

303-01B Engine - 3.5L Duratec (209kW/284PS)
Removal and Installation

2015 F-150
Procedure revision date: 10/1/2014

Oil Cooler

Special Tool(s) / General Equipment

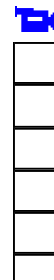
Oil Drain Equipment
Hose Clamp Remover/Installer
Locking Pliers

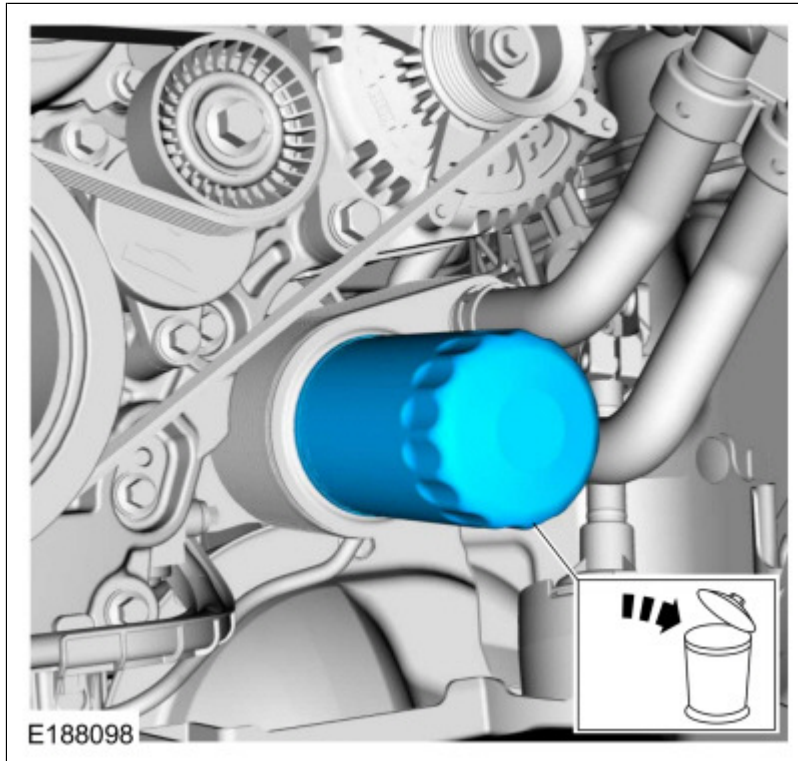
Materials

Name	Specification
Motorcraft® SAE 5W-20 Premium Synthetic Blend Motor Oil (U.S.) XO-5W20-QSP (U.S.)	WSS-M2C945-A
Motorcraft® Orange Antifreeze/Coolant Concentrated (U.S.) VC-3-B (U.S.)	WSS-M97B44-D

Removal

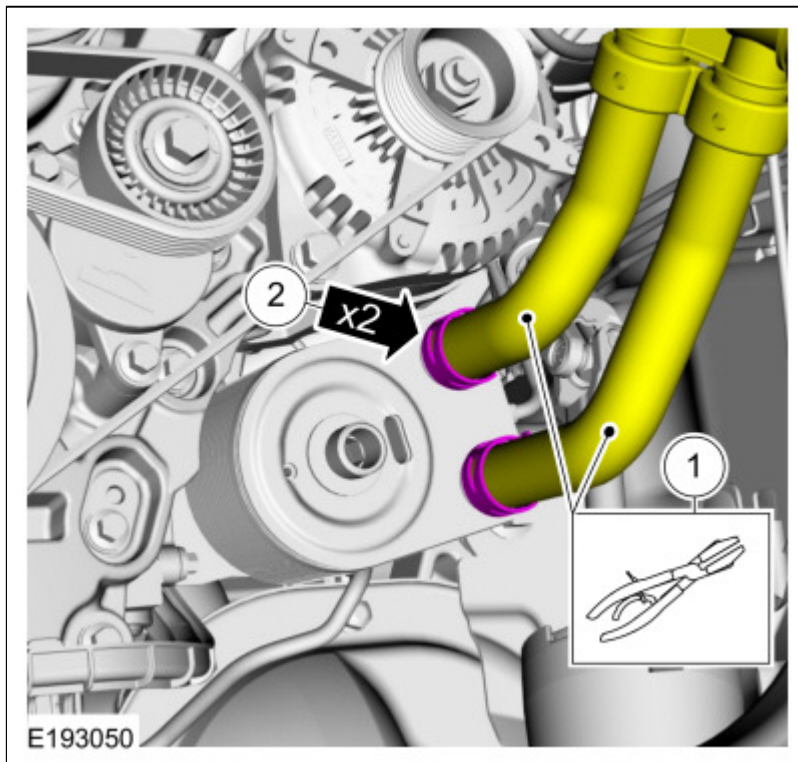
1. With the vehicle in NEUTRAL, position it on a hoist.
Refer to: [Jacking and Lifting - Overview](#) (100-02 Jacking and Lifting, Description and Operation).
2. Remove and discard the engine oil filter.
Use the General Equipment: Oil Drain Equipment





