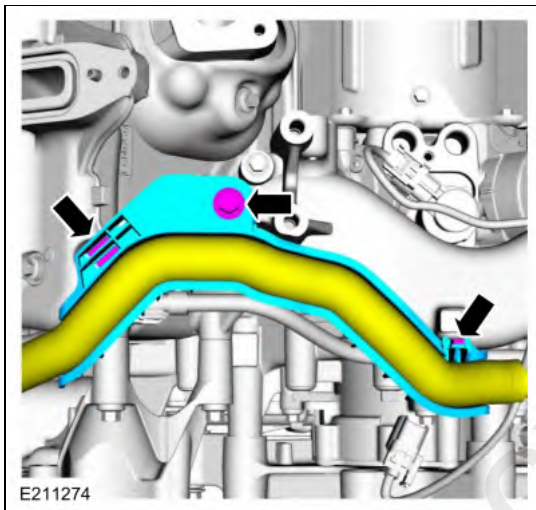


Valve Cover RH

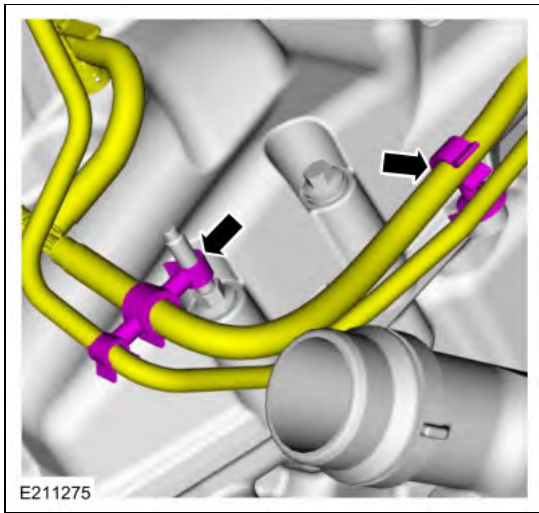
Removal

NOTE: For EXPORT ONLY vehicles (outside US/Canada) an Export Supplement is provided and should be referenced to identify differences that can impact service procedures. Vehicles can be identified by referring to the underhood Vehicle Emission Control Information (VECI) label which states, "Not certified for US EPA or CARB Regulations".

1. Remove the following items:
 1. Remove the EGR cooler.
Refer to: Exhaust Gas Recirculation (EGR) Cooler (303-08B Engine Emission Control - 6.7L Power Stroke Diesel, Removal and Installation).
 2. Remove the RH fuel injectors
Refer to: Fuel Injectors RH (303-04B Fuel Charging and Controls - 6.7L Power Stroke Diesel, Removal and Installation).
 3. Remove the RH fuel rail.
Refer to: Fuel Rail RH (303-04B Fuel Charging and Controls - 6.7L Power Stroke Diesel, Removal and Installation).
 4. Remove the RH glow plugs.
Refer to: Glow Plugs (303-07C Glow Plug System - 6.7L Power Stroke Diesel, Removal and Installation).
2.
 - Remove the bolt and disconnect the engine wire harness retainers.
 - Pull forward to disconnect the engine wire harness retainer and then pull up to disconnect the other retainer. Position aside the engine wire harness.

