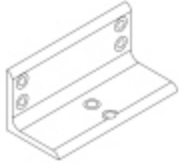


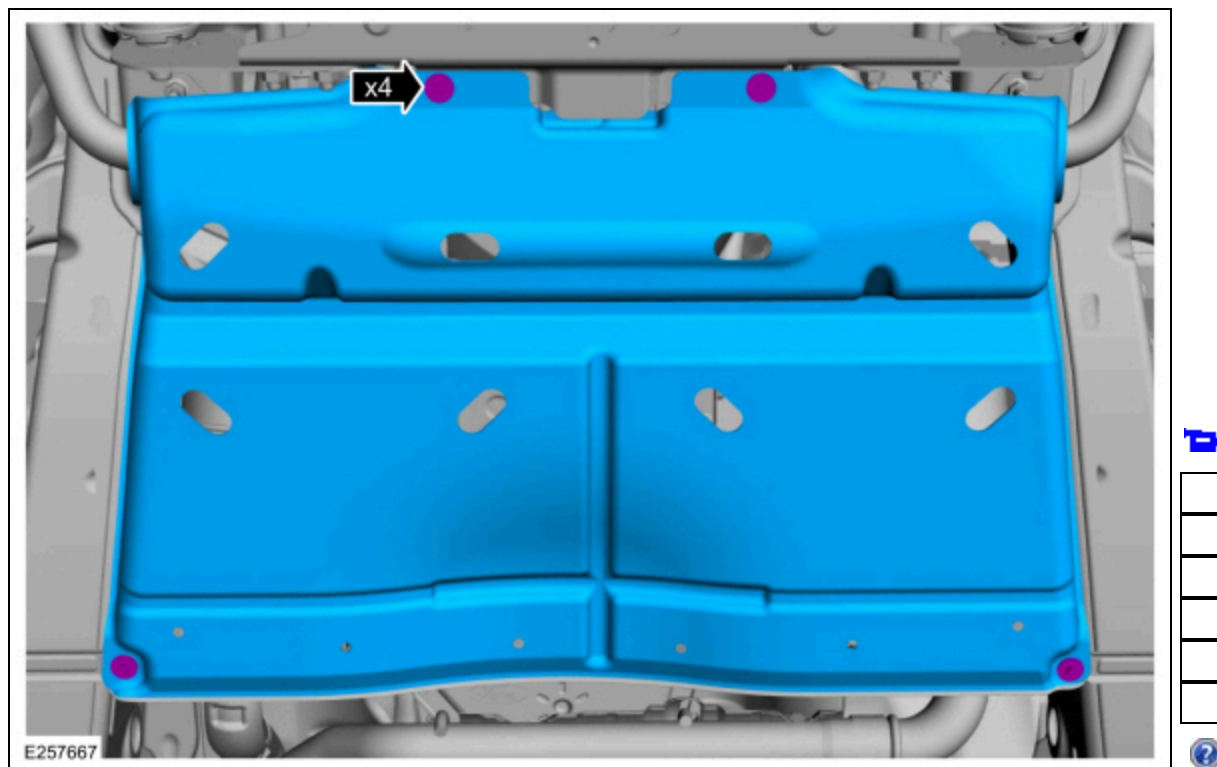
Transmission Fluid Pan, Gasket and Filter

Special Tool(s) / General Equipment

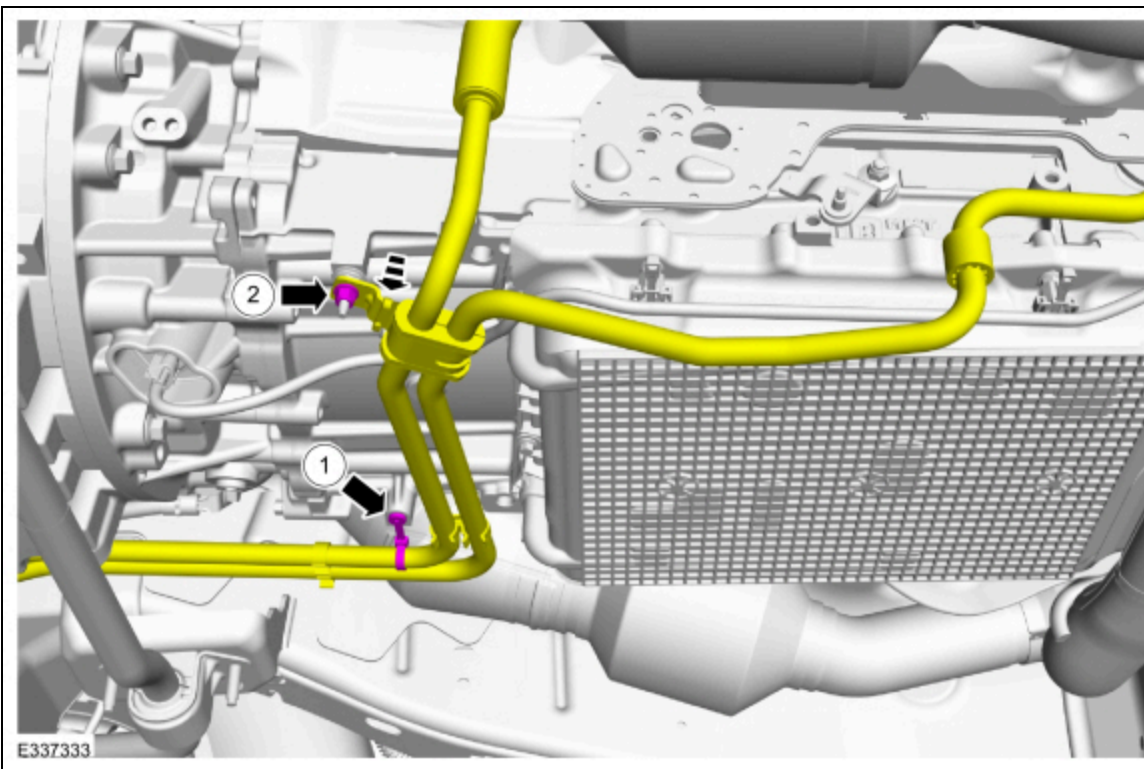
 <p>E216422</p>	<p>307-625 Fixture, Bench Mounting TKIT-2008ET-FLM TKIT-2008ET-ROW</p>
<p>Vehicle/Axle Stands</p>	
<p>Wooden Block</p>	

Removal

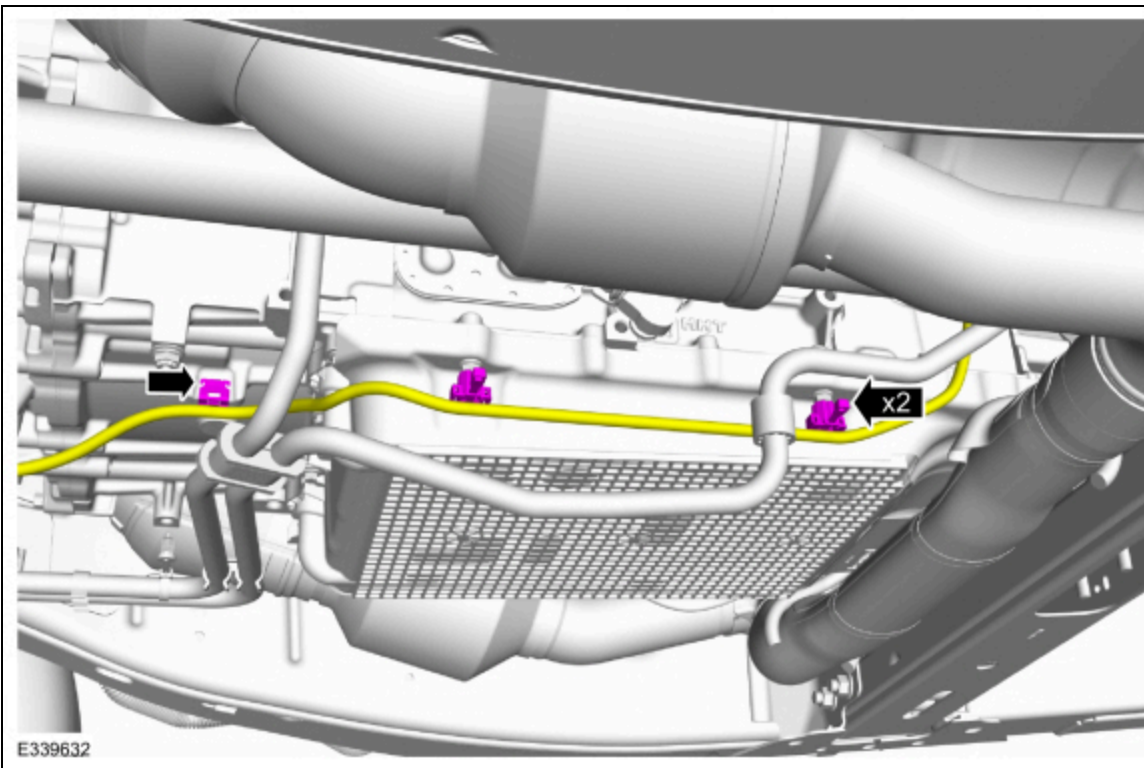
1. With the vehicle in NEUTRAL, position it on a hoist.
Refer to: [Jacking and Lifting - Overview](#) (100-02 Jacking and Lifting, Description and Operation).
2. If equipped, remove the retainers and splash shield.



