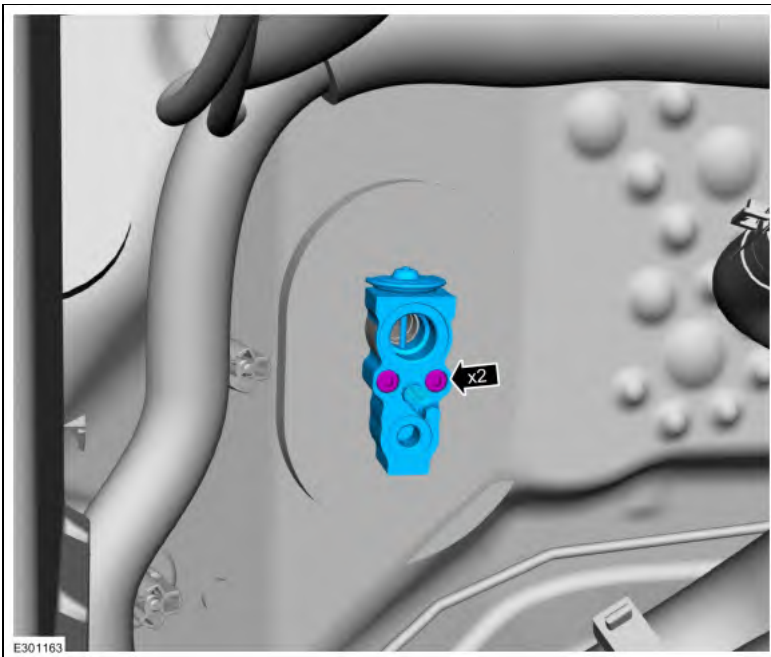




Installation

1. To install, reverse the removal procedure.
 2. **NOTICE: Only use the specified material to lubricate the seals.**
Install and lubricate new O-ring seals. Refer to the appropriate Specifications in Group 412.
 3. Lubricate the refrigerant system with the correct amount of clean PAG oil. Refer to the appropriate Refrigerant Oil Adding procedure in Group 412.
-

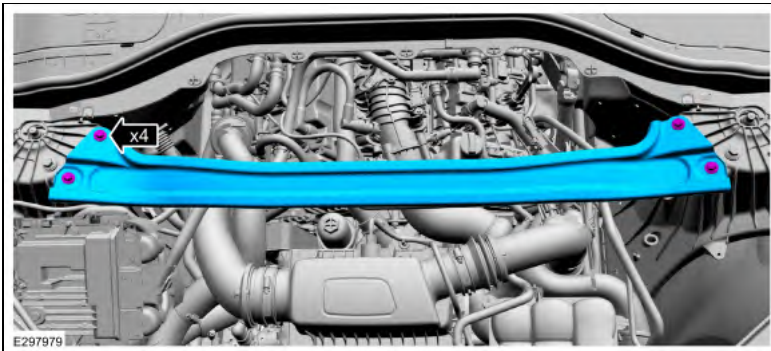
Thermostatic Expansion Valve - 3.0L EcoBoost

Removal

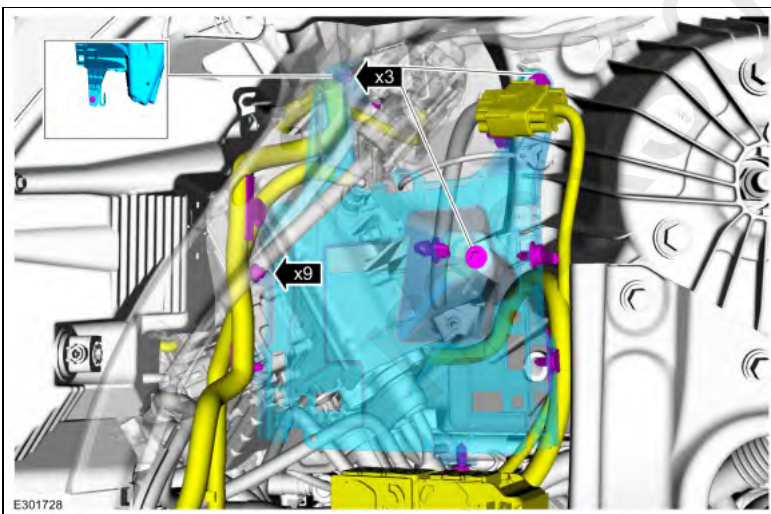
NOTICE: During the removal of components, cap, tape or otherwise appropriately protect all openings to prevent the ingress of dirt or other contamination. Remove protective materials prior to installation.

NOTE: Removal steps in this procedure may contain installation details.

