

Oil Cooler

Special Tool(s) / General Equipment

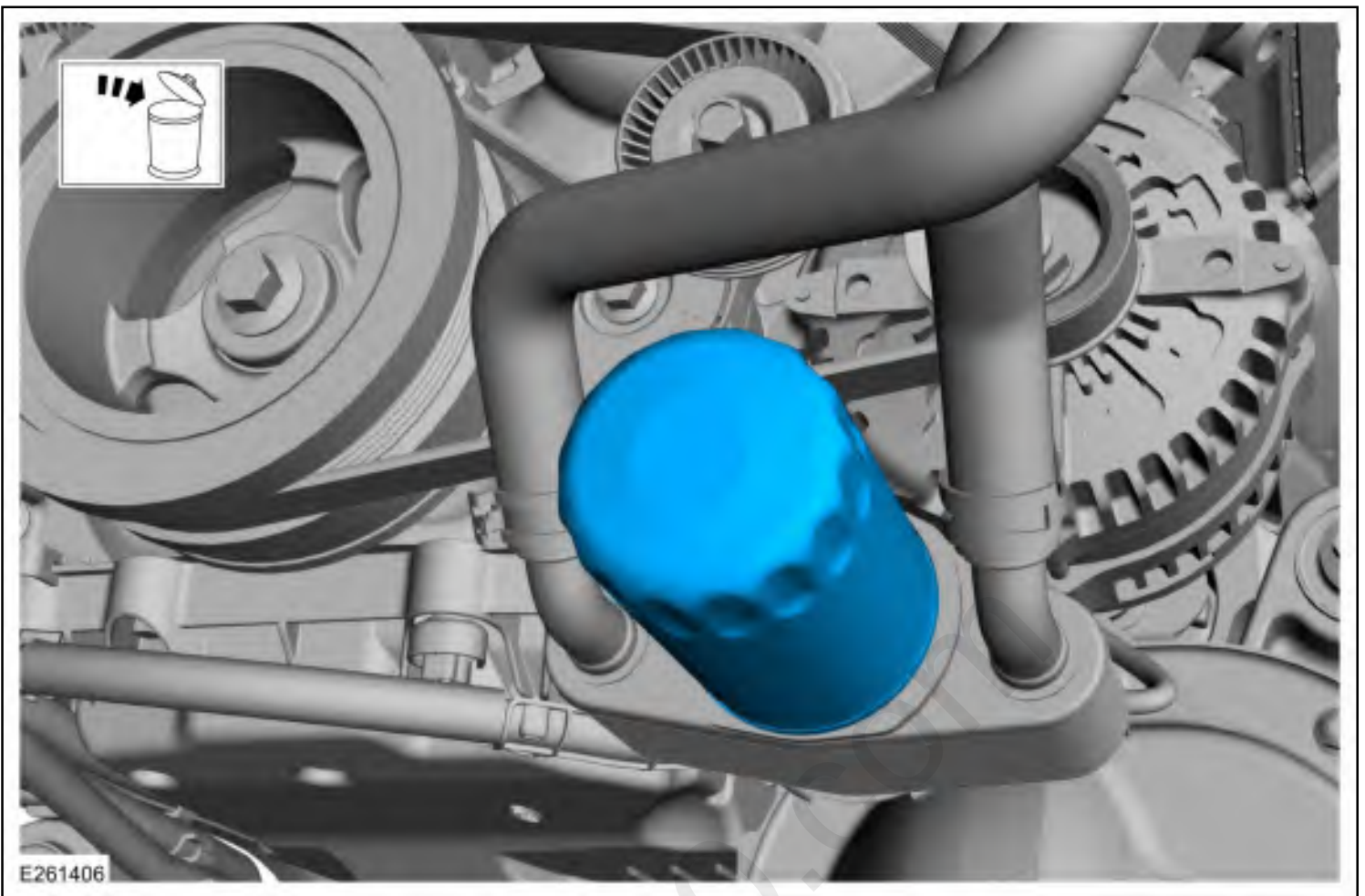
Locking Pliers

Materials