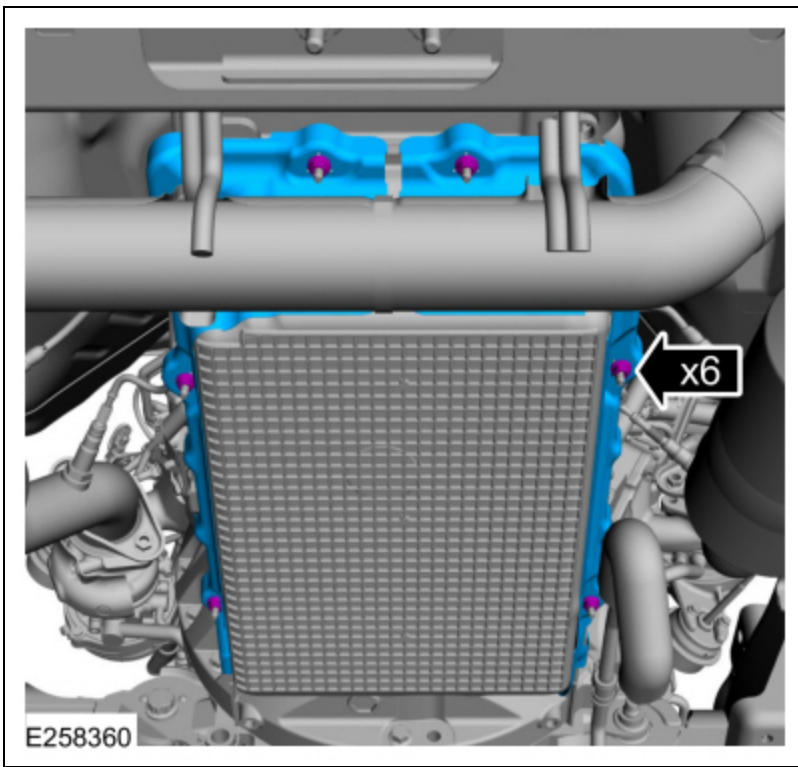
3.
 1. Disconnect the pin-type retainer.
 2. Remove the coolant tube hanger nut and separate the hanger from the stud bolt.



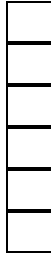
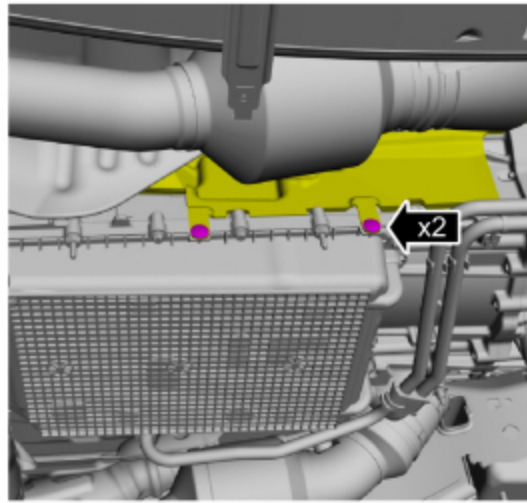
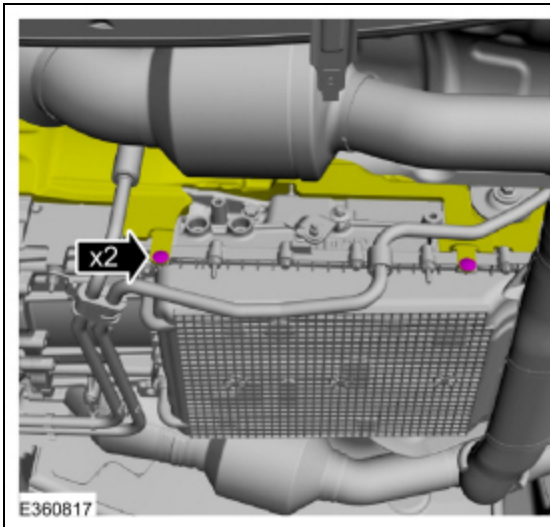
4. Disconnect the engine clutch pressure sensor wiring harness retainers from the transmission.



5. Remove the retainers and heatshields.



6. Remove the retainers from the NVH cover.



7. Remove the RH catalytic converter.

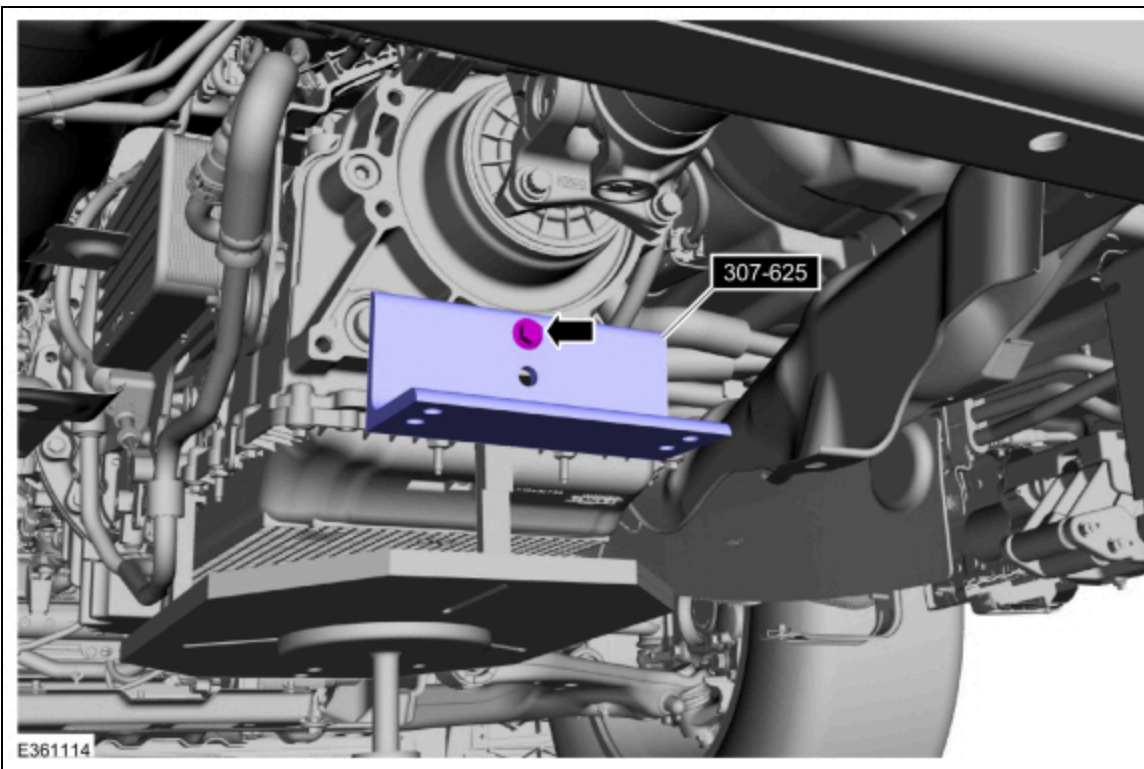
Refer to: [Catalytic Converter RH](#) (309-00D Exhaust System - 3.5L V6 PowerBoost (CN), Removal and Installation).

LHD RWD

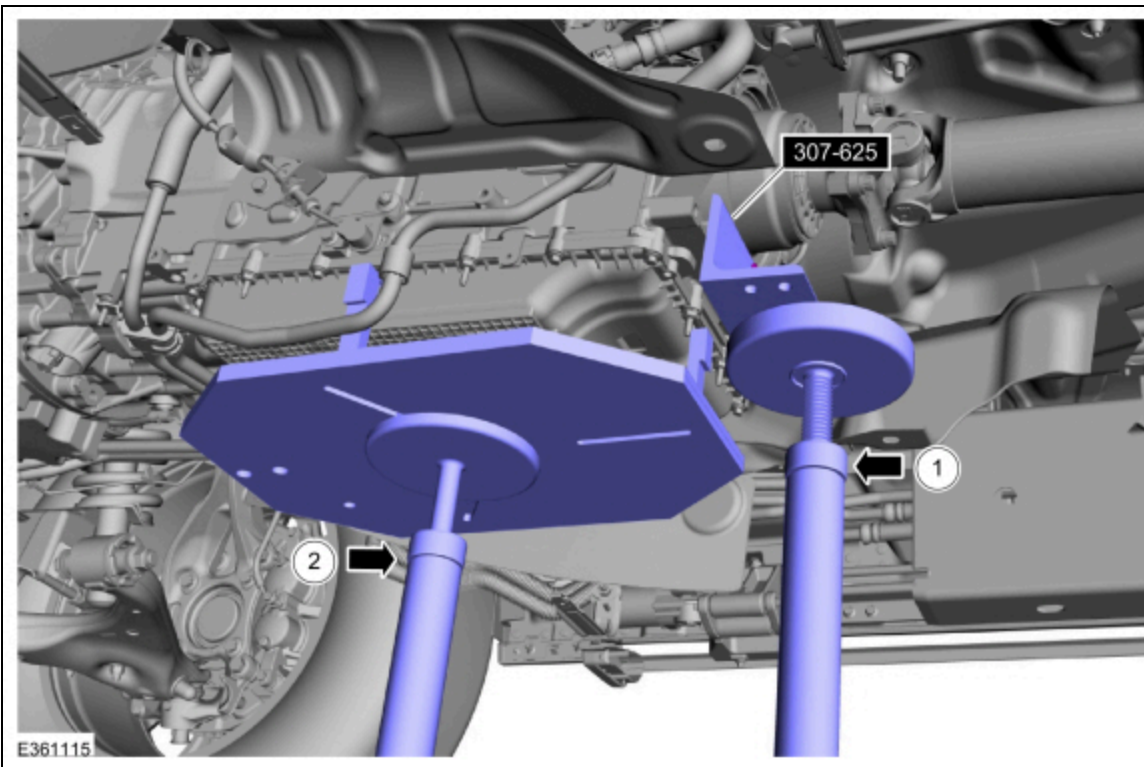
8. Using a 10x25 mm bolt, install the special tool.

