

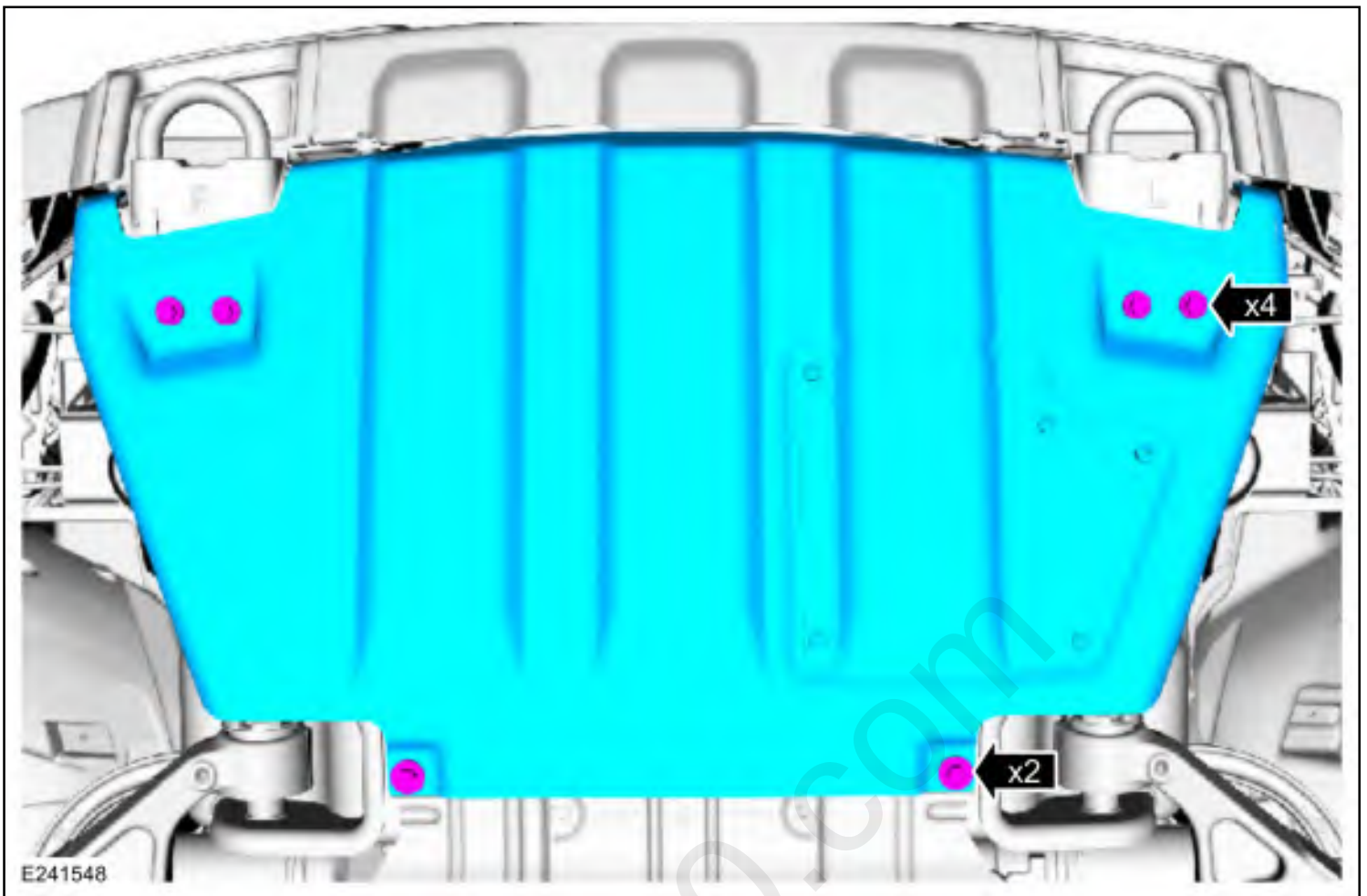
Transmission Fluid Cooler Supply Tube - Raptor

Special Tool(s) / General Equipment

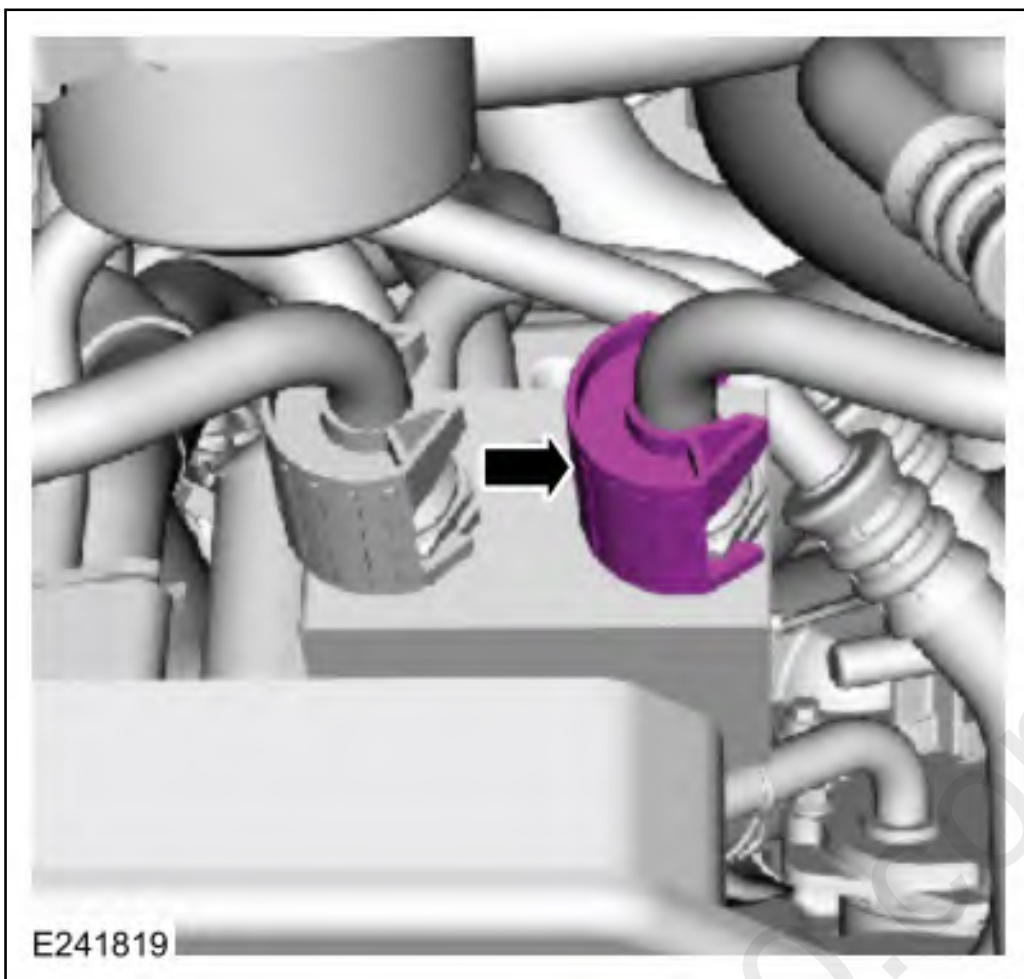
	307-569 Disconnect Tool TOC Line (1/2) TKIT-2006U-F/FM TKIT-2006U-FLM/LM TKIT-2006U-ROW1 TKIT-2006U-ROW2
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Removal

1. With the vehicle in N, position it on a hoist.
Refer to: [Jacking and Lifting - Overview](#) (100-02 Jacking and Lifting, Description and Operation).
2. If equipped, remove the bolts and the skid plate.



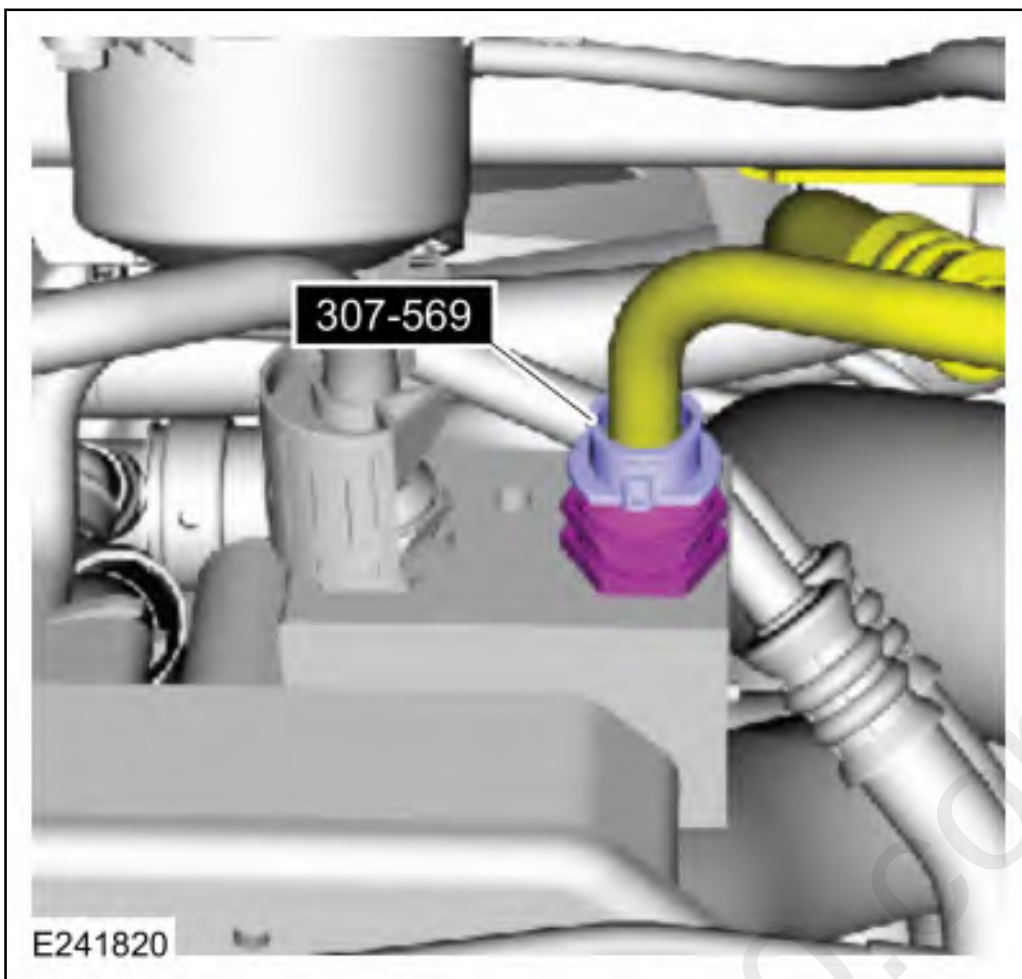
3. Remove the transmission fluid cooler supply tube secondary latch.



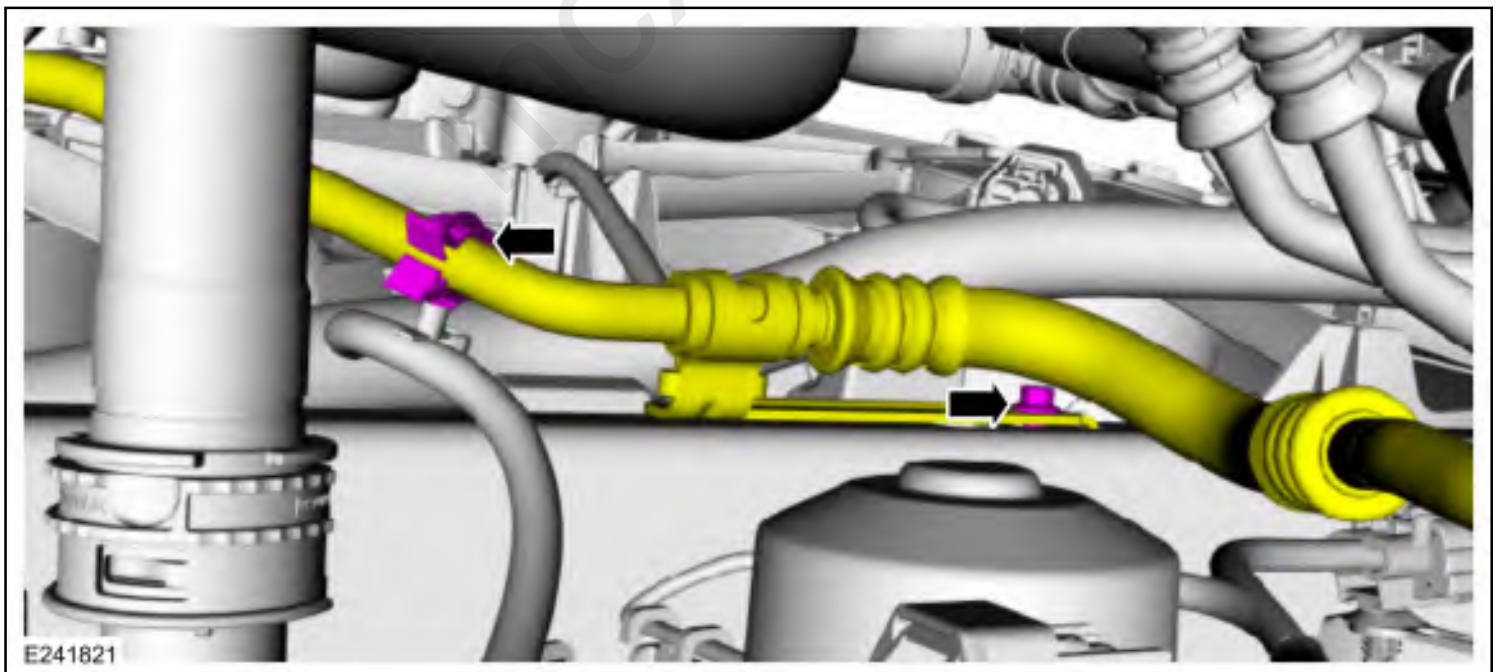
4. **NOTE:** *Be prepared to collect escaping fluid.*

Using the special tool, disconnect the transmission fluid cooler supply tube from the cooler bypass valve.

