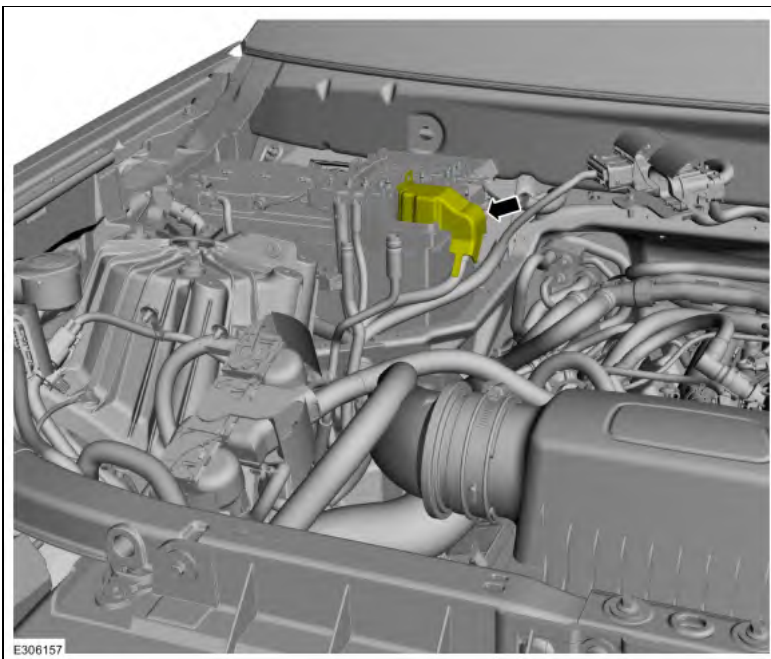
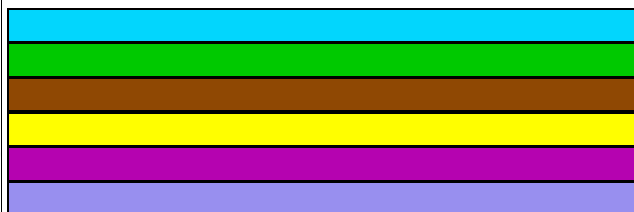
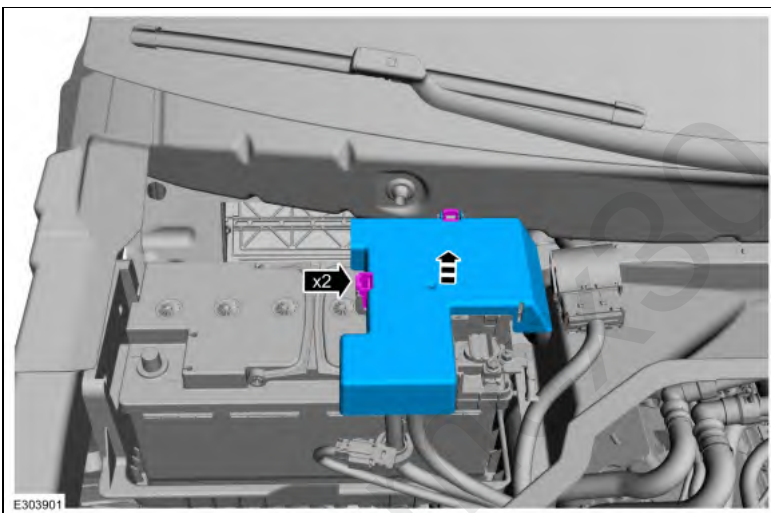


