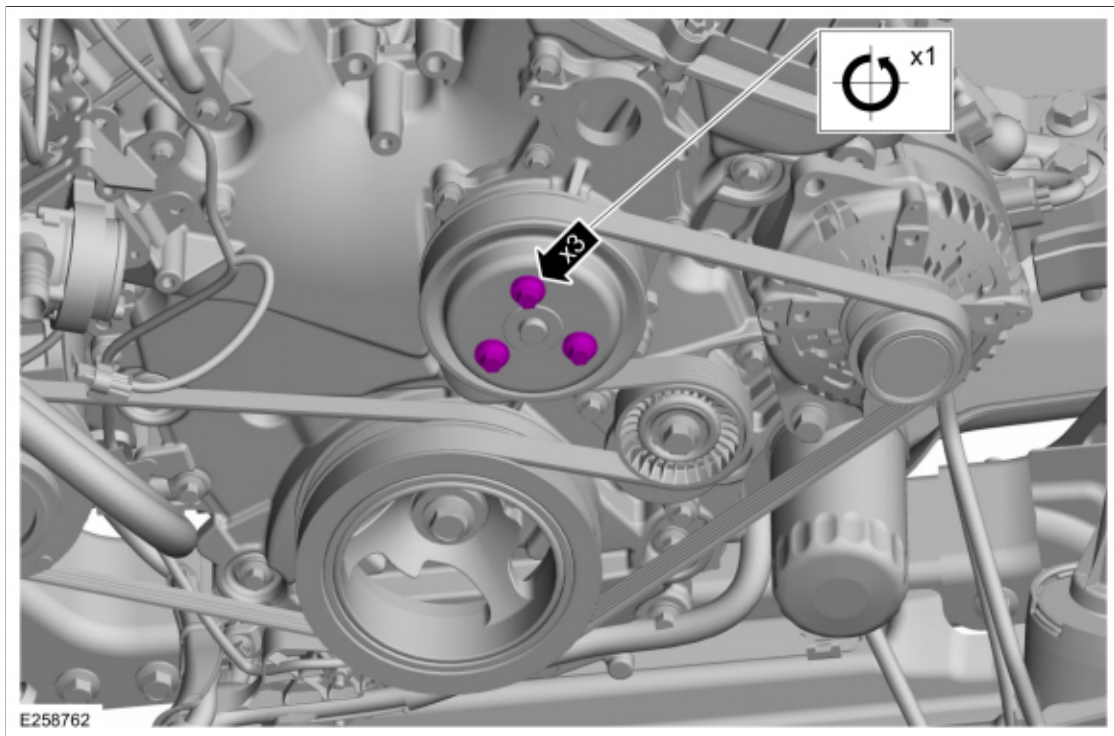


Coolant Pump

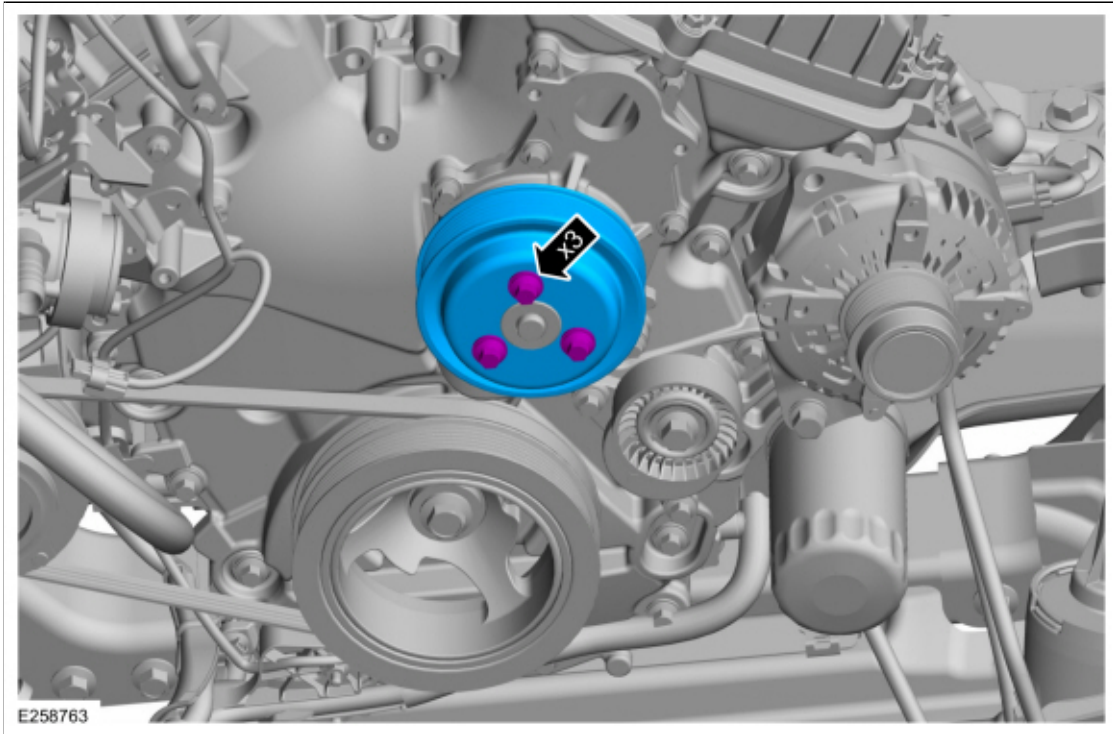
Removal

1. Remove the thermostat housing.
Refer to: [Thermostat Housing](#) (303-03B Engine Cooling - 3.3L Duratec-V6, Removal and Installation).
2. Loosen the coolant pump pulley bolts.