Use Special Service Tool: 307-569 Disconnect Tool TOC Line (1/2).



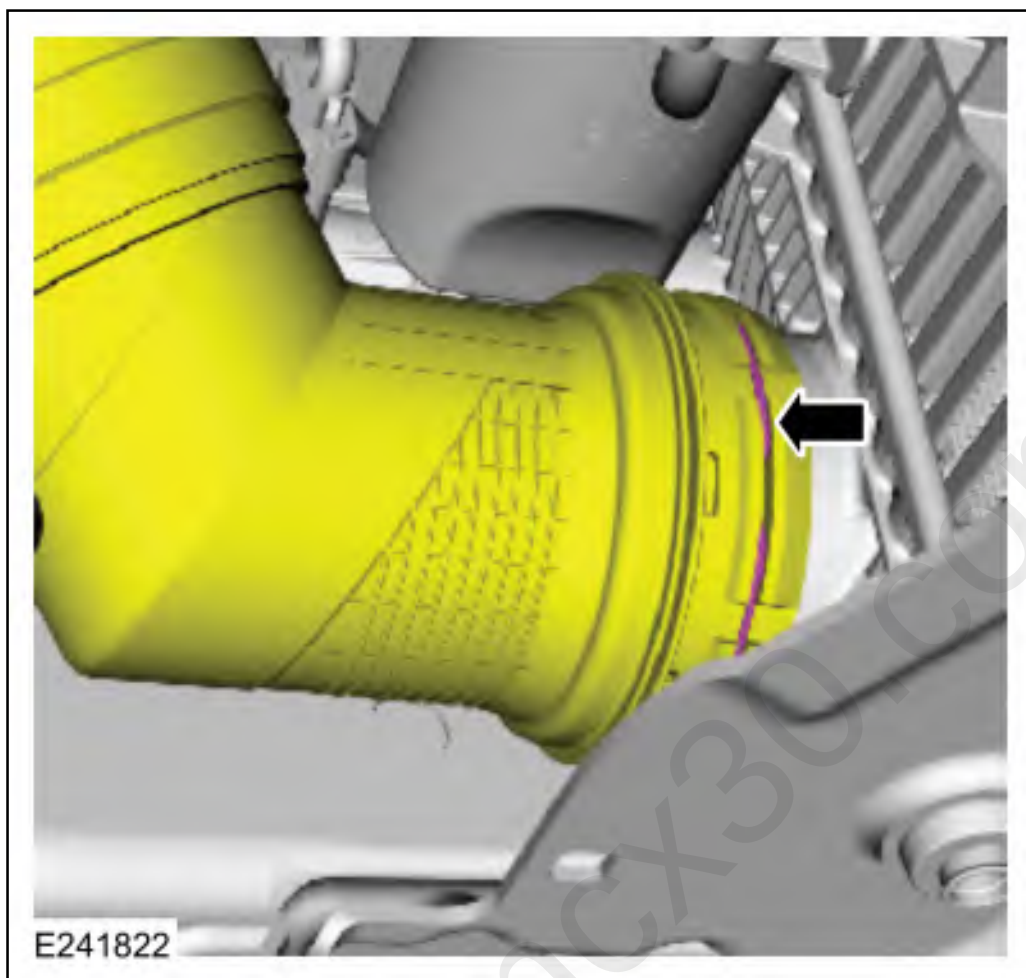
5. Remove the transmission fluid cooler supply tube bracket bolt and disconnect the wiring harness standoff.



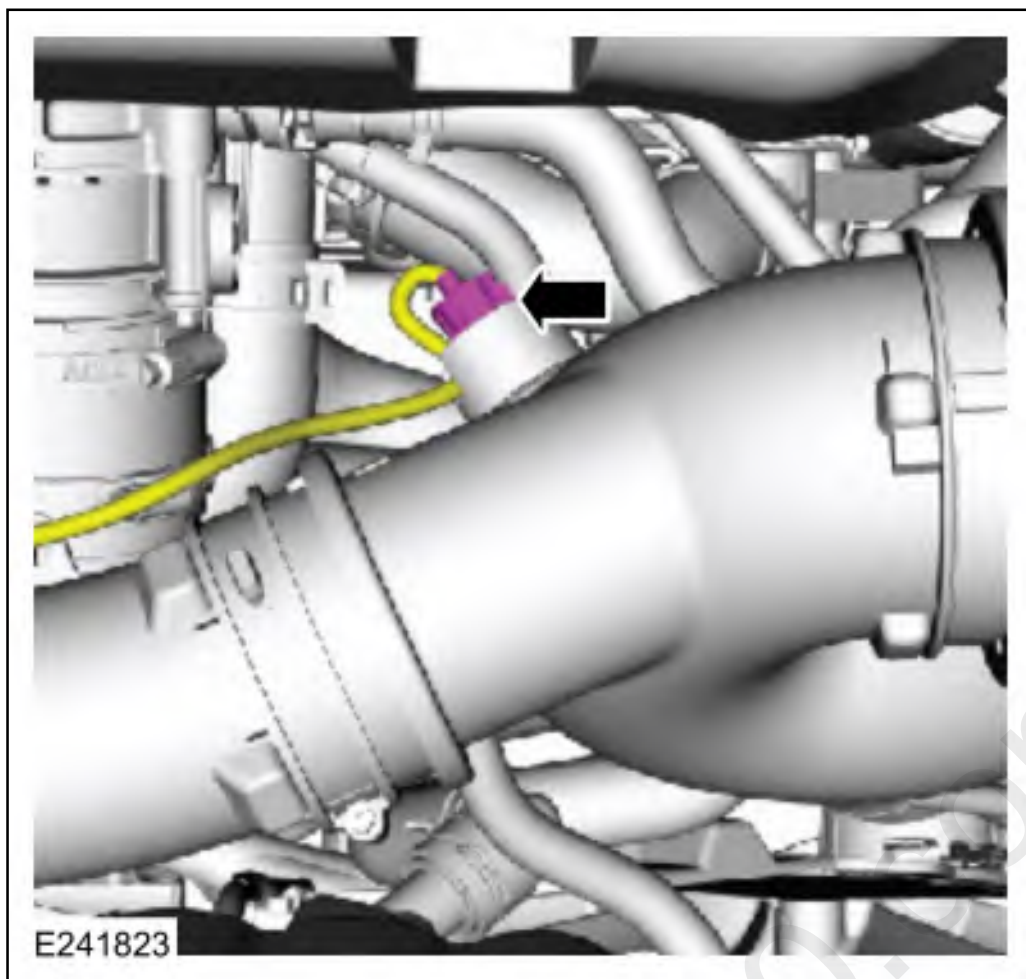
6. **NOTE:** *Whenever turbocharger air intake system components are removed, always cover open ports*

to protect from debris. It is important that no foreign material enter the system. The turbocharger compressor vanes are susceptible to damage even from small particles. Inspect and clean all components prior to installation or assembly.

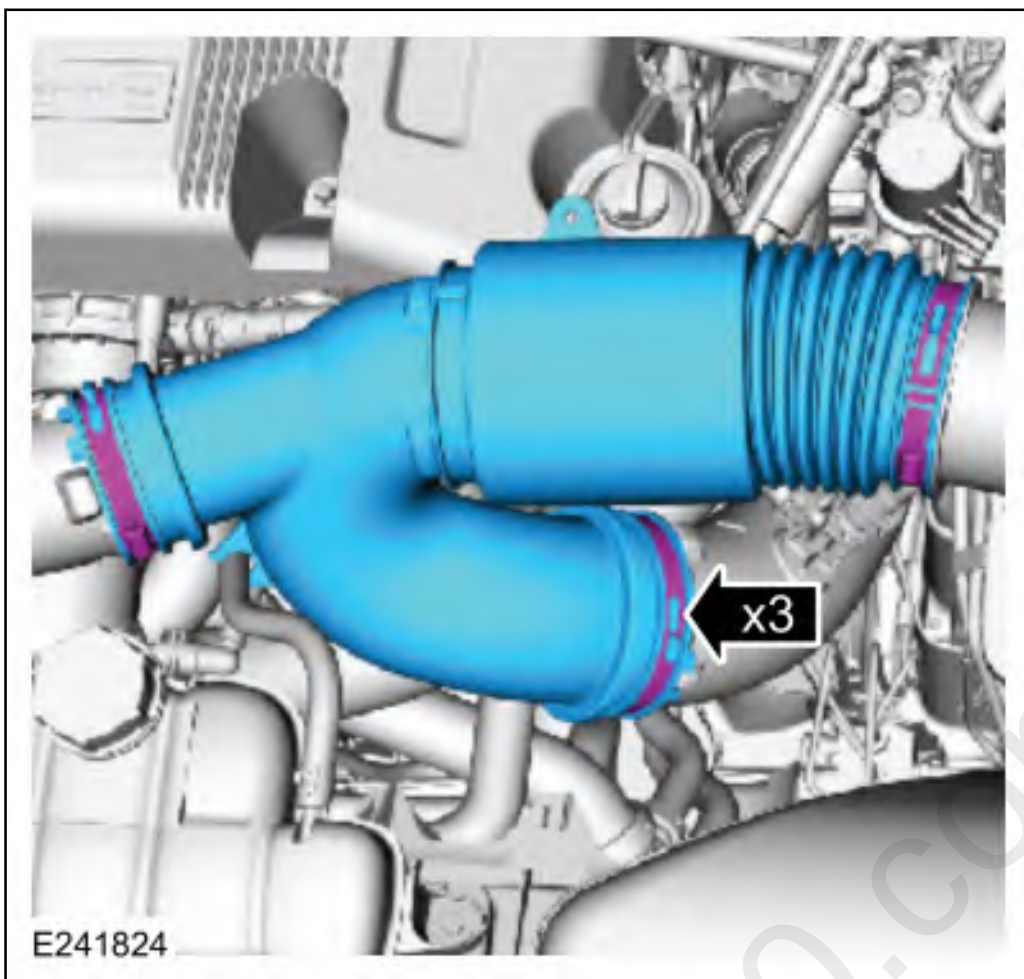
Disconnect the CAC outlet pipe from the CAC.



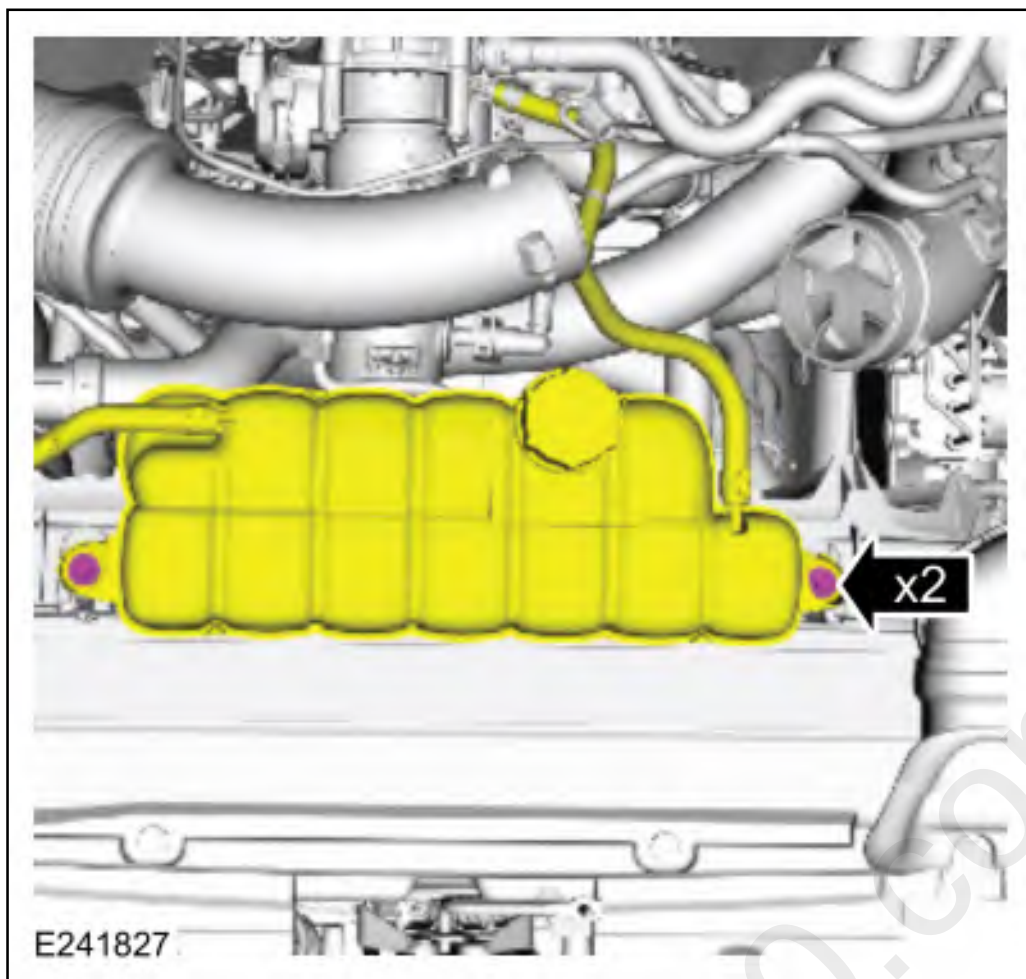
7. Disconnect the IAT sensor electrical connector.



