

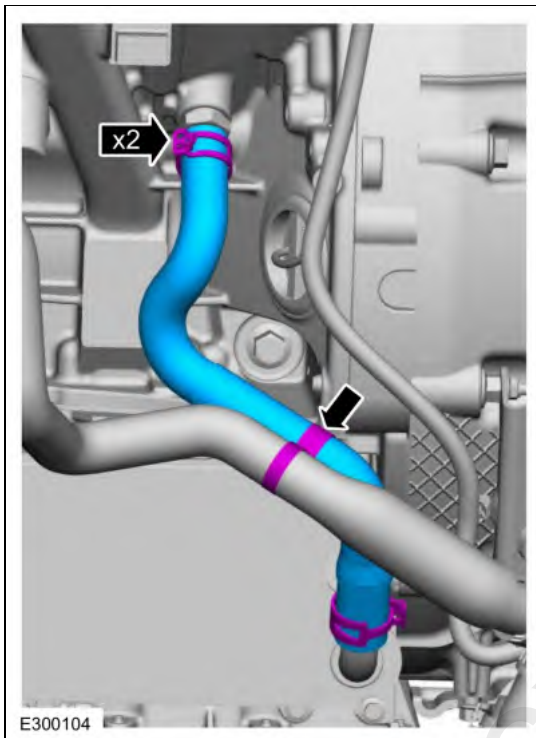
Oil Cooler

Special Tool(s) / General Equipment

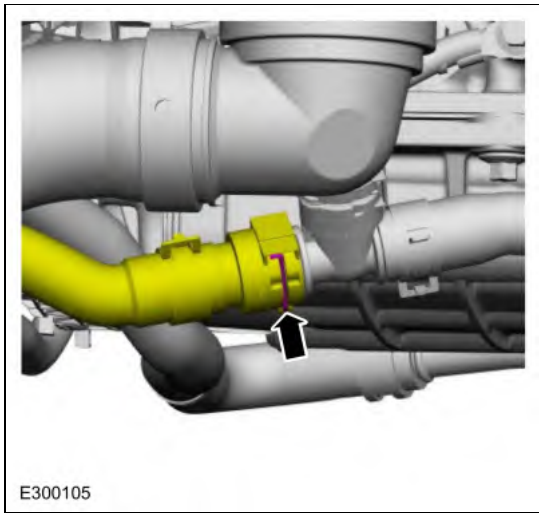
Hose Clamp Remover/Installer

Removal

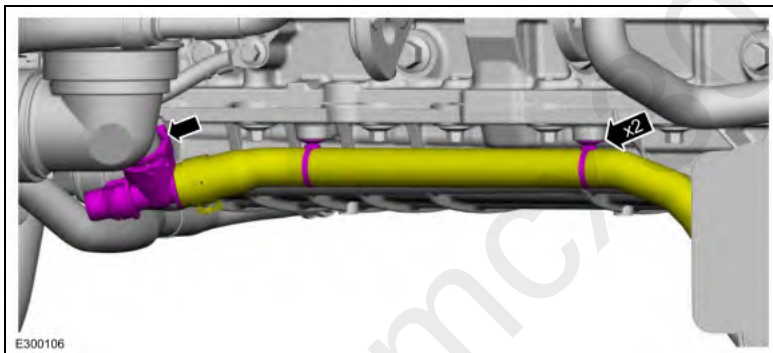
1. Drain the cooling system.
Refer to: Engine Cooling System Draining, Vacuum Filling and Bleeding (303-03B Engine Cooling - 6.7L Power Stroke Diesel, General Procedures).
2. Disconnect the hose retainer. Remove the oil cooler inlet hose.
Use the General Equipment: Hose Clamp Remover/Installer