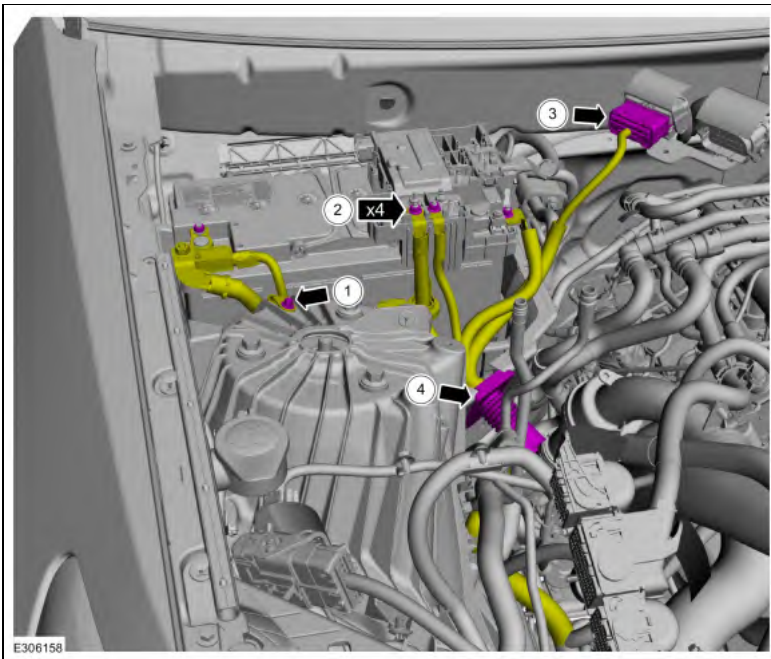


9. Release the tabs and remove the BJB cover.

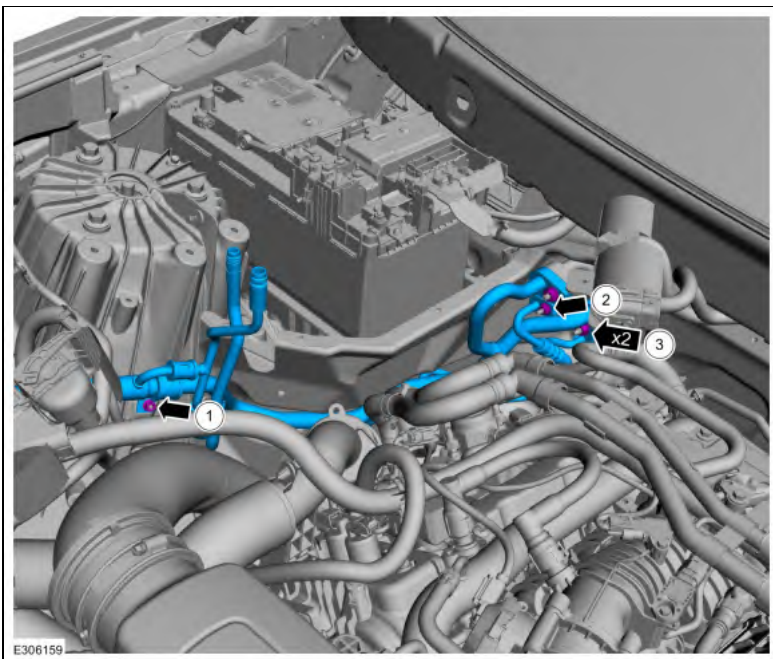


10.

1. Remove the bolt and position the ground aside.  
*Torque: 133 lb.in (15 Nm)*
2. Remove the nuts and position the B+ battery cables aside.  
*Torque: 80 lb.in (9 Nm)*
3. Disconnect the wiring harness electrical connector.
4. Position the wiring harness electrical grommet aside.



- 11.
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. Remove 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.



## 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.

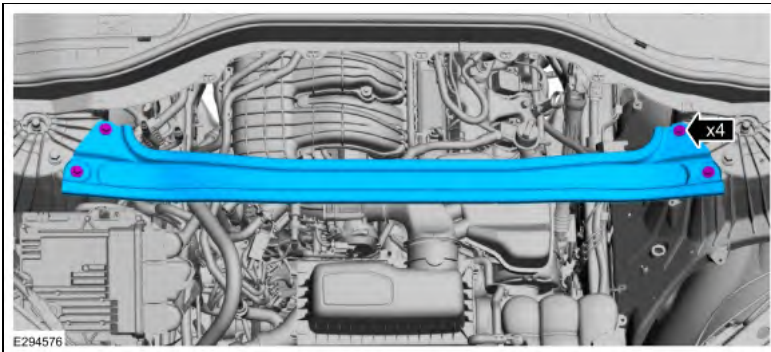
## Thermostatic Expansion Valve Manifold and Tube Assembly - 3.3L Duratec-V6

