

Installation

Special Tool(s) / General Equipment

 E6278	303-1196 Holding Wrench, Pulley
Floor Crane	
Ford Diagnostic Equipment	
Hose Clamp Remover/Installer	
Lifting Bracket	
Mounting Table Set	
Retaining Strap	
Wooden Block	

Materials

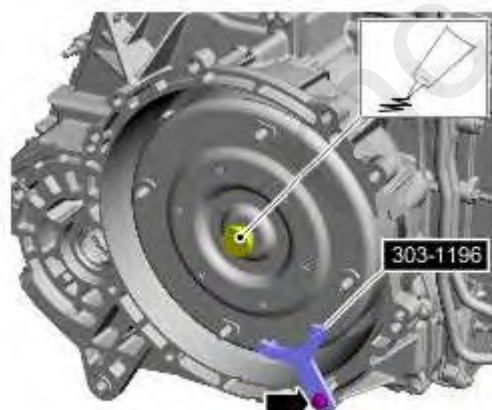
Name	Specification
Grease - High Temperature	WSS-M1C273-A

6-Speed Automatic Transmission - 6F55

-  **NOTICE:** Make sure that the torque converter remains in the transmission.
Apply a thin coating.

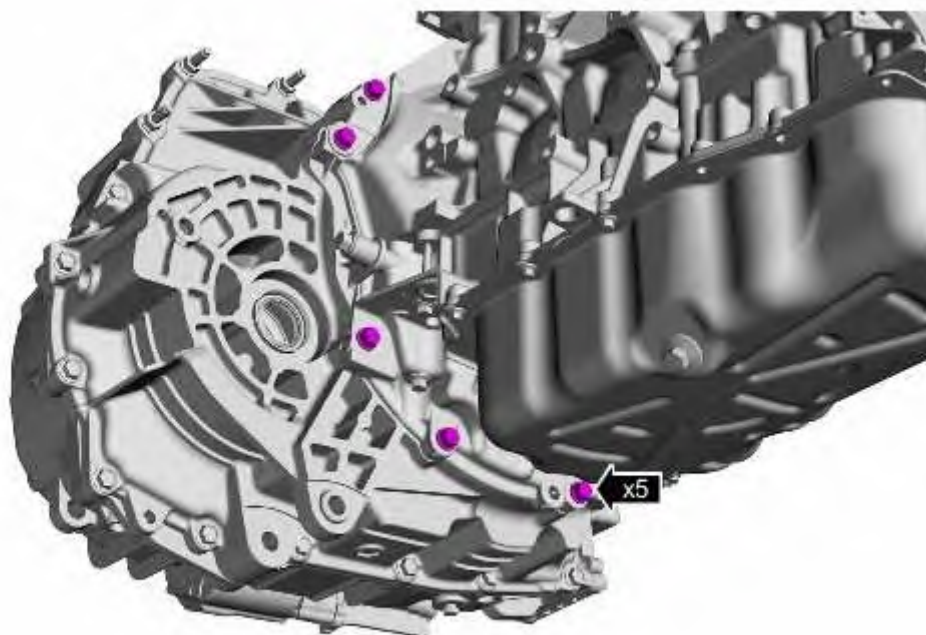
Remove Suggested Tool: 303-1196.

Material: WSS-M1C273-A (Grease - High Temperature)



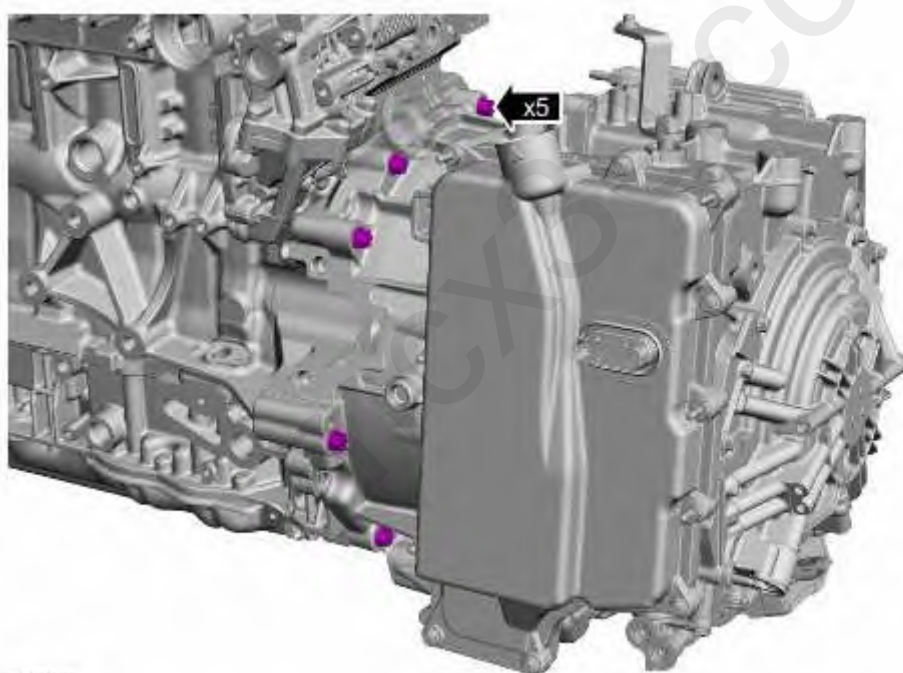
E243307

-  **NOTICE:** Make sure that the locating dowels remain installed.



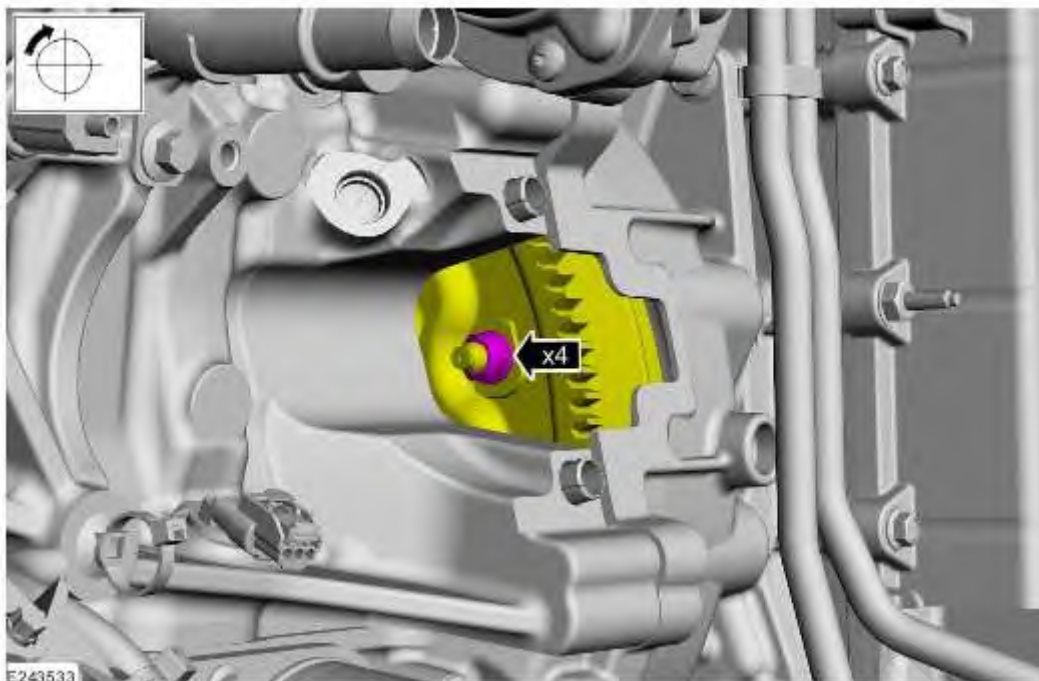
E249537

5. Torque: 48 Nm

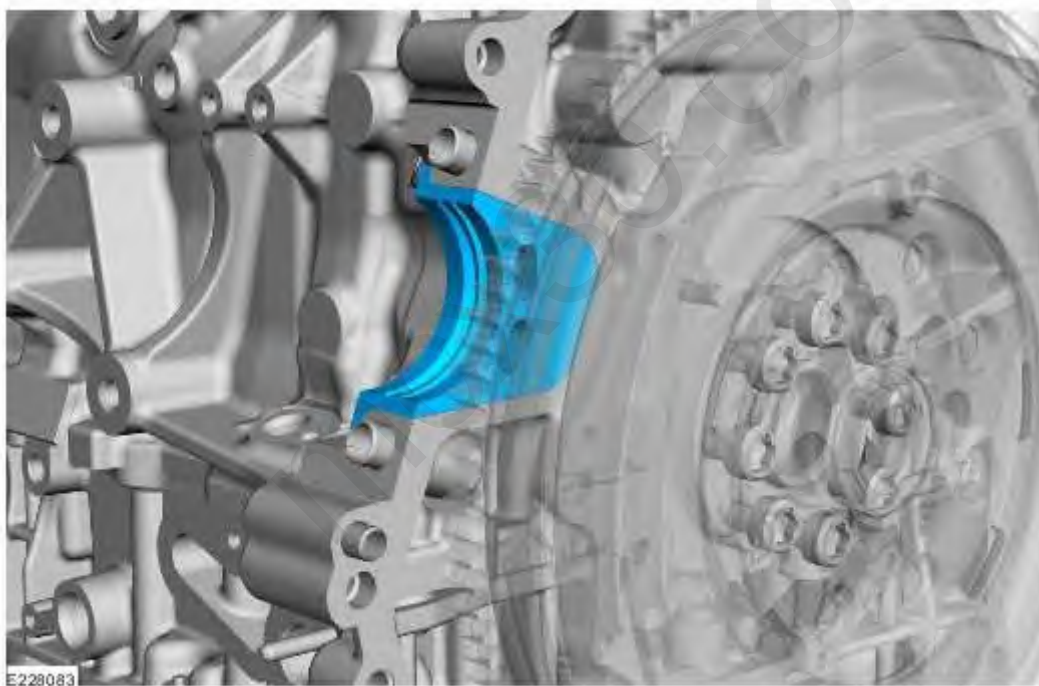


E249538

6.  NOTICE: Only rotate the crankshaft clockwise.
Torque: 48 Nm

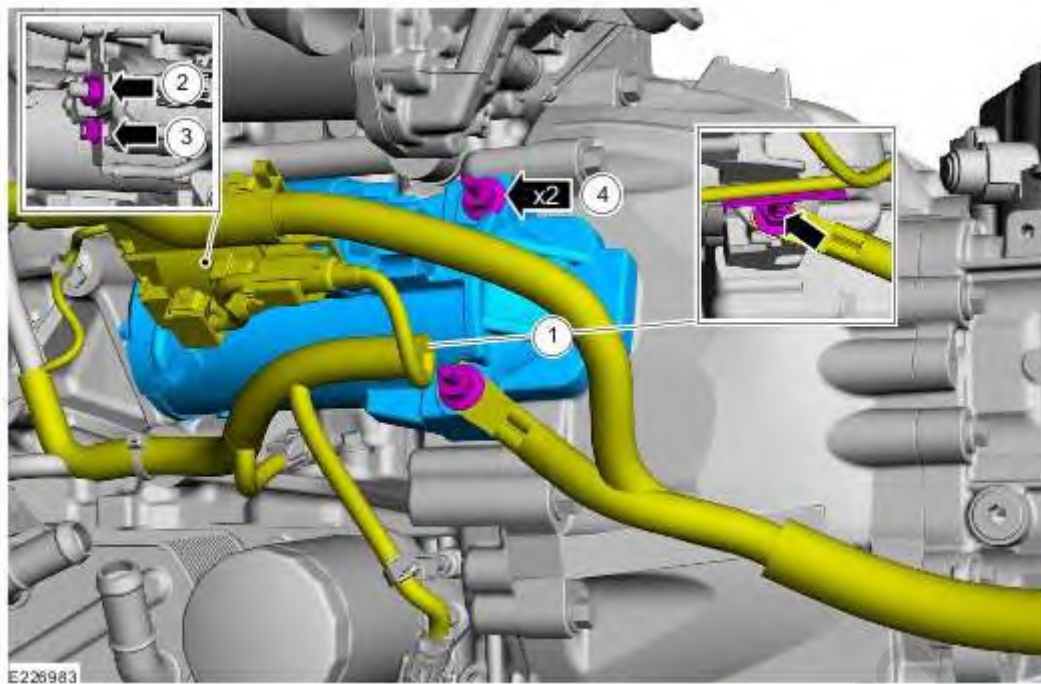


7.



