

Transmission Fluid Cooler Tubes

Special Tool(s) / General Equipment

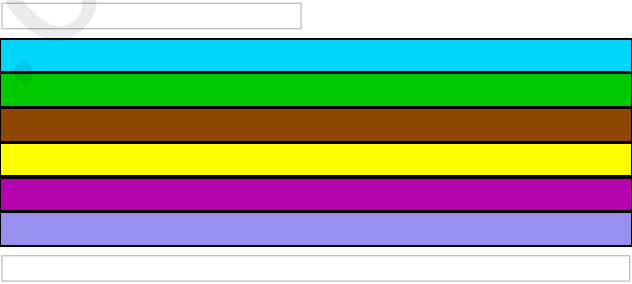
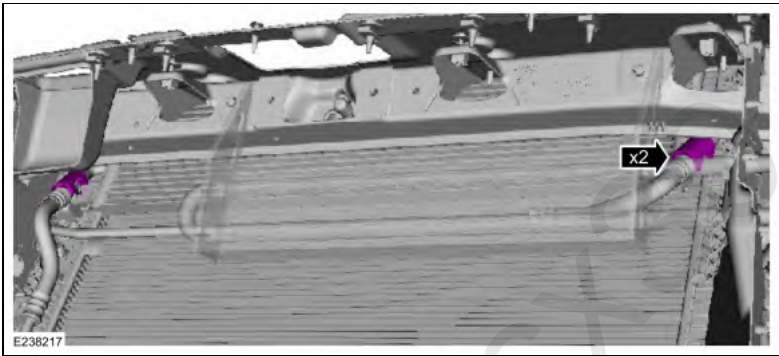
	307-569 Disconnect Tool TOC Line (1/2) TKIT-2006U-F/FM TKIT-2006U-FLM/LM TKIT-2006U-ROW1 TKIT-2006U-ROW2
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Materials

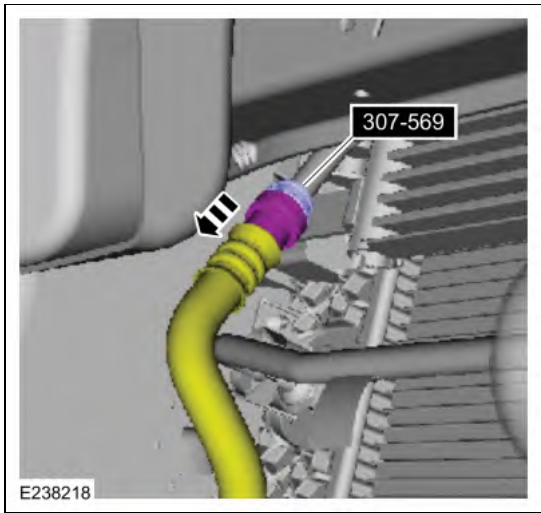
Name	Specification
Motorcraft® MERCON® LV Automatic Transmission Fluid XT-10-QLVC	WSS-M2C938-A MERCON® LV,

Removal

- With the vehicle in N, position it on a hoist.
Refer to: Jacking and Lifting - Overview (100-02 Jacking and Lifting, Description and Operation).
- Remove the radiator grille.
Refer to: Radiator Grille (501-08 Exterior Trim and Ornamentation, Removal and Installation).
- Remove the transmission fluid cooler tube coupling secondary latches.

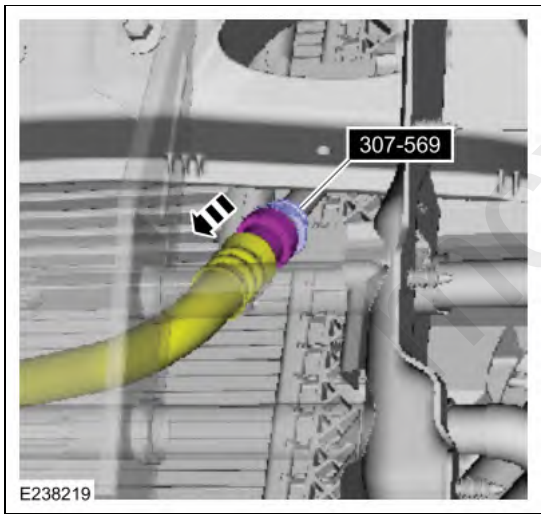


- NOTE:** Be prepared to collect escaping fluid.
Using the special tool, disconnect the auxiliary transmission fluid cooler RH tube.
Use Special Service Tool: 307-569 Disconnect Tool TOC Line (1/2).