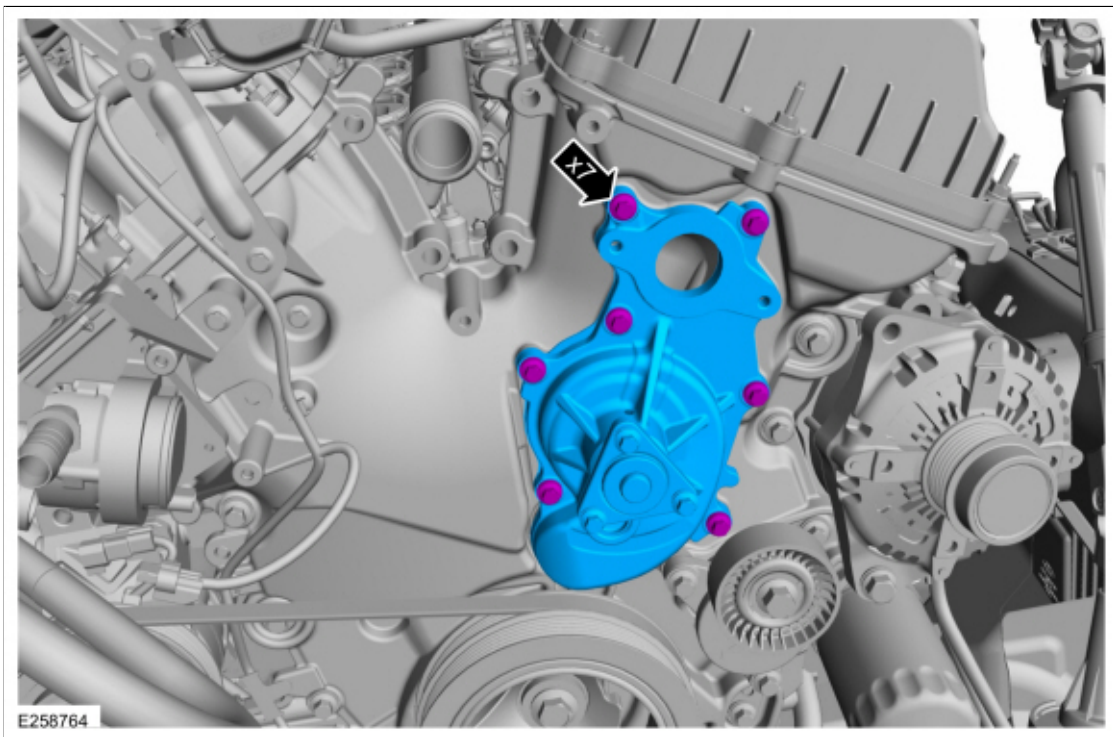


3. Remove the accessory drive belt.
Refer to: [Accessory Drive Belt](#) (303-05B Accessory Drive - 3.3L Duratec-V6, Removal and Installation).
4. **NOTICE: Cover the A/C compressor belt to prevent coolant contamination of the belt.**