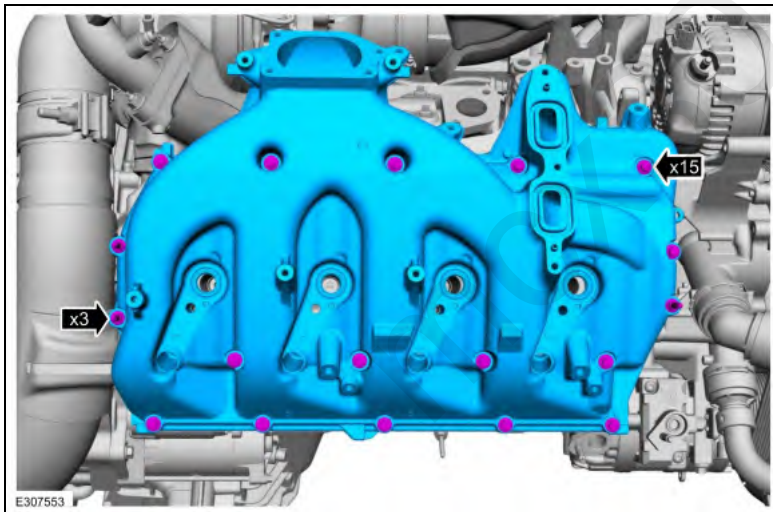


3. Disconnect the retainer from the stud bolt and the fuel return hose from the retainer.

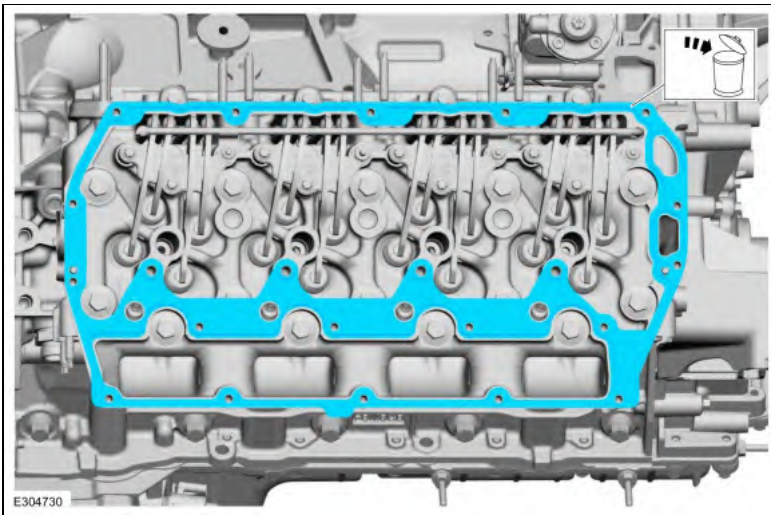


4. **NOTE:** Mark the location of the fasteners prior to removing the valve cover.

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

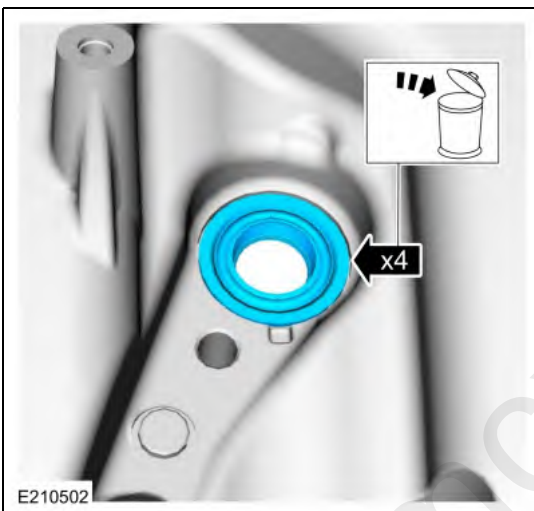


5. Remove and discard the valve cover gasket.



6. **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.



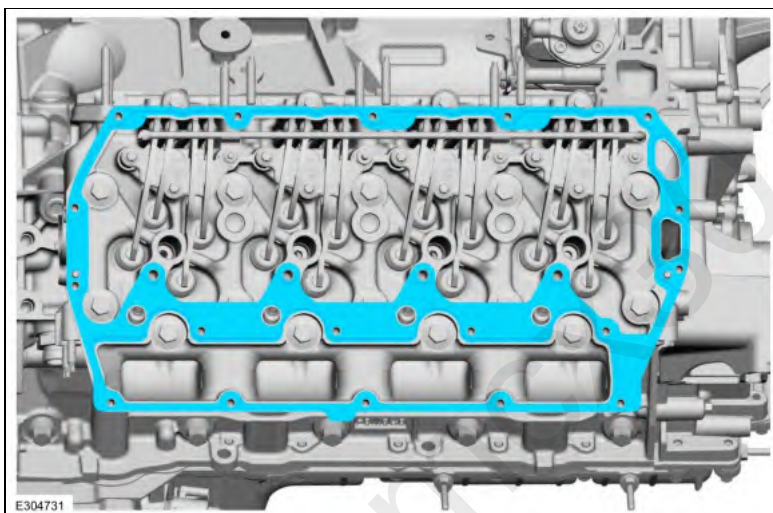
Installation

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.