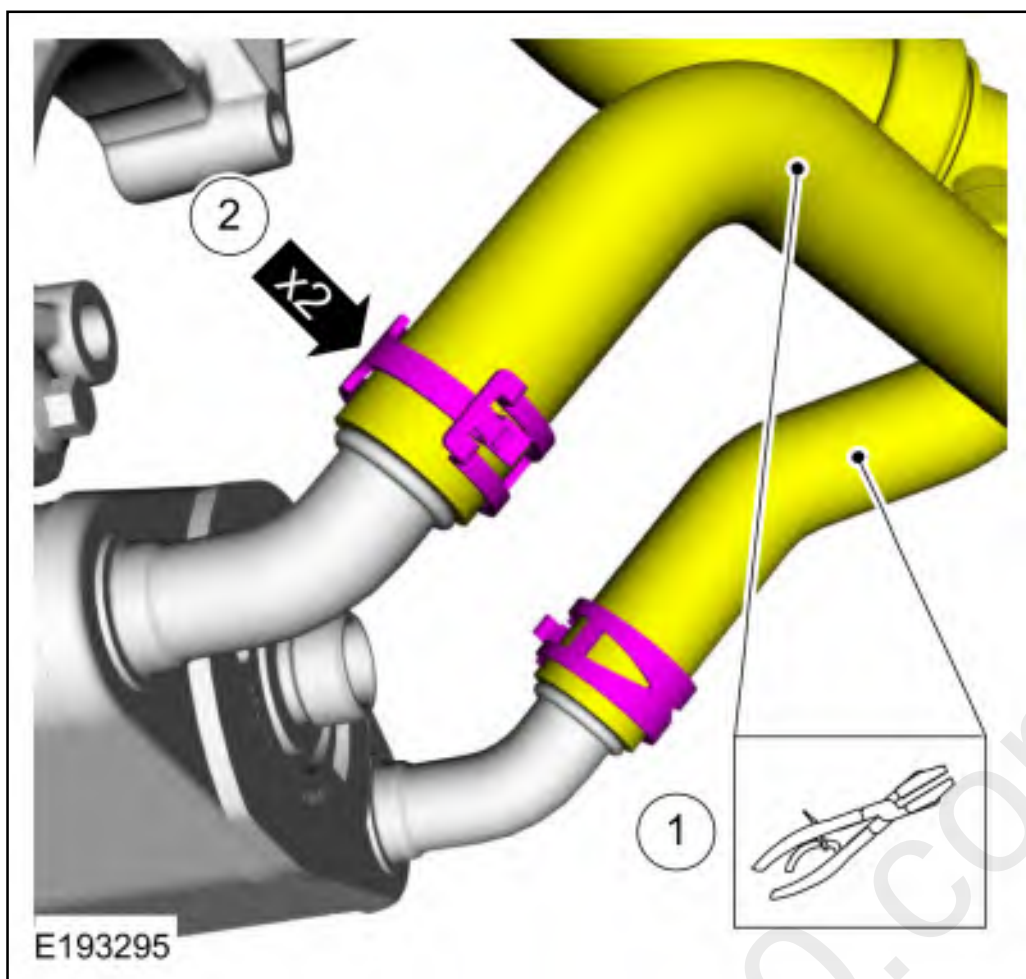
Name	Specification
Motorcraft® Orange Concentrated Antifreeze/Coolant VC-3-B	WSS-M97B44-D