All vehicles

8. Torque:
- 2: 12 Nm
 - 3: 8 Nm
 - 4: 35 Nm



9. Install the General Equipments: [Mounting Table Set](#), [Wooden Block](#), [Retaining Strap](#)

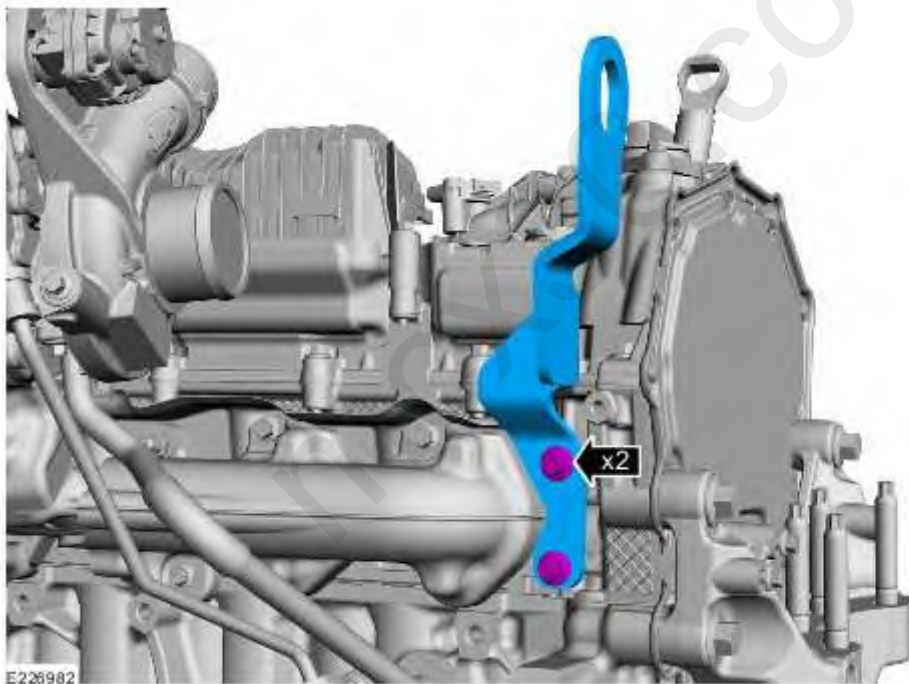


10. Remove the General Equipments: [Floor Crane](#), [Lifting Bracket](#)



E188536

11.



E226982

12. **NOTE:** Make sure that no components catch.

Refer to: [Jacking and Lifting](#) (100-02 Jacking and Lifting, Description and Operation).

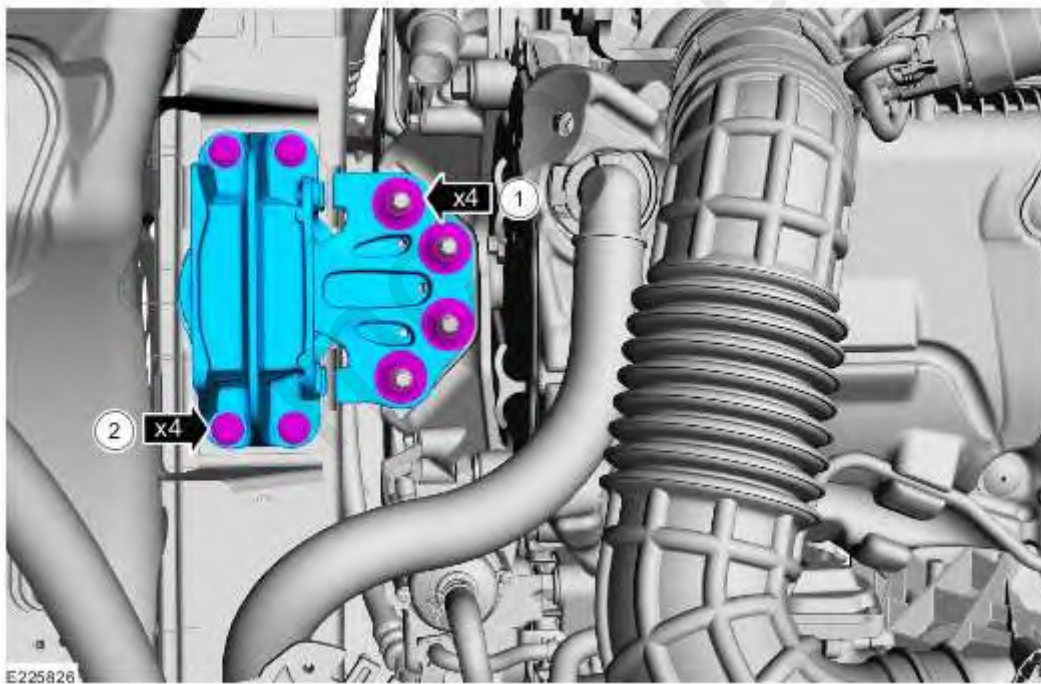


E189546

13. Torque:

1: 115 Nm

2: 70 Nm



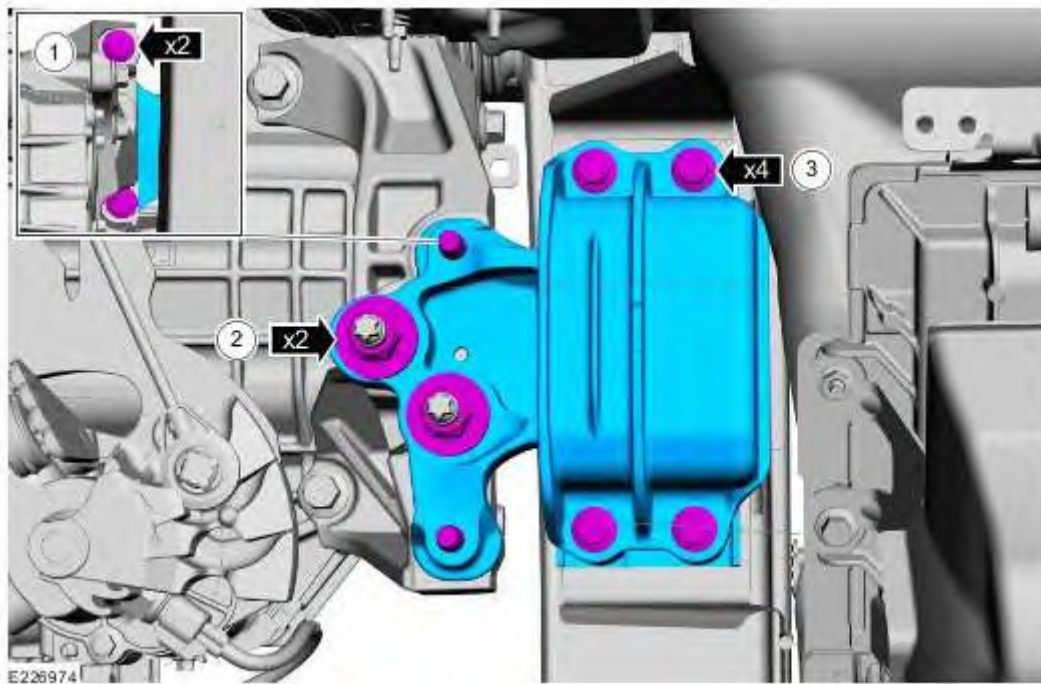
E225826

14. Torque:

1: 70 Nm

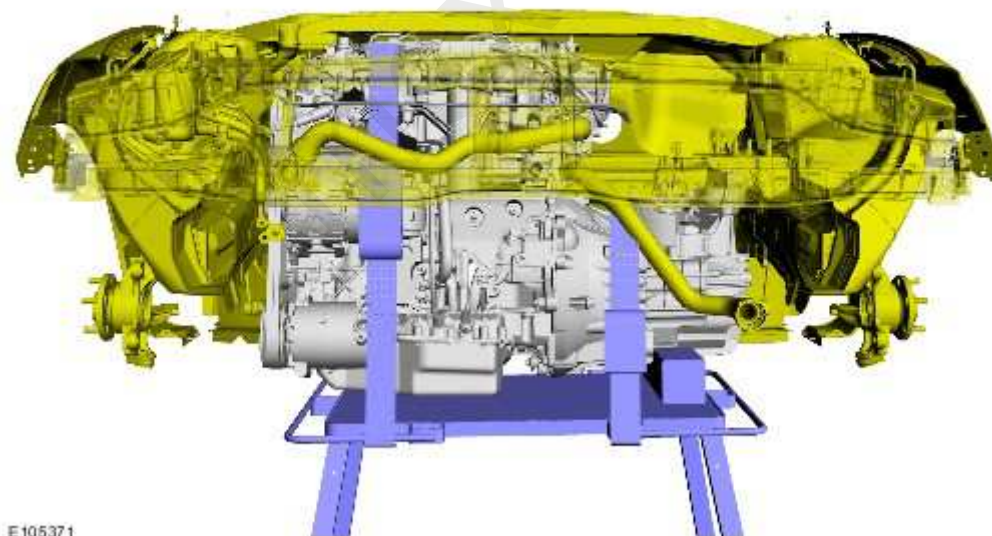
2: 133 Nm

3: 70 Nm



15.  **WARNING:** Always secure engines, transmissions, or other heavy components to the support fixture with straps and wooden support blocks. Improperly secured assemblies could fall off the fixture, resulting in serious personal injury.

Remove the General Equipments: [Retaining Strap](#), [Wooden Block](#), [Mounting Table Set](#)



6-Speed Automatic Transmission - 6F55

16. *Torque:* 175 Nm

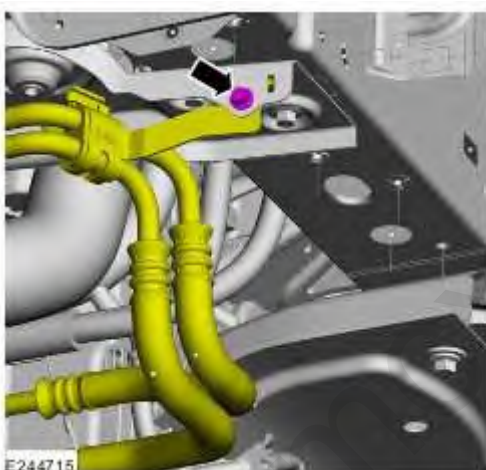


17. Install the following items:

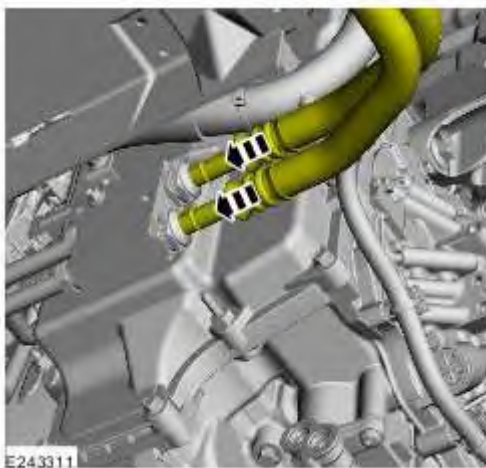
- Refer to: [Front Halfshaft RH - 6-Speed Automatic Transmission - 6F55](#) (205-04 Front Drive Halfshafts, Removal and Installation).

18. Refer to: [Front Halfshaft LH - Attach to the transmission - 6-Speed Automatic Transmission - 6F55](#) (205-04 Front Drive Halfshafts, Removal and Installation).