### Removal

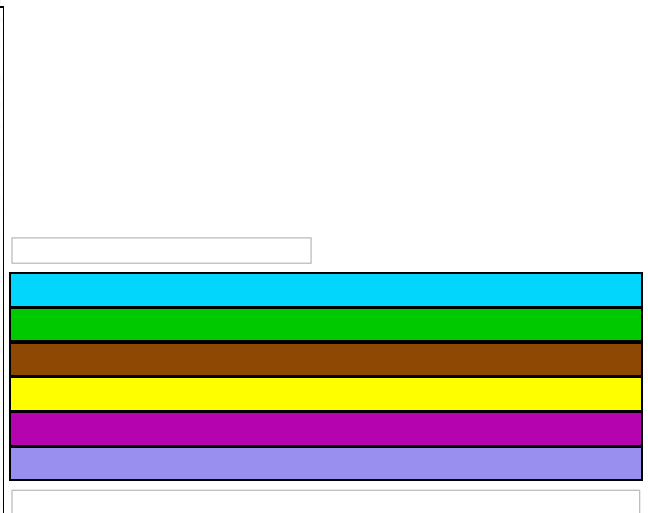
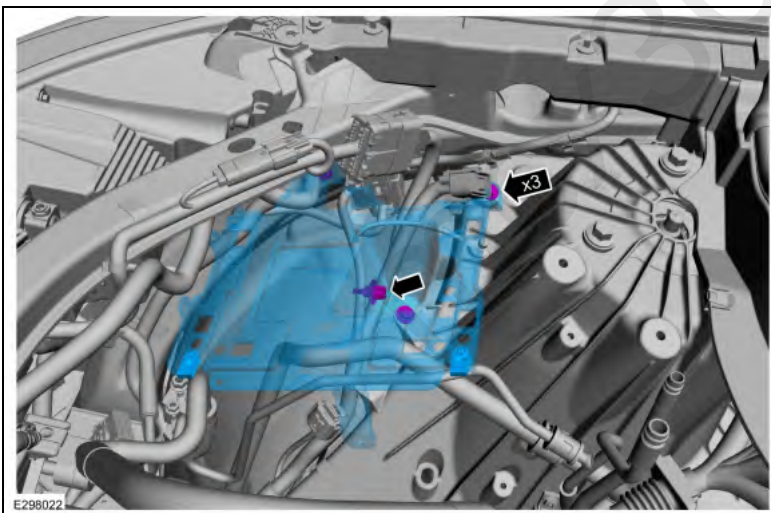
**NOTICE:** During the removal of components, cap, tape or otherwise appropriately protect all openings to prevent the ingress of dirt or other contamination. Remove protective materials prior to installation.

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

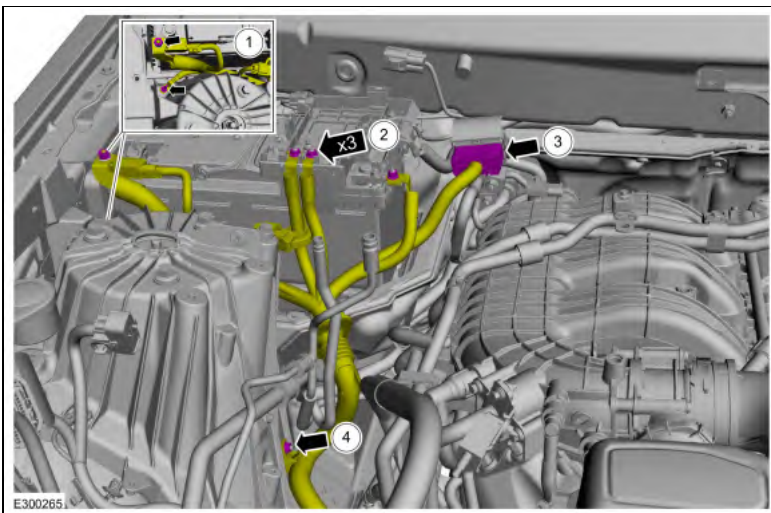
1. Recover the refrigerant. Refer to the appropriate Recovery procedure in Group 412.
2. Remove the bolts and the suspension support bar.  
*Torque: 22 lb.ft (30 Nm)*