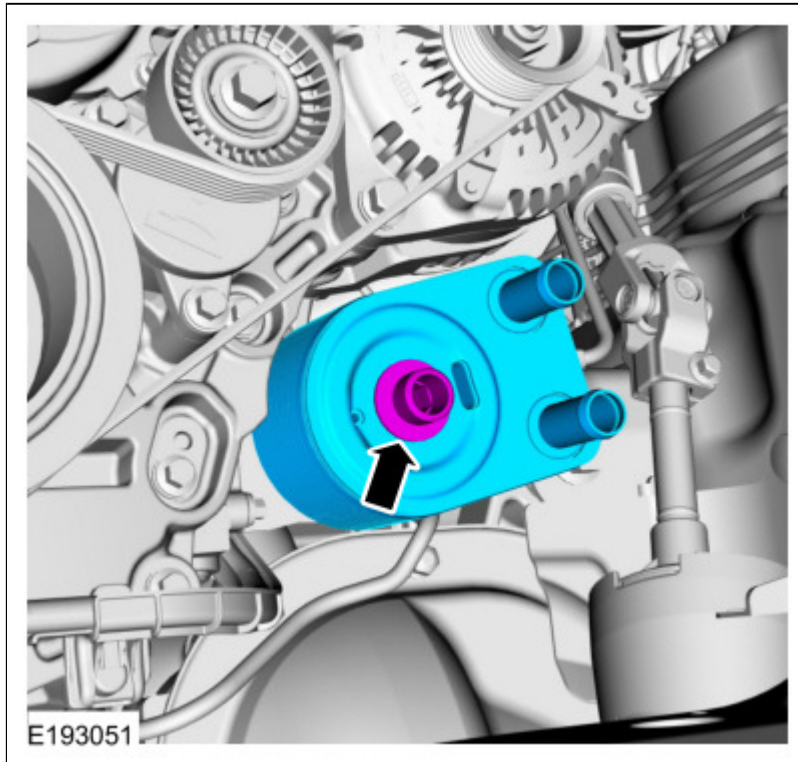
3.

1. Using hose locking pliers, clamp the oil cooler coolant hoses.
Use the General Equipment: Locking Pliers
2. Using the hose clamp remover, remove the coolant hoses.
Use the General Equipment: Hose Clamp Remover/Installer



4. **NOTICE:** If metal or foreign material is present in the oil cooler, mechanical concerns exist. To diagnose the mechanical concerns refer to section 303-00.

Remove the bolt and the oil cooler.

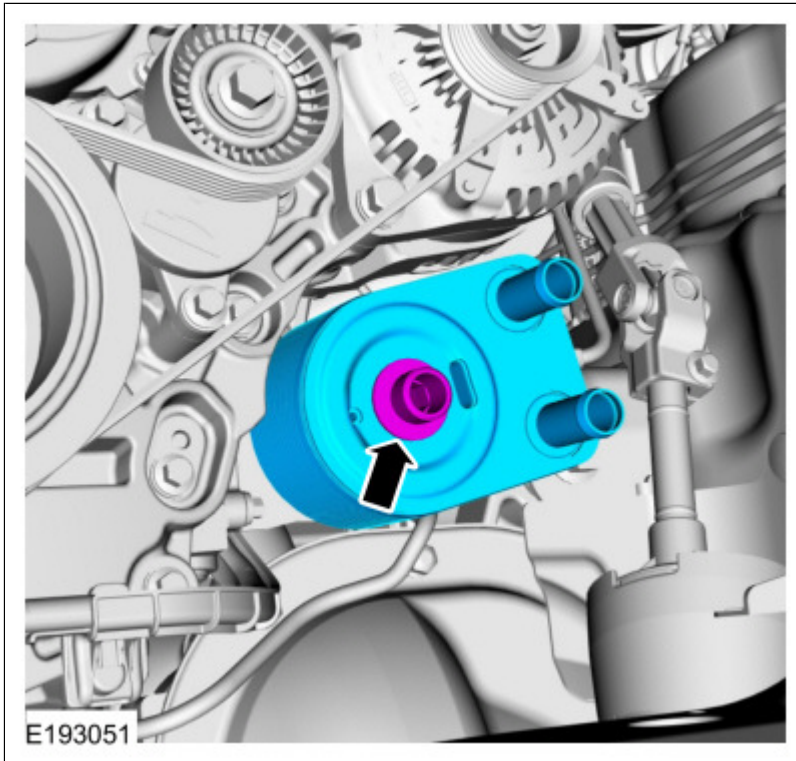


Installation

1. **NOTE:** Make sure the oil cooler-to-oil filter adapter is aligned.