Use Special Service Tool: [307-625 Fixture, Bench Mounting](#).

Torque: 159 lb.in (18 Nm)

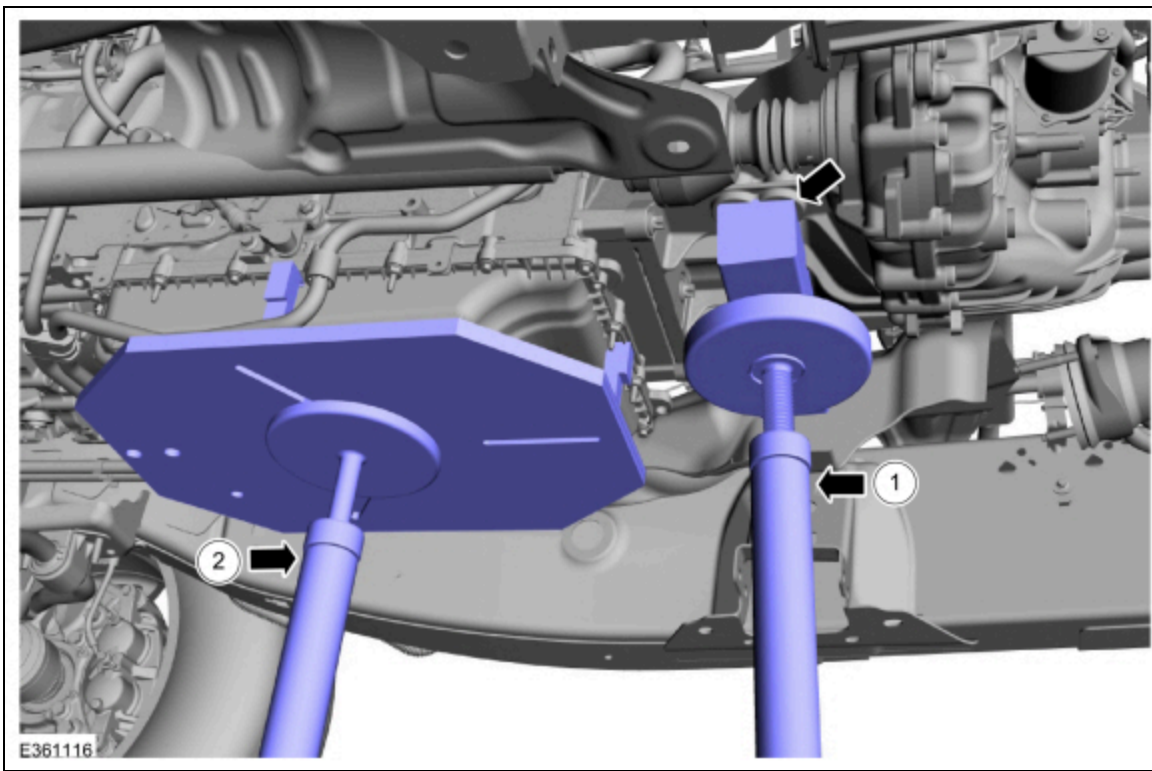


9.
 1. Using an adjustable stand, support the rear of the transmission.
Use the General Equipment: Vehicle/Axle Stands
 2. Remove the high-lift transmission jack.



LHD 4WD

10.
 1. Using an adjustable stand and a wooden block, support the transfer case.
Use the General Equipment: Vehicle/Axle Stands
Use the General Equipment: Wooden Block
 2. Remove the high-lift transmission jack.



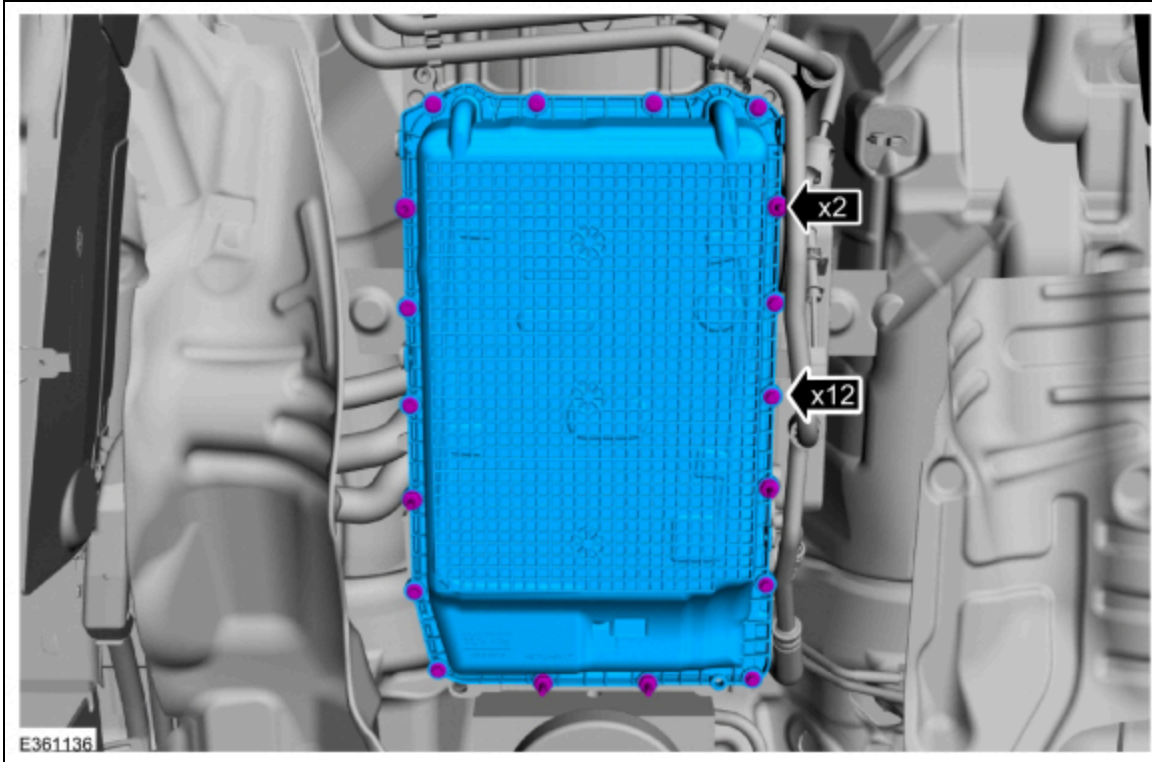
E361116

All vehicles

11. **NOTE:** Note the location of the bolts and studbolts for assembly.

NOTE: Be prepared to collect escaping fluid.

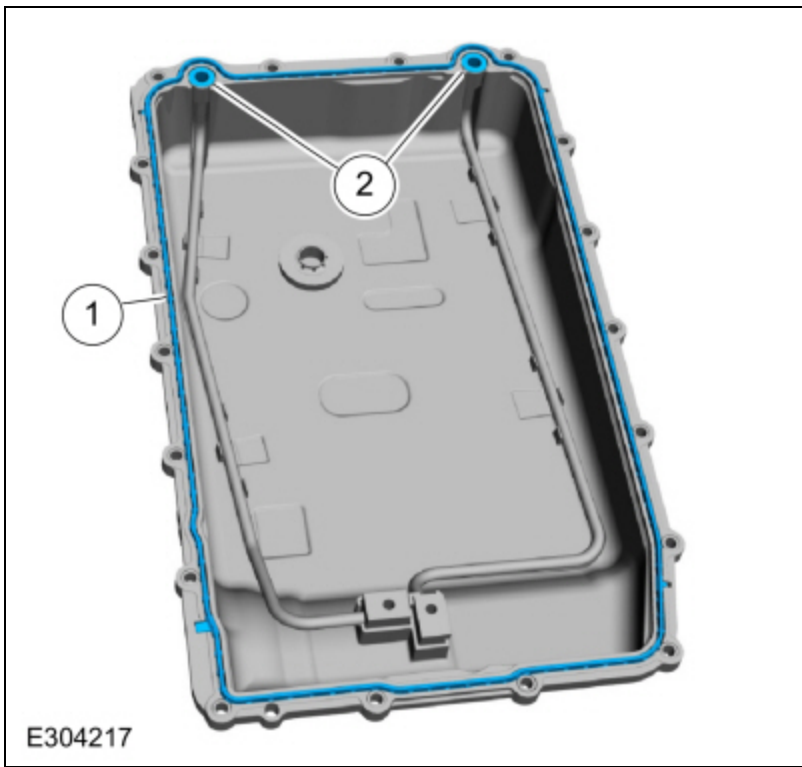
Remove the transmission fluid pan bolts and the transmission fluid pan and allow the transmission fluid to drain.



