve cover.

Using a 22 mm (0.866 in) socket or equivalent, install the new fuel injector-to-valve cover seals.



2. Install the new valve cover gasket.

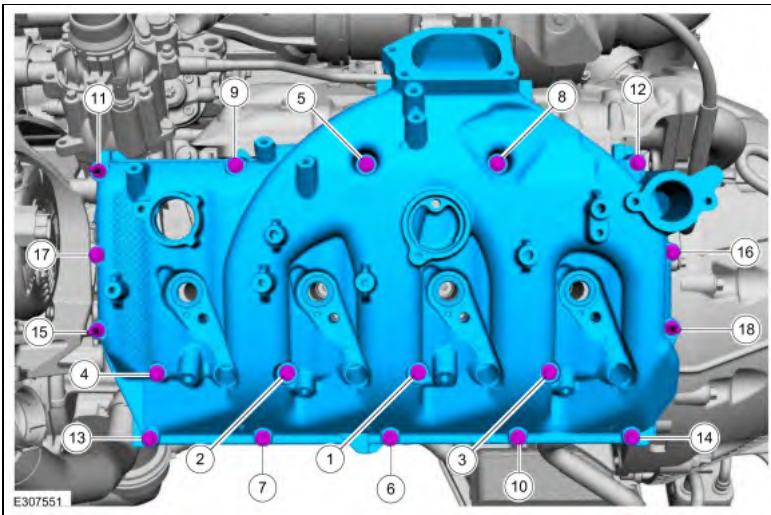


3. **NOTICE:** Failure to install the fuel injectors during the valve cover installation may result in engine failure.

NOTE: The valve cover will have to be tightened a second time after the fuel injectors are installed.

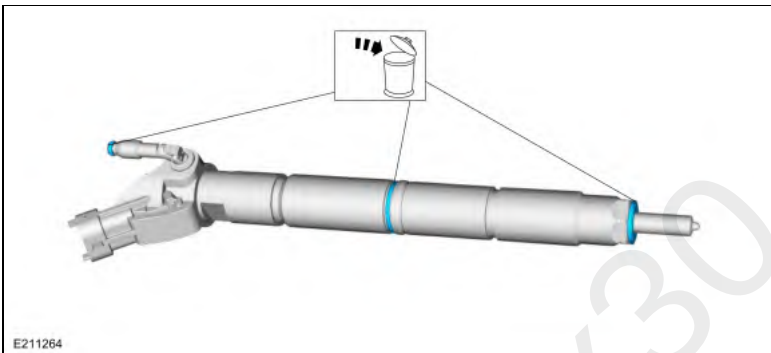
Install the LH valve cover, the stud bolts and the bolts.

Torque: 106 lb.in (12 Nm)



4. **NOTE:** Only one fuel injector shown.

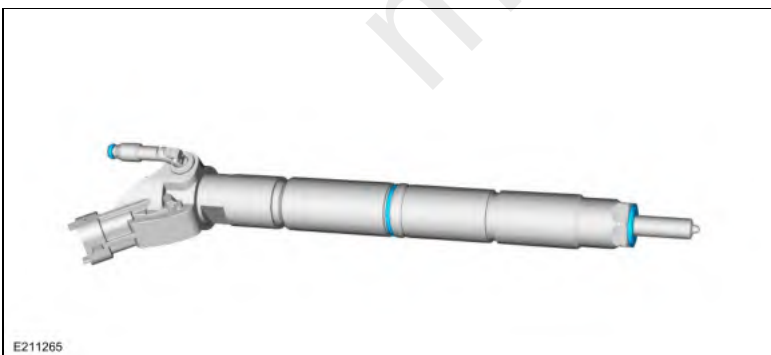
Remove and discard the O-ring seals and the copper combustion gasket.



5. **NOTE:** Do not apply engine oil to the fuel injectors.

NOTE: If the fuel injector is being reused, make sure to install it in the original location.

Install a new copper combustion gasket, O-ring seal and fuel injector return O-ring seal on the fuel injectors. Position the fuel injectors into the engine.