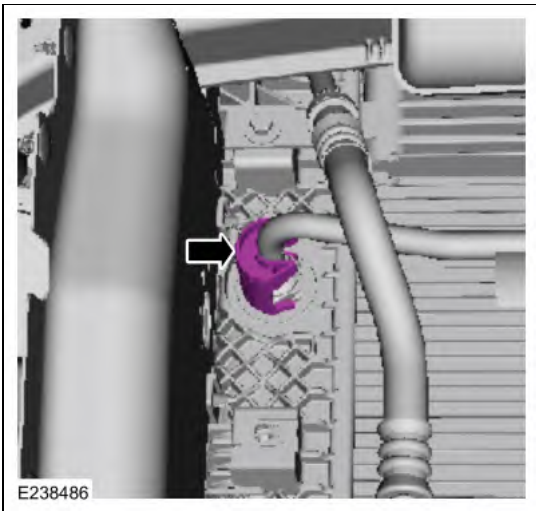


5. **NOTE:** Be prepared to collect escaping fluid.

Using the special tool, disconnect the auxiliary transmission fluid cooler LH tube.
Use Special Service Tool: 307-569 Disconnect Tool TOC Line (1/2).

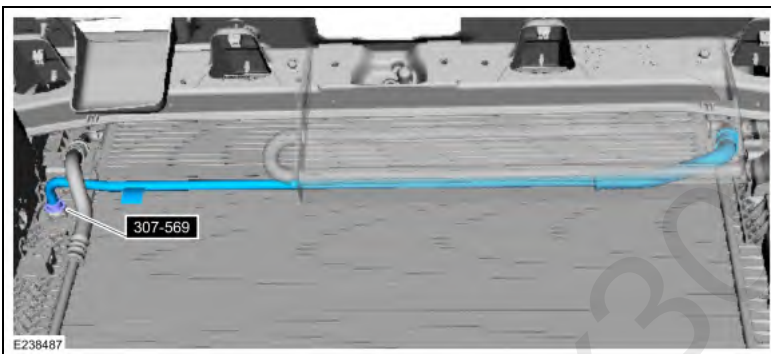


6. Remove the transmission fluid in-tank cooler-to-auxiliary cooler tube secondary latch.

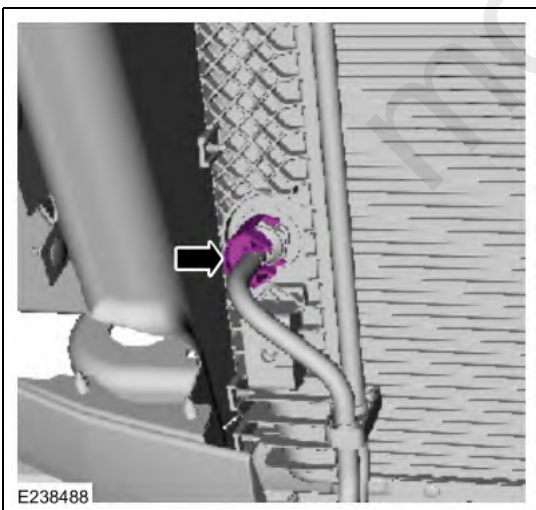


7. **NOTE:** Be prepared to collect escaping fluid.

Using the special tool, disconnect and remove the transmission fluid in-tank cooler-to-auxiliary cooler tube.
Use Special Service Tool: 307-569 Disconnect Tool TOC Line (1/2).