E361136

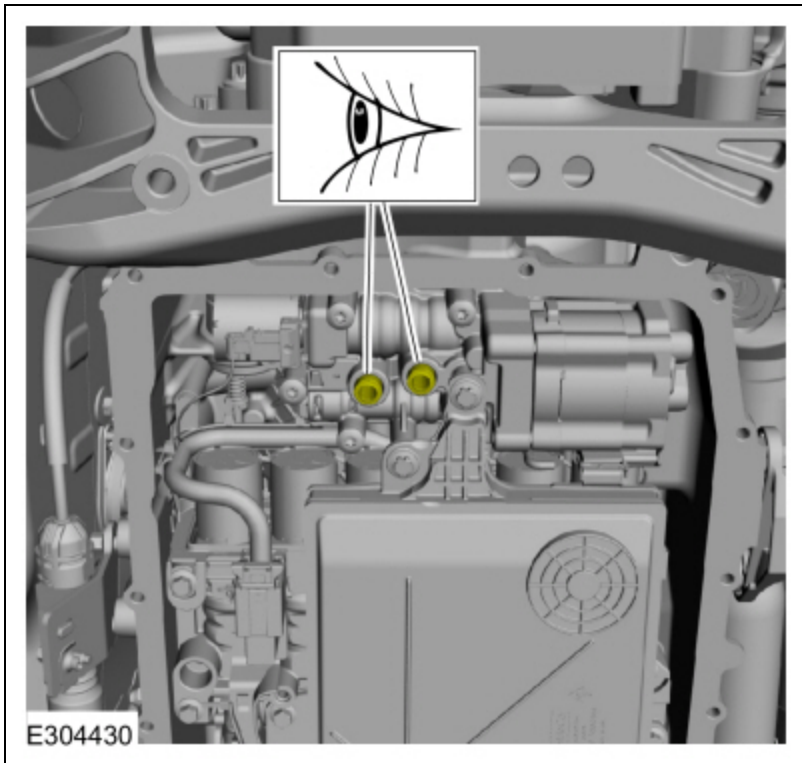
12. **NOTE:** The transmission fluid pan gasket and the transmission fluid pan to transmission case seals can be reused if not damaged.

1. Remove the transmission fluid pan gasket.
2. Remove the transmission fluid pan to transmission case seals.



13. **NOTE:** *The hybrid drive unit feed tube seals can be reused if not damaged.*

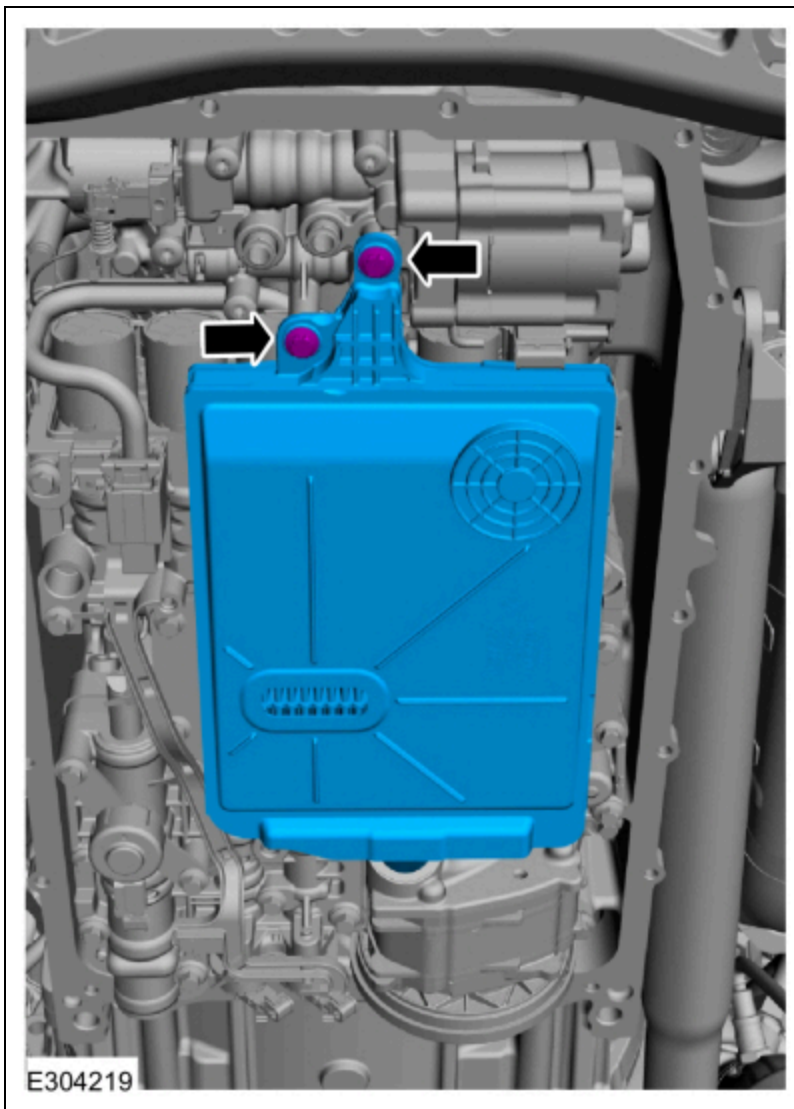
Inspect the hybrid drive unit feed tube seals.



14. **NOTE:** *The transmission fluid filter may be reused if no excessive contamination is indicated.*

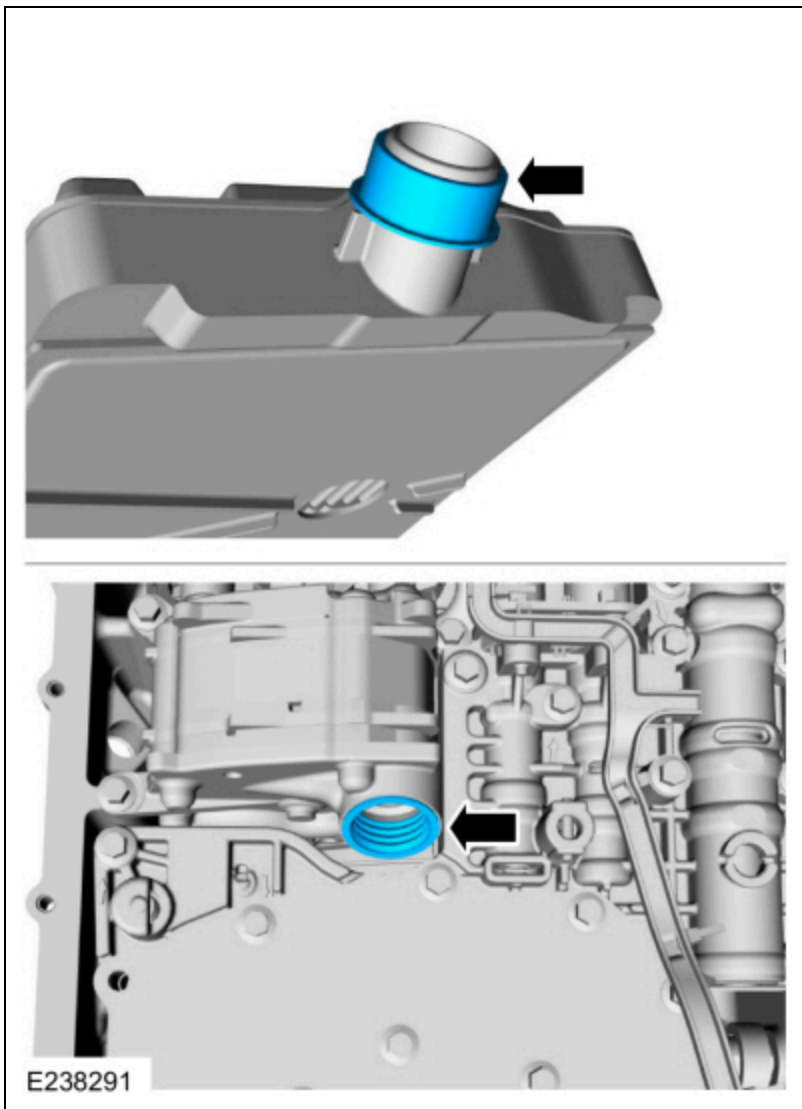
NOTE: *Use a 10ep Torx Plus® socket to remove the bolts.*

Remove the bolts and the transmission fluid filter.



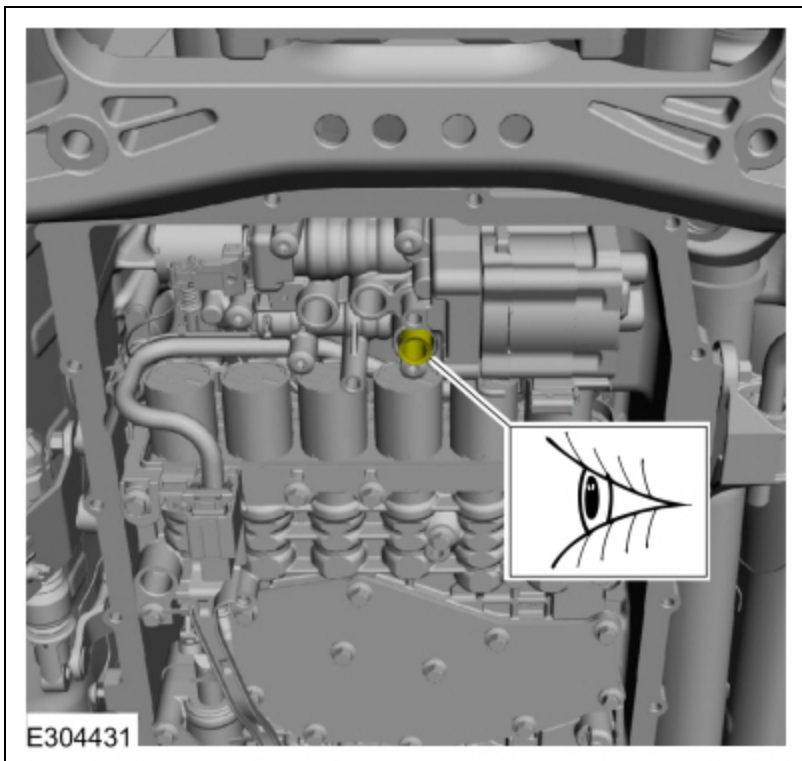
15. **NOTE:** *The transmission fluid filter seal will either come off with the transmission fluid filter or it will be stuck in the pump.*

Remove the transmission fluid filter seal.