8. Loosen the clamps and remove the air cleaner outlet pipe.



9. Remove the bolts and position the degas bottle aside.

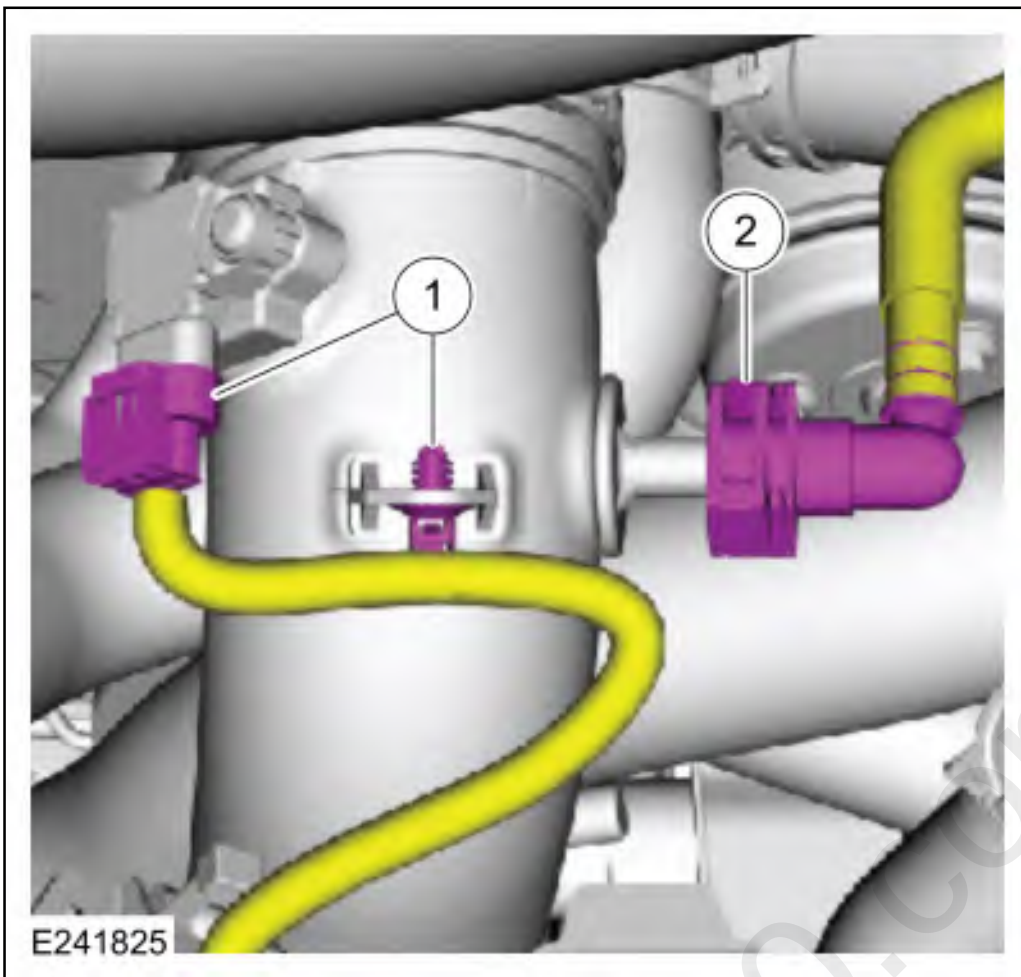


10.

Disconnect the CAC outlet pipe attachments.

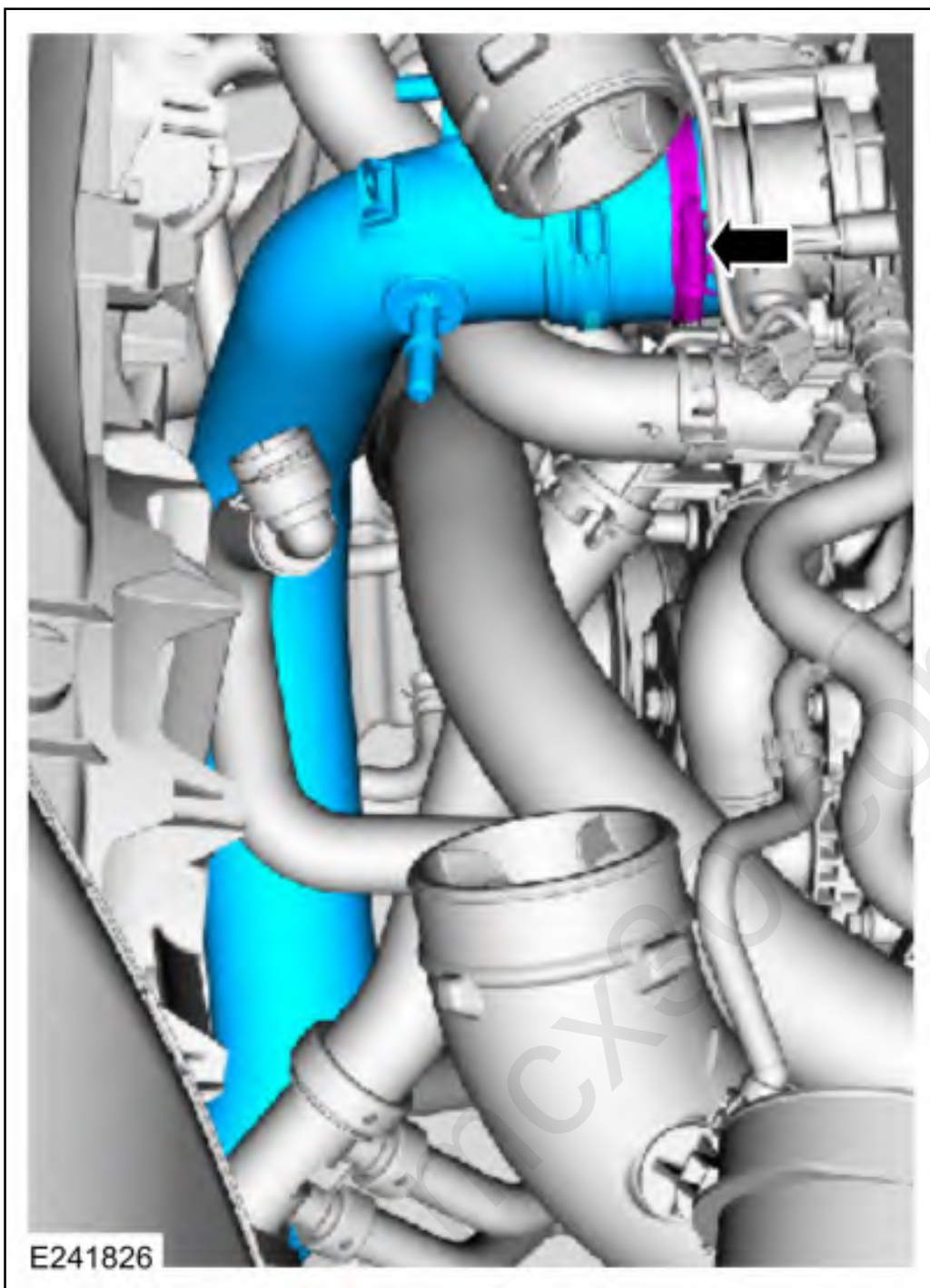
1. Disconnect the electrical connector and the wiring harness pushpin.
2. Disconnect the fuel vapor tube quick release coupling.

Refer to: Quick Release Coupling (310-00 Fuel System - General Information - 3.5L EcoBoost (272kW/370PS)) .

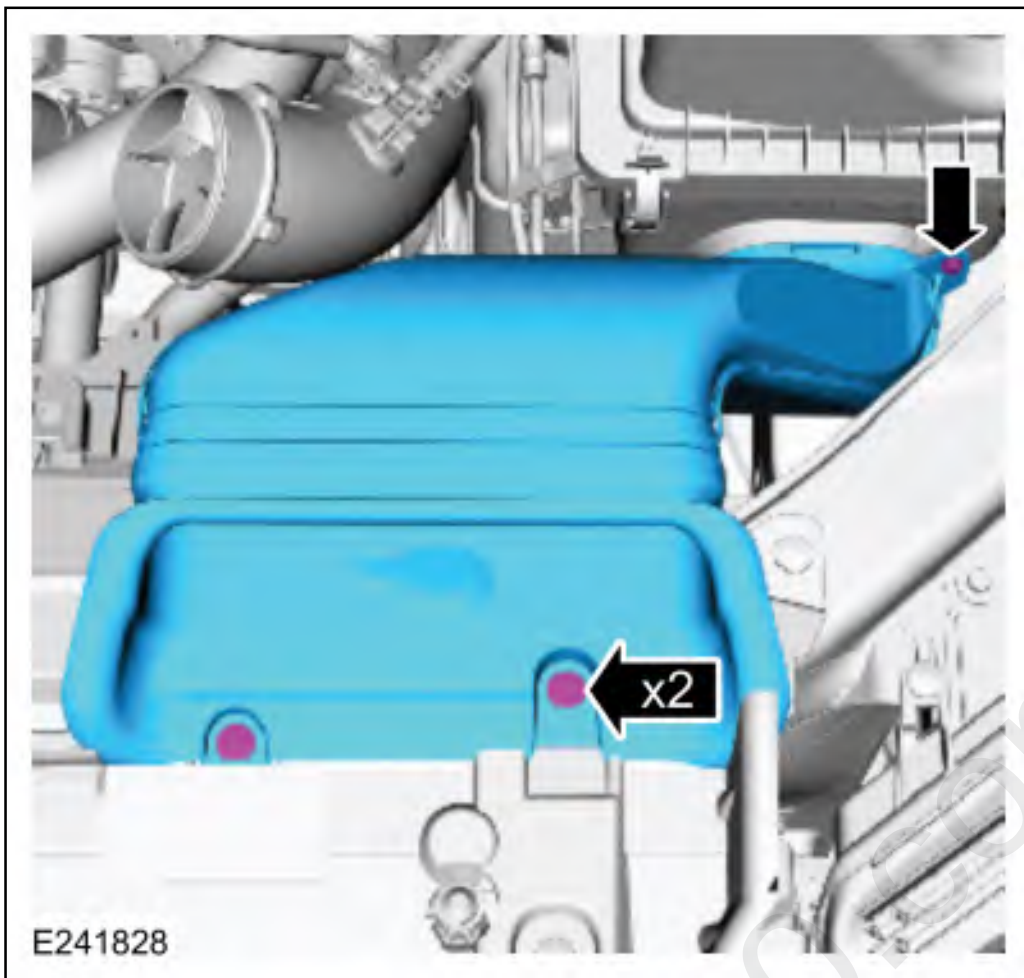


11. **NOTE:** *Whenever turbocharger air intake system components are removed, always cover open ports to protect from debris. It is important that no foreign material enter the system. The turbocharger compressor vanes are susceptible to damage even from small particles. Inspect and clean all components prior to installation or assembly.*