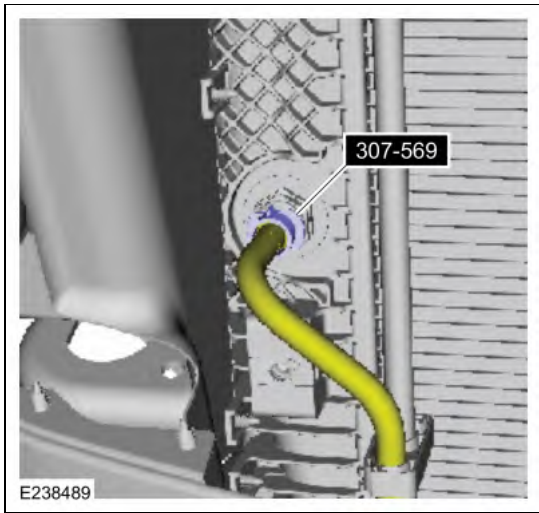


8. Remove the transmission-to-in-tank cooler tube secondary latch.

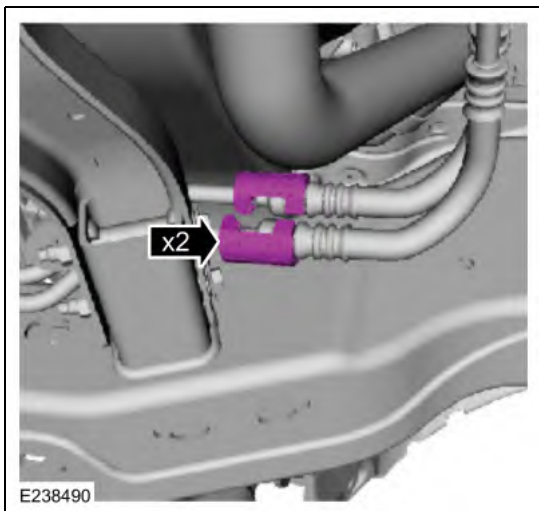


9. **NOTE:** Be prepared to collect escaping fluid.

Using the special tool, disconnect the transmission-to-in-tank cooler tube.
Use Special Service Tool: 307-569 Disconnect Tool TOC Line (1/2).

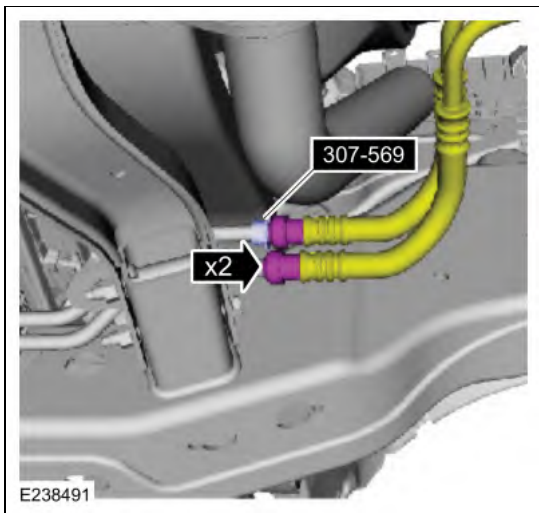


10. Remove the transmission fluid cooler tubes-to-transmission fluid cooler front tubes secondary latches.

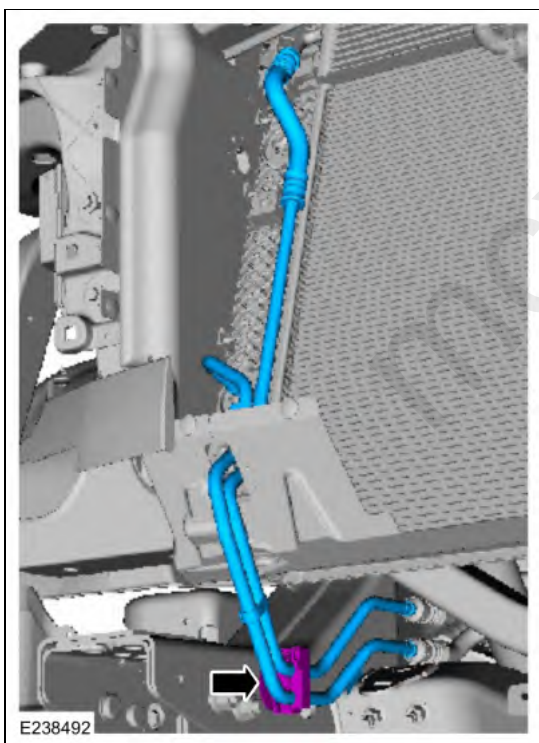


11. **NOTE:** Be prepared to collect escaping fluid.

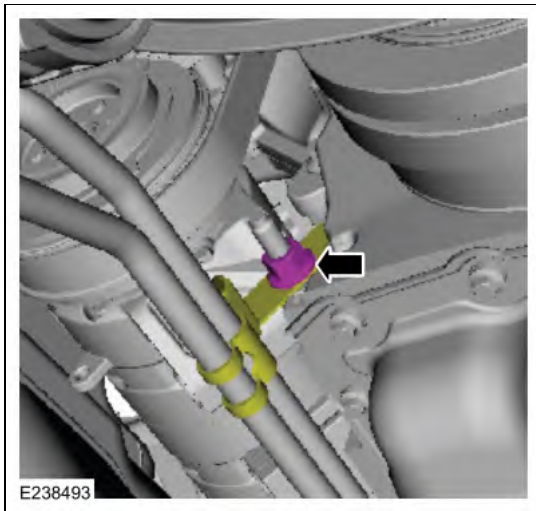
Using the special tool, disconnect the transmission fluid cooler tubes from the transmission fluid cooler front tubes.