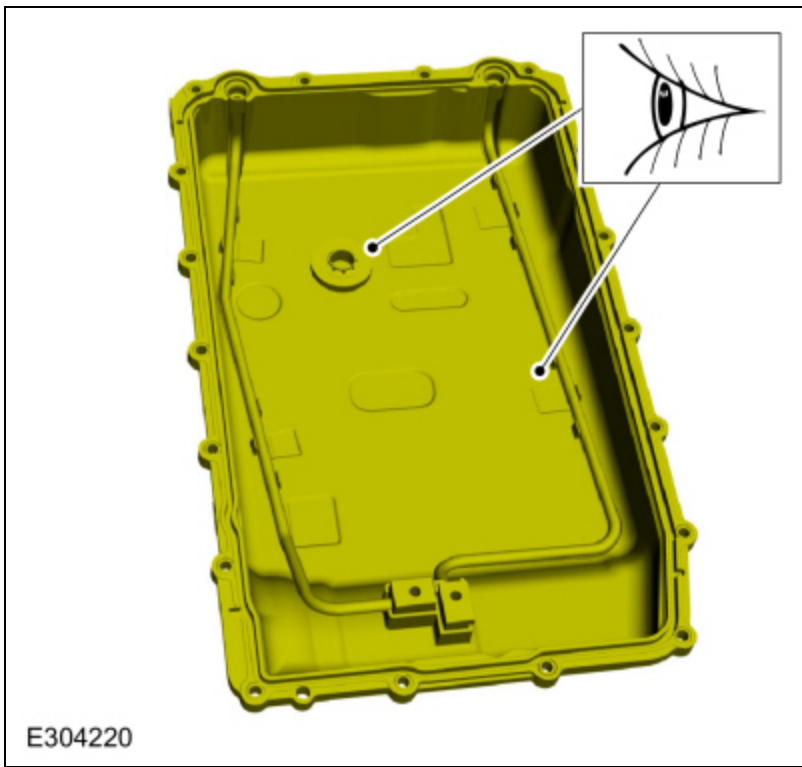


16. **NOTE:** *The transmission fluid auxiliary pump seal can be reused if not damaged.*

Inspect the transmission fluid auxiliary pump seal.



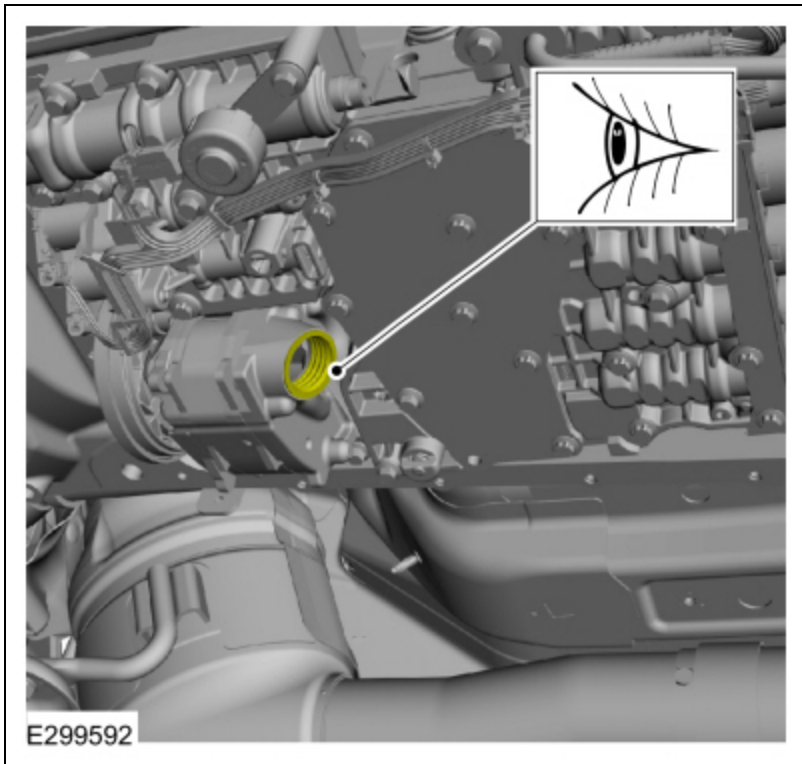
17. Clean and inspect the transmission fluid pan and magnet.



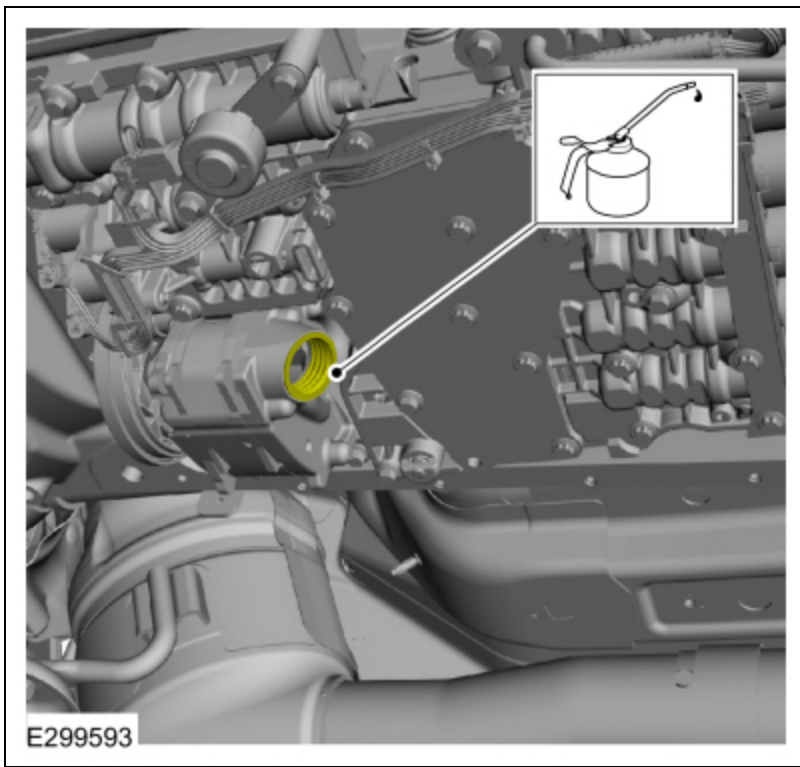
Installation

- 1. **NOTE:** *If the transmission is being repaired for a contamination-related failure, install a new transmission fluid filter and seal assembly. The transmission fluid filter may be reused if no excessive contamination is indicated.*

Inspect the transmission fluid filter seal. If necessary, replace the transmission fluid filter seal.

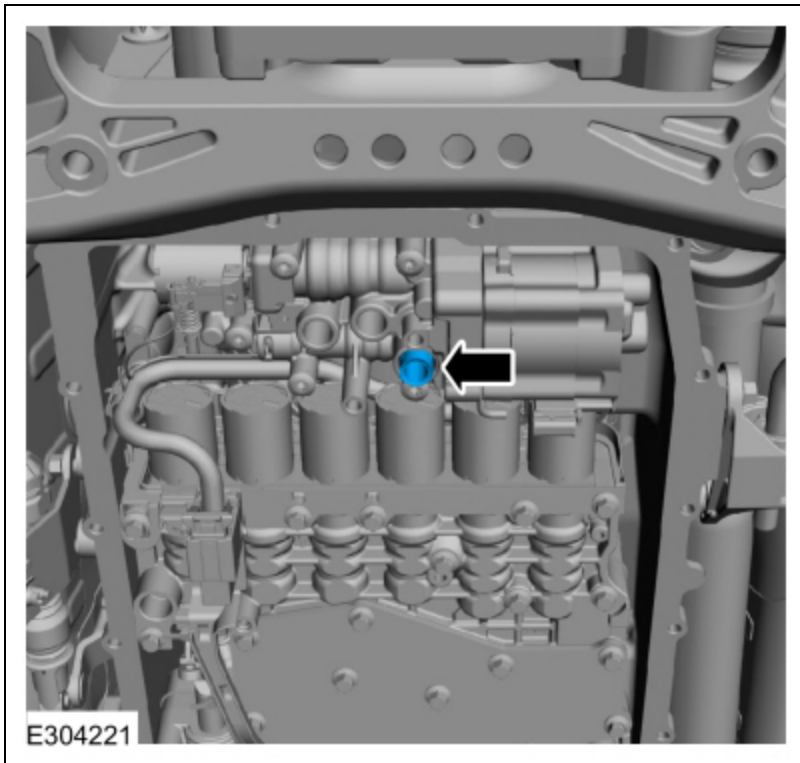


- 2. Lubricate the transmission fluid filter seal with automatic transmission fluid.
Refer to: [Specifications](#) (307-01B Automatic Transmission - 10-Speed Automatic Transmission – 10R80 MHT, Specifications).