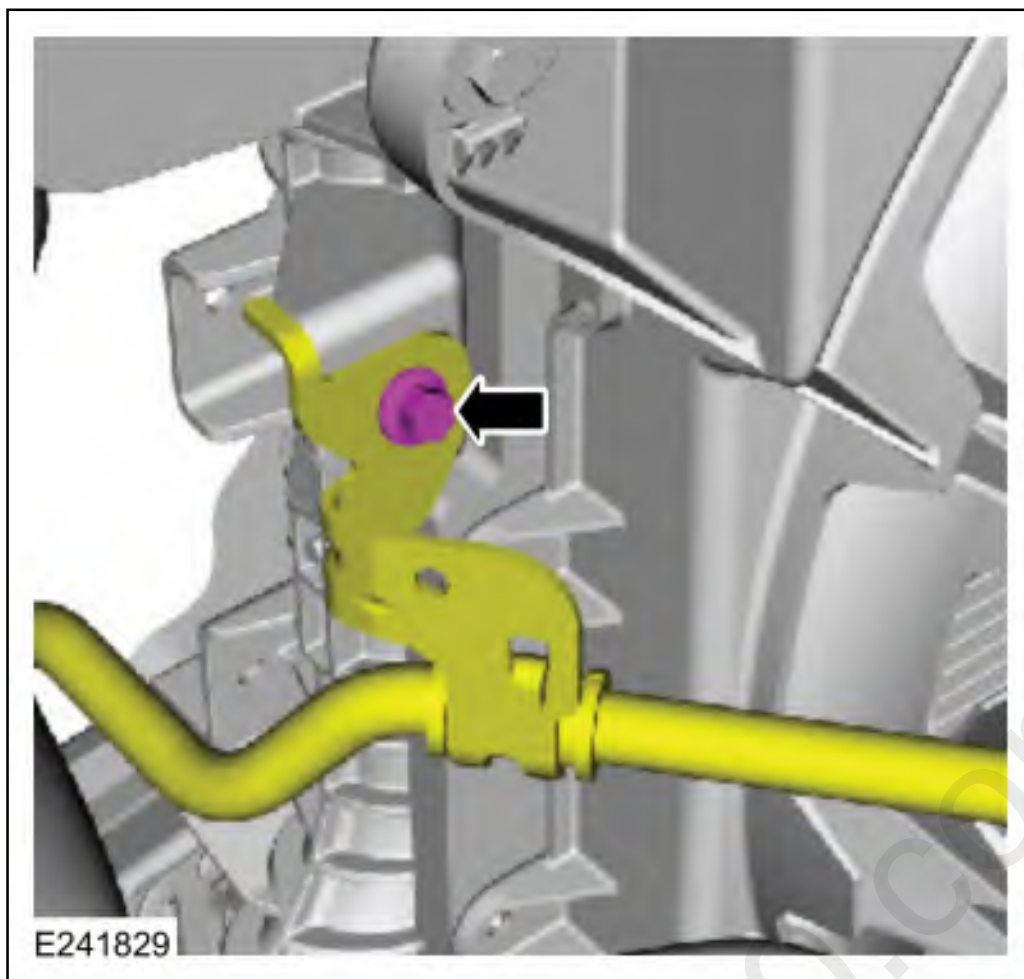
Loosen the clamp and remove the CAC outlet tube pipe.



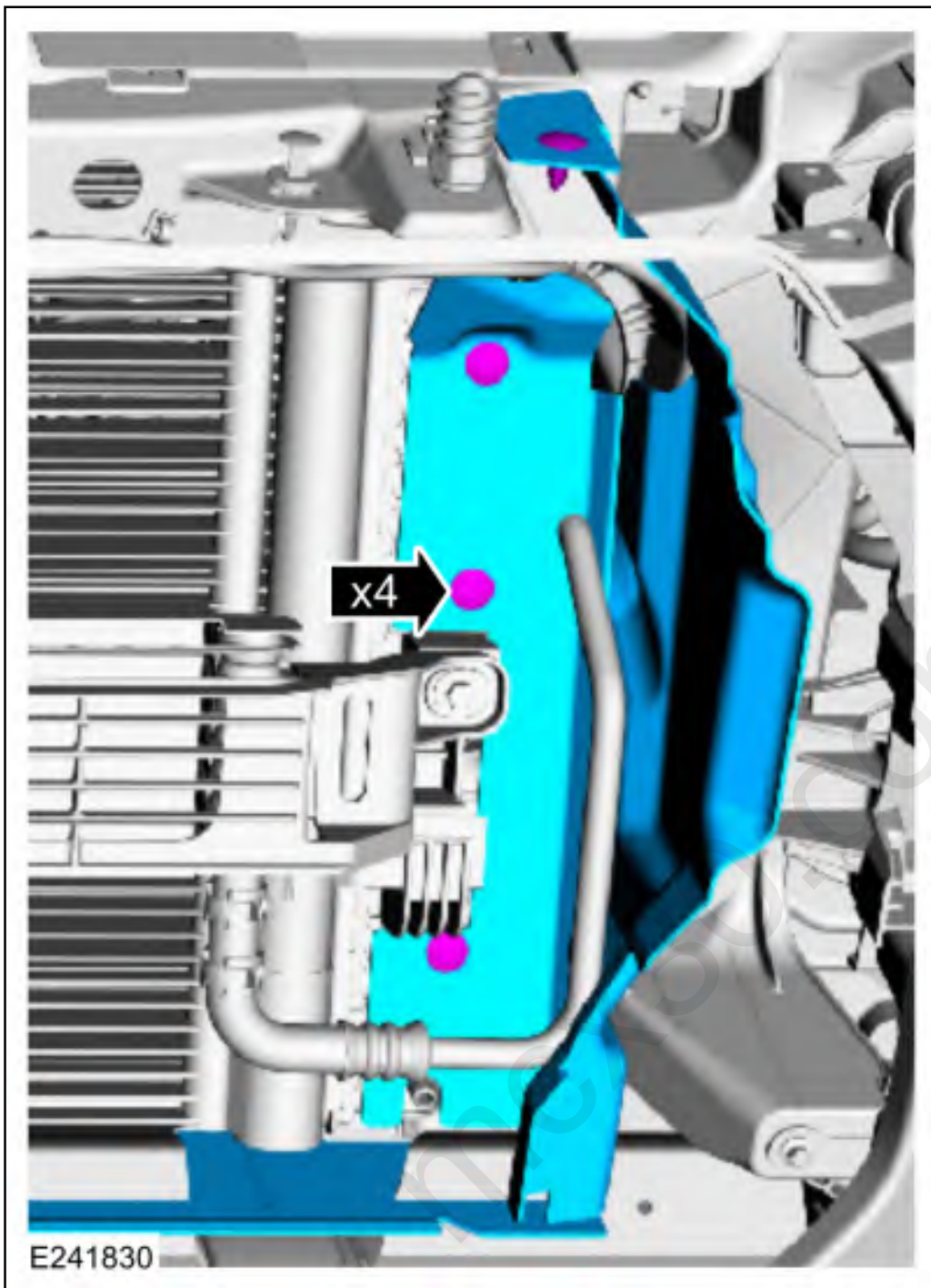
12. Remove the pushpins, the bolt and the air cleaner intake pipe.



13. Remove the transmission fluid cooler supply tube bracket bolt.

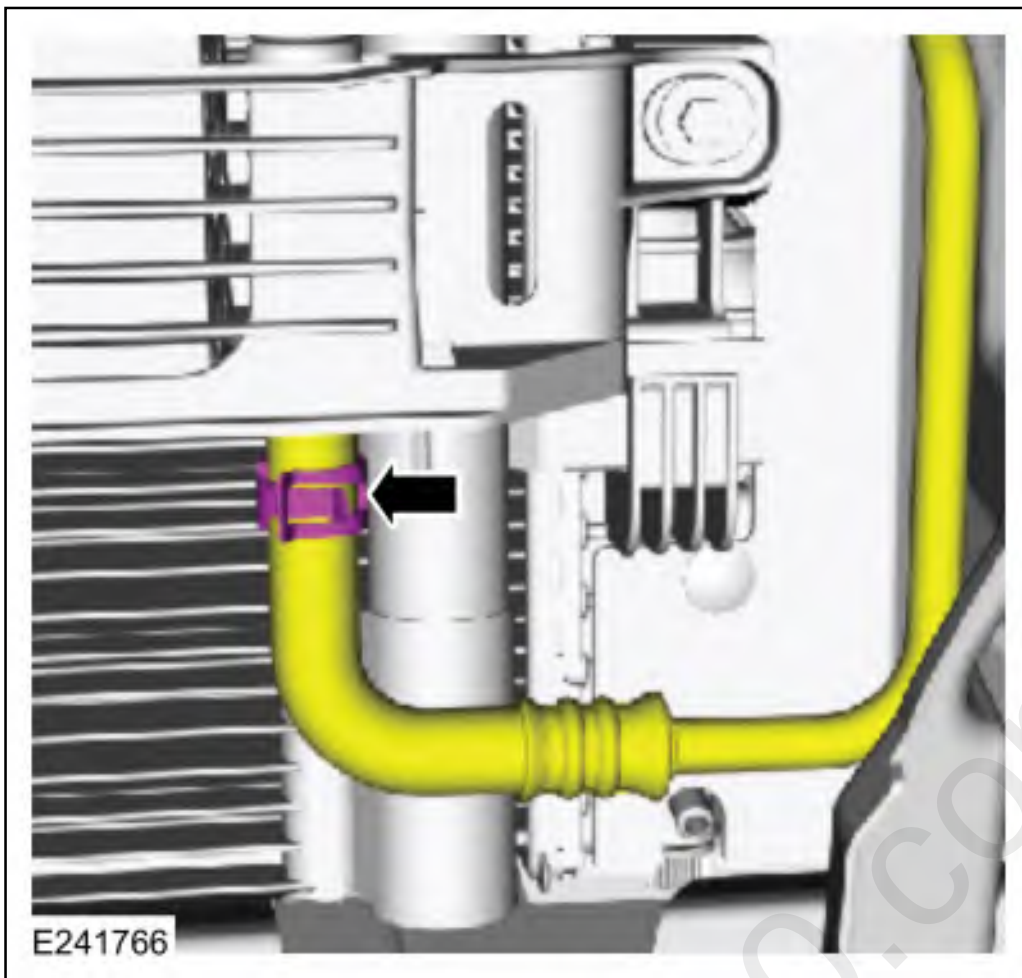


14. Remove the active grille shutter.
Refer to: Active Grille Shutter (501-02 Front End Body Panels) .
15. Remove the pushpins and the LH radiator air deflector.

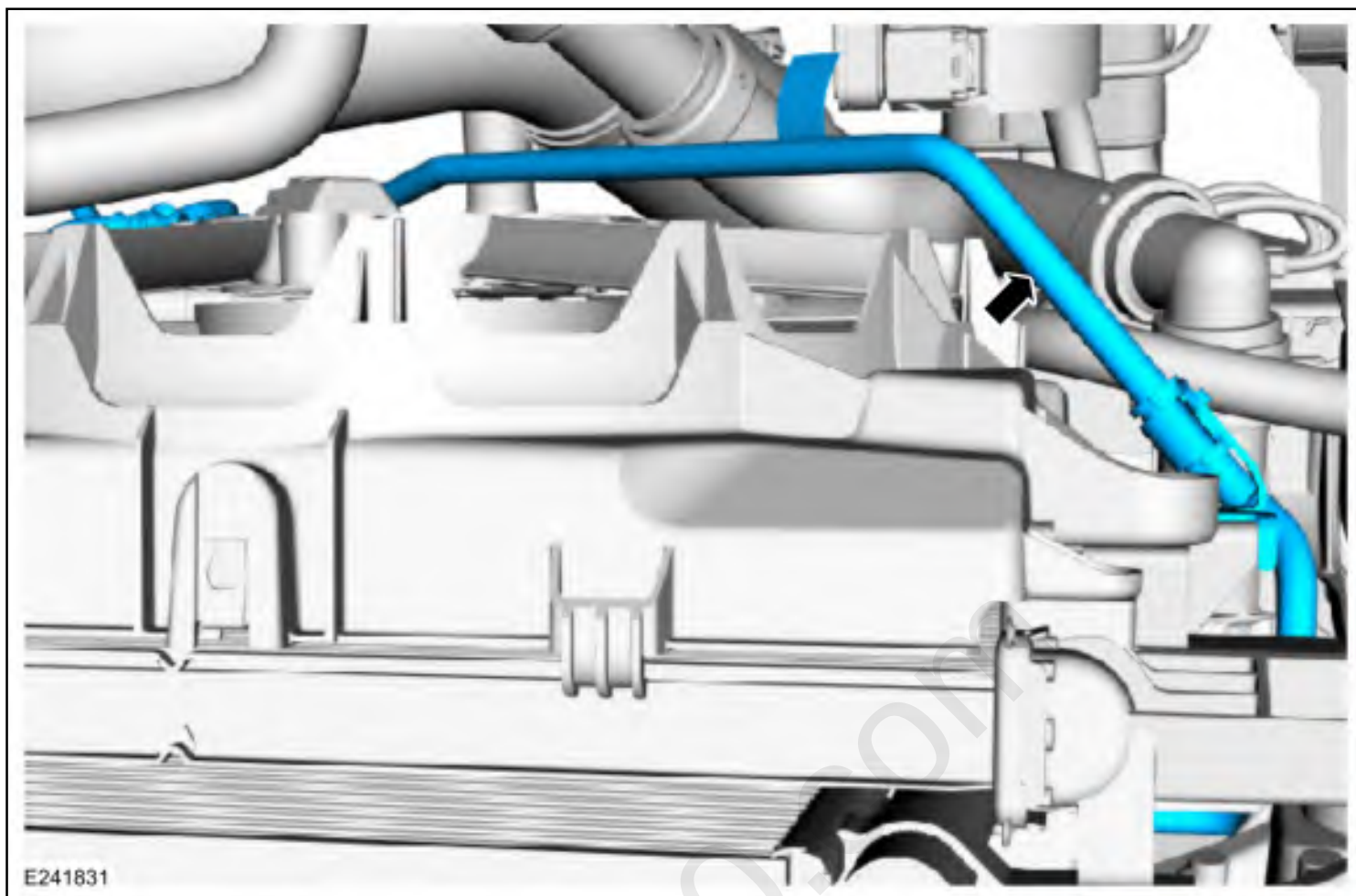


16. **NOTE:** *Be prepared to collect escaping fluid.*

Release the clamp and disconnect the transmission fluid cooler supply tube.