Removal

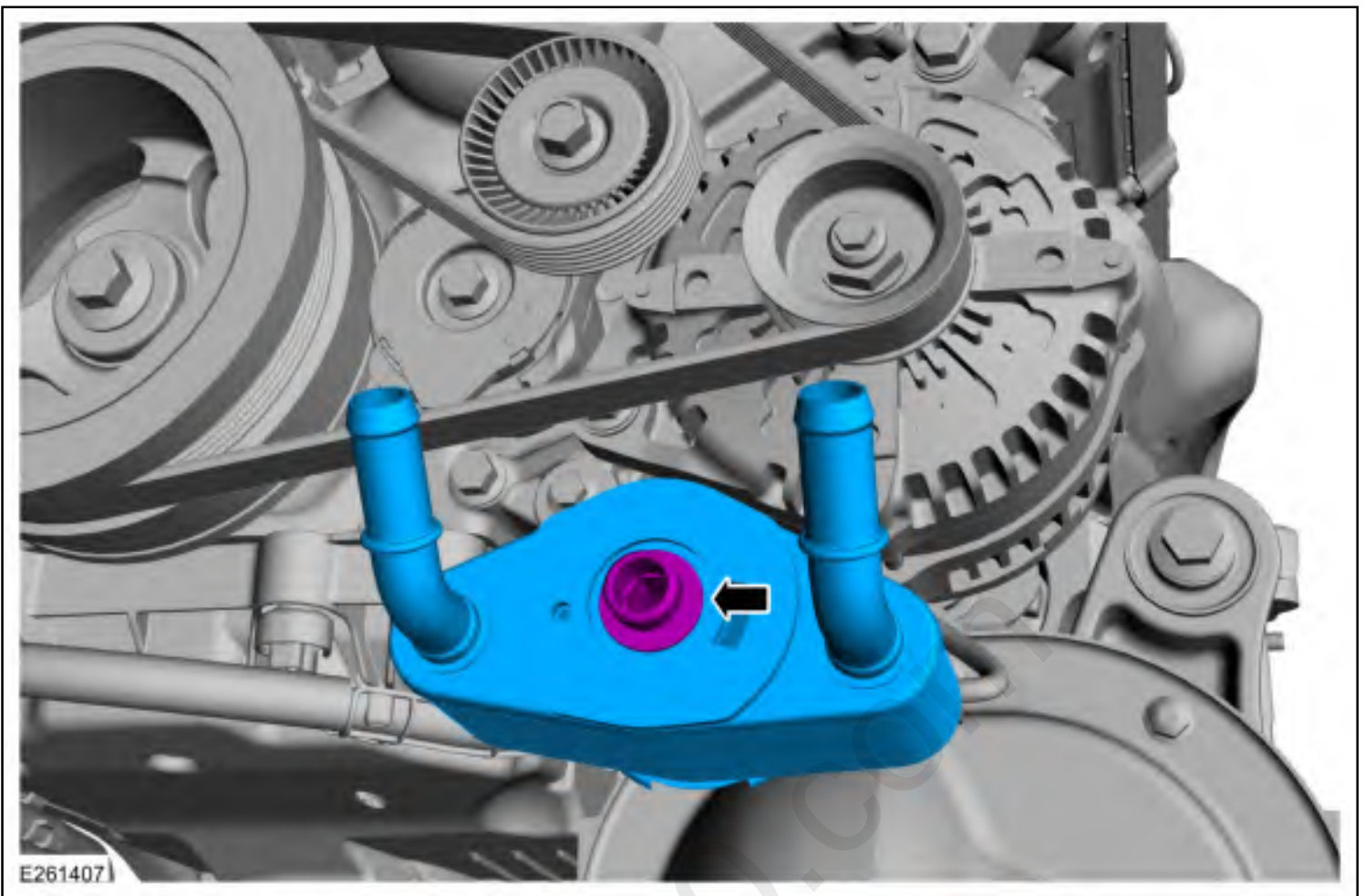
1. With the vehicle in NEUTRAL, position it on a hoist.
Refer to: [Jacking and Lifting - Overview](#) (100-02 Jacking and Lifting, Description and Operation).
2. Remove and discard the engine oil filter.



- Using hose locking pliers, clamp the oil cooler coolant hoses.
Use the General Equipment: Locking Pliers
- Disconnect the coolant hoses.



4. Remove the retainer and the oil cooler.



5. Remove and discard the gasket.



6. **NOTICE:** If metal or aluminum material is present in the oil cooler, mechanical concerns exist. Failure to correct these concerns may cause engine failure. To diagnose mechanical concerns, refer to Section 303-00.