3. **NOTE:** *The transmission fluid auxiliary pump seal can be reused if not damaged.*

Install a new transmission fluid auxiliary pump seal if required.



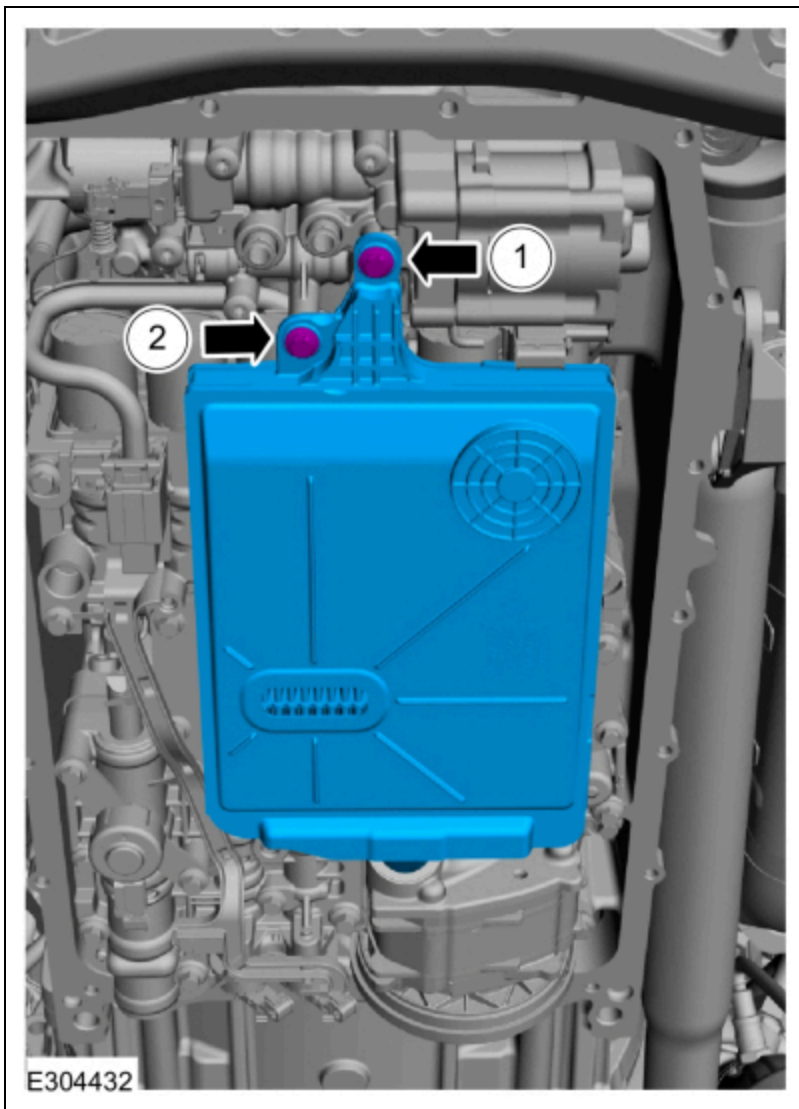
4. **NOTICE:** *If the bolts are installed in the wrong locations, transmission damage will occur.*

NOTE: *The transmission fluid filter may be reused if no excessive contamination is indicated.*

NOTE: *Use a 10ep Torx Plus® socket to remove the bolts.*

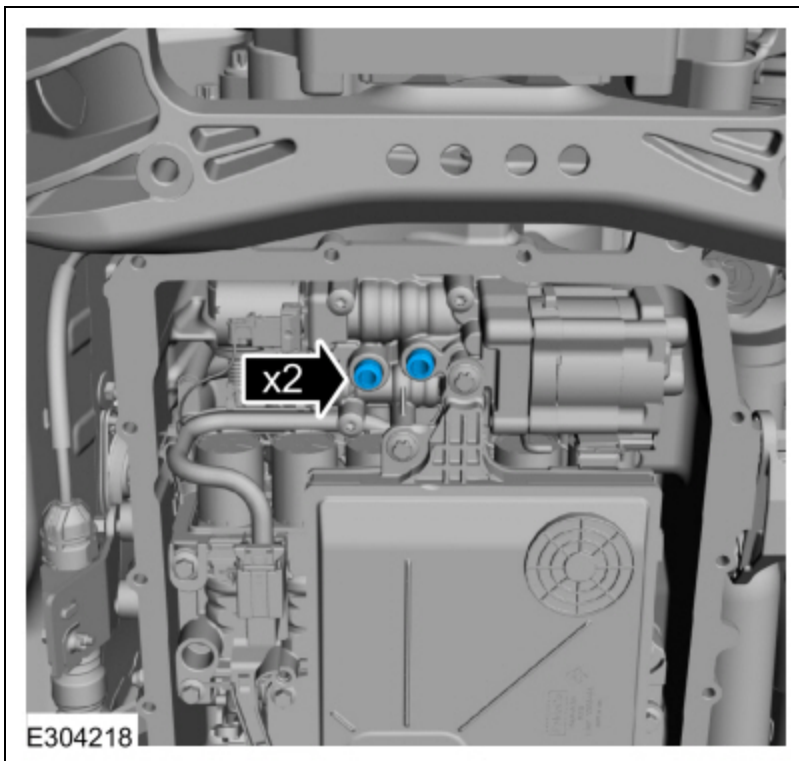
Install the filter and the bolts in the correct locations.

1. 73 mm bolt
2. 25 mm bolt
- *Torque:* 97 lb.in (11 Nm)



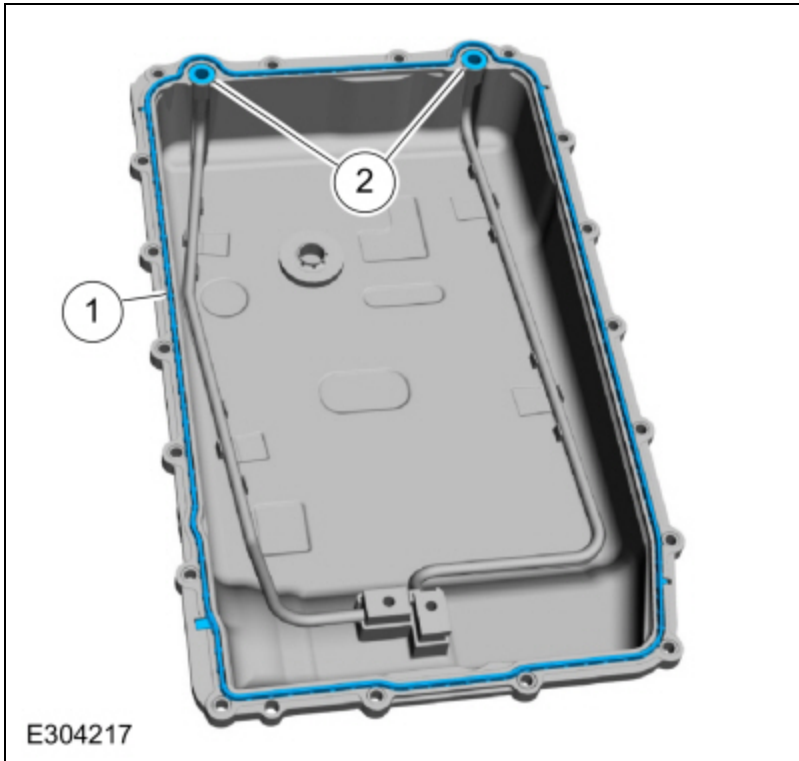
5. **NOTE:** *The hybrid drive unit feed tube seals can be reused if not damaged.*

Install new hybrid drive unit feed tube seals if required.



6. **NOTE:** The transmission fluid pan gasket and the transmission fluid pan to transmission case seals can be reused if not damaged.