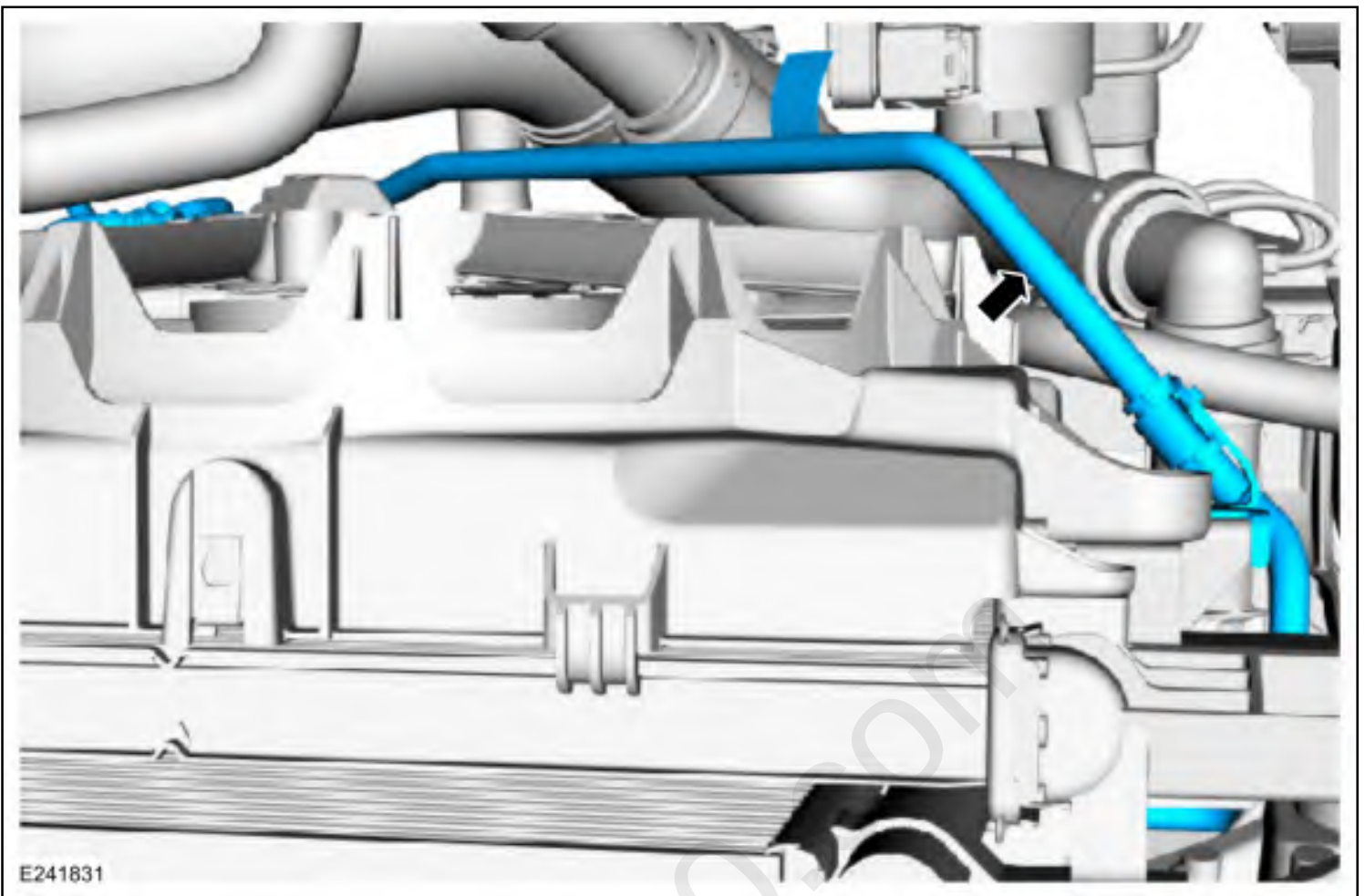


17. Remove the transmission fluid cooler supply tube.

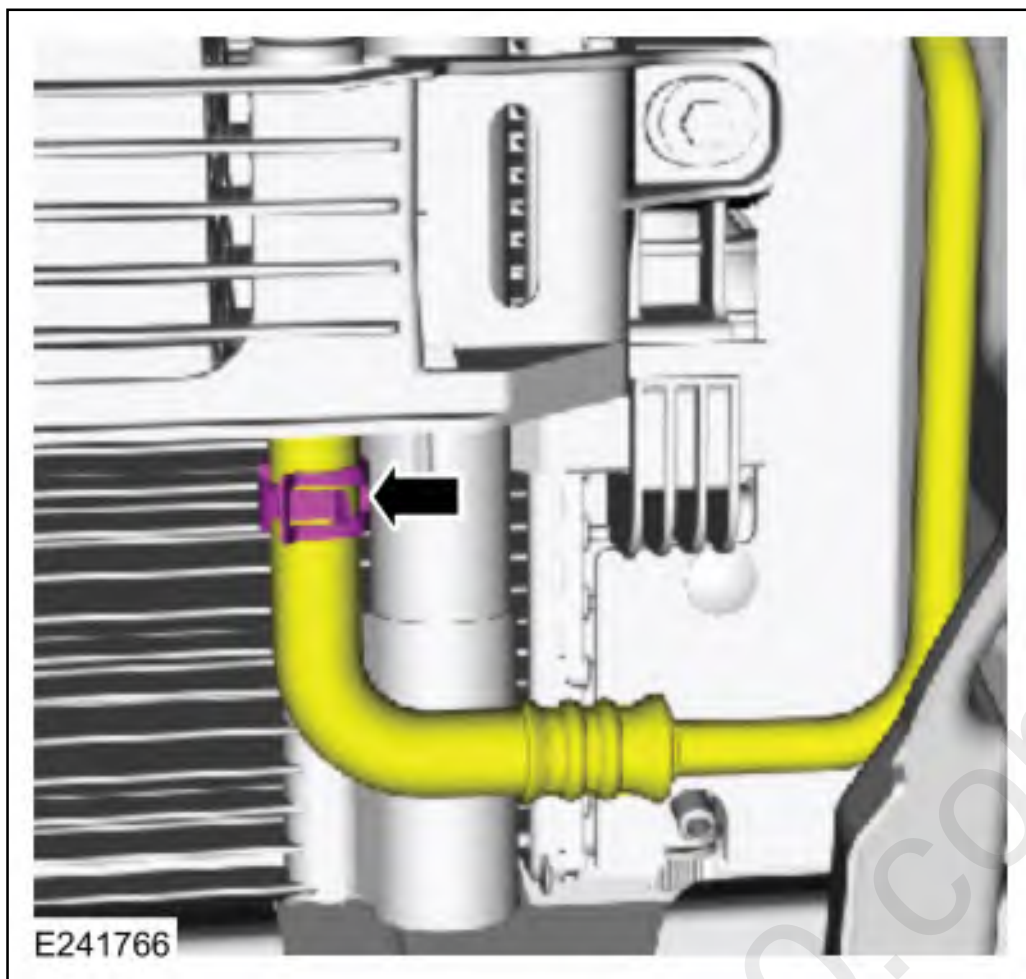


Installation

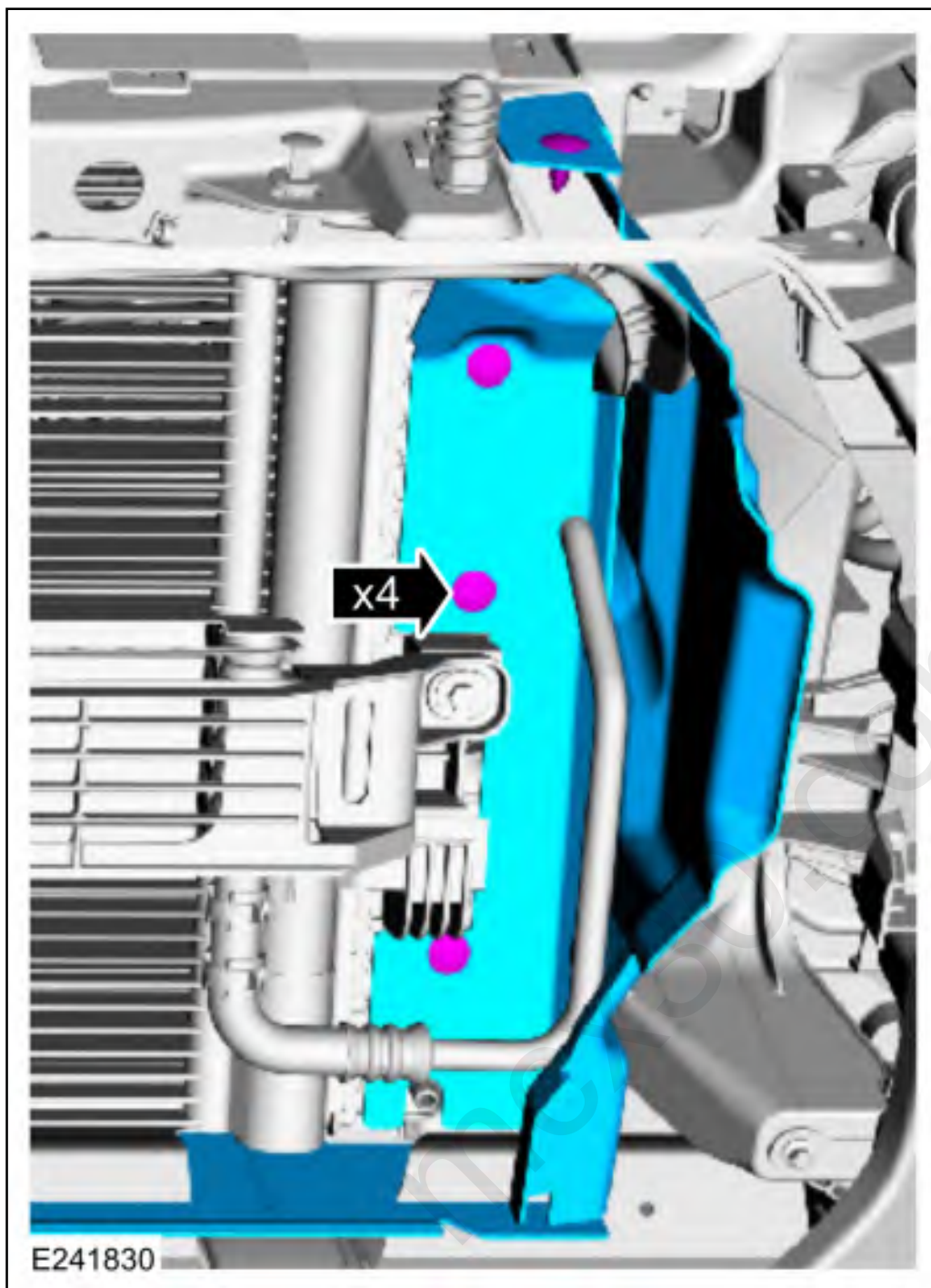
1. Position the transmission fluid cooler supply tube in the vehicle.



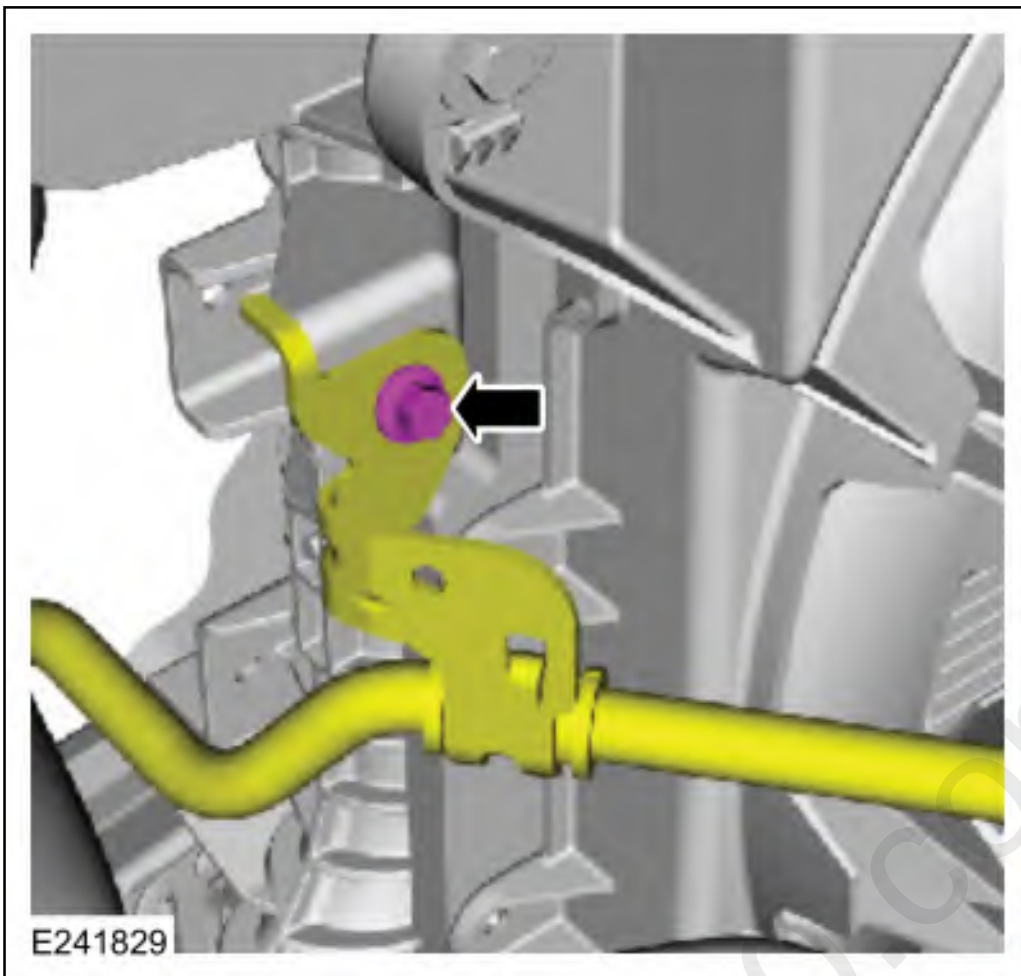
2. Connect the transmission fluid cooler supply tube and position the clamp.