3. Remove the clip and disconnect the heater hose.

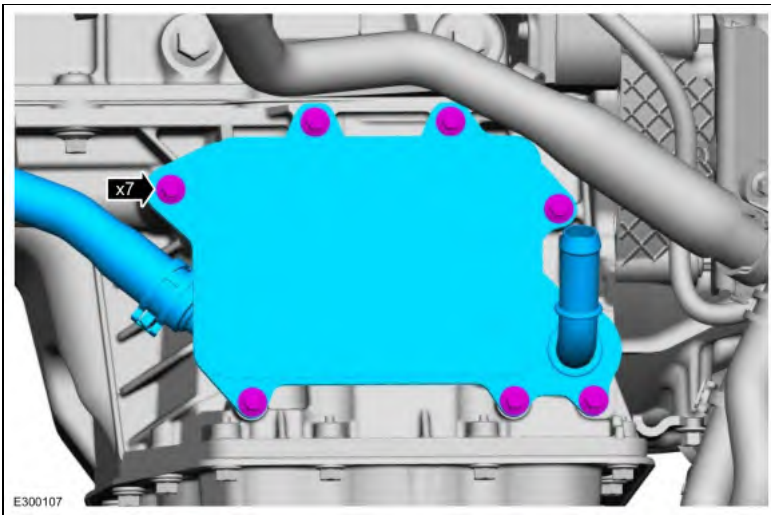


4. Remove the clip and disconnect the oil cooler outlet hose. Disconnect the coolant hose retainers from the upper oil pan.

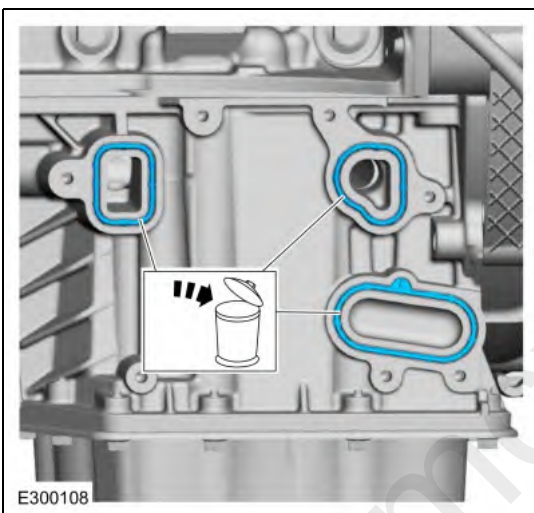


5. **NOTICE:** In the event of catastrophic engine failure, always install a new oil cooler assembly. Foreign material cannot be removed from the oil cooler and engine damage may occur.

Remove the bolts and the oil cooler assembly.

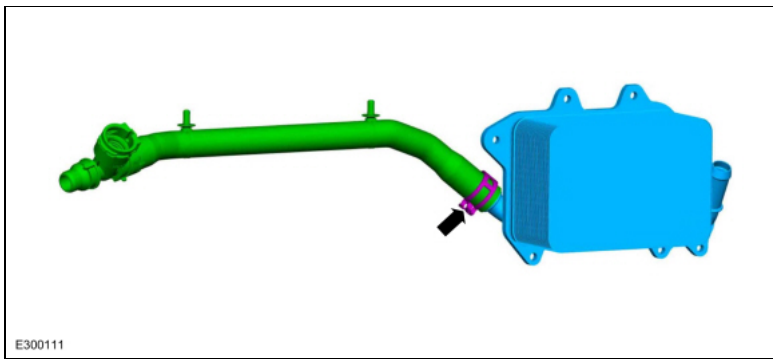


6. Remove and discard the oil cooler gaskets.



7. If necessary, remove the oil cooler outlet hose from the oil cooler assembly.

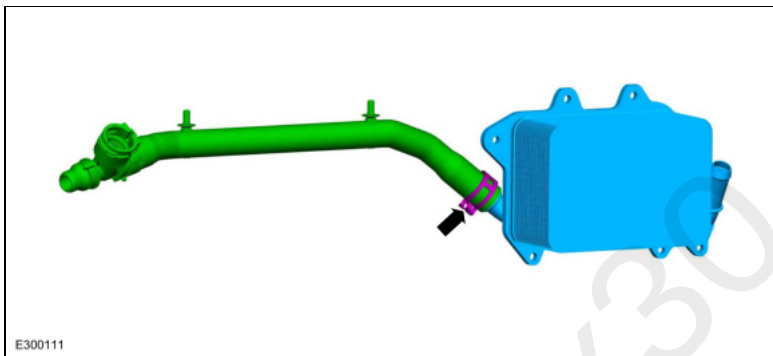
Use the General Equipment: Hose Clamp Remover/Installer