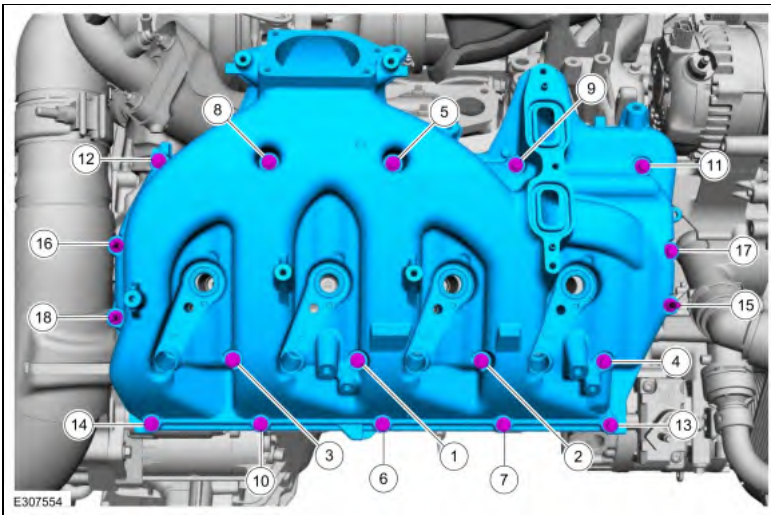


3. **NOTICE:** Failure to install the fuel injectors during the valve cover installation may result in engine failure.

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

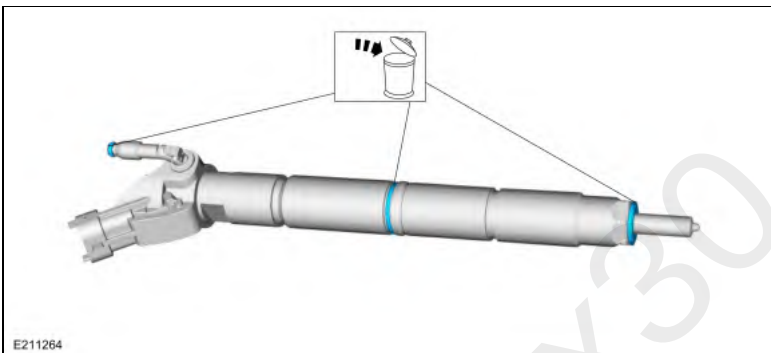
Install the RH valve cover, the stud bolts and the bolts.

Torque: 106 lb.in (12 Nm)



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

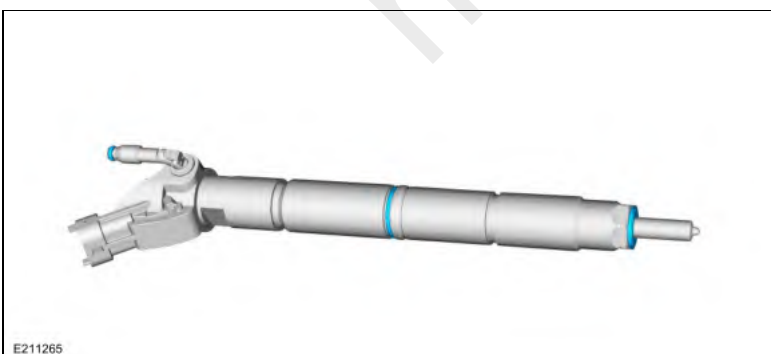
Remove and discard the O-ring seals and the copper combustion gasket.



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.