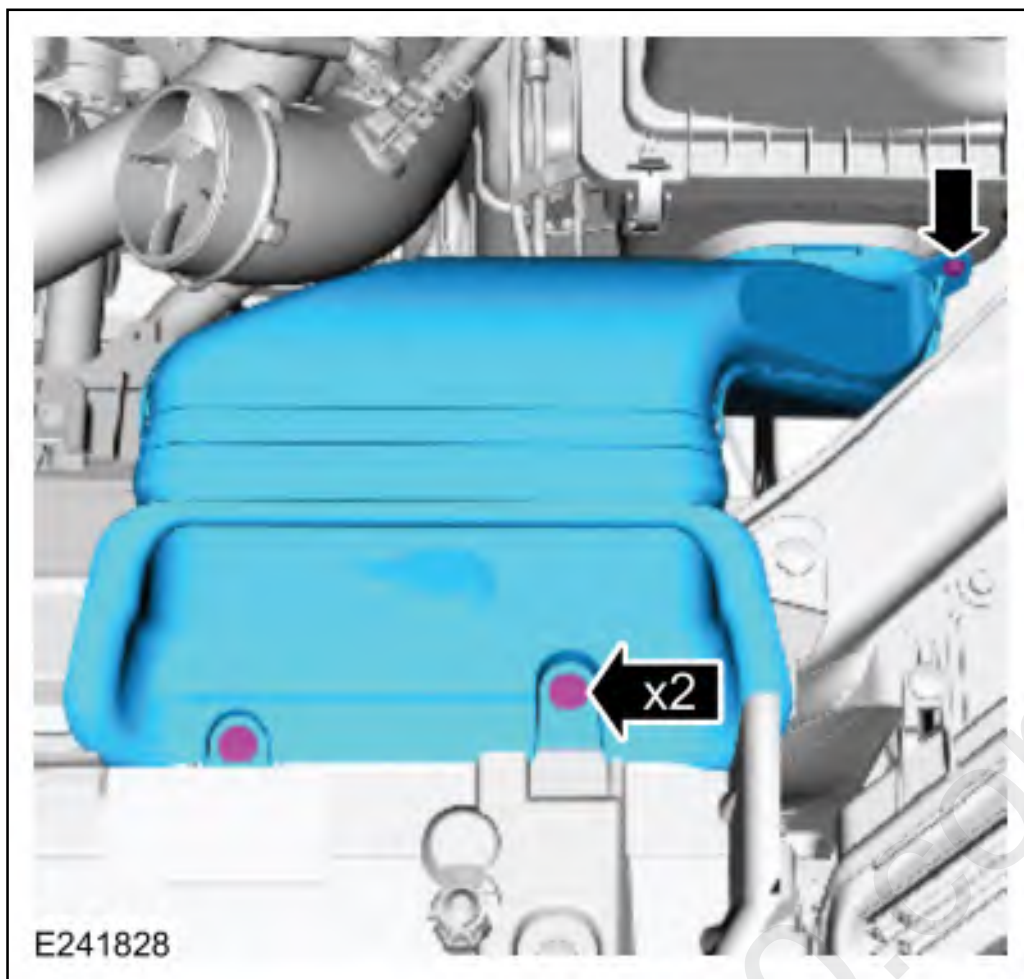
3. Install the LH radiator air deflector and the pushpins.



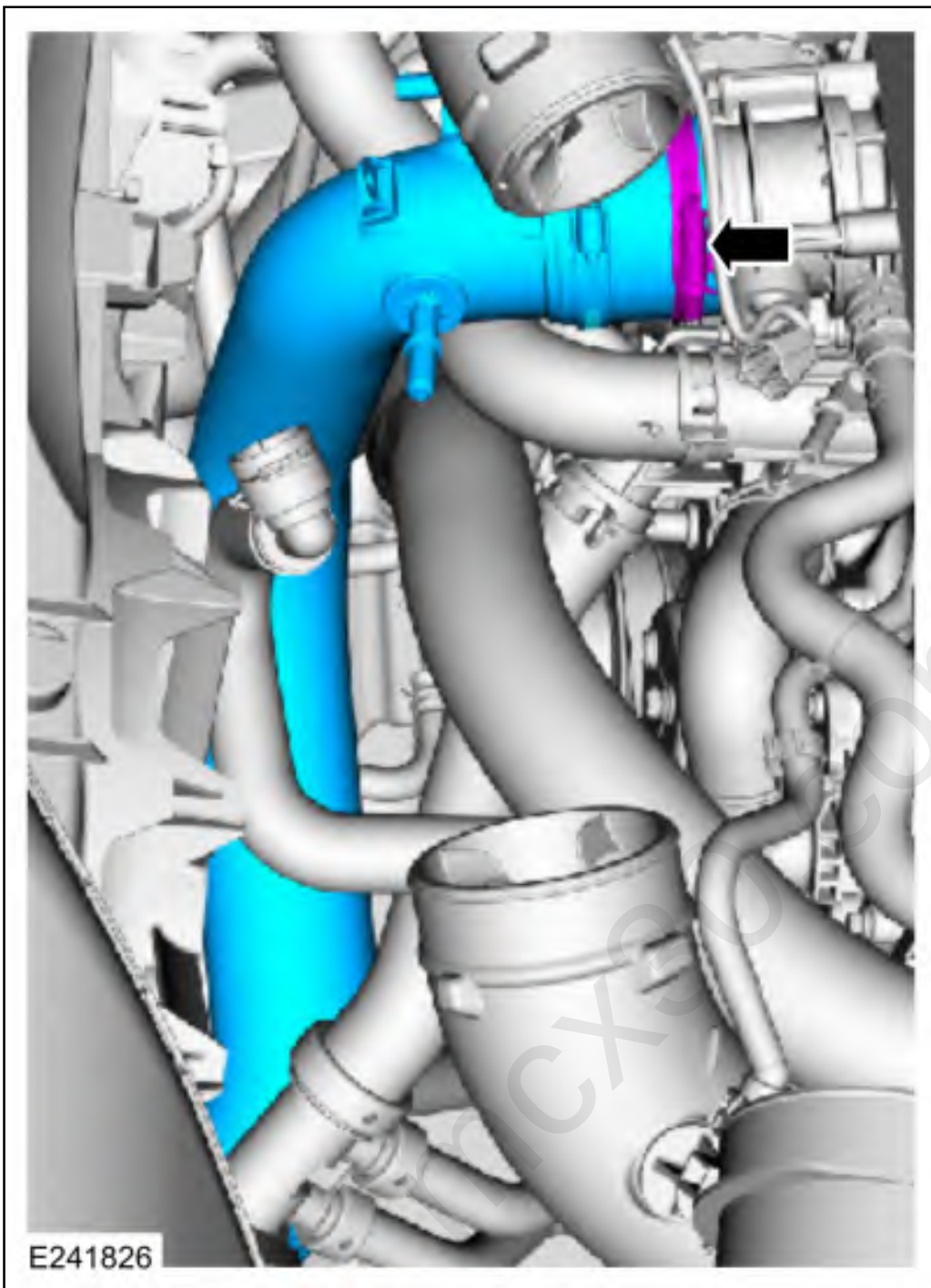
4. Install the active grille shutter.
Refer to: Active Grille Shutter (501-02 Front End Body Panels) .
5. Install the transmission fluid cooler supply tube bracket bolt.
Torque: 62 lb.in (7 Nm)



6. Install the air cleaner intake pipe, the bolt and the pushpins.
Torque: 44 lb.in (5 Nm)



7. Install the CAC outlet tube pipe and tighten the clamp.
Torque: 44 lb.in (5 Nm)

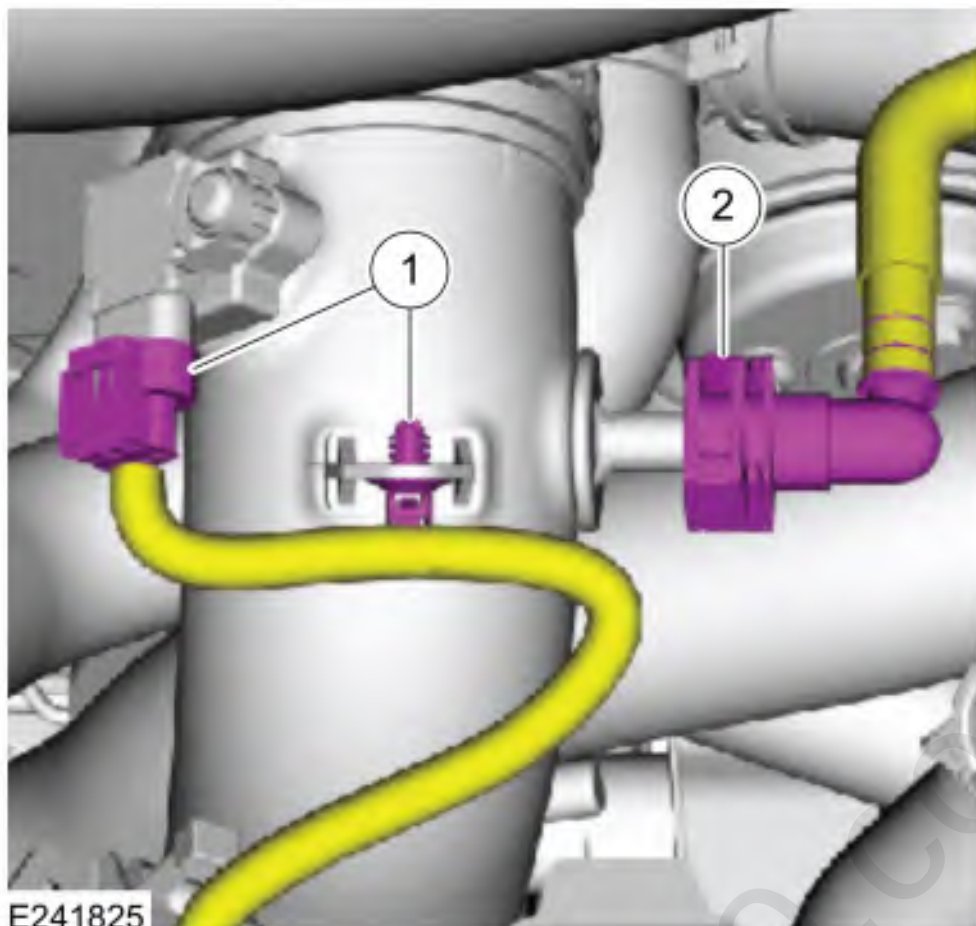


8.