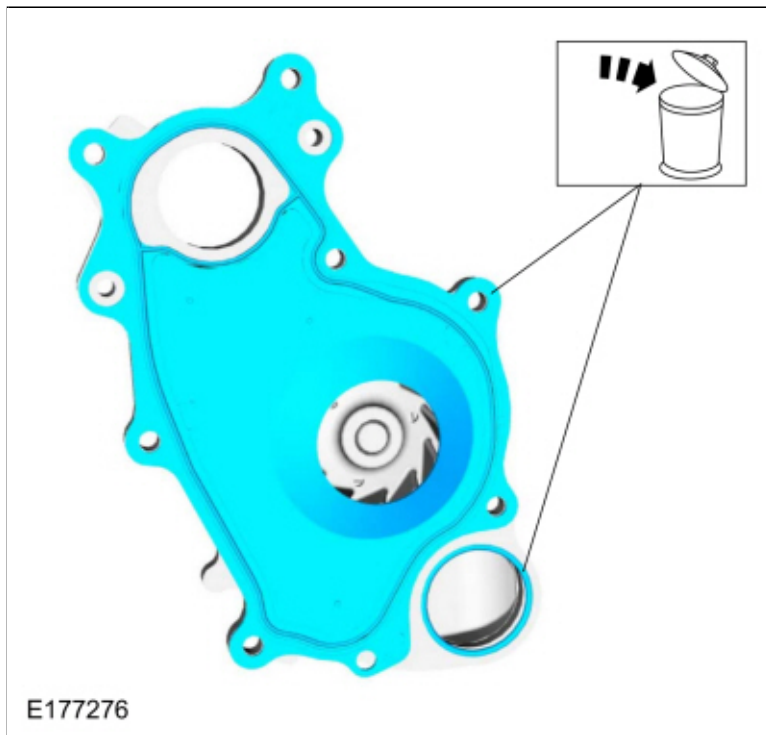
Completely cover the A/C compressor belt with waterproof plastic.
5. Remove the bolts and the coolant pump pulley.