Inspect the oil cooler.

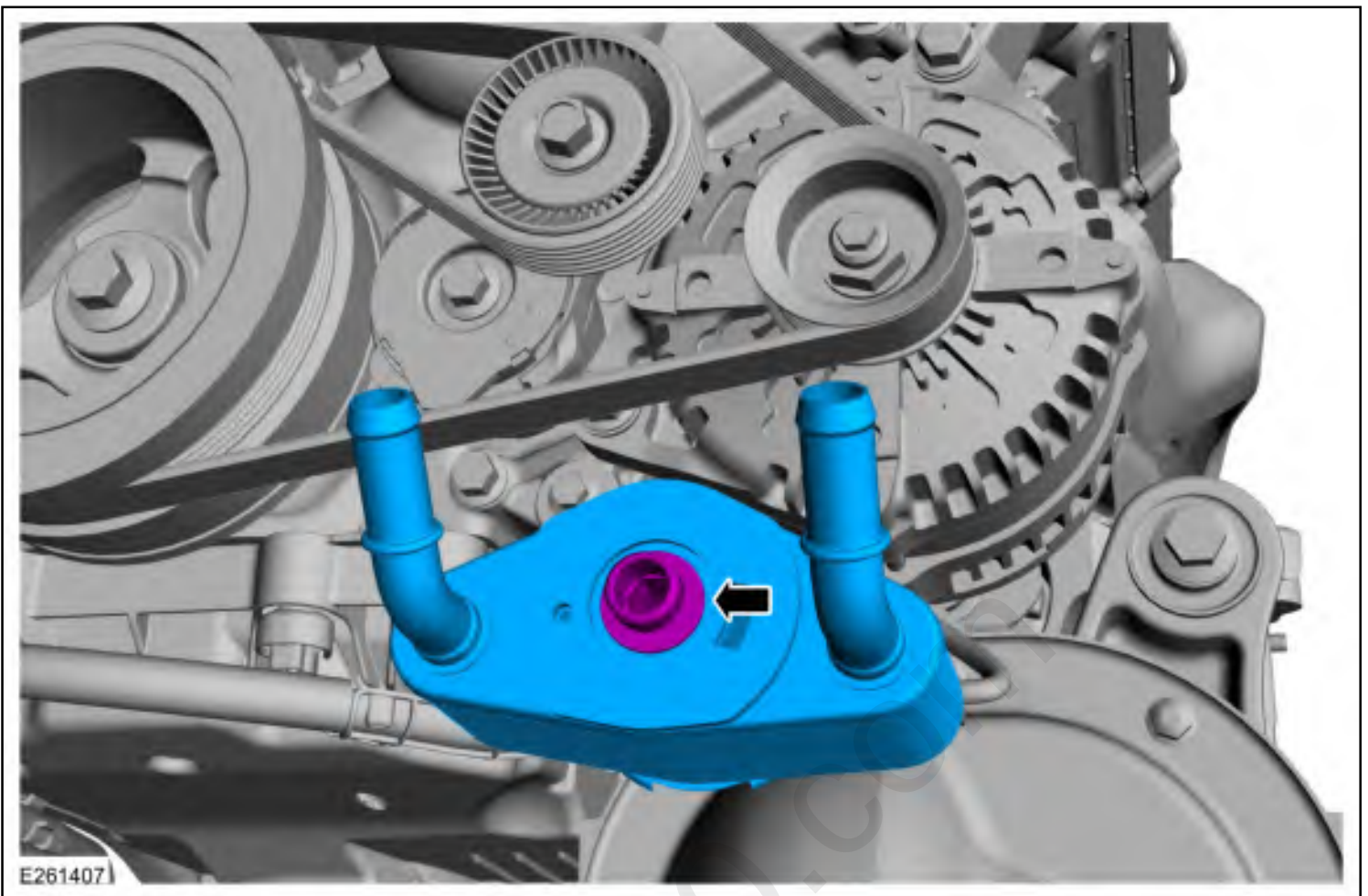


Installation

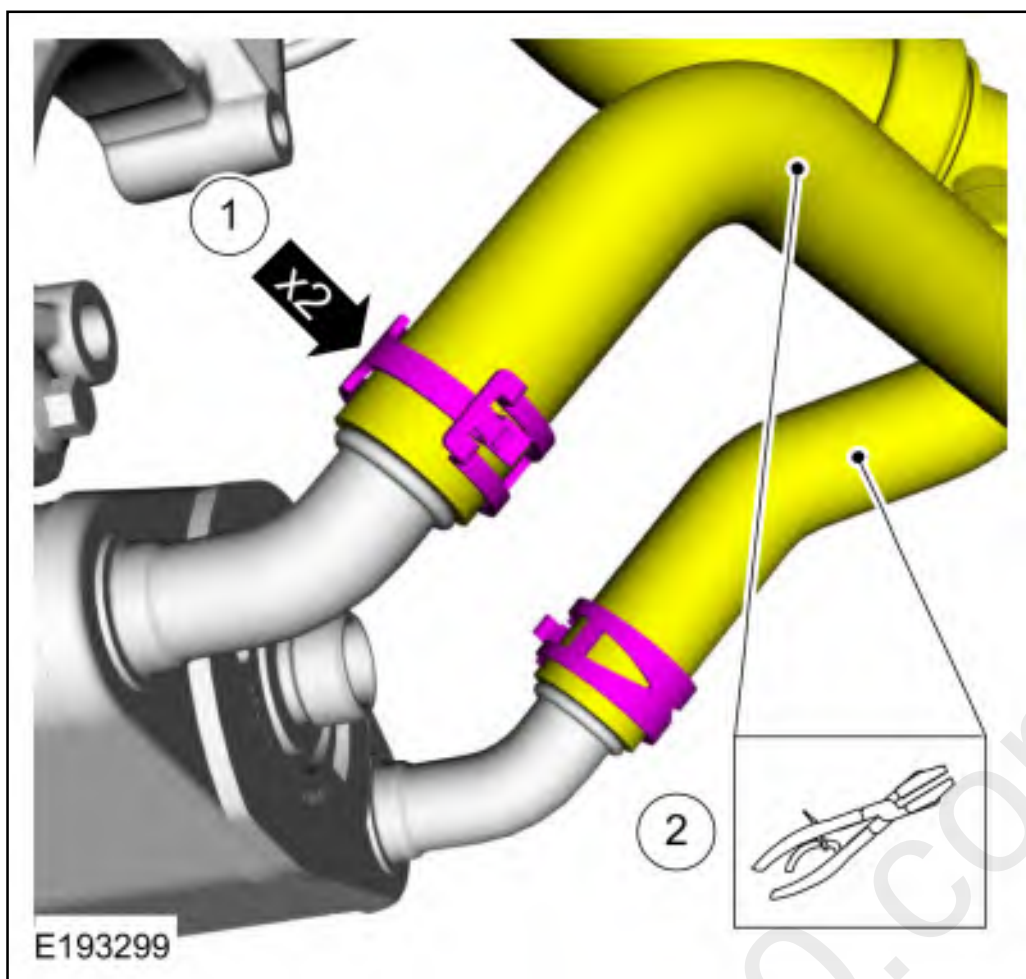
1. Install a new gasket.



2. Install the oil cooler and the retainer.
Torque: 43 lb.ft (58 Nm)



- Connect the coolant hoses.
- Remove the hose locking pliers.
Use the General Equipment: Locking Pliers