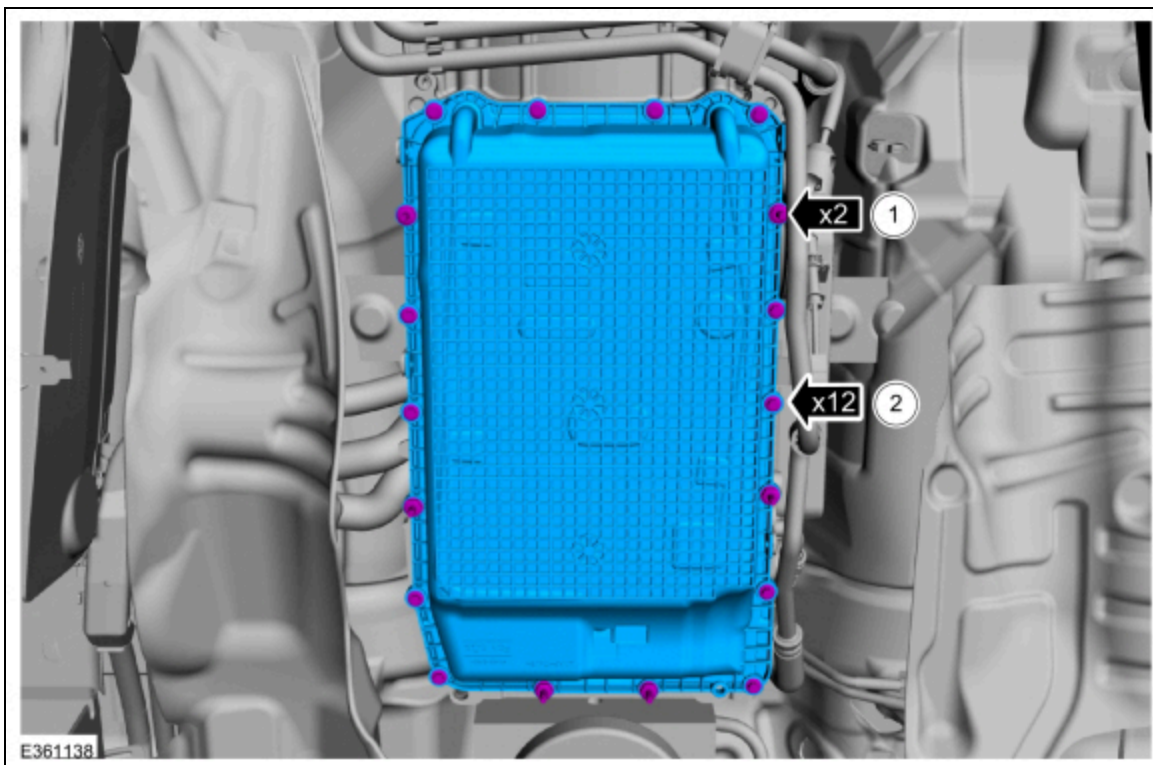
1. Install a new transmission fluid pan gasket if required.
2. Install new transmission fluid pan to transmission case seals if required.



7. **NOTE:** Install the bolts and studbolts in the correct locations noted during removal.

Install the transmission fluid pan and loosely install the bolts and studbolts.

1. Tighten the studbolts in a crisscross pattern.
Torque: 106 lb.in (12 Nm)
2. Tighten the bolts in a crisscross pattern.
Torque: 89 lb.in (10 Nm)

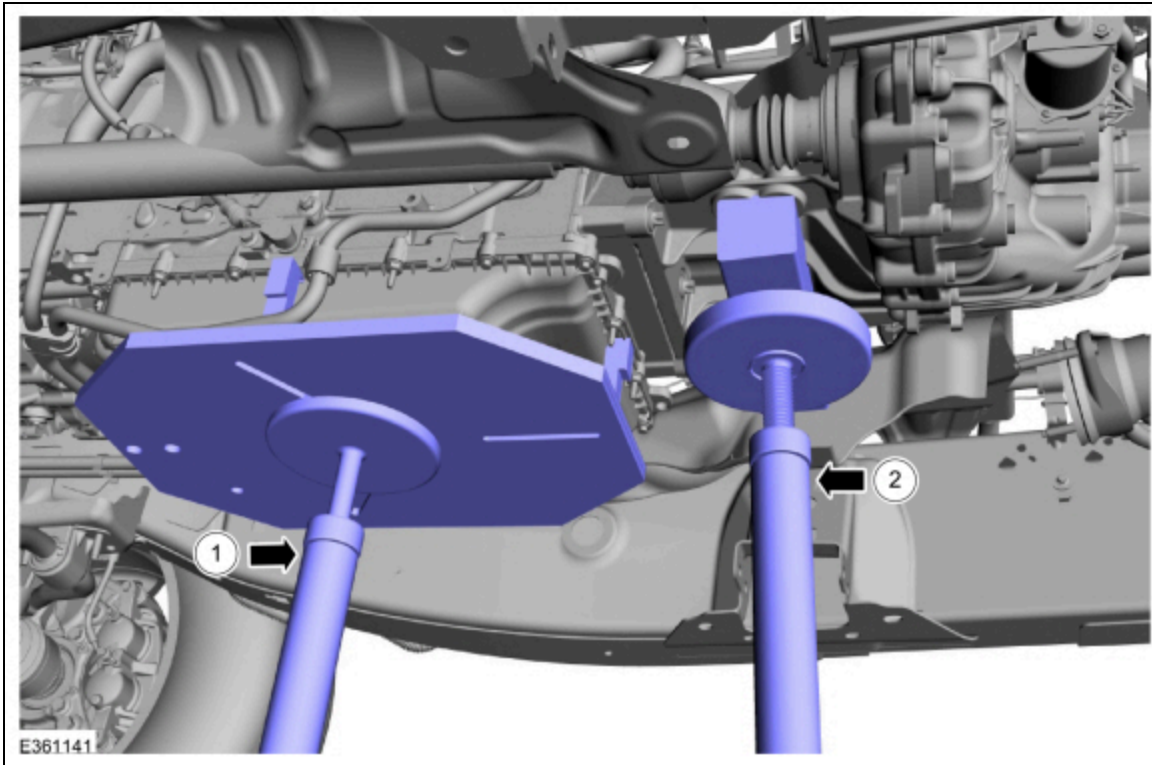


LHD 4WD

8. 1. **NOTE:** Make sure the transmission jack makes contact on the outer ribs of the transmission fluid pan.

Install the high-lift transmission jack.

2. Remove the adjustable stand from the transfer case.

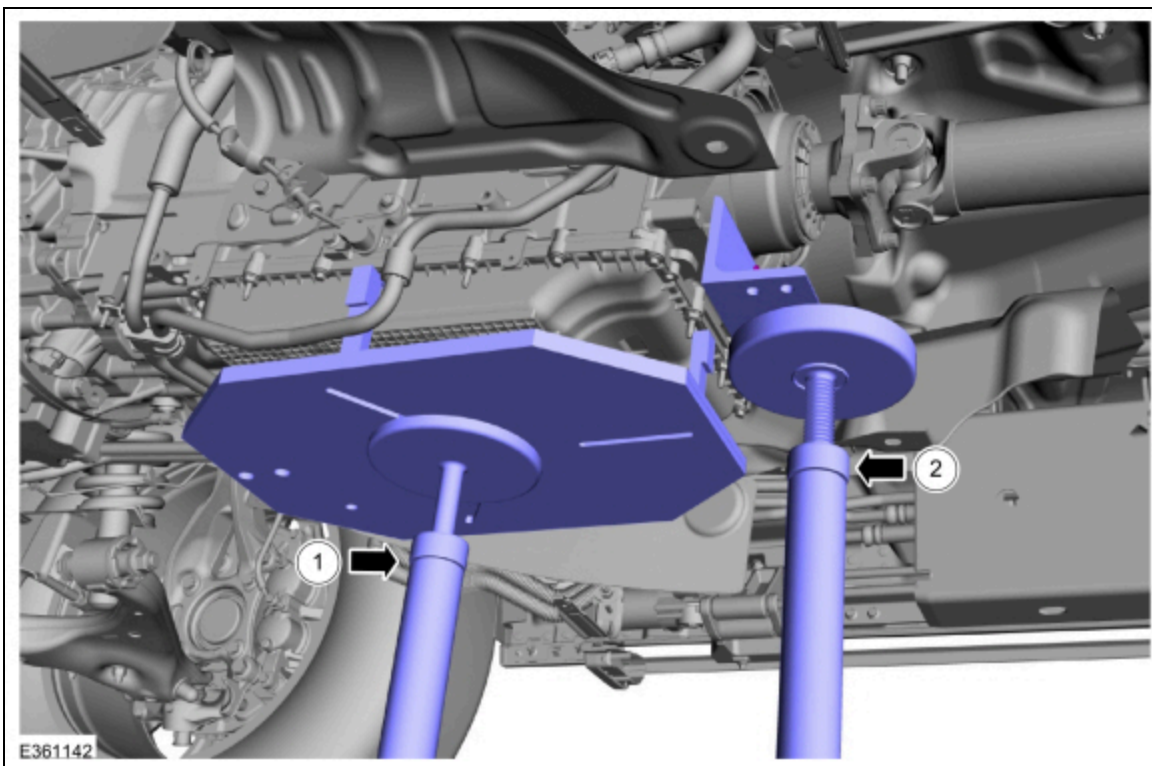


LHD RWD

9. 1. **NOTE:** Make sure the transmission jack makes contact on the outer ribs of the transmission fluid pan.

Install the high-lift transmission jack.