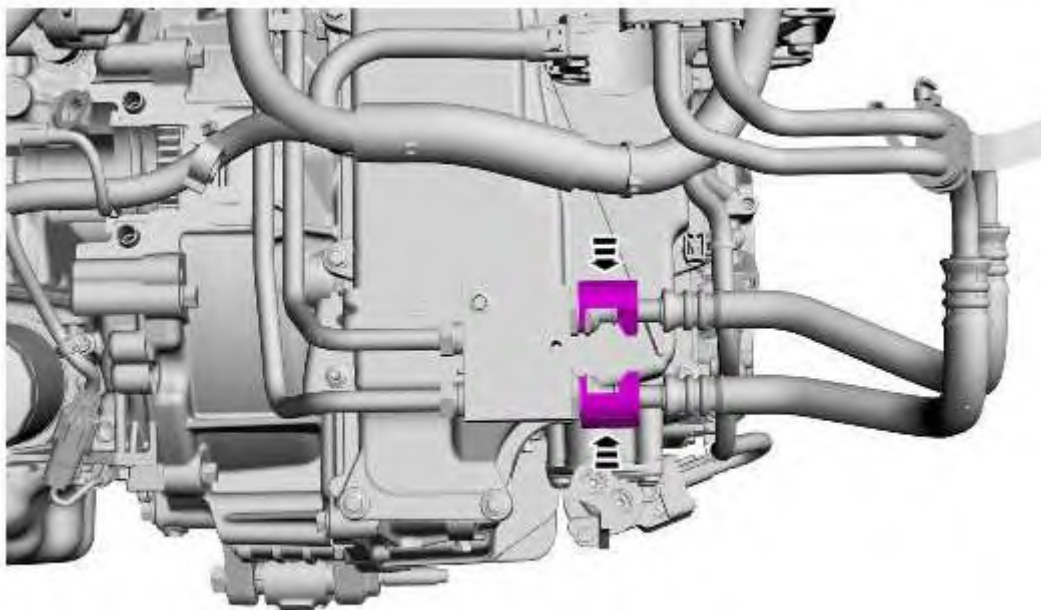
19. *Torque:* 11 Nm



20. **NOTE:** Make sure that new components are installed.

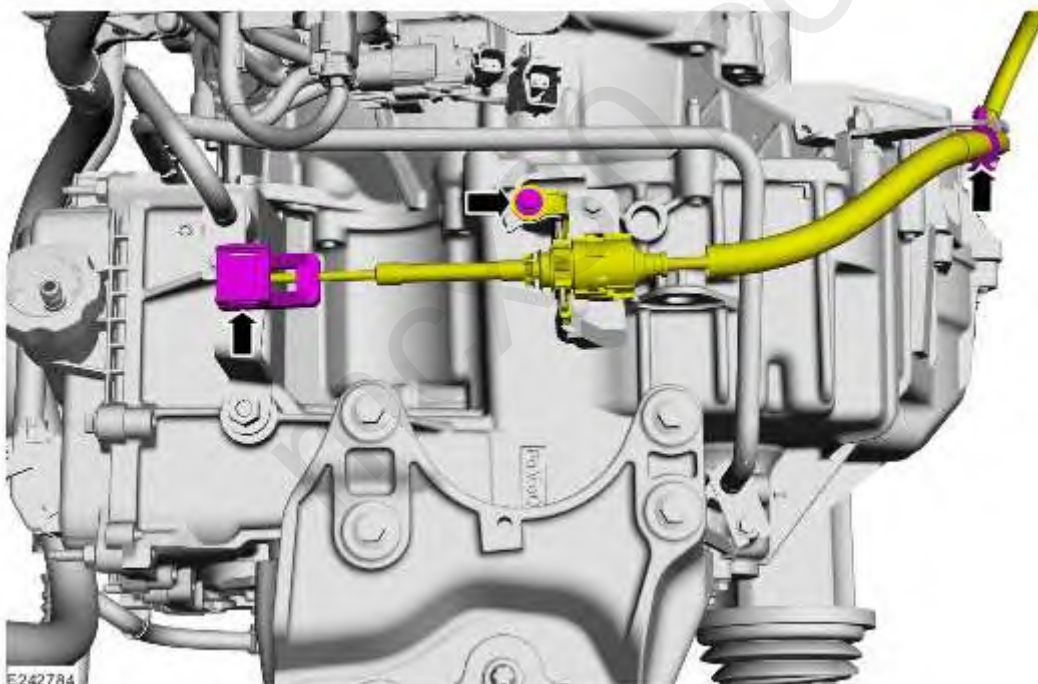


21.



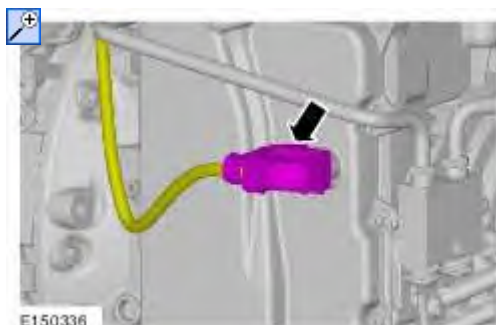
E242781

22. Torque: 8 Nm



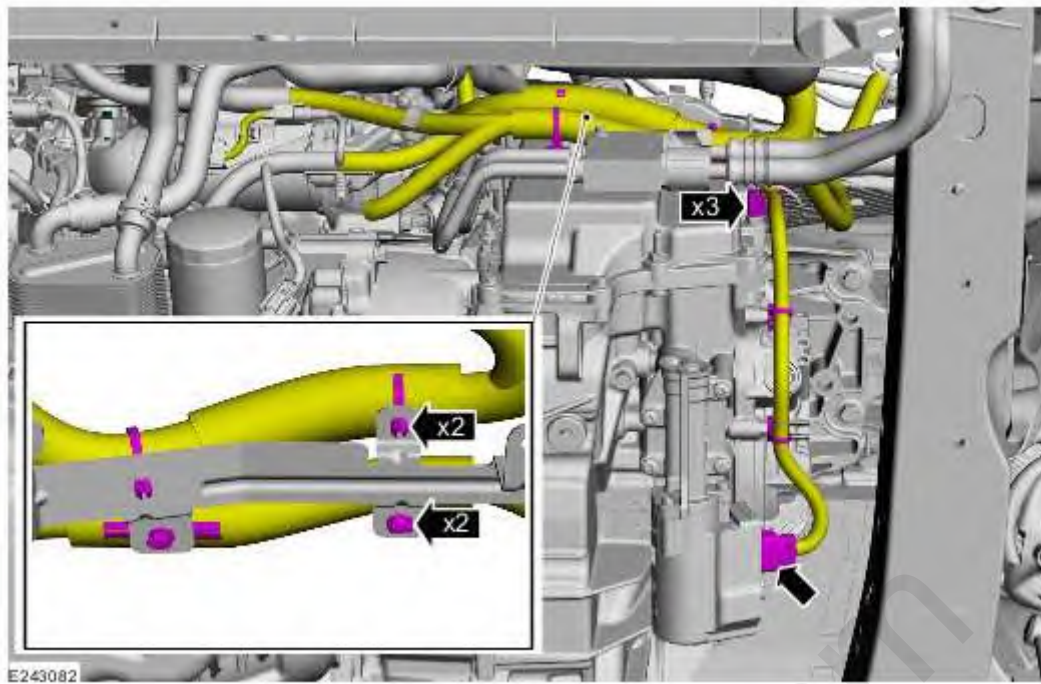
E242784

23. NOTE: Make sure that the component terminals are not bent or damaged.

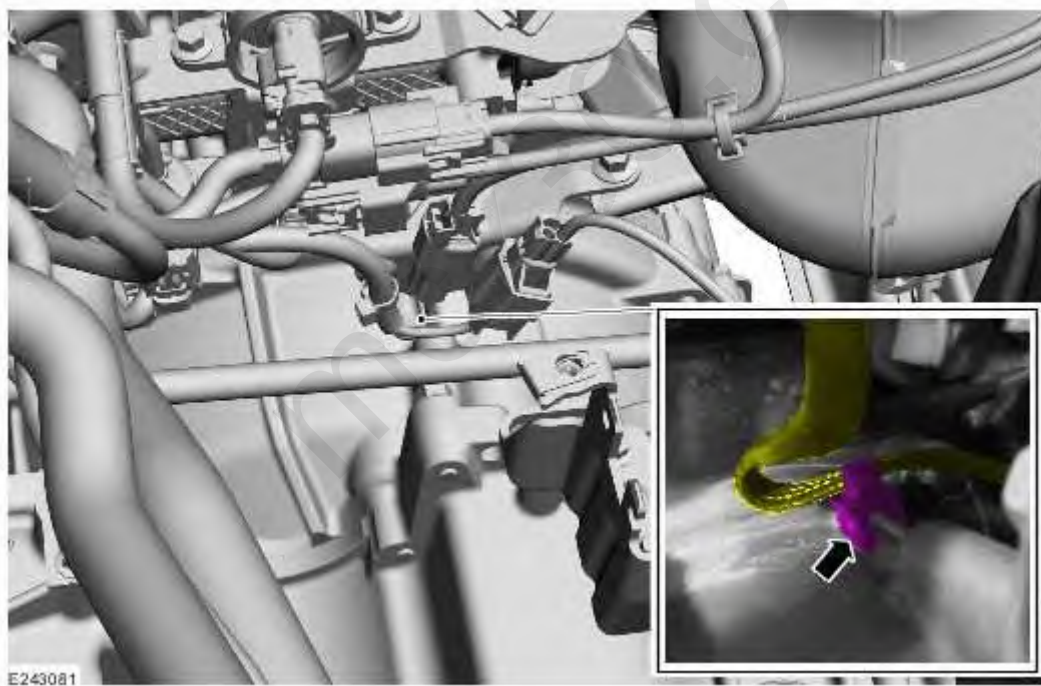


E150336

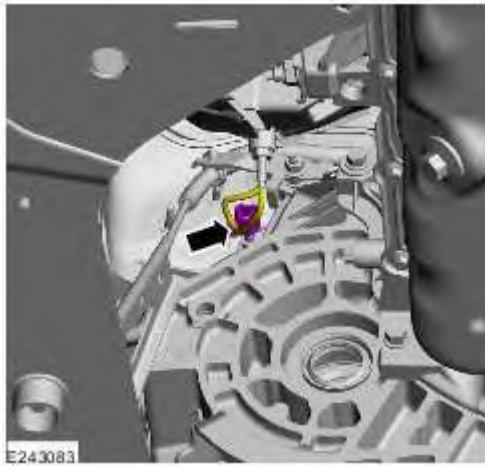
24.



25. If equipped.



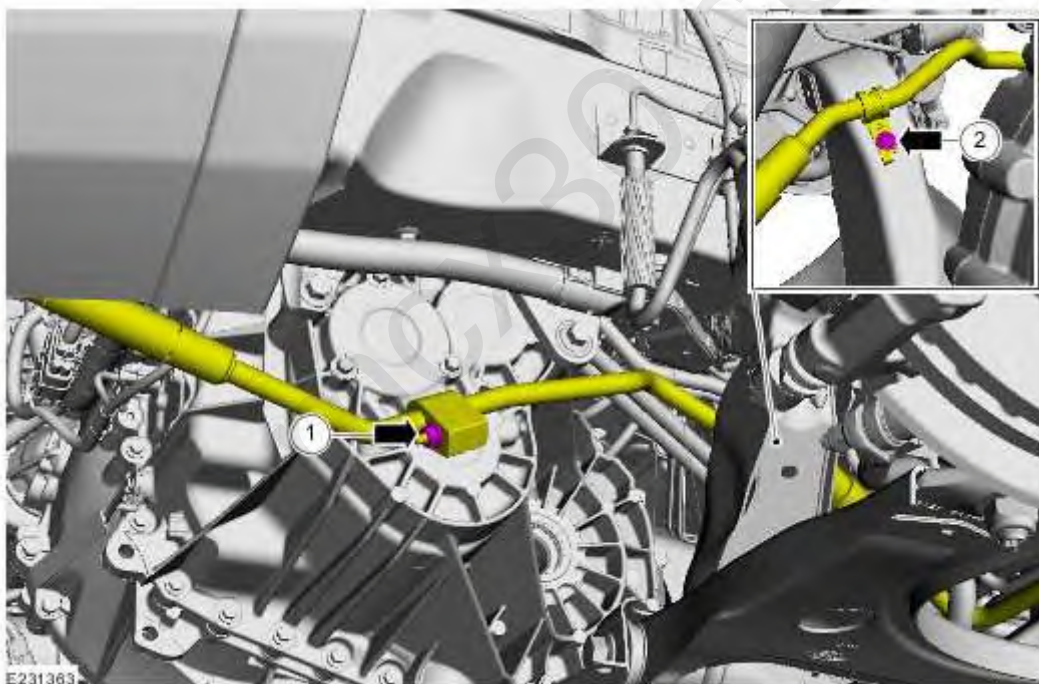
26.