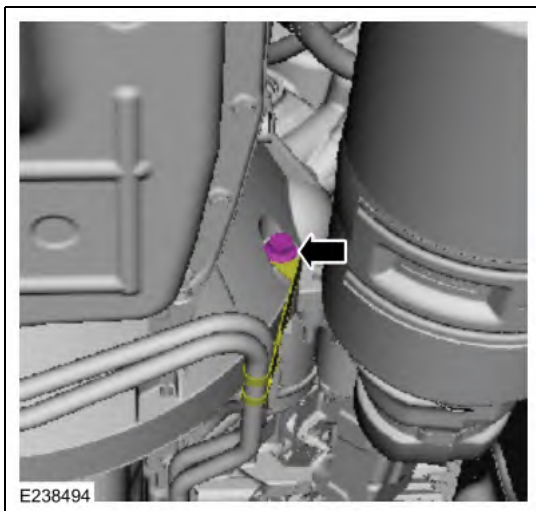
12. Disconnect the transmission fluid cooler front tubes retainer and remove the transmission fluid cooler front tubes.



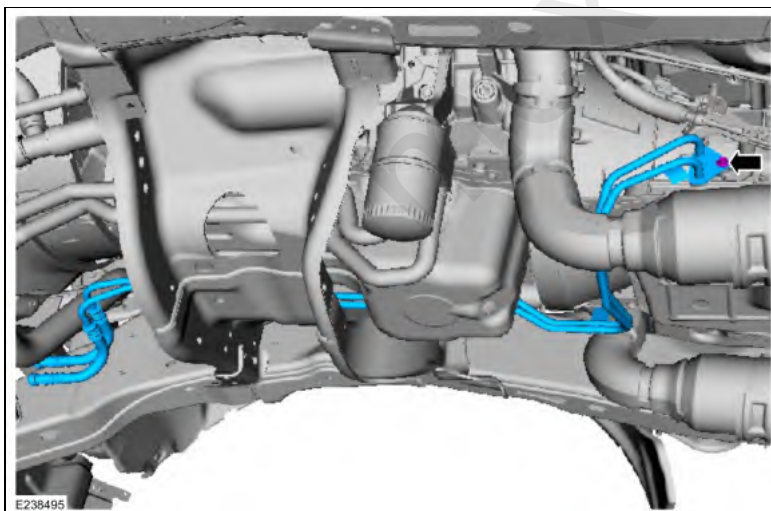
13. Remove the transmission fluid cooler tubes bracket nut.



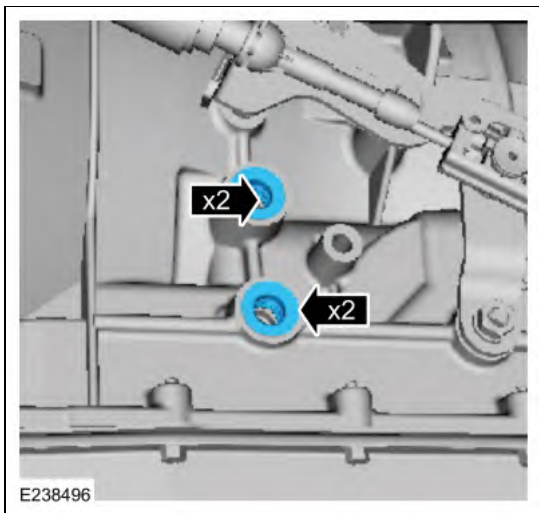
14. Remove the transmission fluid cooler tubes bracket bolt.



15. Remove the bolt and the transmission fluid cooler tubes.

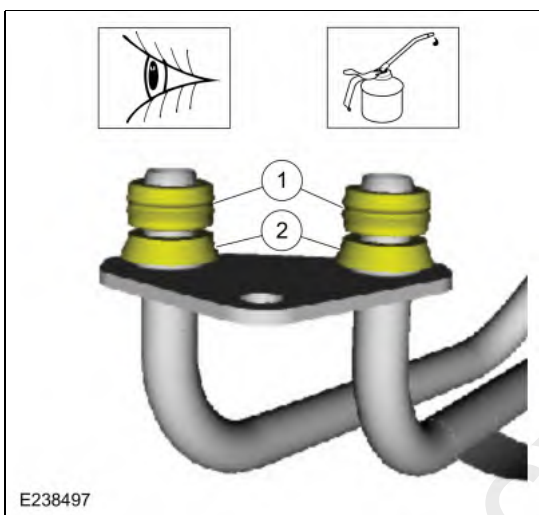


16. Inspect the transmission to be sure the transmission fluid tube seals and backing rings were removed with the transmission fluid tubes and are not stuck in the transmission. If the transmission fluid tube seals or backing rings are stuck in the transmission, remove the seals and backing rings.