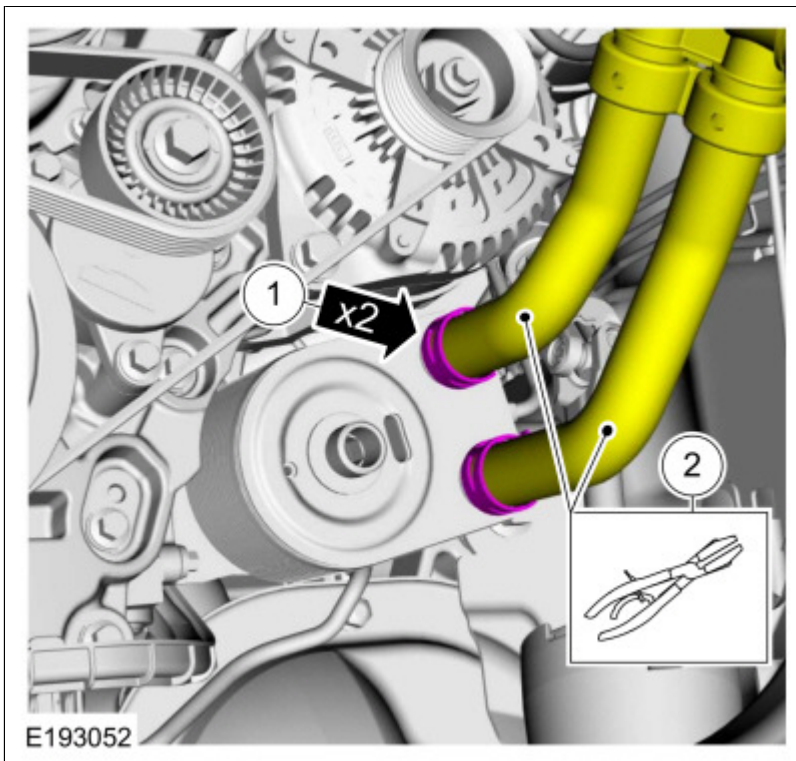
Install the oil cooler and the bolt.
Torque: 43 lb.ft (58 Nm)





2.

1. Using the hose clamp installer, install the coolant hoses.
Use the General Equipment: Hose Clamp Remover/Installer
2. Remove the hose locking pliers.



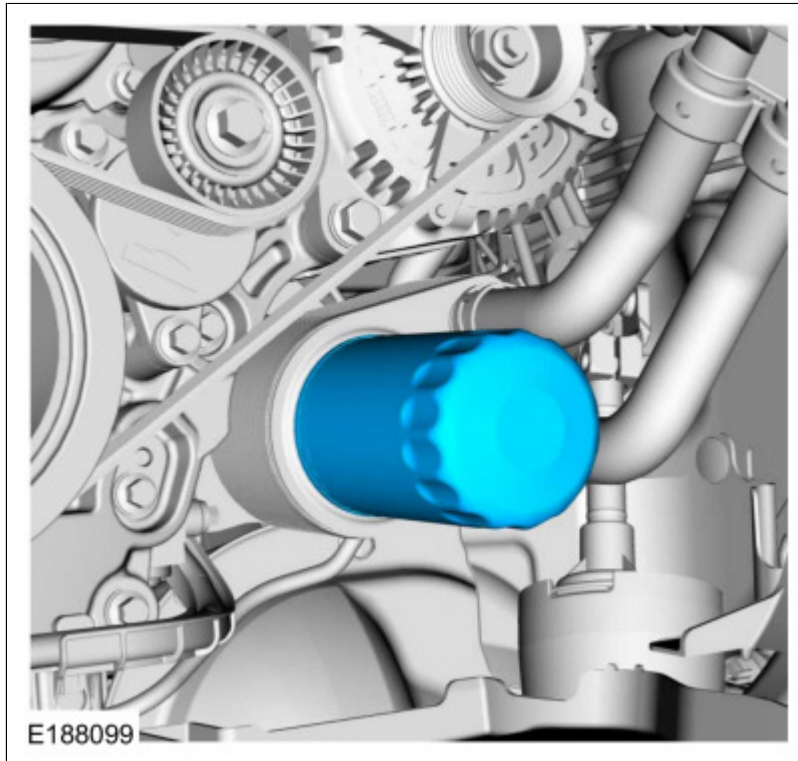
- NOTE:** Do not lubricate the engine oil filter gasket.

Install a new engine oil filter.

Torque:

Stage 1: 44 lb.in (5 Nm)

Stage 2: 180°



- Inspect and adjust the coolant level in the degas bottle.
Material: Motorcraft® Orange Antifreeze/Coolant Concentrated (U.S.) / VC-3-B (U.S.) (WSS-M97B44-D)
- Inspect and adjust the engine oil level.
Material: Motorcraft® SAE 5W-20 Premium Synthetic Blend Motor Oil (U.S.) / XO-5W20-QSP (U.S.) (WSS-M2C945-A)

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