Vehicles With: Rear Climate Control

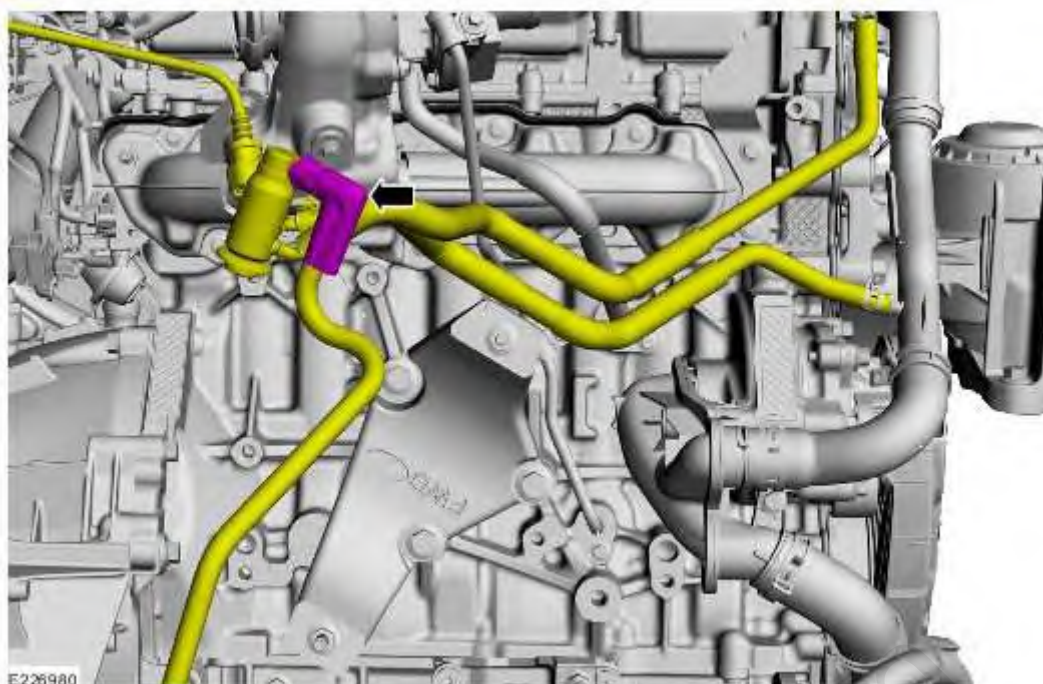
27.

1. Torque: 20 Nm
2. Torque: 15 Nm
3. Refer to: [Air Conditioning \(A/C\) System Recovery, Evacuation and Charging](#) (412-00 Climate Control System - General Information, General Procedures).

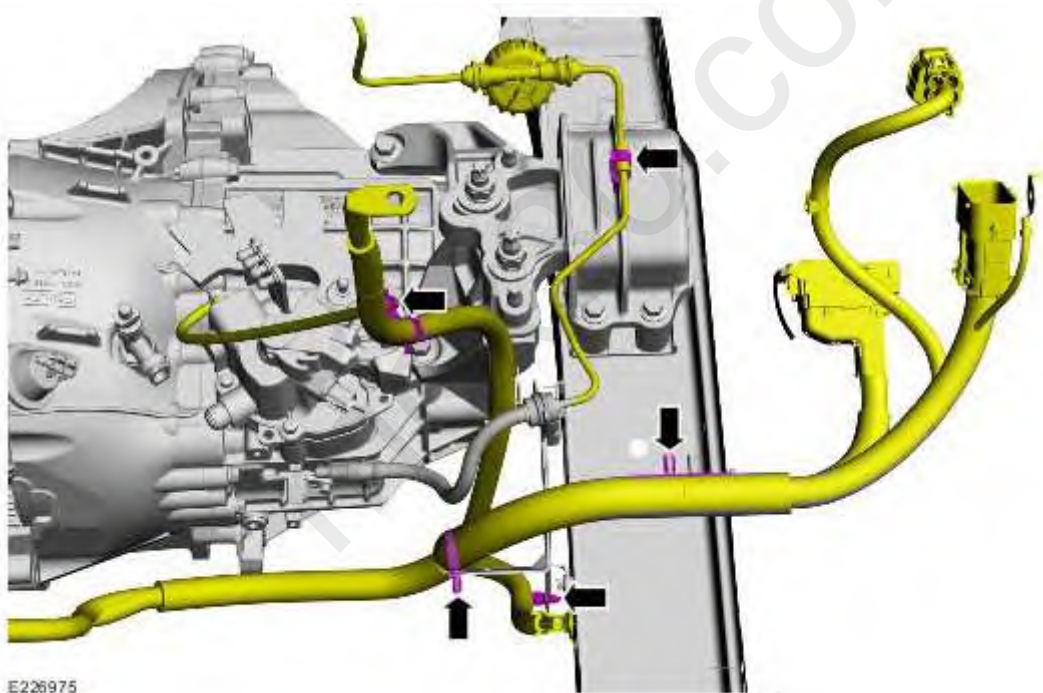


All vehicles

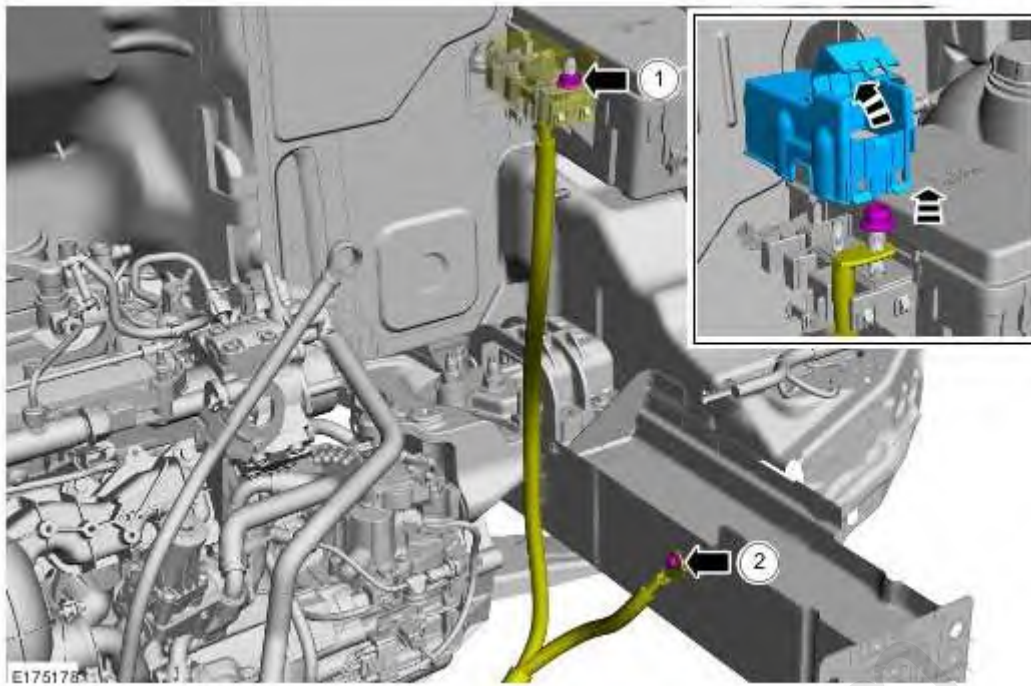
28. Refer to: [Quick Release Coupling](#) (310-00A Fuel System - General Information, General Procedures).



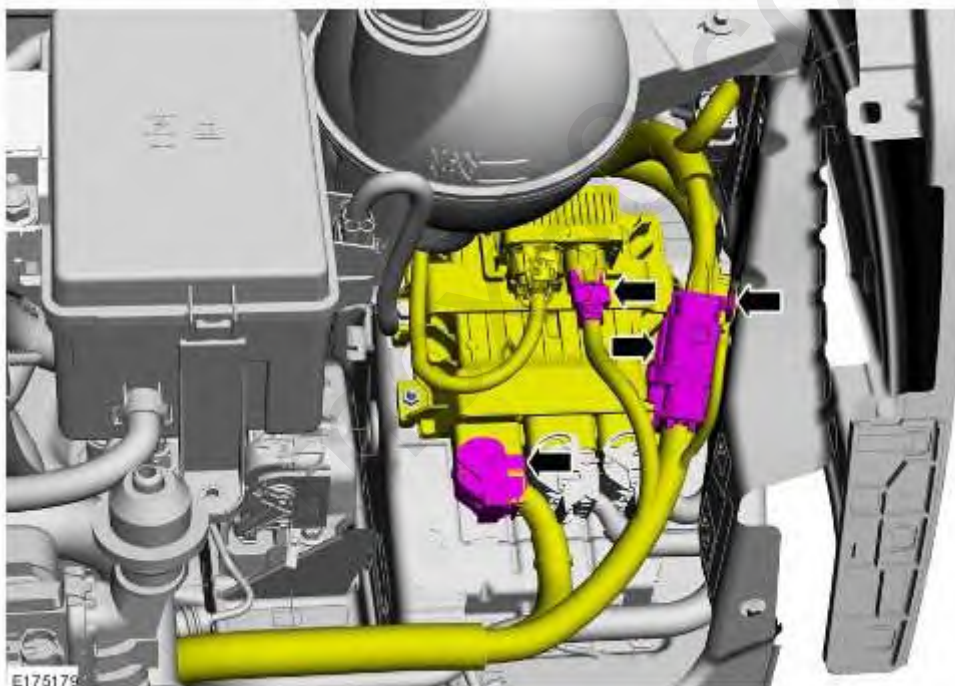
29.



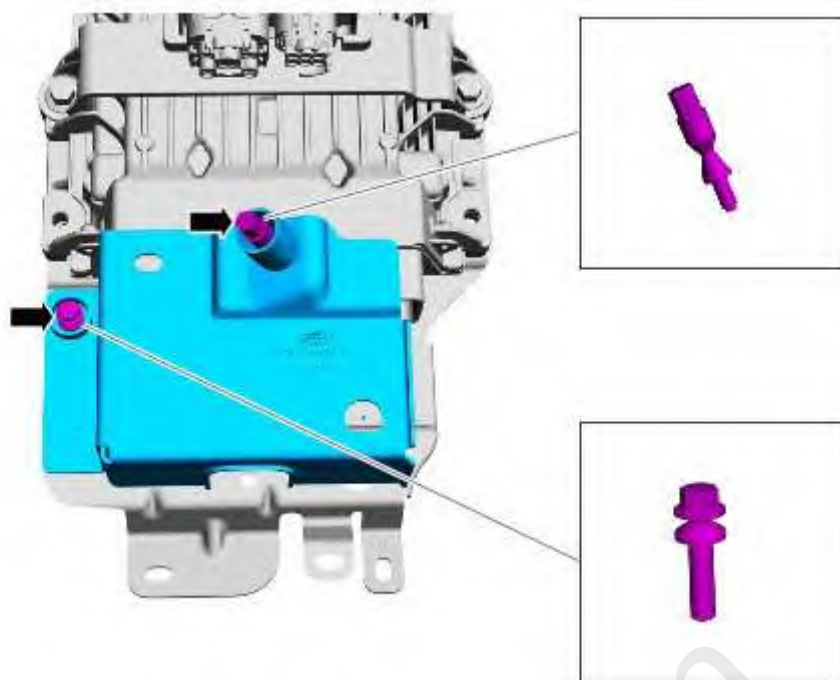
30. Torque:
 1: 10 Nm
 2: 5 Nm



31.