Installation

1. If necessary, install the oil cooler outlet hose onto the oil cooler assembly.

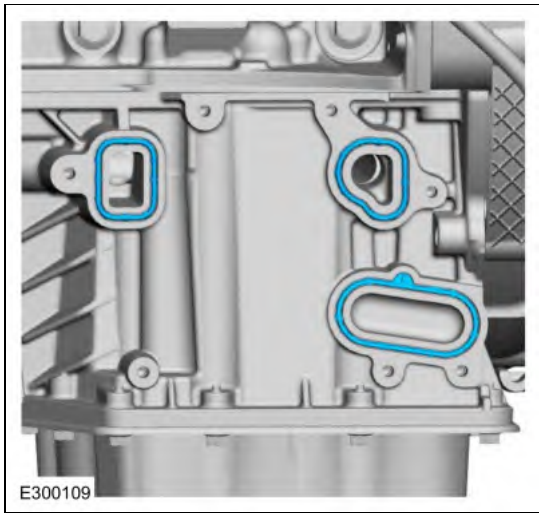
Use the General Equipment: Hose Clamp Remover/Installer



Category	Value
1	100
2	100
3	100
4	100
5	100
6	100

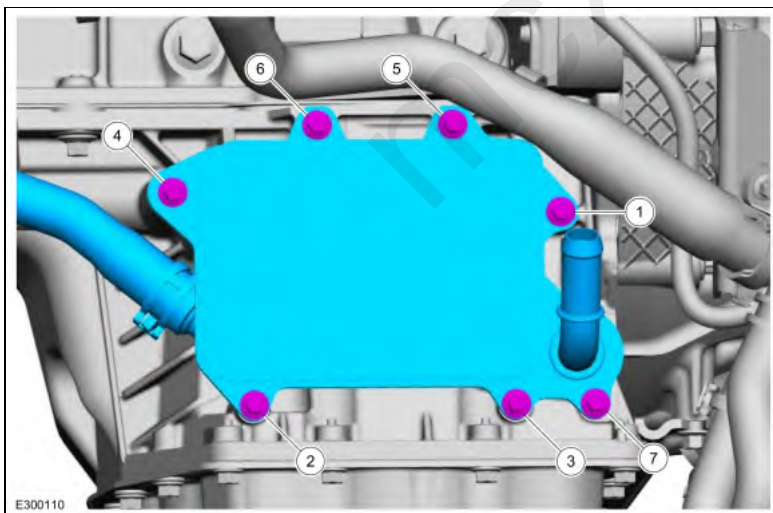
2. **NOTE:** Make sure that the mating surfaces are clean and free of foreign materials.

Install the new oil cooler gaskets.

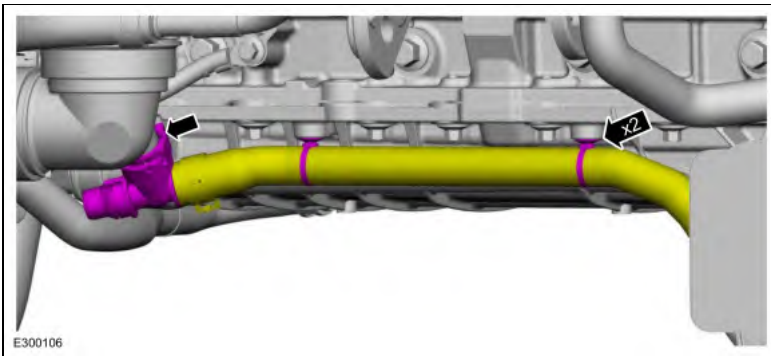


3. **NOTICE:** In the event of catastrophic engine failure, always install a new oil cooler assembly. Foreign material cannot be removed from the oil cooler and engine damage may occur.