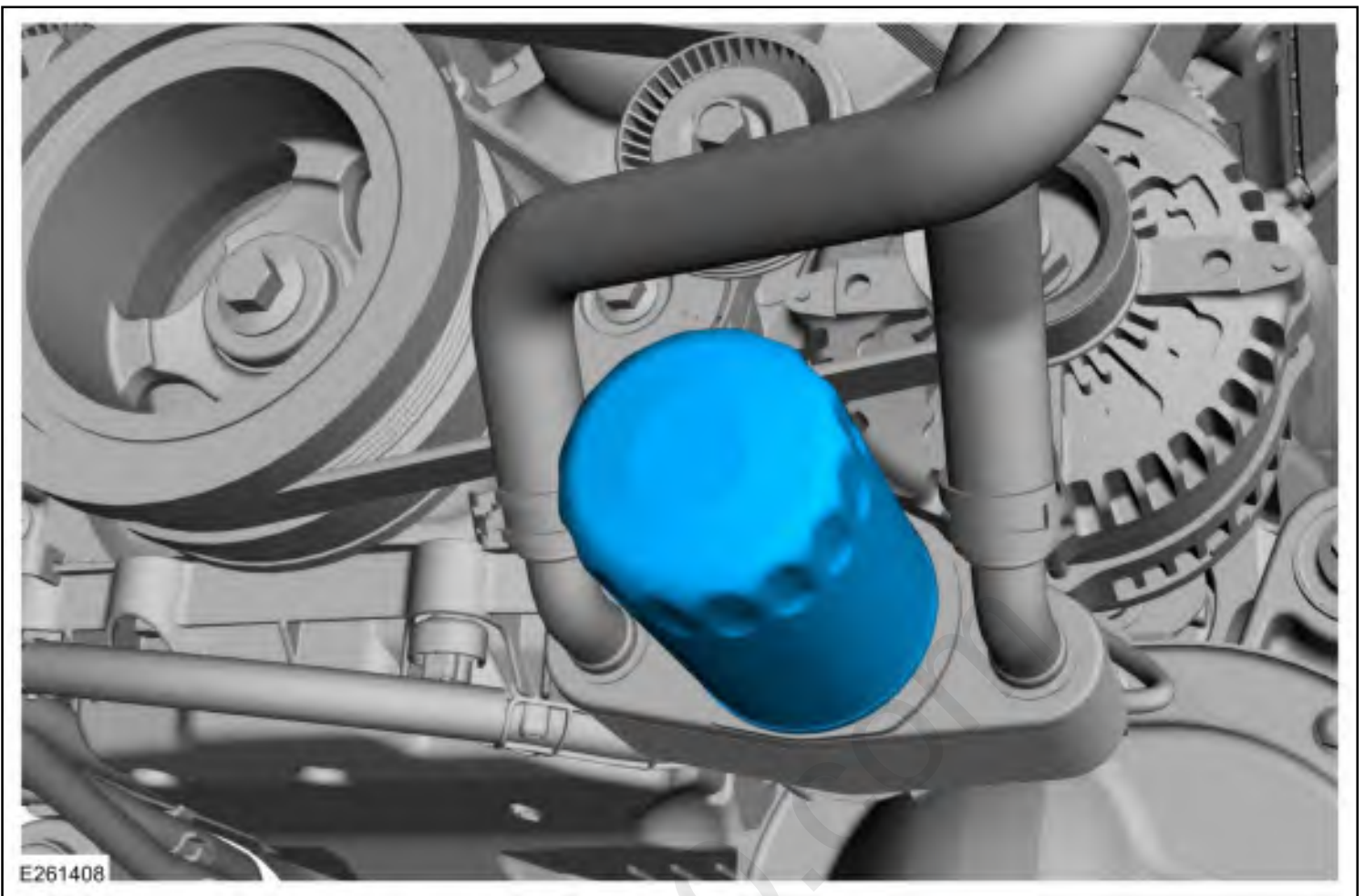
4. **NOTE:** Do not lubricate the O-ring seal.

Install a new oil filter.

Torque:

Stage 1: 44 lb.in (5 Nm)

Stage 2: 180°



5. Inspect and adjust the coolant level in the degas bottle

Material: Motorcraft® Orange Concentrated Antifreeze/Coolant / VC-3-B (WSS-M97B44-D)

6. Inspect and adjust the engine oil level.

Refer to: [Specifications](#) (303-01D Engine - 5.0L 32V Ti-VCT, Specifications).