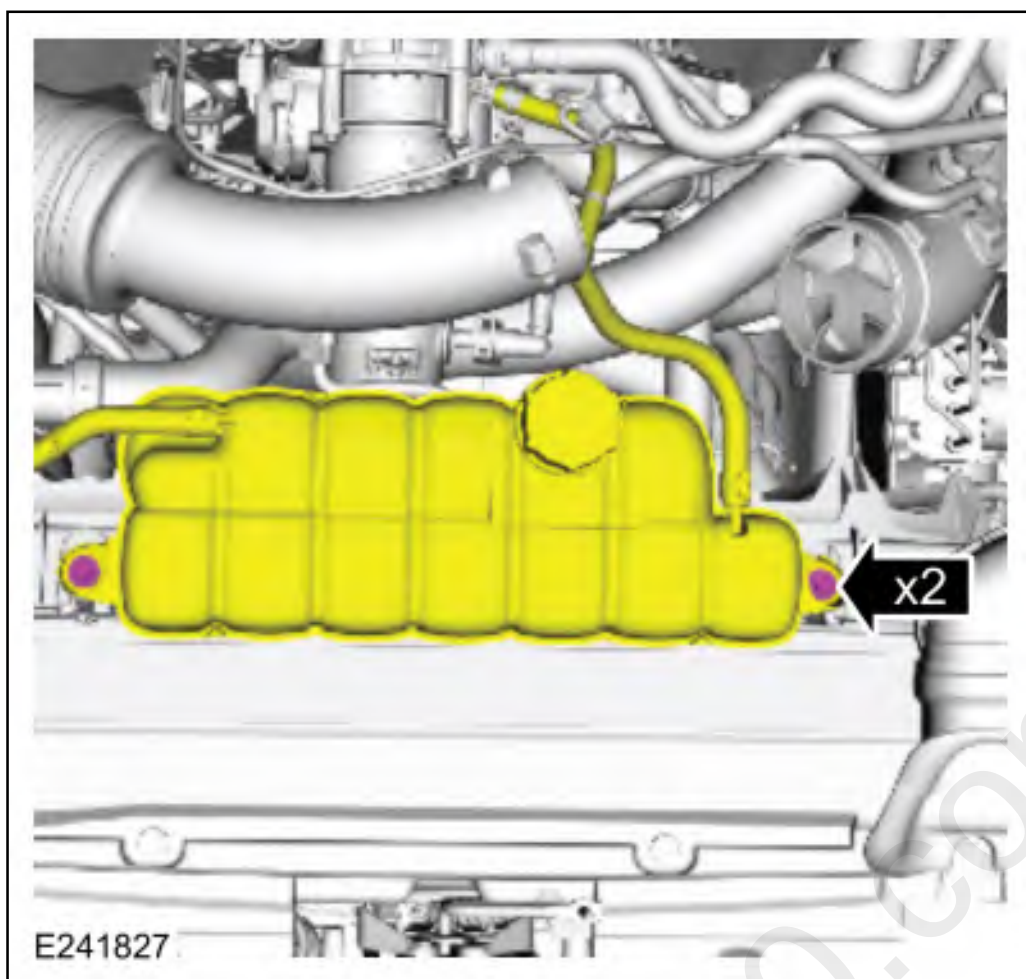
Connect the CAC outlet pipe attachments.

1. Connect the electrical connector and the wiring harness pushpin.
2. Connect the fuel vapor tube quick release coupling.

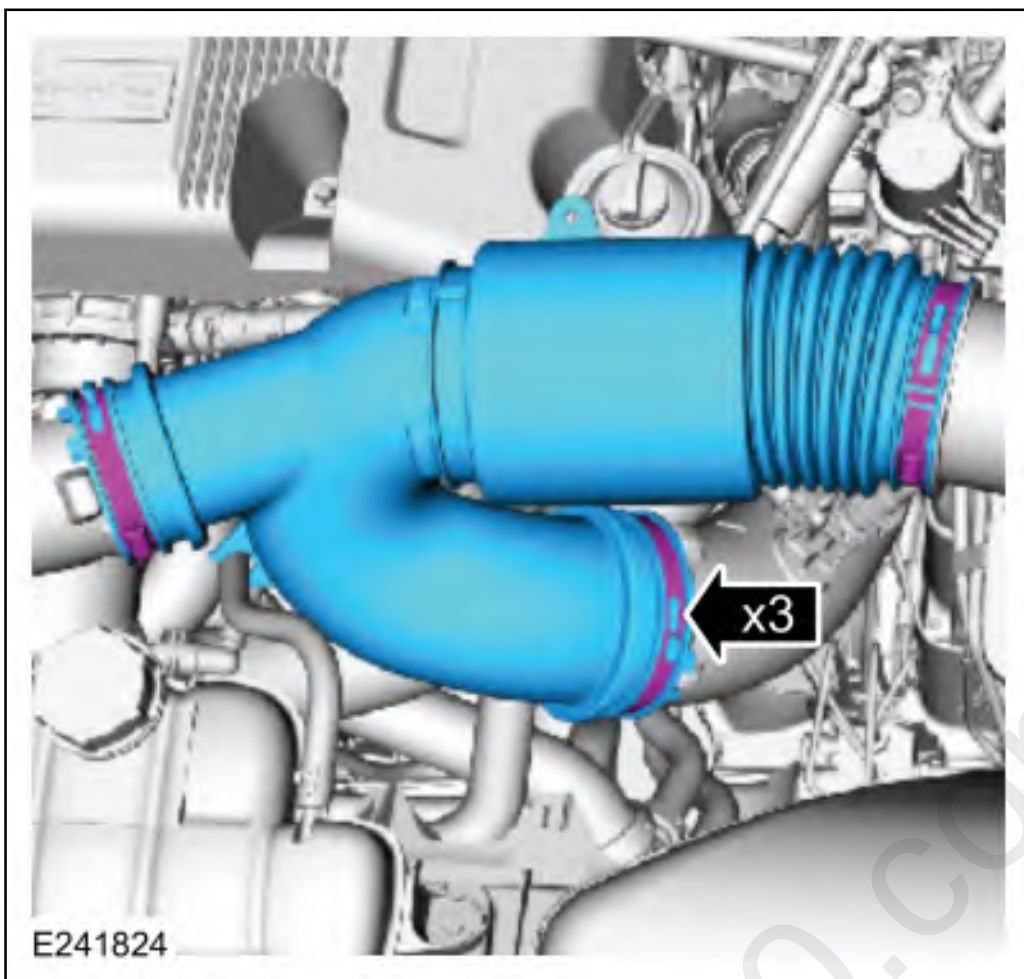
Refer to: Quick Release Coupling (310-00 Fuel System - General Information - 3.5L EcoBoost (272kW/370PS)) .



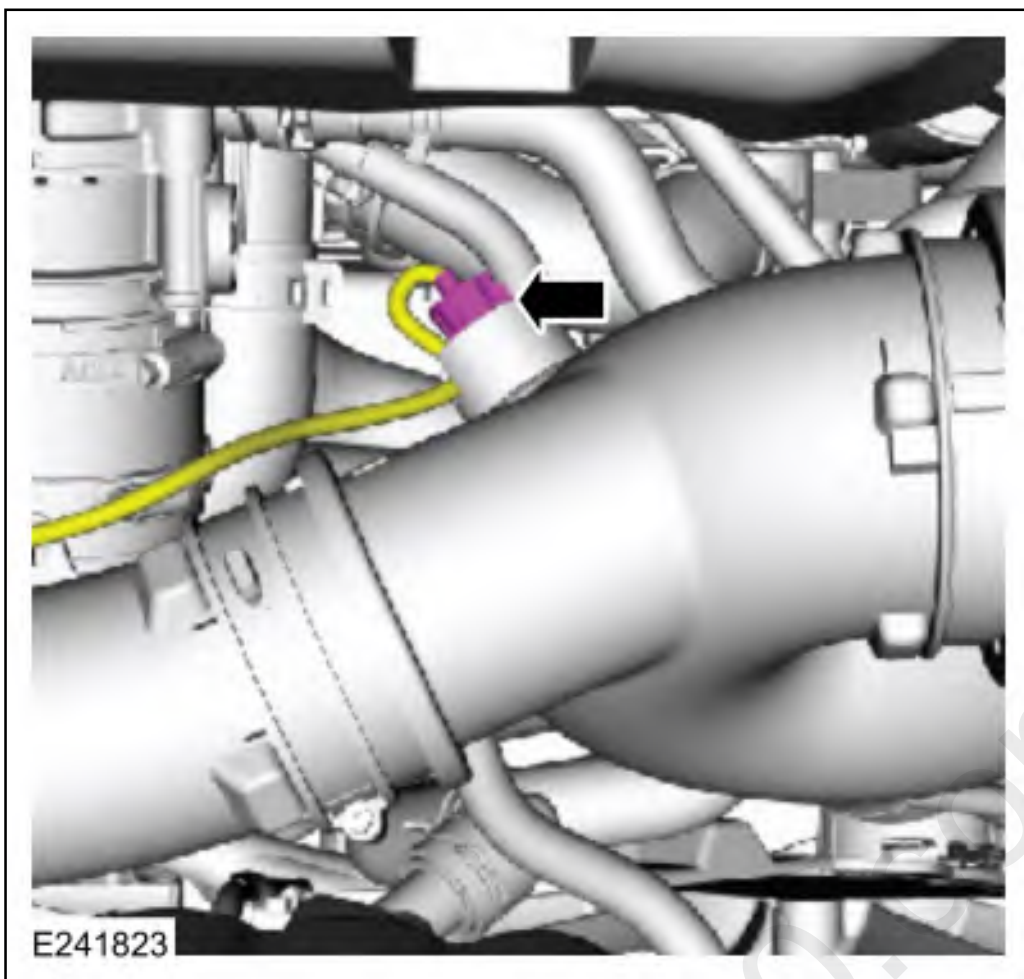
9. Position the degas bottle and install the bolts.
Torque: 62 lb.in (7 Nm)



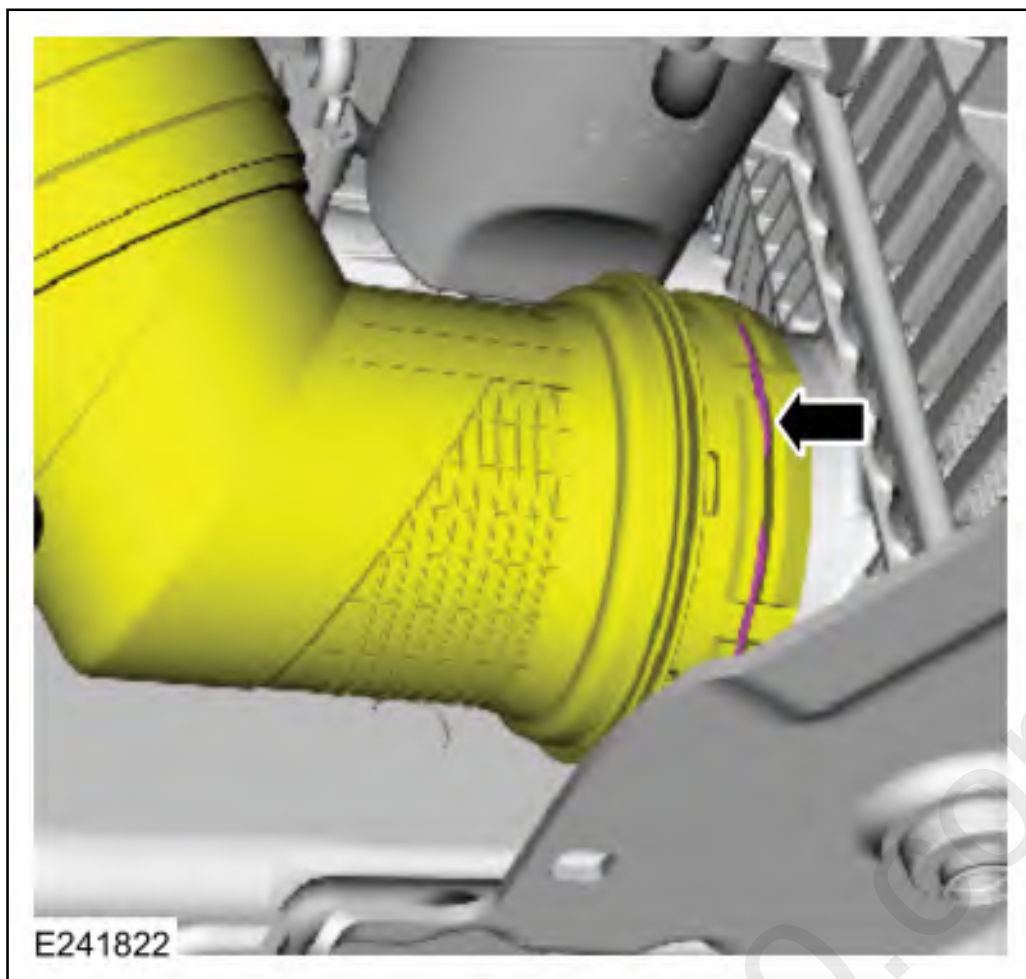
10. Install the air cleaner outlet pipe and tighten the clamps.
Torque: 44 lb.in (5 Nm)