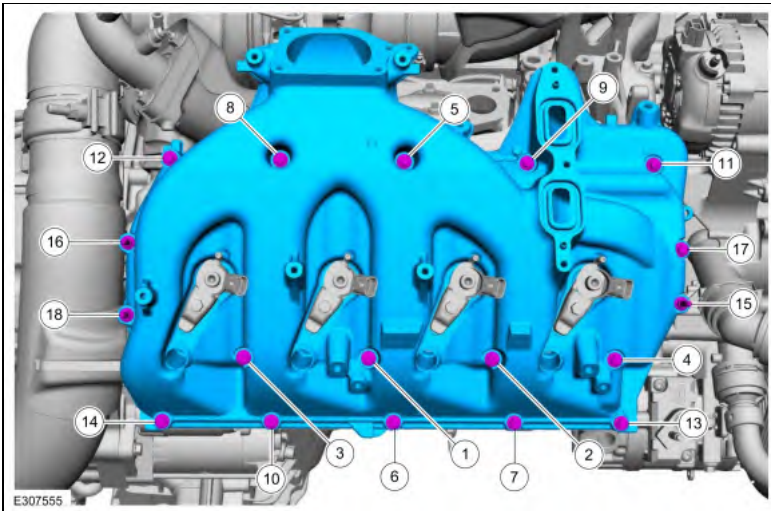
Torque:

Stage 1: 22 lb.ft (30 Nm)

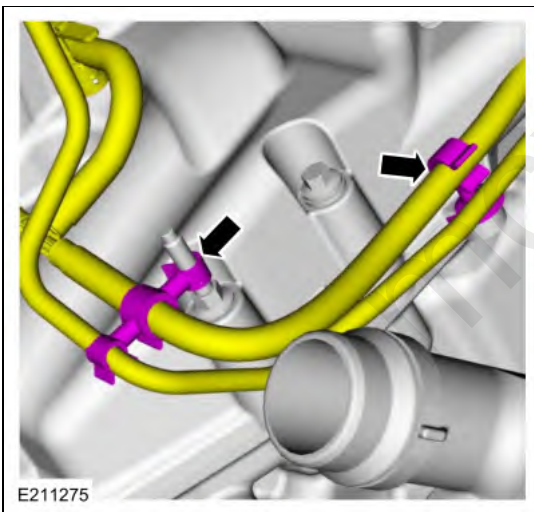
Stage 2: 90 Å°



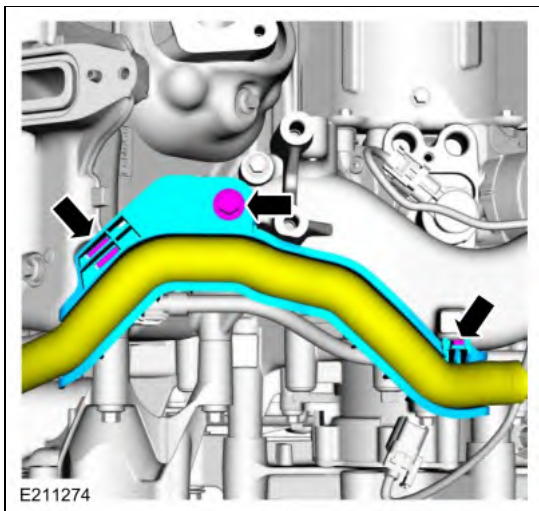
7. Final tighten the valve cover bolts in the sequence shown.
Torque: 106 lb.in (12 Nm)



8. Connect the fuel return hose to the retainer and the retainer to the stud bolt.



9. Position the engine wire harness and connect the harness retainers. Install the bolt.
Torque: 106 lb.in (12 Nm)



10. Install the following items:

1. Install the RH glow plugs.
Refer to: Glow Plugs (303-07C Glow Plug System - 6.7L Power Stroke Diesel, Removal and Installation).
2. Install the RH fuel rail.
Refer to: Fuel Rail RH (303-04B Fuel Charging and Controls - 6.7L Power Stroke Diesel, Removal and Installation).
3. Install the EGR cooler.
Refer to: Exhaust Gas Recirculation (EGR) Cooler (303-08B Engine Emission Control - 6.7L Power Stroke Diesel, Removal and Installation).