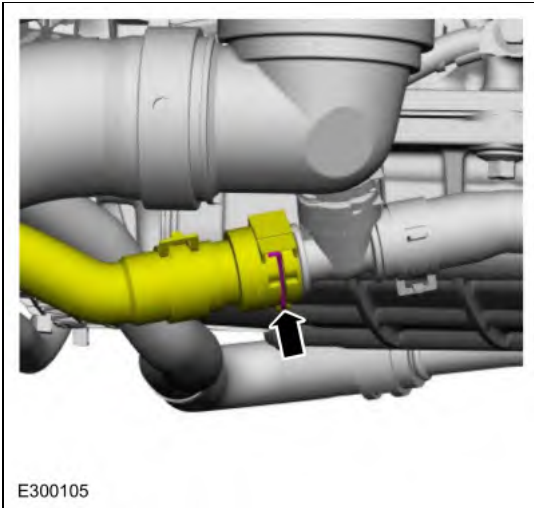
- Stage 1: Install the oil cooler assembly and hand start number 2, 4 and 7 bolts.
- Stage 2: Hand start number 1, 3, 5 and 6 bolts.
- Stage 3: Tighten to 2 Nm (18 lb-in) in a counter clockwise sequence starting with the number 1 bolt.
- Stage 4: Tighten to 10 Nm (89 lb-in) in a counter clockwise sequence starting with the number 1 bolt.



4. Connect the oil cooler outlet hose and install the clip. Connect the coolant hose retainers to the upper oil pan.

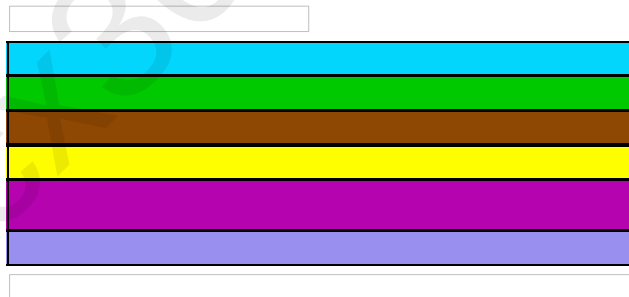
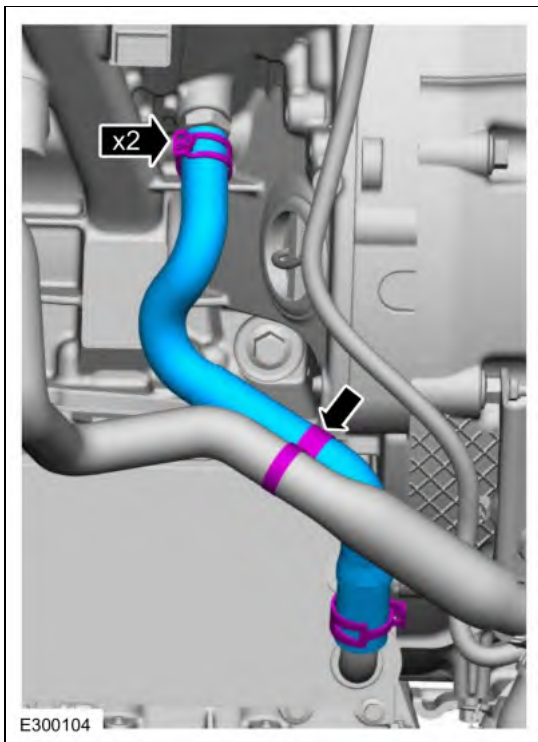


5. Connect the heater hose and install the clip.



6. Install the oil cooler inlet hose. Connect the hose retainer.
Use the General Equipment: Hose Clamp Remover/Installer

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7. **NOTICE:** Evaluate the cooling system condition before filling the engine cooling system. Failure to follow these instructions can result in damage to the engine.

Evaluate the cooling system condition.

Refer to: Engine Cooling System Condition Evaluation (303-03B Engine Cooling - 6.7L Power Stroke Diesel, General Procedures).

8. Check and top off the engine oil with the correct engine oil for the climate.
Refer to: Specifications (303-01B Engine - 6.7L Power Stroke Diesel, Specifications).