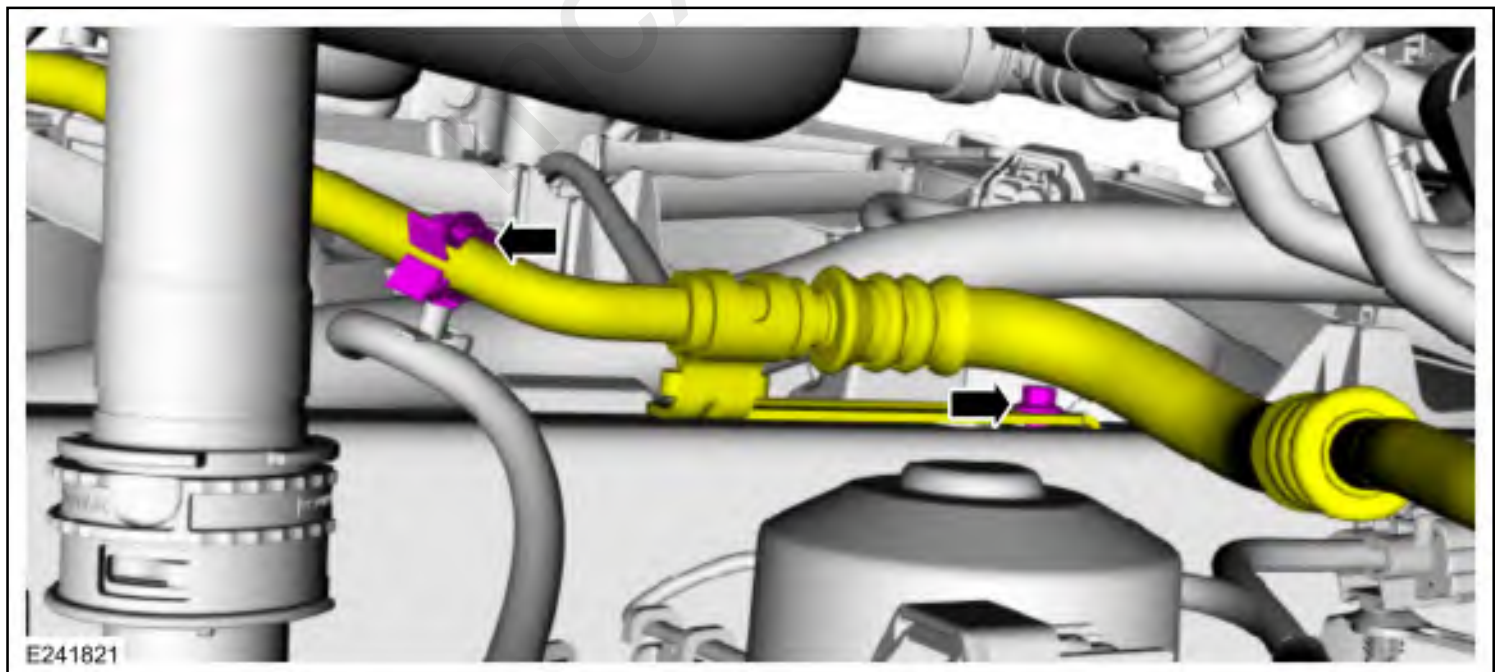
11. Connect the IAT sensor electrical connector.



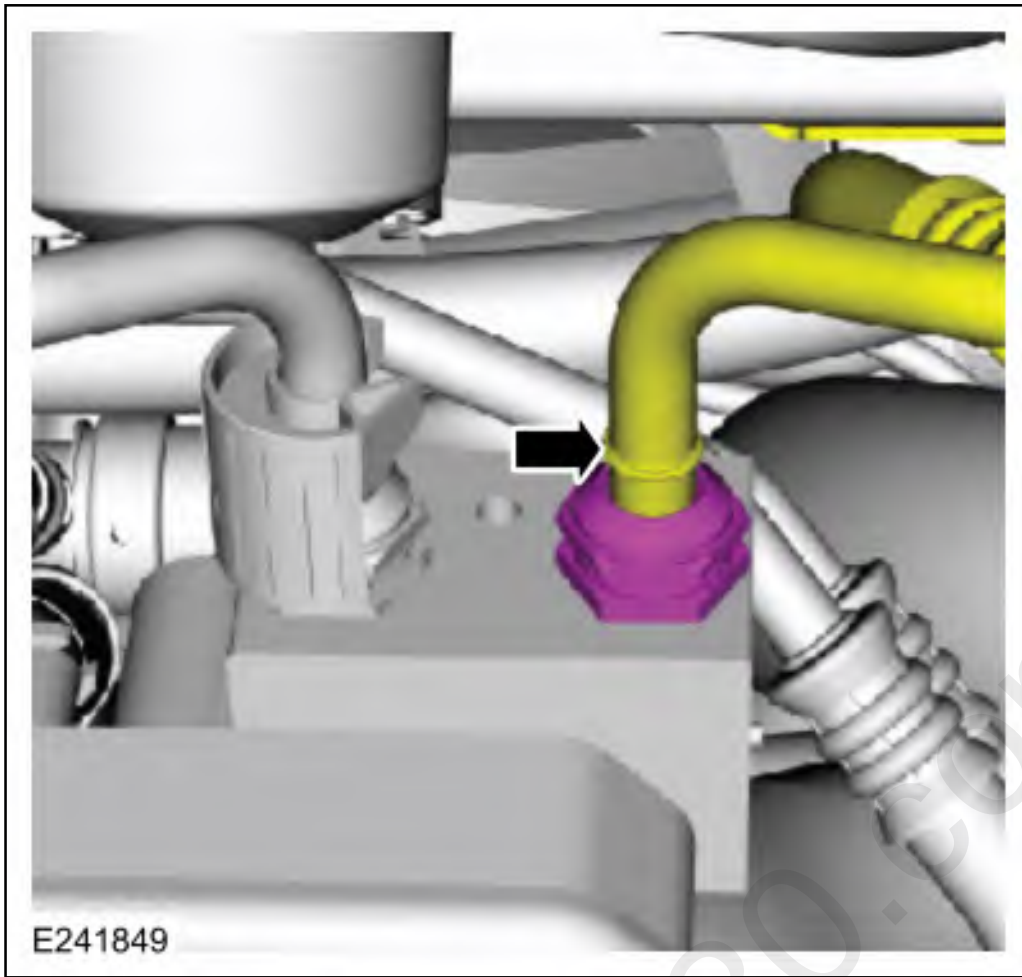
12. Connect the CAC outlet pipe to the CAC.



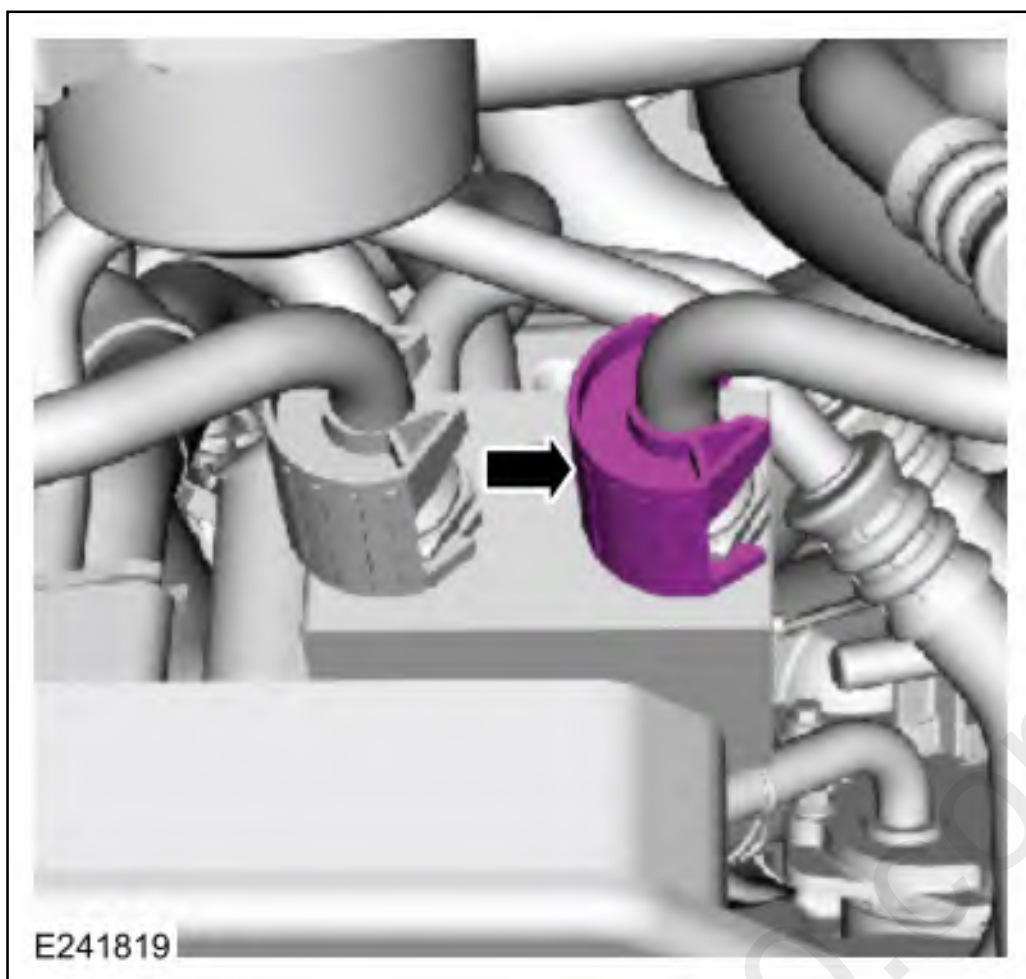
13. Install the transmission fluid cooler supply tube bracket bolt and connect the wiring harness standoff.
Torque: 106 lb.in (12 Nm)



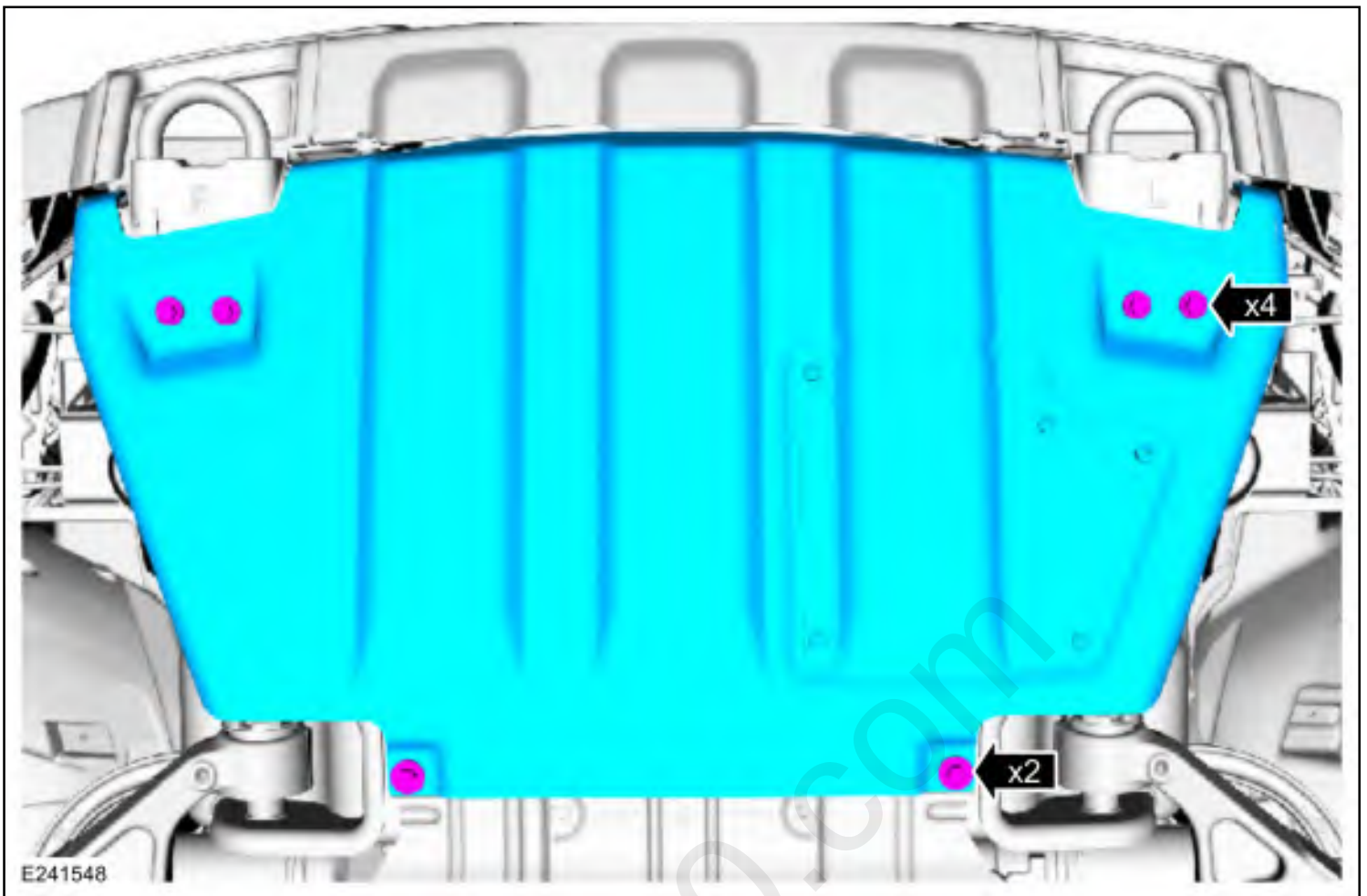
14. Connect the transmission fluid cooler supply tube to the cooler bypass valve.



15. Install the transmission fluid cooler supply tube secondary latch.



16. If equipped, install the skid plate and the bolts.
Torque: 22 lb.ft (30 Nm)



17. Check the transmission fluid level and adjust as necessary.

Refer to: [Transmission Fluid Level Check](#) (307-01B Automatic Transmission - 10-Speed Automatic Transmission - 10R80, General Procedures).