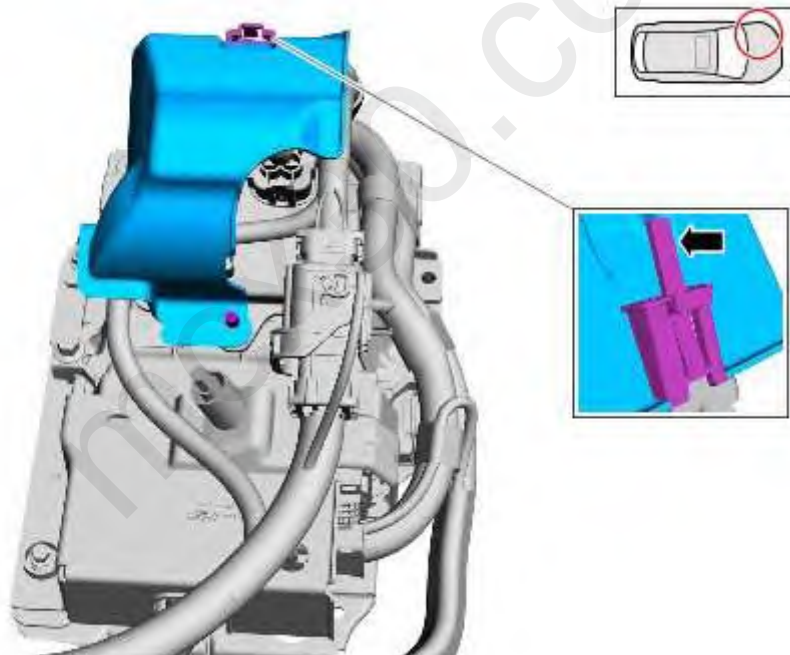


32. Tighten the shear bolt until the head is sheared off.



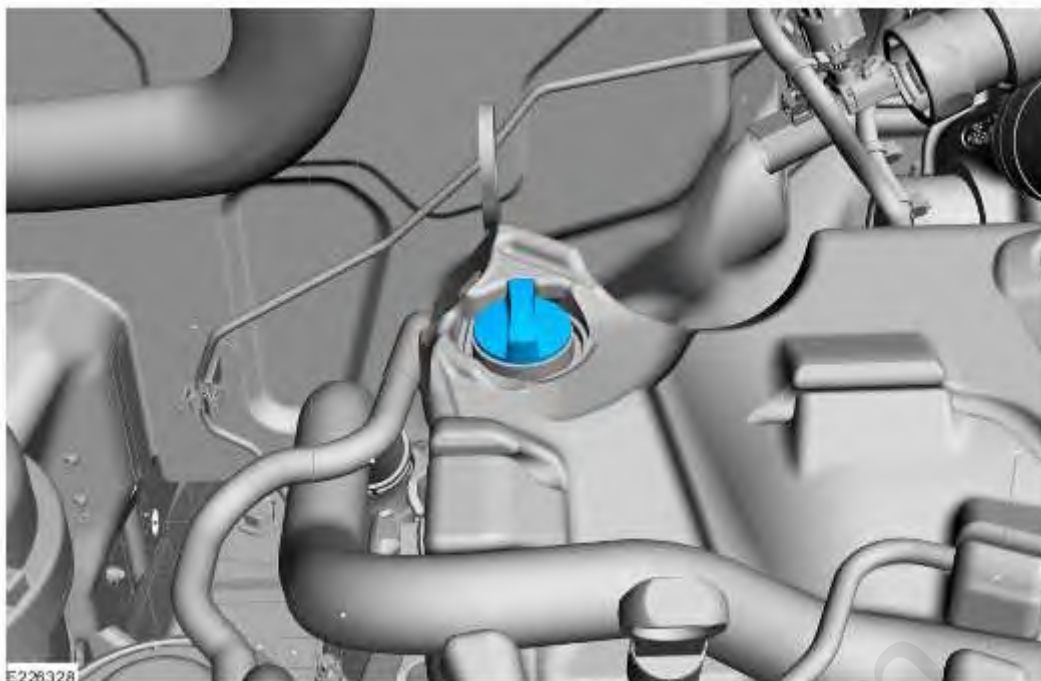
E171101

33.

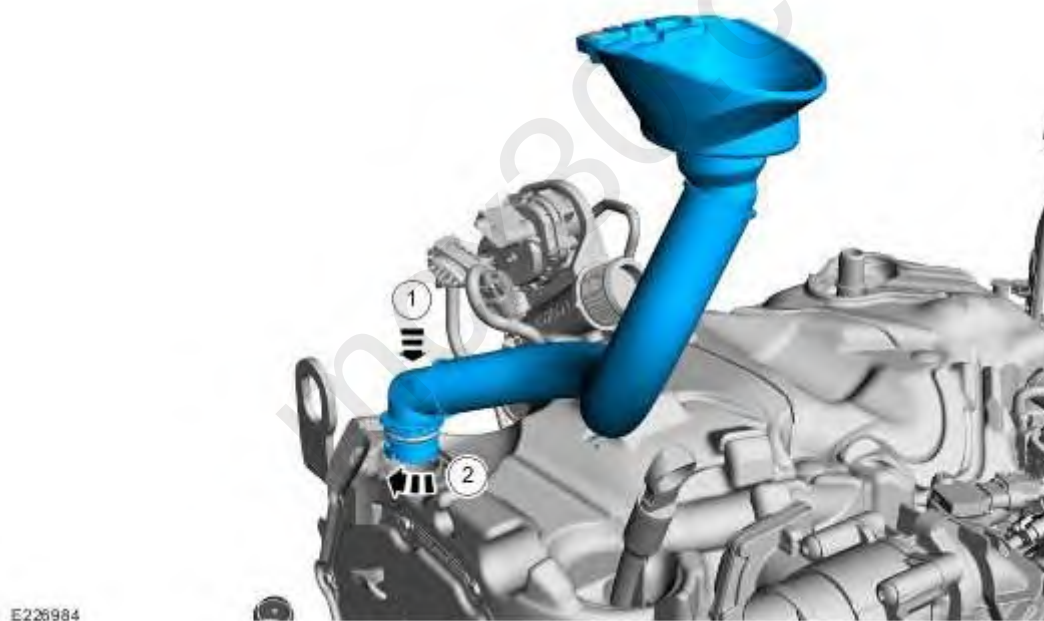


E226988

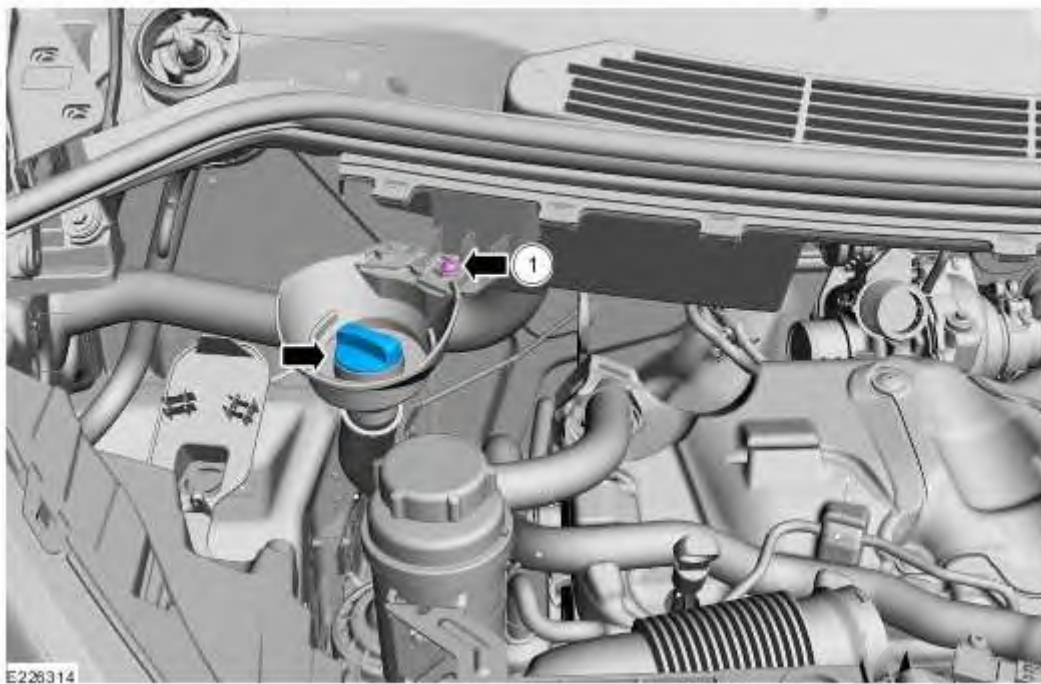
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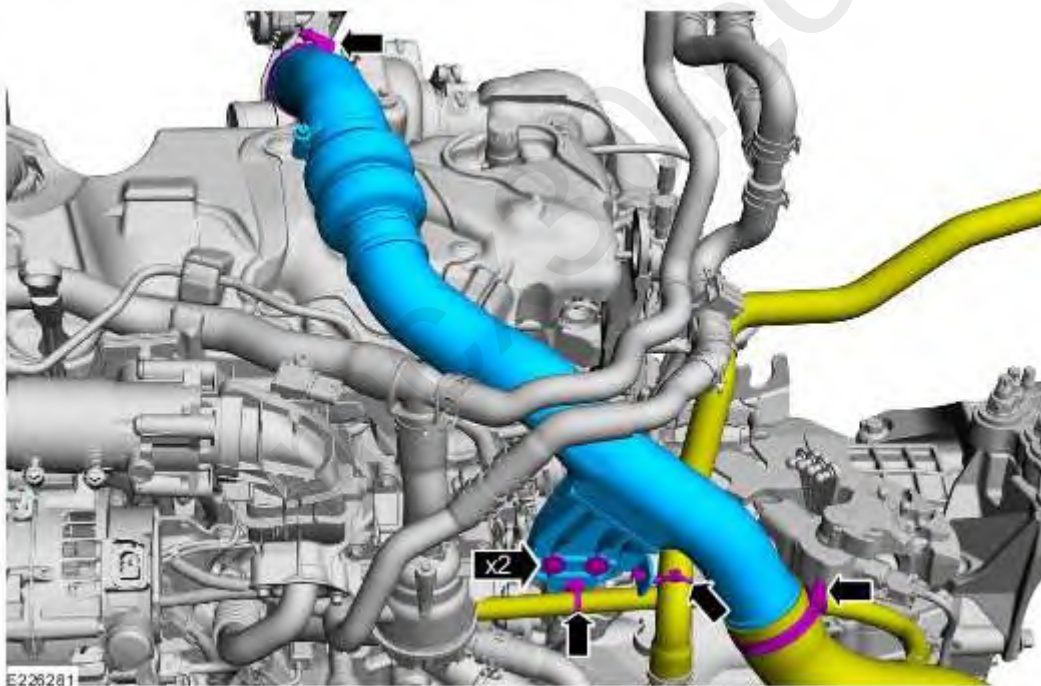
35.