2. Remove the adjustable stand from the transfer case.

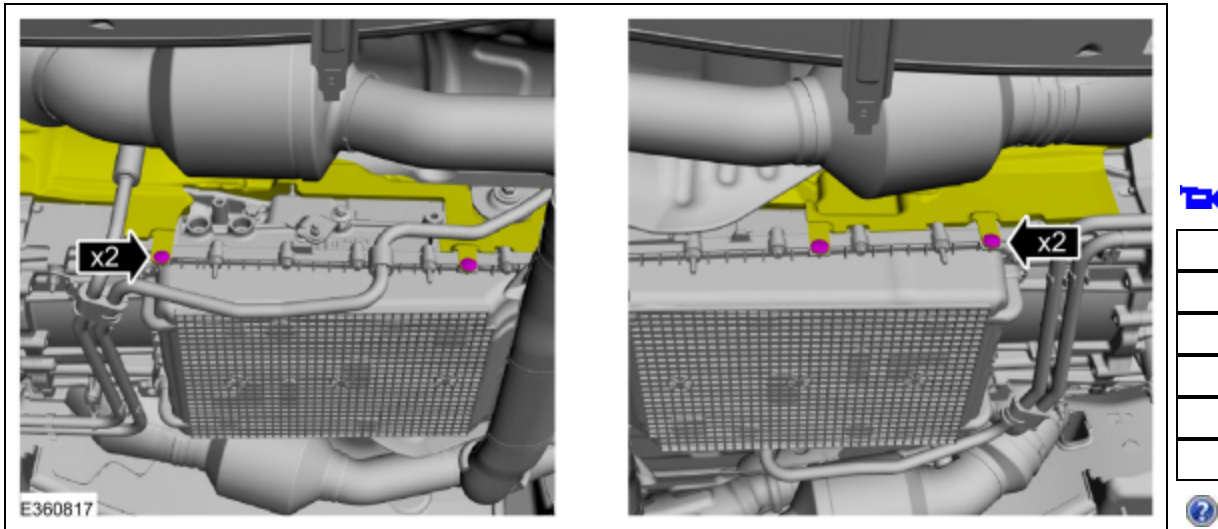


All vehicles

10. Install the RH catalytic converter.

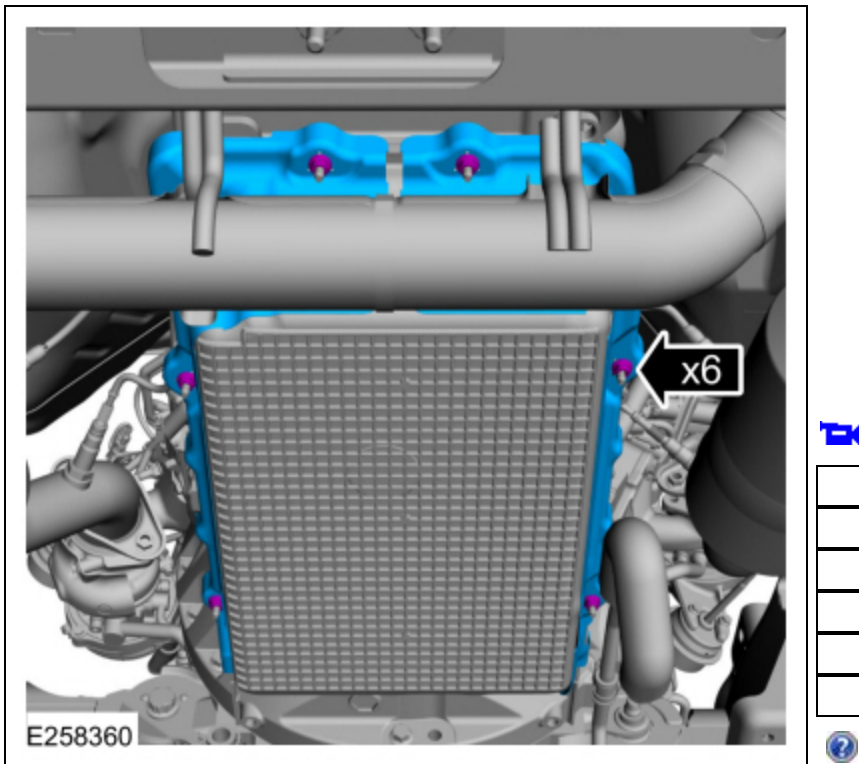
Refer to: [Catalytic Converter RH](#) (309-00D Exhaust System - 3.5L V6 PowerBoost (CN), Removal and Installation).

11. Install the NVH cover retainers.

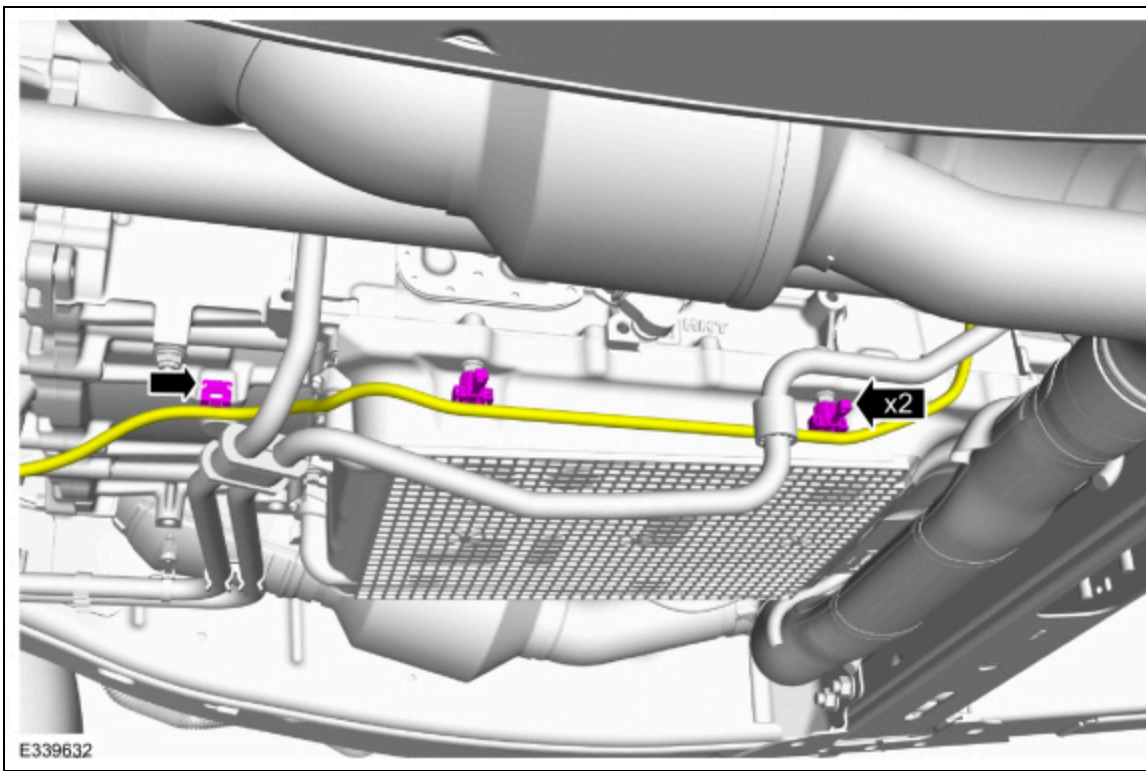


12. Install the heatshields and retainers.

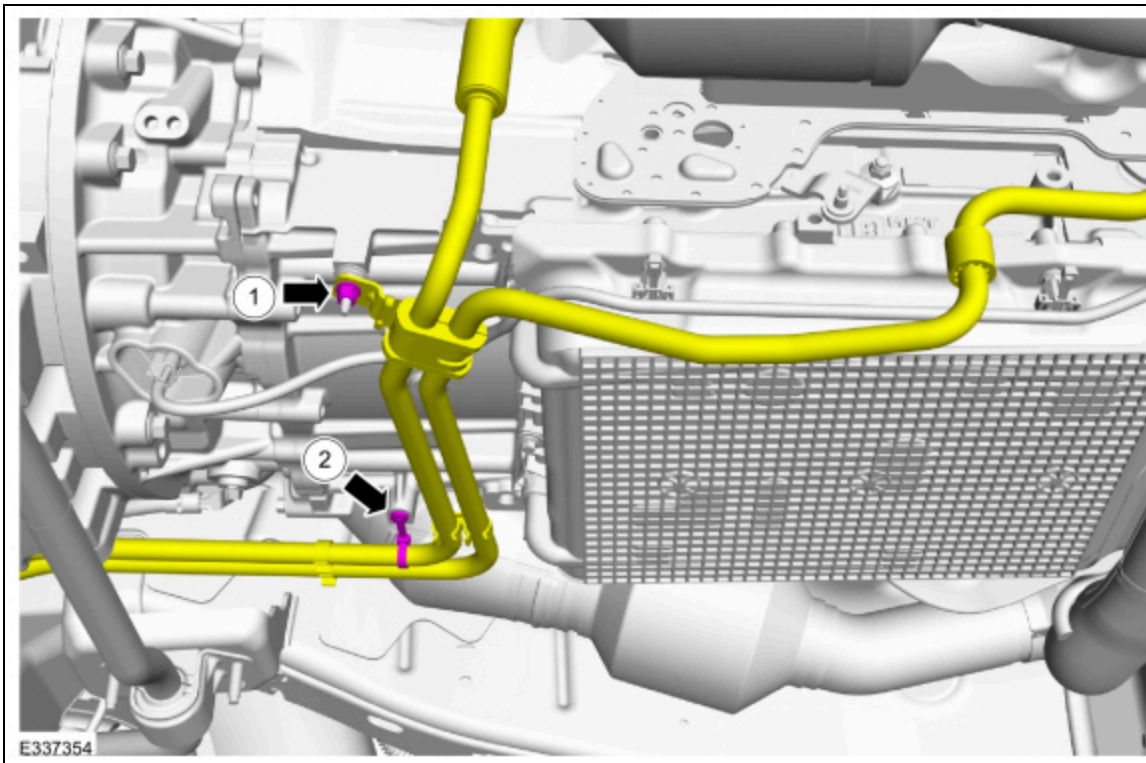
Torque: 80 lb.in (9 Nm)



13. Connect the engine clutch pressure sensor wiring harness retainers to the transmission.



14.
 1. Install the coolant tube hanger nut on to the stud bolt.
Torque: 124 lb.in (14 Nm)
 2. Connect the pin-type retainer.



15. Fill and check the transmission fluid.
Refer to: [Transmission Fluid Drain and Refill](#) (307-01B Automatic Transmission - 10-Speed Automatic Transmission – 10R80 MHT, General Procedures).
16. If equipped, install the shield and retainers.
Torque: 71 lb.in (8 Nm)