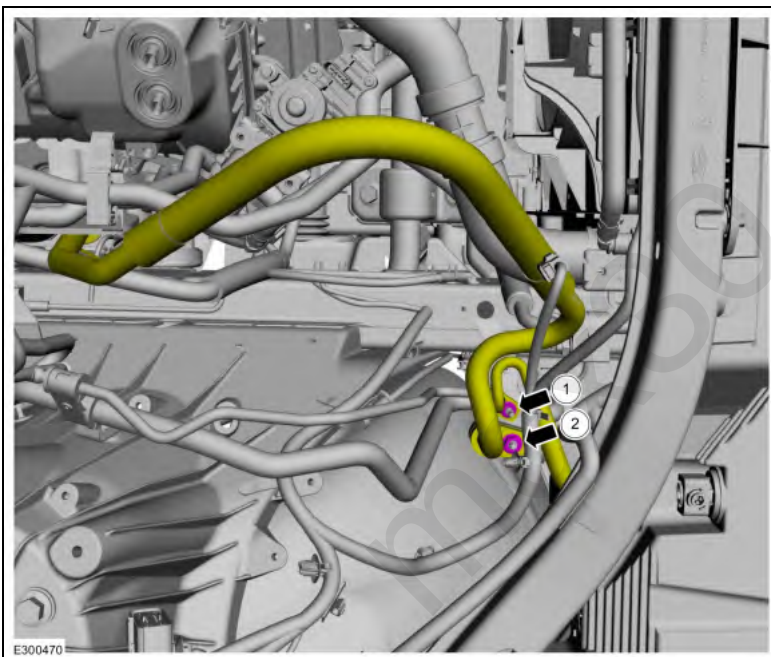
3. Remove the PCM.  
Refer to: Powertrain Control Module (PCM) (303-14C Electronic Engine Controls - 3.3L Duratec-V6/3.3L Duratec-V6 Hybrid (BP), Removal and Installation).
4. Detach the wiring harness routing clip and remove the PCM bracket.  
*Torque: 89 lb.in (10 Nm)*



5. Remove the cowl panel.  
Refer to: Cowl Panel (501-02 Front End Body Panels, Removal and Installation).
6.
  1. Disconnect the battery ground cable and strut tower ground terminal.  
*Torque:*  
Battery ground: 133 lb.in (15 Nm)  
Ground terminal: 89 lb.in (10 Nm)
  2. Disconnect the positive battery terminals.  
*Torque: 133 lb.in (15 Nm)*
  3. Disconnect the electrical connector.
  4. Remove the wiring harness routing retainer and position aside battery harness.  
*Torque: 89 lb.in (10 Nm)*



7. Remove the upper intake manifold.  
Refer to: Upper Intake Manifold (303-01C Engine - 3.3L Duratec-V6, Removal and Installation).
8.
  1. Remove the condensor outlet line nut and position the line aside.  
*Torque: 80 lb.in (9 Nm)*
  2. Remove the A/Ccompressor inlet line nut and position the line aside.  
*Torque: 159 lb.in (18 Nm)*
  - Make sure to cover any open ports to prevent debris from entering the system.



9. Remove the thermostatic expansion valve manifold and tube support bracket retainer.  
*Torque: 97 lb.in (11 Nm)*