6. Remove the bolts and the coolant pump.

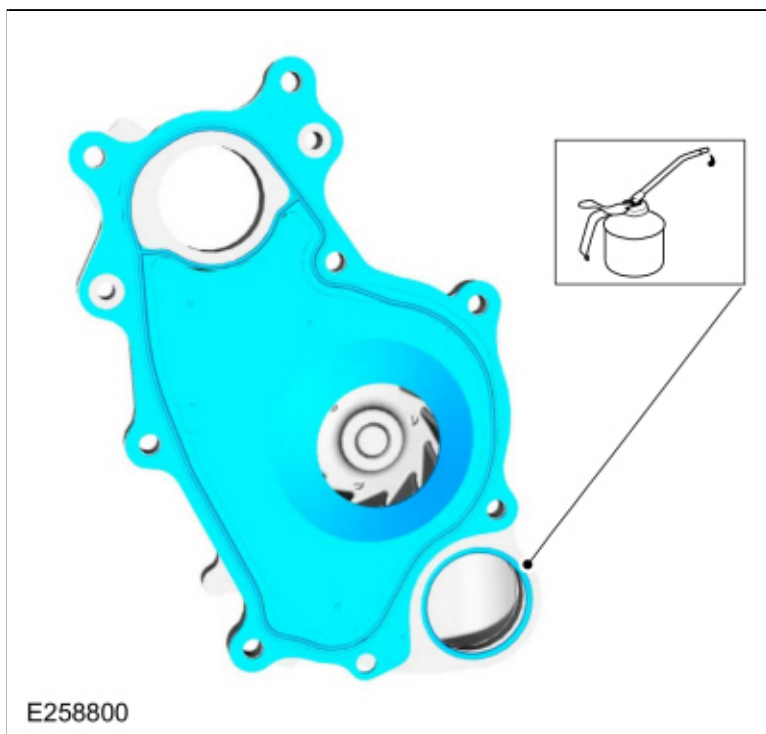


7. Remove and discard the coolant pump gasket and O-ring seal.



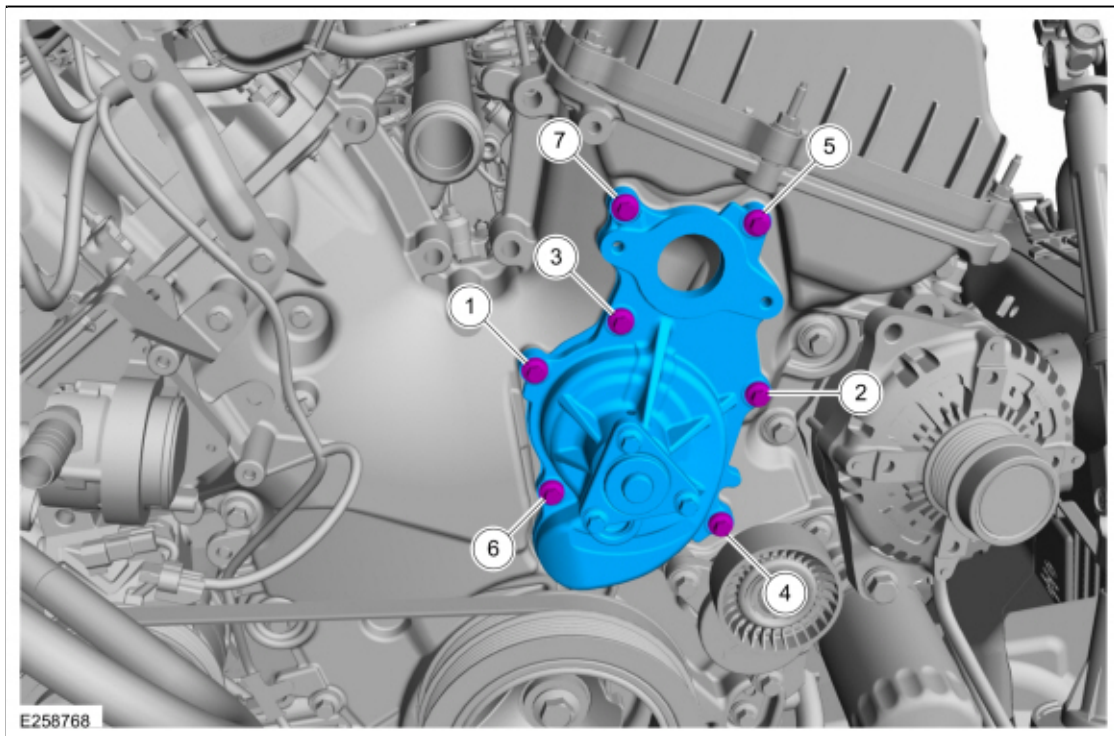
Installation

1. Install a new coolant pump gasket. Install a new O-ring seal and lubricate it with clean engine coolant. Refer to: [Specifications](#) (303-03B Engine Cooling - 3.3L Duratec-V6, Specifications).