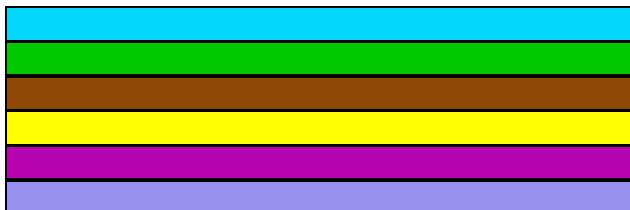
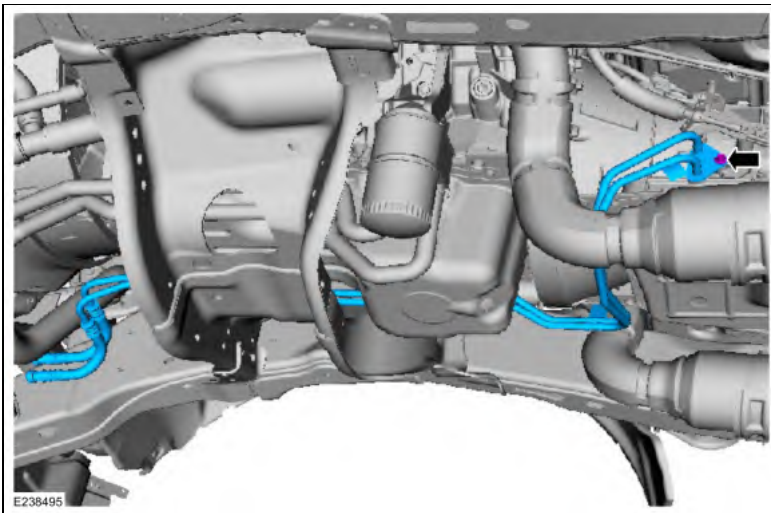


Installation

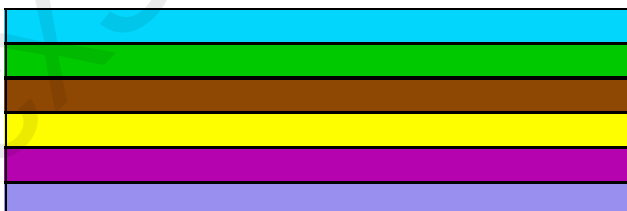
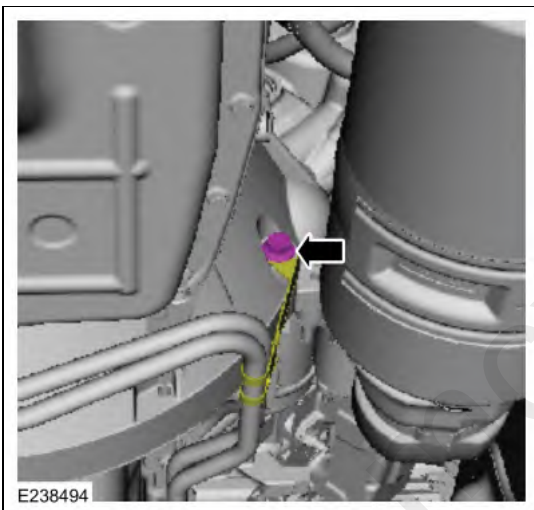
1. Inspect the transmission fluid tube backing rings and seals for damage and install new backing rings or seals if necessary.
 1. Seal (7D285)
Material: Motorcraft® MERCON® LV Automatic Transmission Fluid / XT-10-QLVC (WSS-M2C938-A) (MERCON® LV,)
 2. Backing ring (7J324)