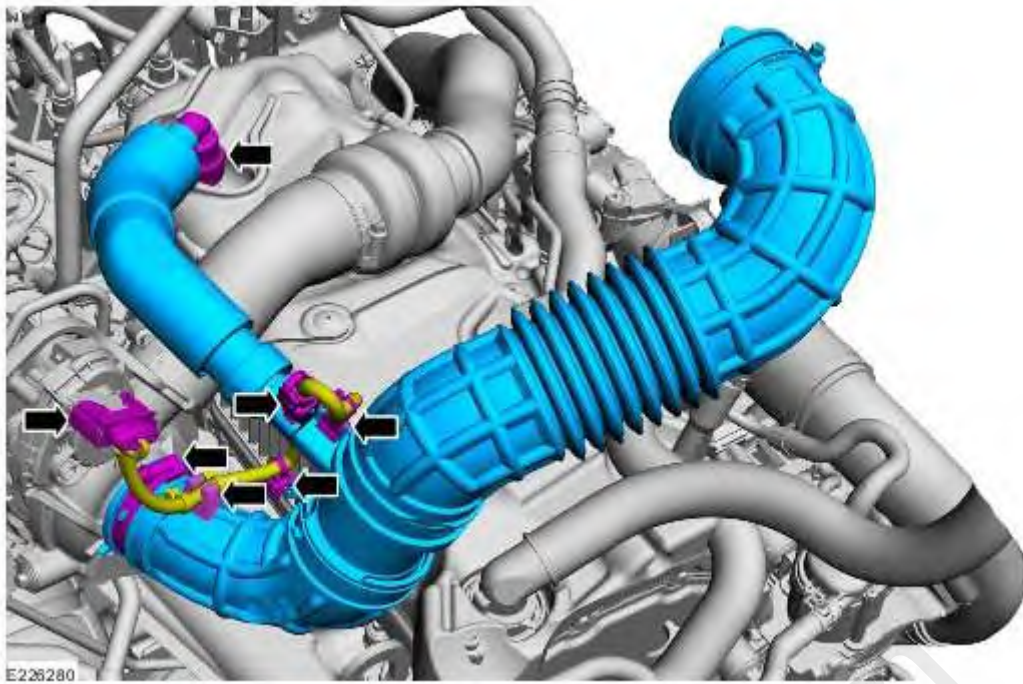
36.



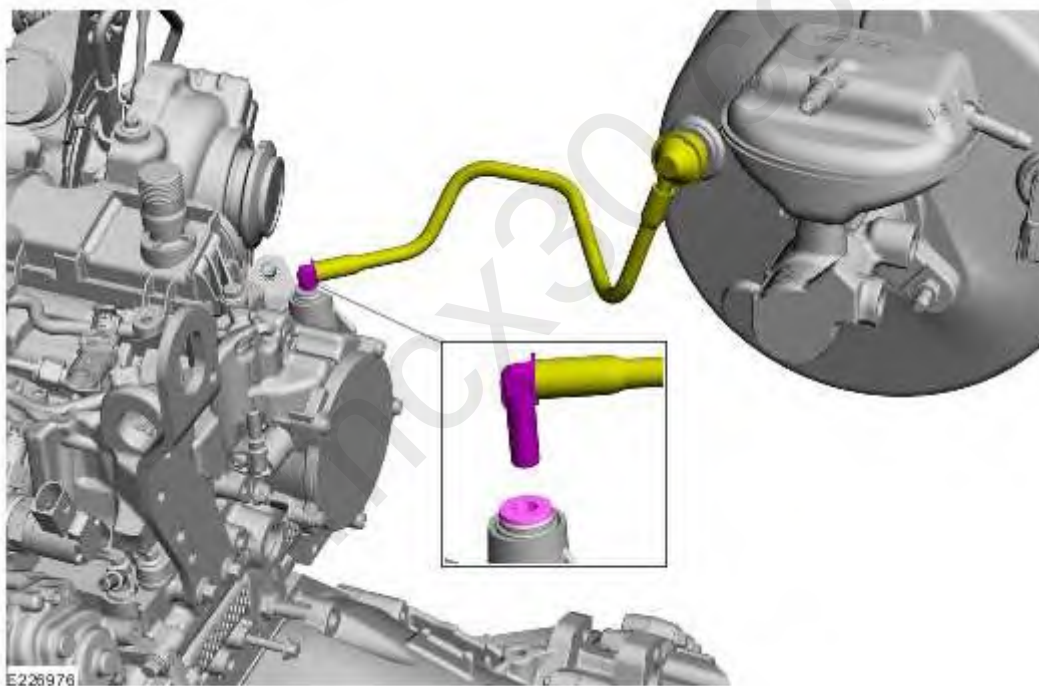
37. Torque: 10 Nm



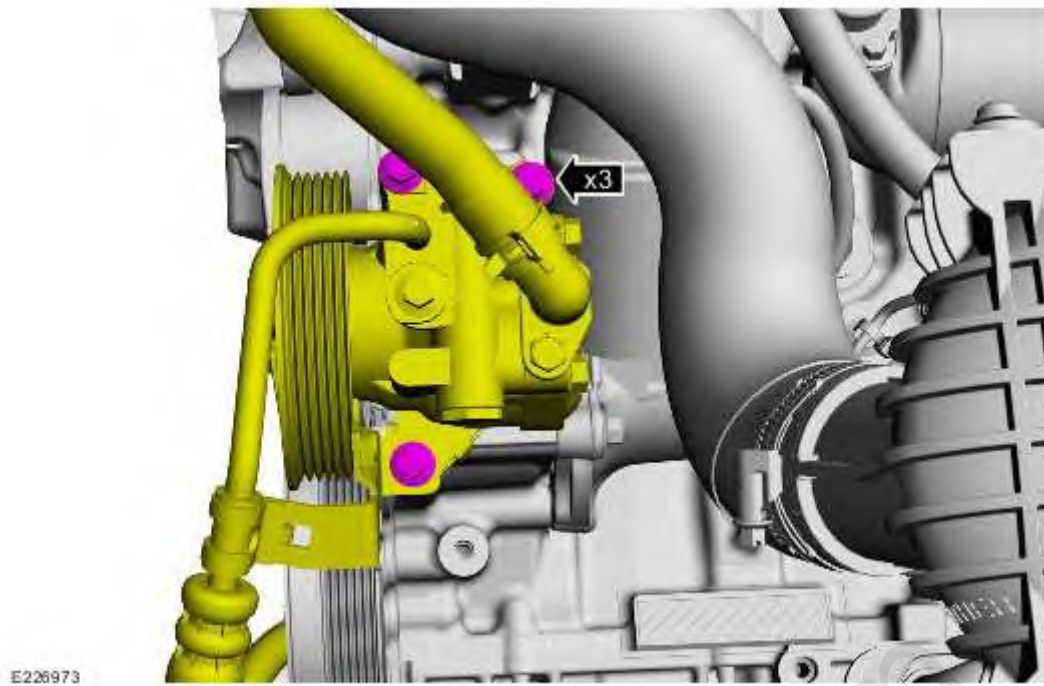
38.



39.

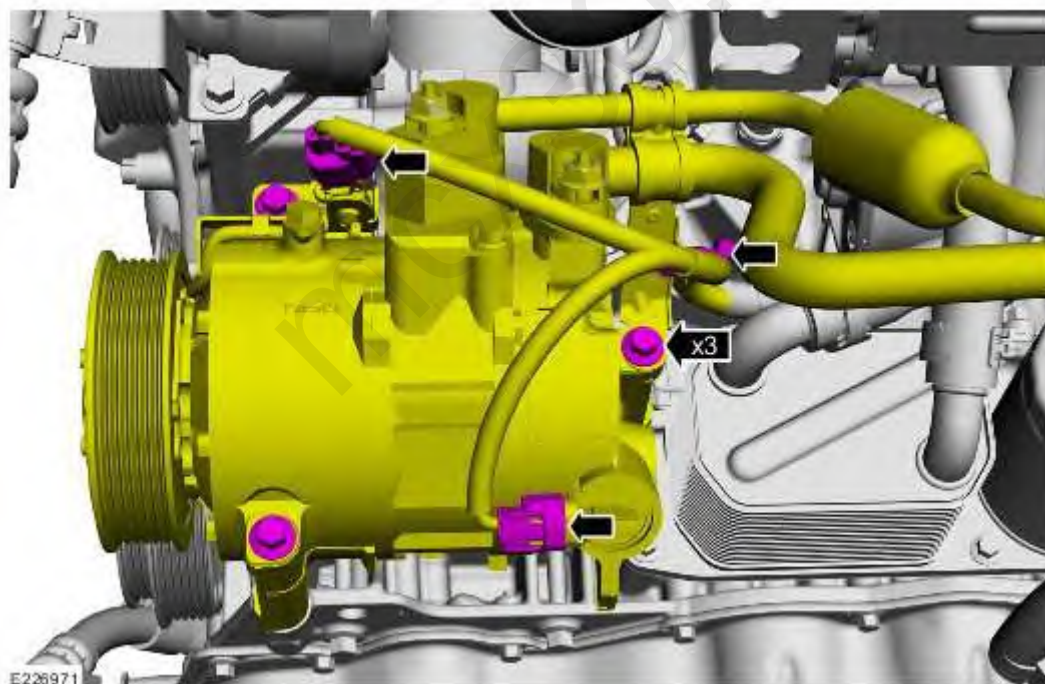


40.  **NOTICE:** Make sure that the components are not forcibly bent.
Torque: 23 Nm

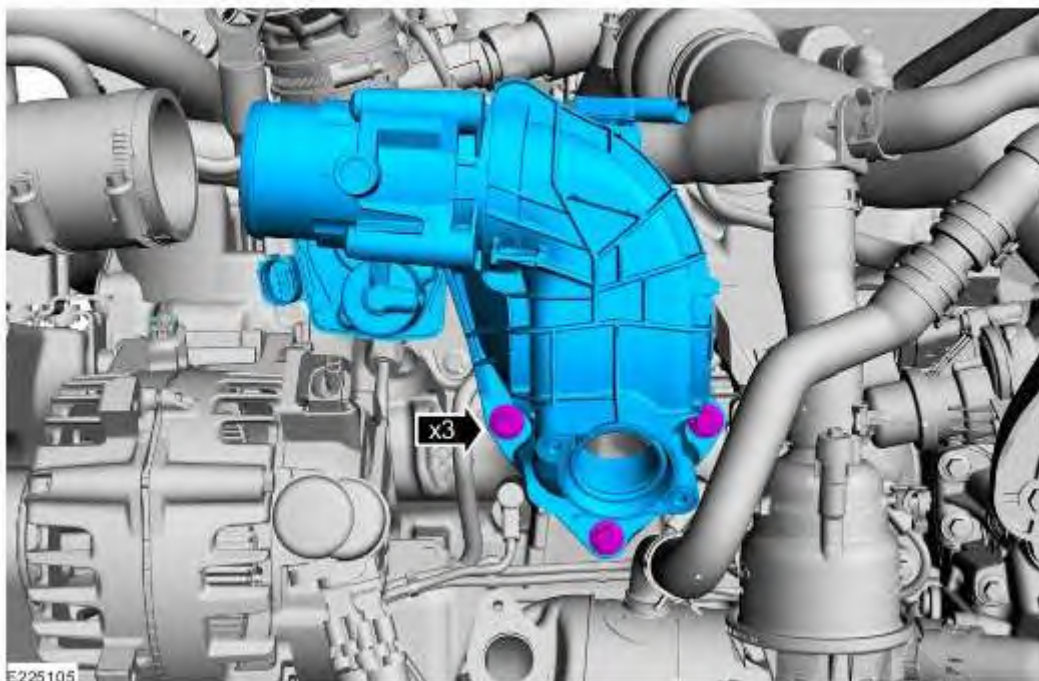


41.  **NOTICE:** Make sure that the components are not forcibly bent.
If equipped.

Torque: 25 Nm



42. **NOTE:** Only tighten the bolts finger tight at this stage.