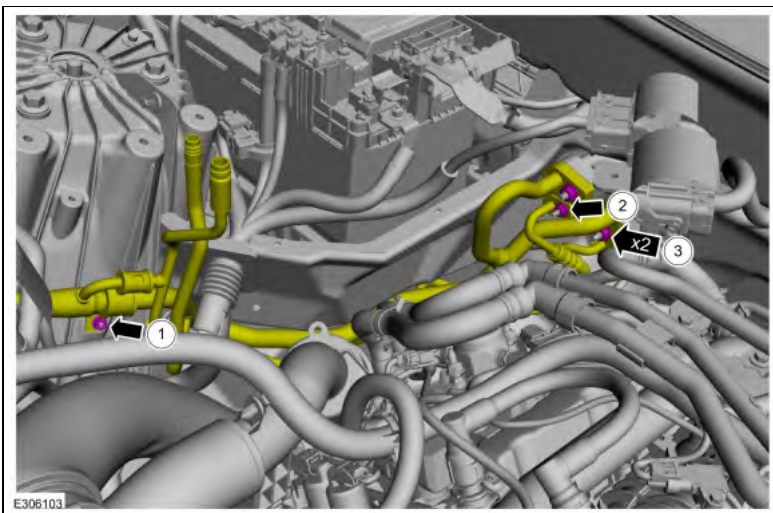
1. Recover the refrigerant. Refer to the appropriate Recovery procedure in Group 412.
2. Remove the bolts and the suspension support bar.
Torque: 22 lb.ft (30 Nm)



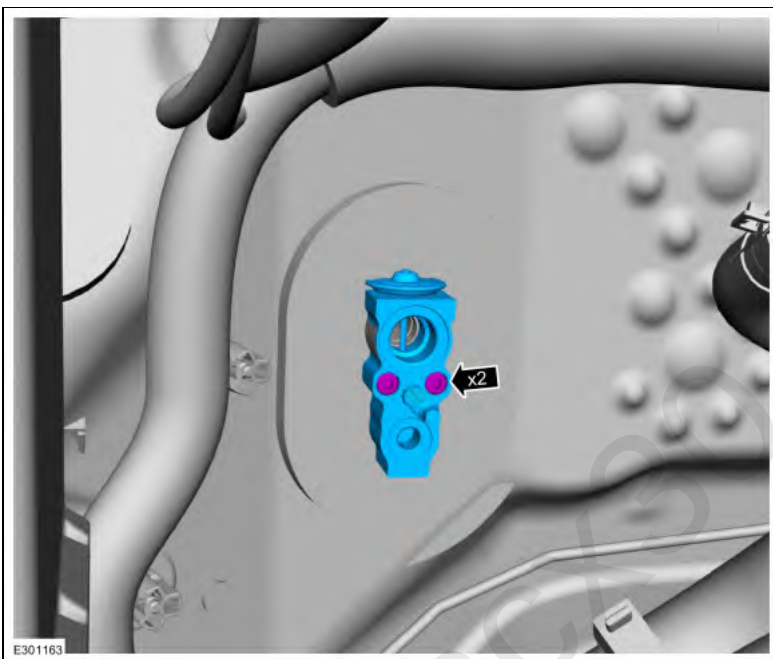
3. Remove the PCM.
Refer to: Powertrain Control Module (PCM) (303-14B Electronic Engine Controls - 3.0L EcoBoost, Removal and Installation).
4. Disconnect the harness retainers. Remove the bolts and the PCM mounting bracket.
Torque: 55 lb.in (6.2 Nm)



5. Remove the cowl panel.
Refer to: Cowl Panel (501-02 Front End Body Panels, Removal and Installation).
 6.
 1. Remove the routing bracket retainer.
Torque:
Routing brackets: 97 lb.in (11 Nm)
 2. Remove the rear evaporator line nut.
Torque:
Rear evaporator inlet line: 80 lb.in (9 Nm)
 3. Remove the thermostatic expansion valve nut and the rear evaporator line nuts. Position aside the thermostatic expansion valve manifold and tube assembly.
Torque:
Rear evaporator outlet line: 159 lb.in (18 Nm)
TXV: 159 lb.in (18 Nm)
- Make sure to cover any open ports to prevent debris from entering the system.



7. Remove the bolts and the Thermostatic Expansion Valve (TXV).
Torque: 71 lb.in (8 Nm)



Installation

1. To install, reverse the removal procedure.
2. **NOTICE: Only use the specified material to lubricate the seals.**

Install and lubricate new O-ring seals. Refer to the appropriate Specifications in Group 412.
3. Lubricate the refrigerant system with the correct amount of clean PAG oil. Refer to the appropriate Refrigerant Oil Adding procedure in Group 412.