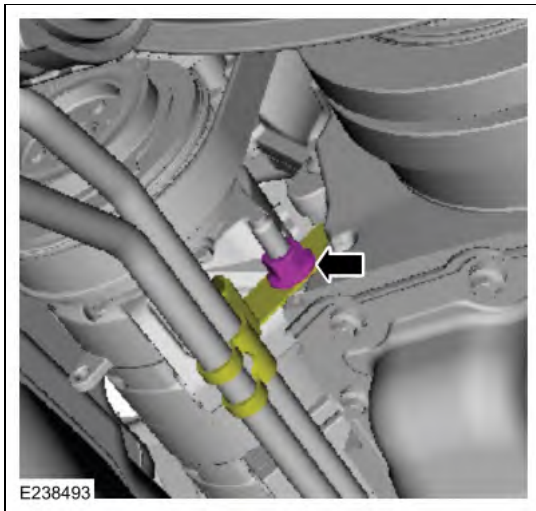
2. Install the transmission fluid cooler tubes and the bolt.
Torque: 18 lb.ft (25 Nm)



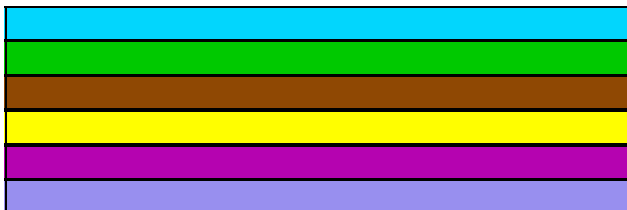
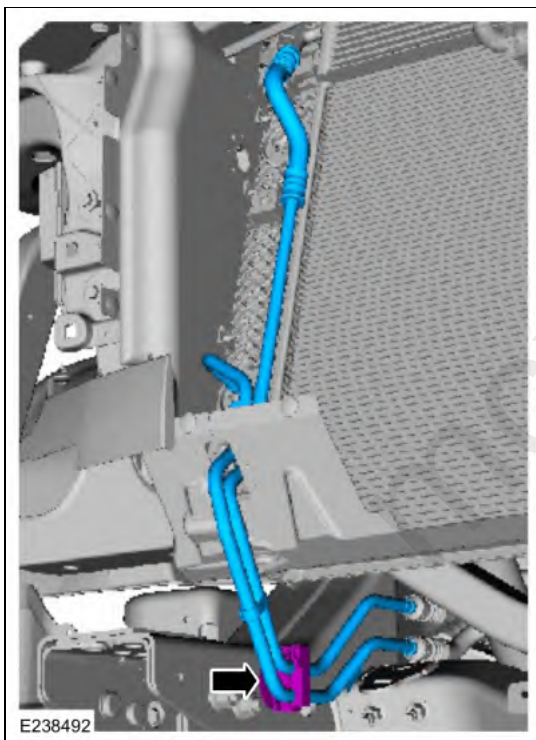
3. Install the transmission fluid cooler tubes bracket bolt.
Torque: 35 lb.ft (48 Nm)



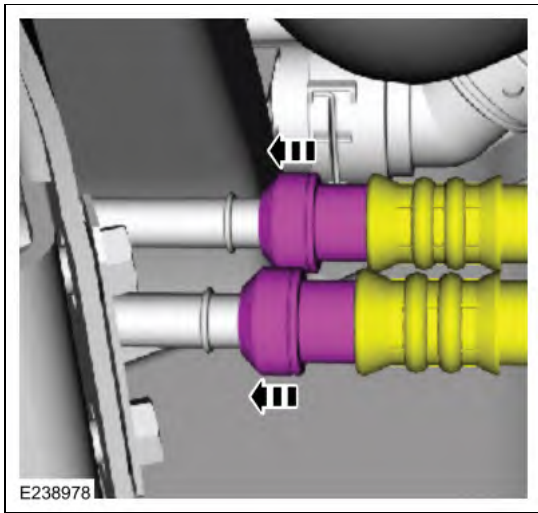
4. Install the transmission fluid cooler tubes bracket nut.
Torque: 30 lb.ft (40 Nm)



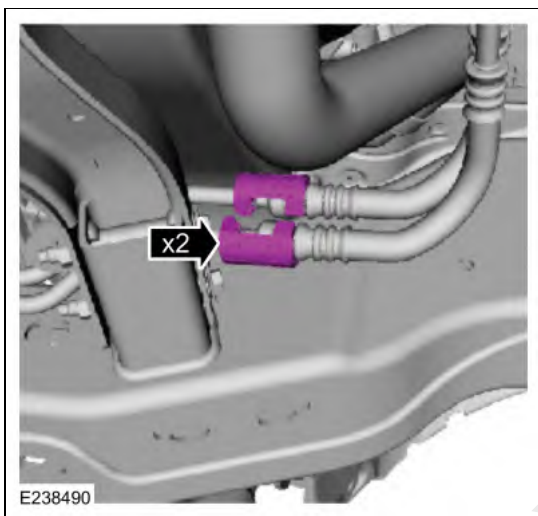
5. Install the transmission fluid cooler front tubes and connect the transmission fluid cooler front tubes retainer.