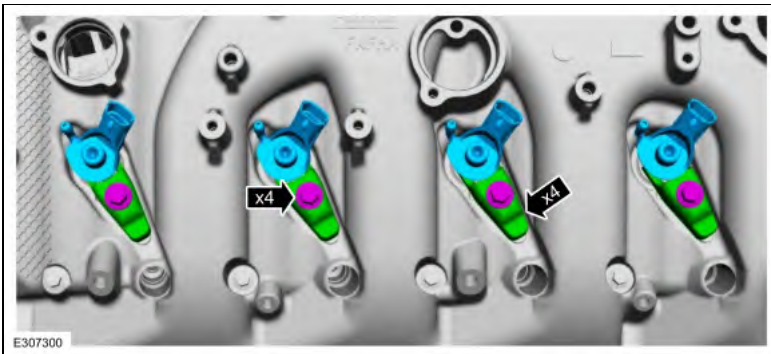
6. **NOTICE:** Failure to tighten the fuel injector correctly can lead to engine failure.

Install the hold-down clamps and the new fuel injector bolts.

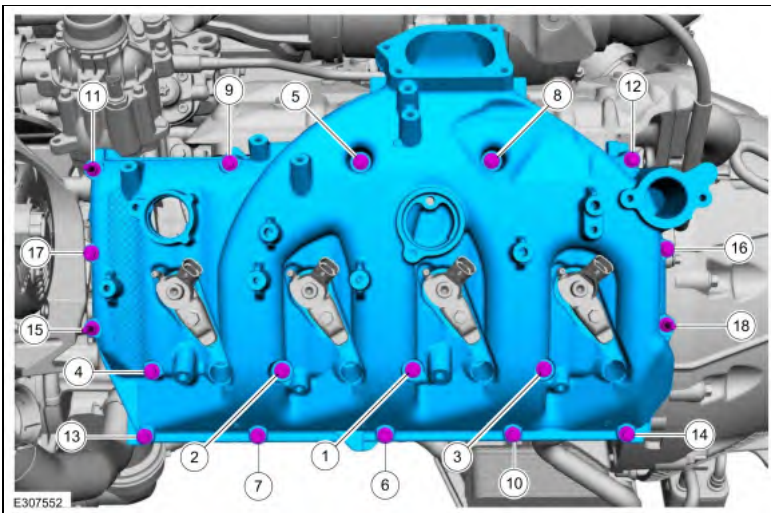
Torque:

Stage 1: 22 lb.ft (30 Nm)

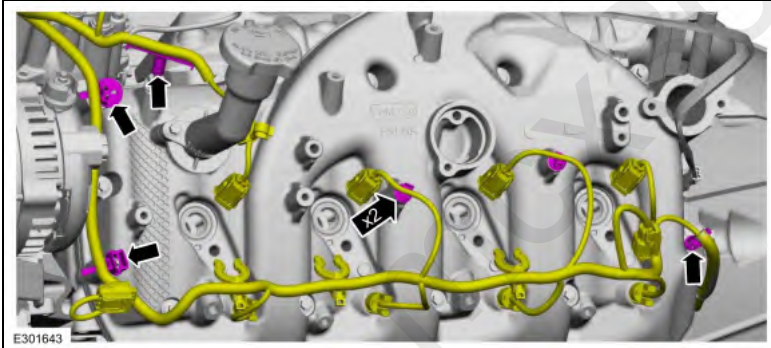
Stage 2: 90 Å°



7. Final tighten the valve cover bolts in the sequence shown.
Torque: 106 lb.in (12 Nm)



8. Position back the fuel injection harness and connect the retainers.



9. Install the following items:
1. Install the LH glow plugs.
Refer to: Glow Plugs (303-07C Glow Plug System - 6.7L Power Stroke Diesel, Removal and Installation).
 2. Install the LH fuel rail.
Refer to: Fuel Rail LH (303-04B Fuel Charging and Controls - 6.7L Power Stroke Diesel, Removal and Installation).