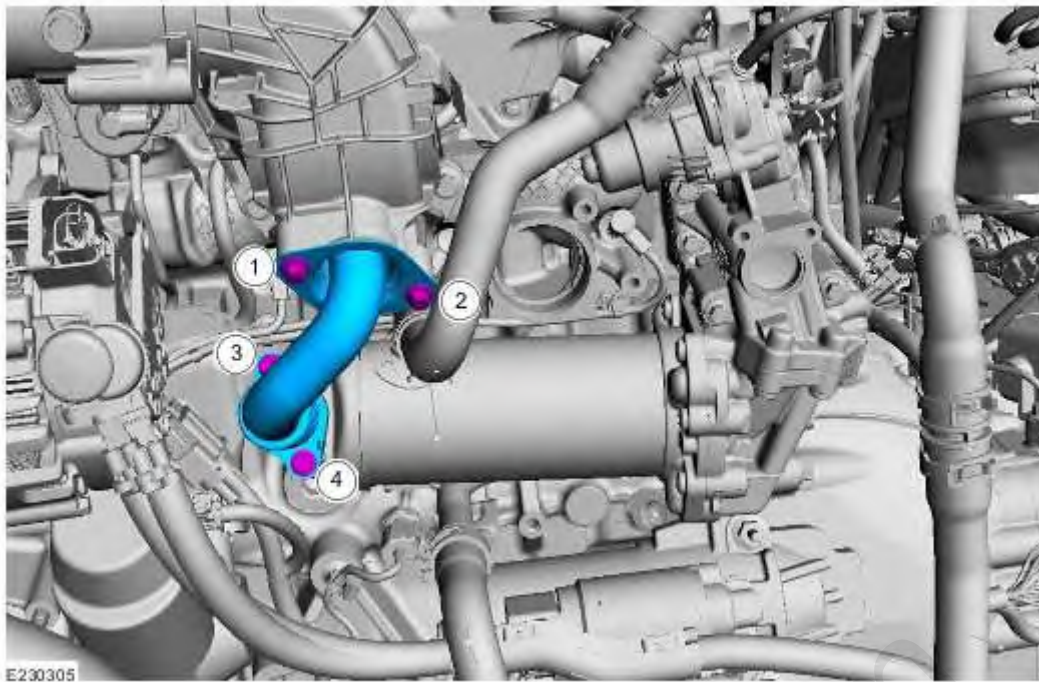


43. NOTE: Use a new seal.
NOTE: Make sure that a new O-ring seal is installed.



E230306

44. NOTE: Make sure that new bolts are installed.
NOTE: Only tighten the bolts finger tight at this stage.



45.

1. *Torque:*

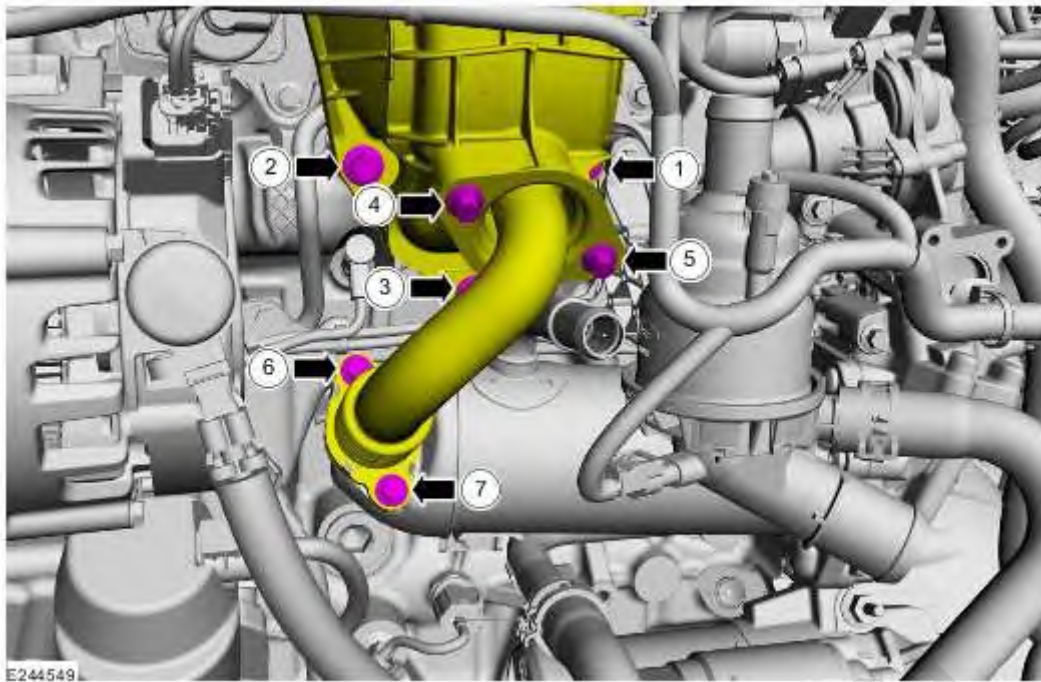
- 1: 10 Nm
- 2: 10 Nm
- 3: 10 Nm

2. *Torque:*

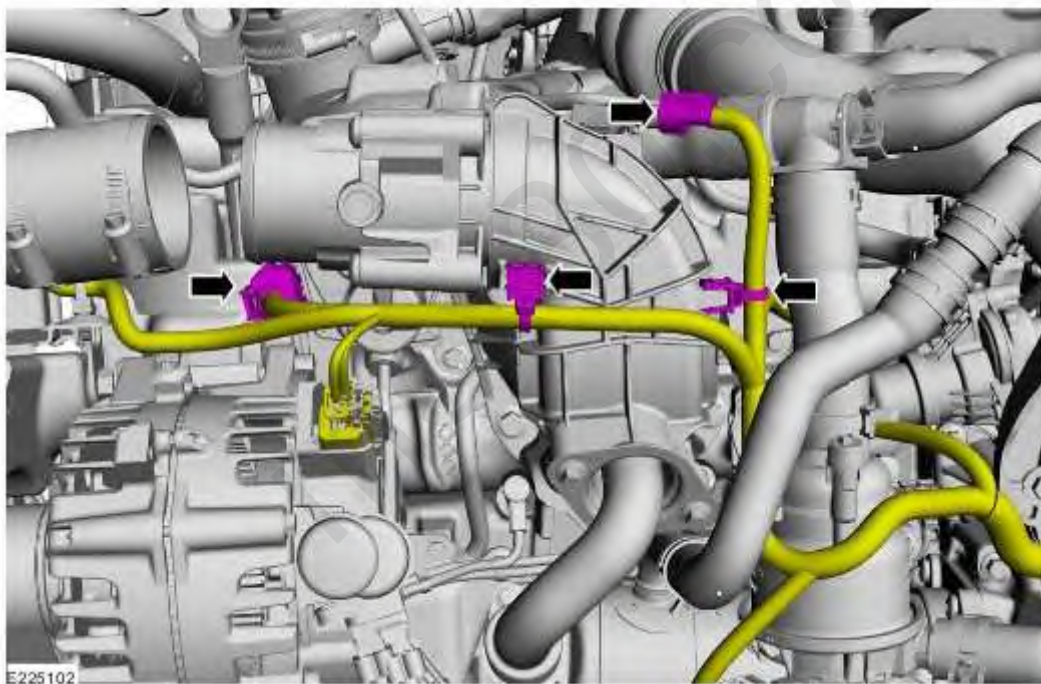
- 1: 23 Nm
- 2: 23 Nm
- 3: 23 Nm

3. *Torque:*

- 4: 10 Nm
- 5: 10 Nm
- 4: 10 Nm
- 6: 10 Nm
- 7: 10 Nm
- 6: 10 Nm

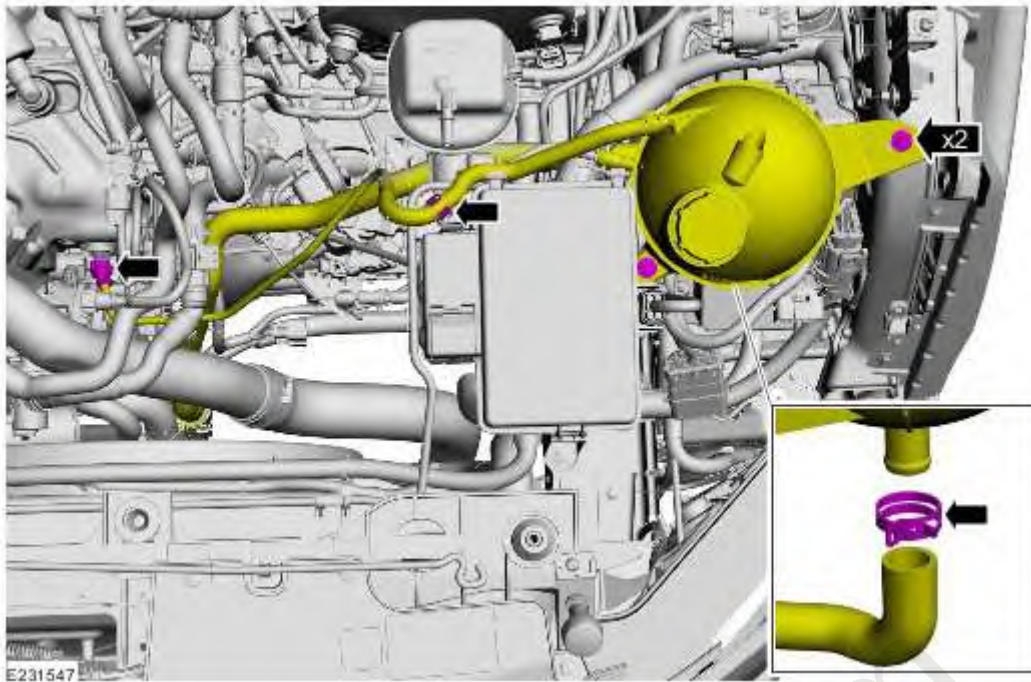


46.



47. Refer to: [Generator - 2.0L EcoBlue \(77kW/105PS\) \(YL\)/2.0L EcoBlue \(96kW/130PS\) \(YM\)/2.0L EcoBlue \(125kW/170PS\) \(YN\)](#) (414-02 Generator and Regulator, Removal and Installation).

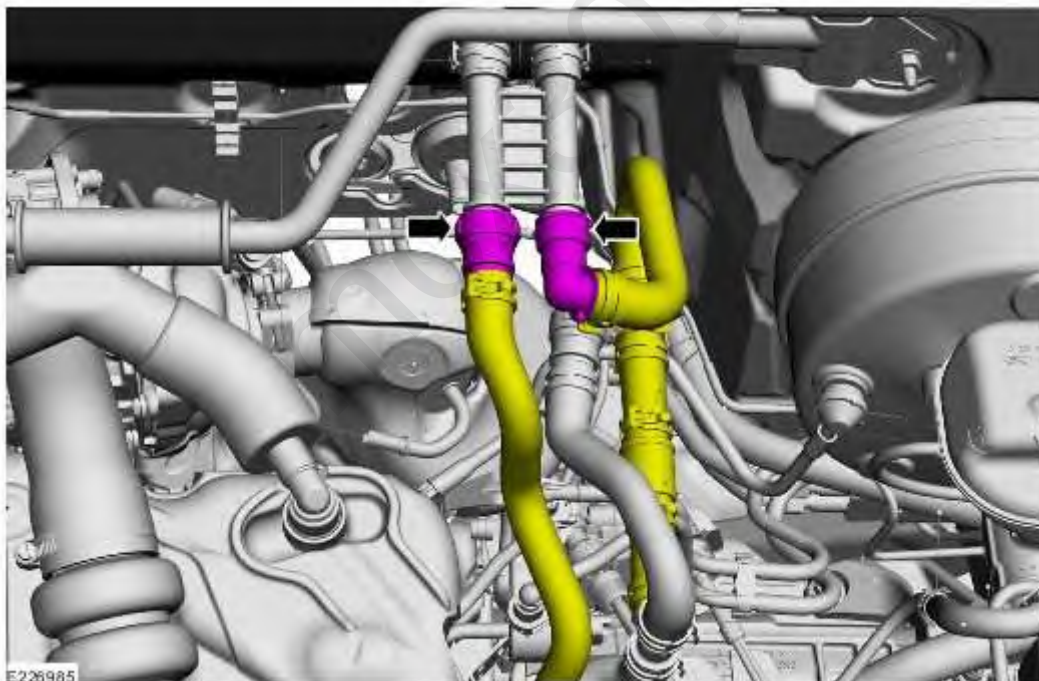
48. Use the General Equipment: [Hose Clamp Remover/Installer](#)