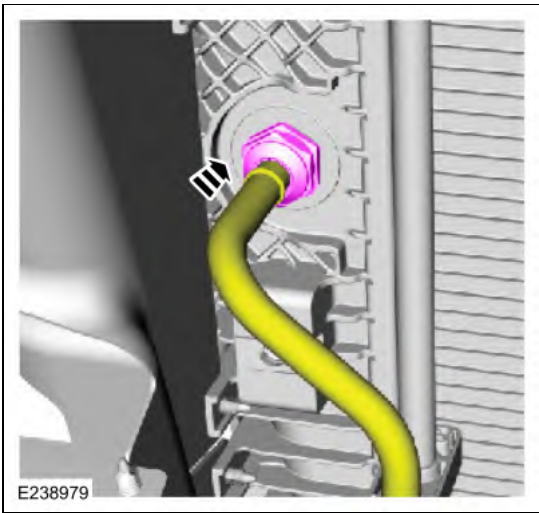
6. Connect the transmission fluid cooler tubes to the transmission fluid cooler front tubes.



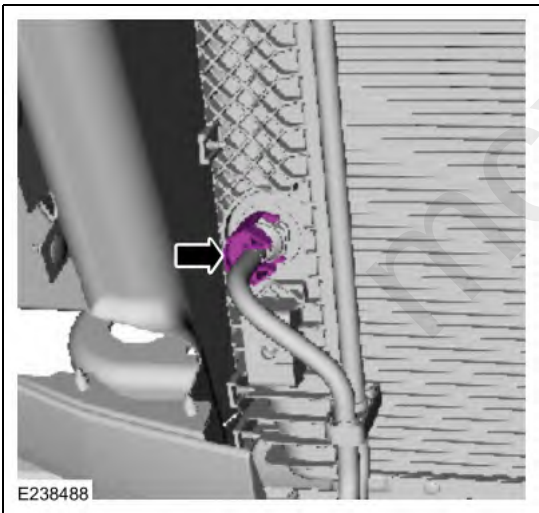
7. Install the transmission fluid cooler tubes-to-transmission fluid cooler front tubes secondary latches.



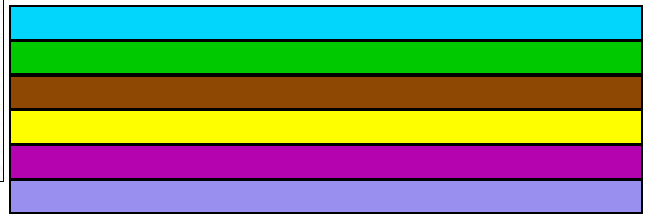
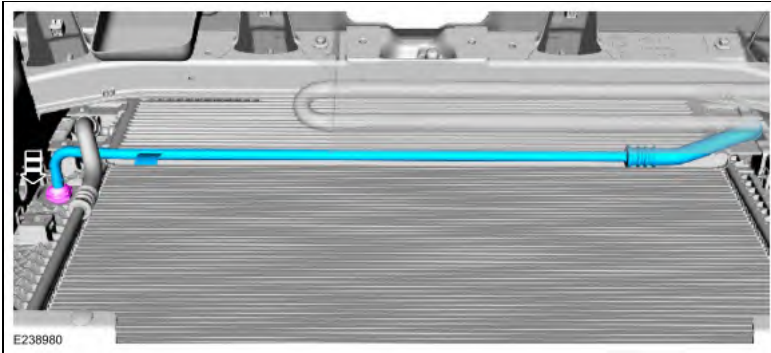
8. Connect the transmission-to-in-tank cooler tube.



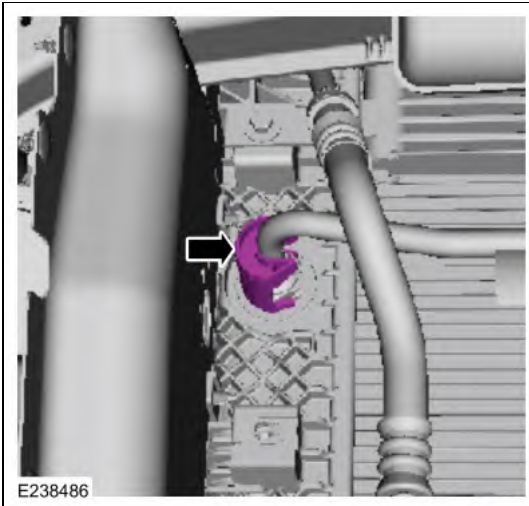
9. Install the transmission-to-in-tank cooler tube secondary latch.