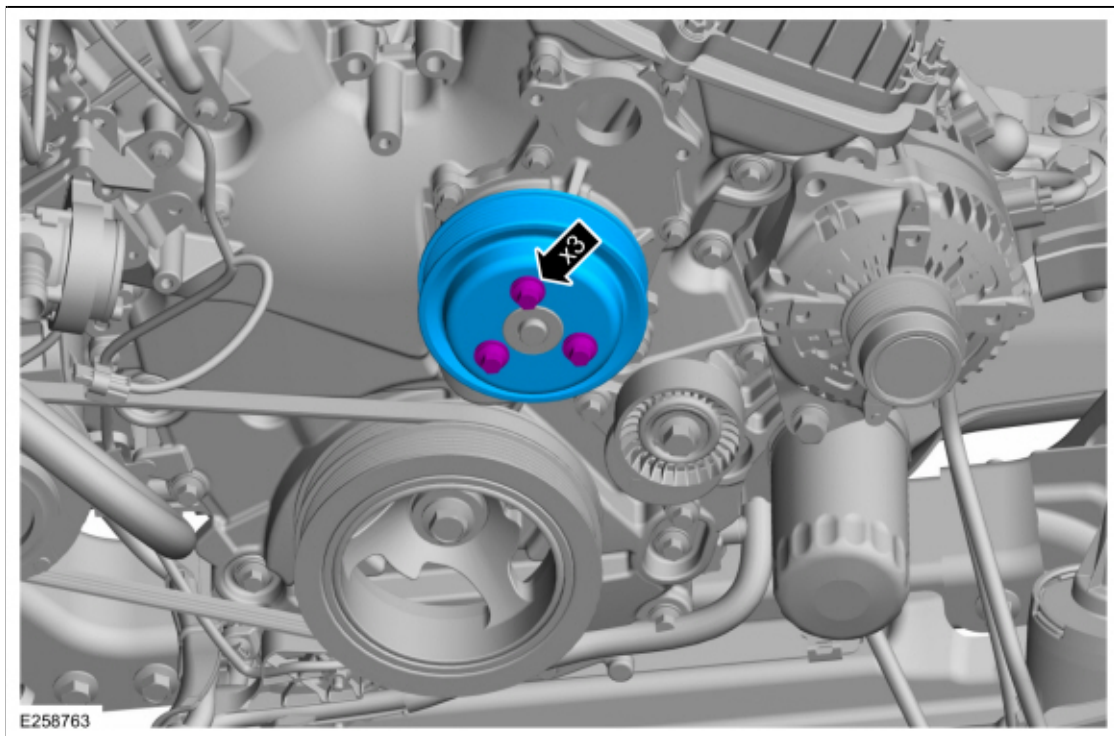


2. Install the coolant pump and the bolts.
Torque:

Stage 1: 89 lb.in (10 Nm)
 Stage 2: 45°

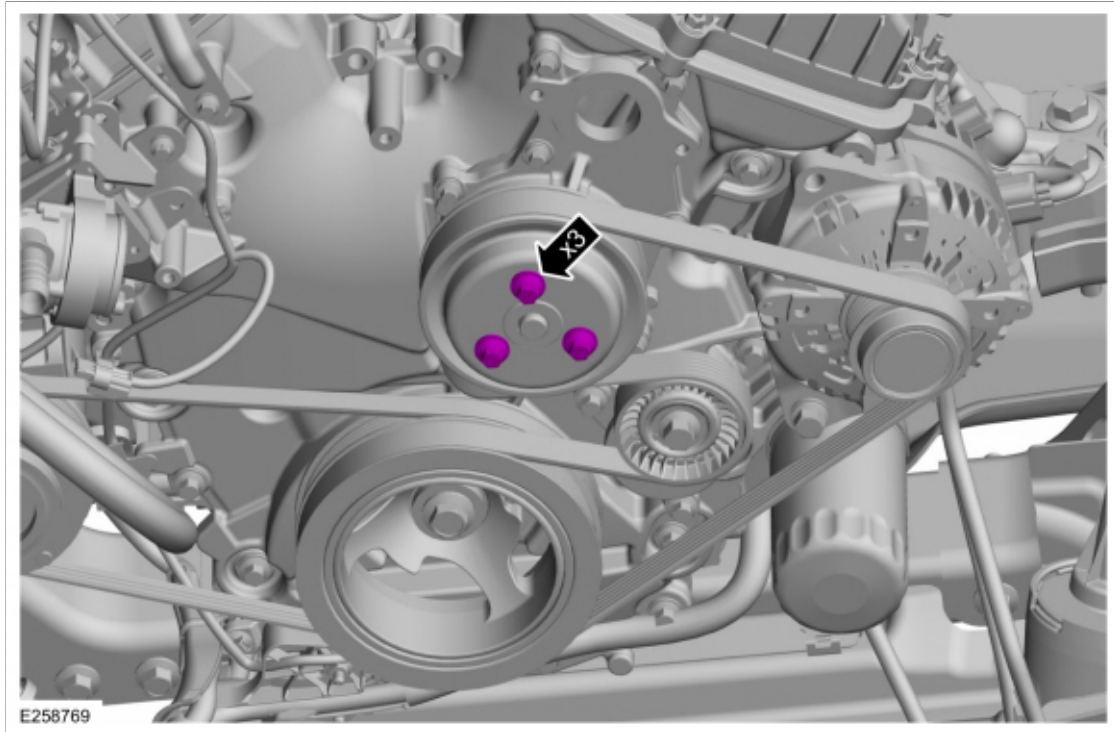


3. Position the coolant pump pulley and install the bolts finger tight.



4. Remove the plastic from the A/C compressor belt.

5. Install the accessory drive belt.
Refer to: [Accessory Drive Belt](#) (303-05B Accessory Drive - 3.3L Duratec-V6, Removal and Installation).
6. Tighten the coolant pump pulley bolts.
Torque: 18 lb.ft (24 Nm)



7. Install the thermostat housing.
Refer to: [Thermostat Housing](#) (303-03B Engine Cooling - 3.3L Duratec-V6, Removal and Installation).
8. Fill and bleed the cooling system.
Refer to: [Engine Cooling System Draining, Vacuum Filling and Bleeding](#) (303-03B Engine Cooling - 3.3L Duratec-V6, General Procedures).

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