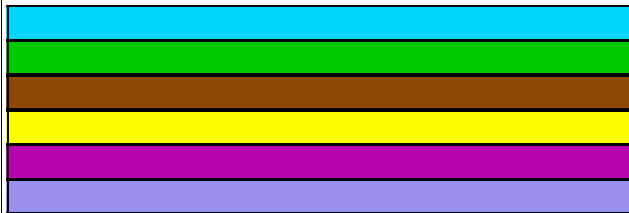
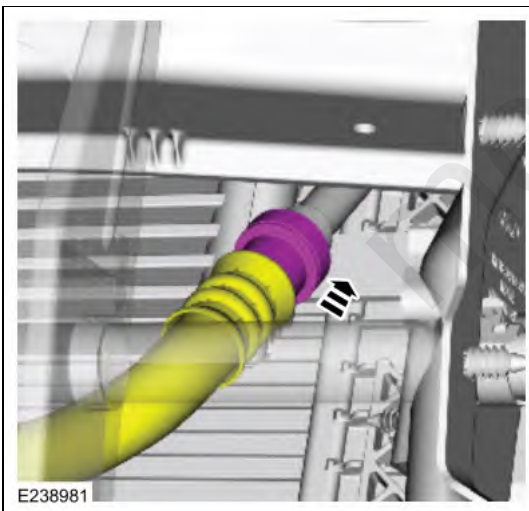
10. Install and connect the transmission fluid in-tank cooler-to-auxiliary cooler tube.



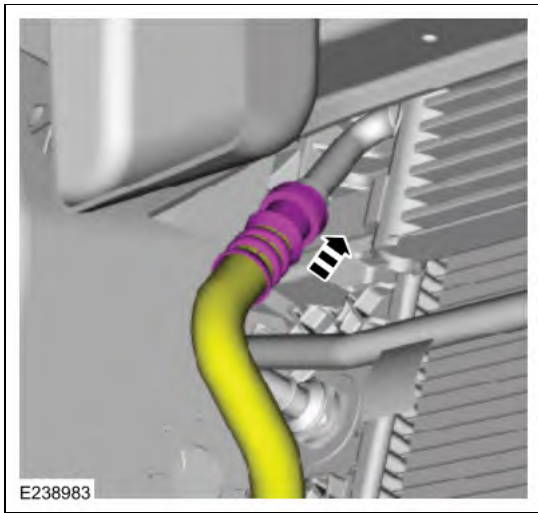
11. Install the transmission fluid in-tank cooler-to-auxiliary cooler tube secondary latch.



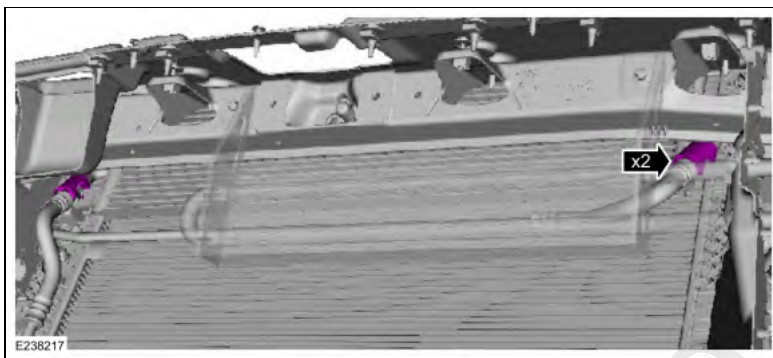
12. Connect the auxiliary transmission fluid cooler LH tube.



13. Connect the auxiliary transmission fluid cooler RH tube.



14. Install the transmission fluid cooler tube coupling secondary latches.



15. Install the radiator grille.
Refer to: Radiator Grille (501-08 Exterior Trim and Ornamentation, Removal and Installation).

16. Check the transmission fluid level and adjust as necessary.
Refer to: Transmission Fluid Level Check (307-01A Automatic Transmission, Transfer Case and Power Transfer Unit - 6-Speed Automatic Transmission â€“ 6R100, General Procedures).