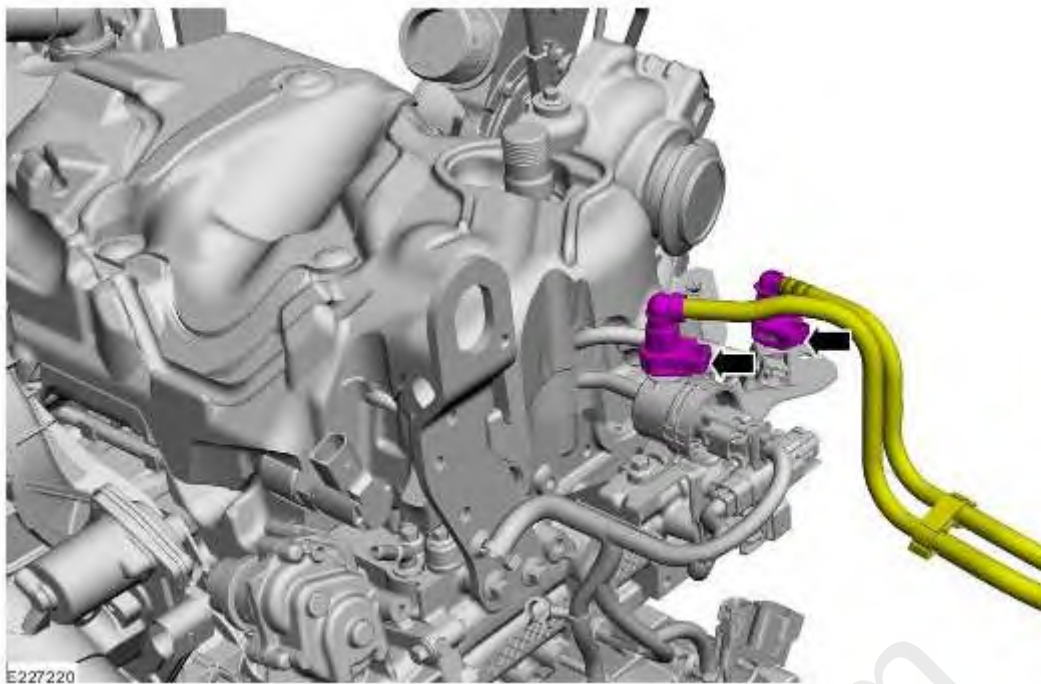
49. On both sides.

Refer to: [Headlamp Assembly](#) (417-01 Exterior Lighting, Removal and Installation).

50.

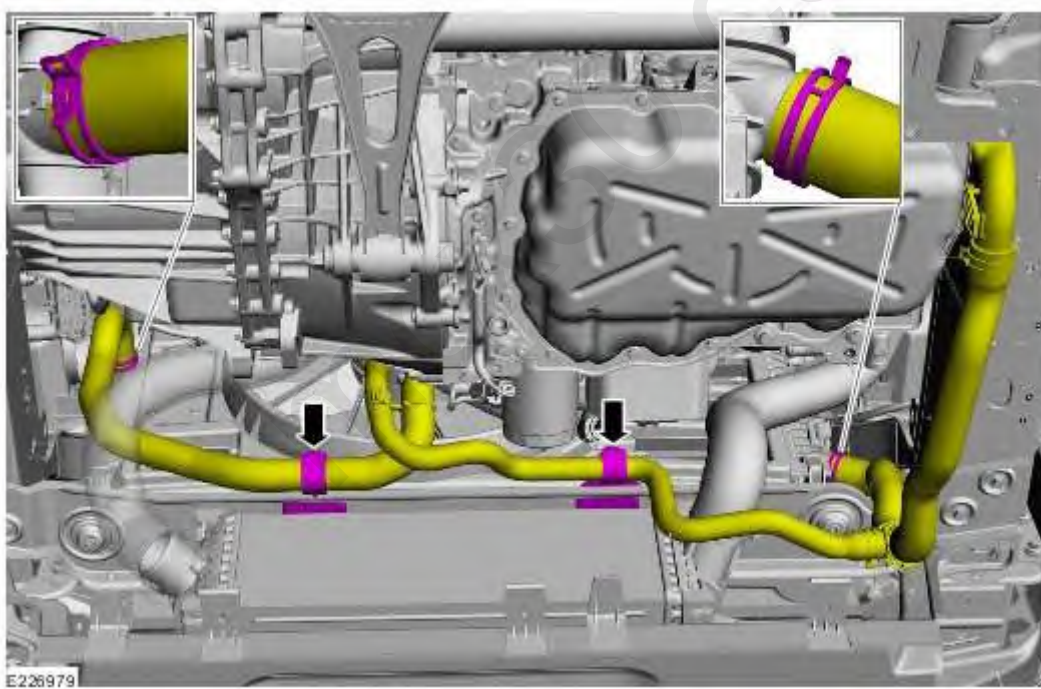


51. Refer to: [Quick Release Coupling](#) (310-00A Fuel System - General Information, General Procedures).

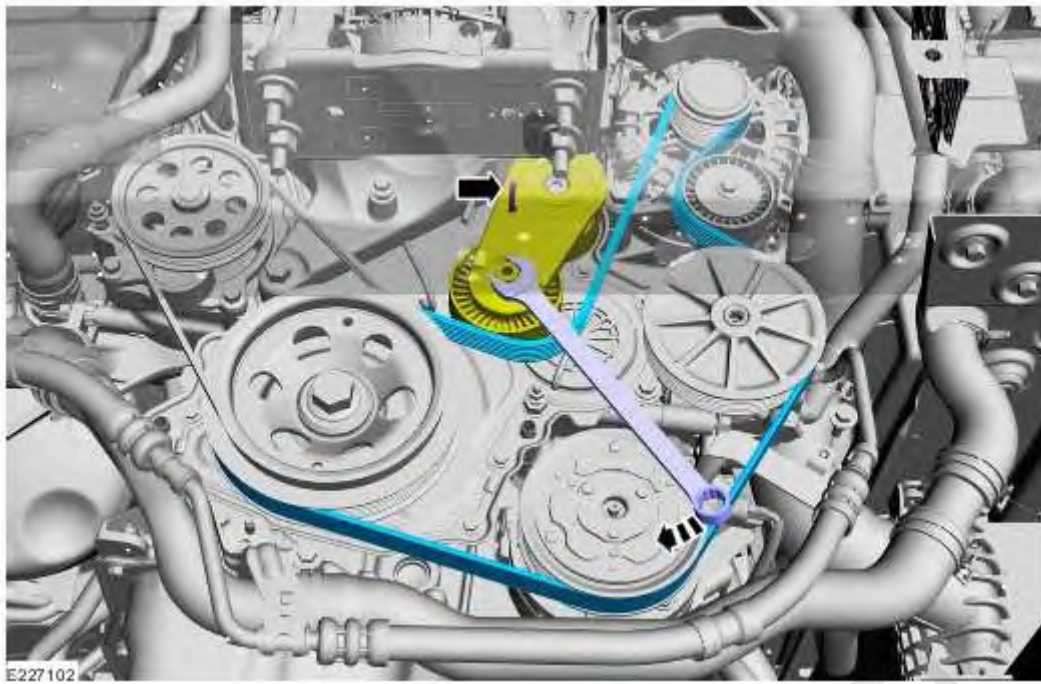


52. **NOTE:** Be prepared to collect escaping fluid.

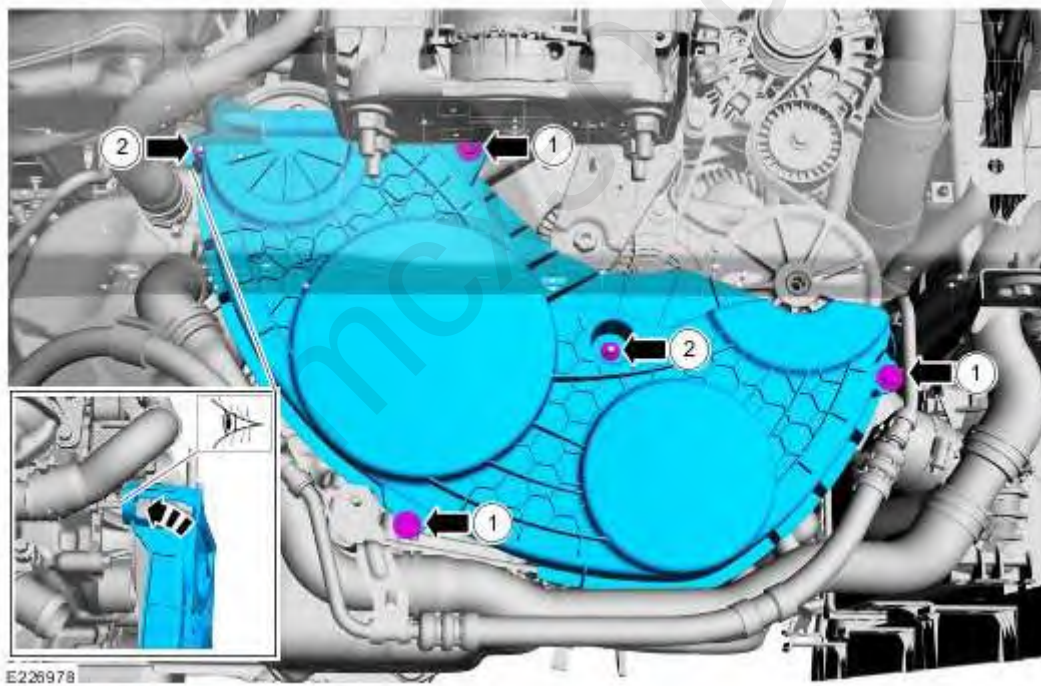
Use the General Equipment: [Hose Clamp Remover/Installer](#)



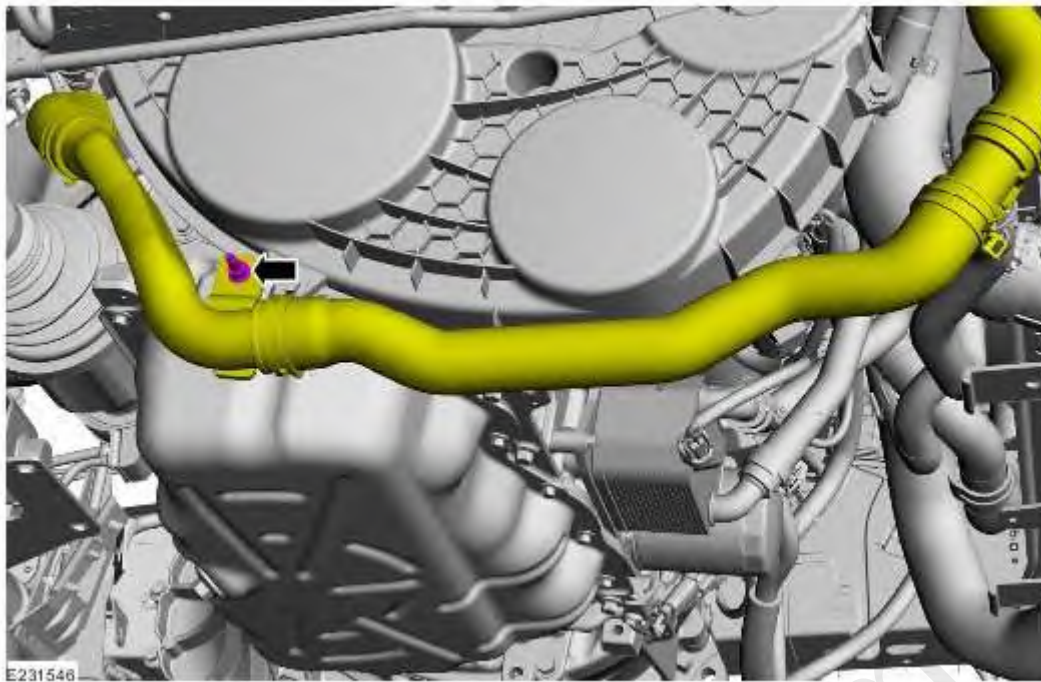
53.



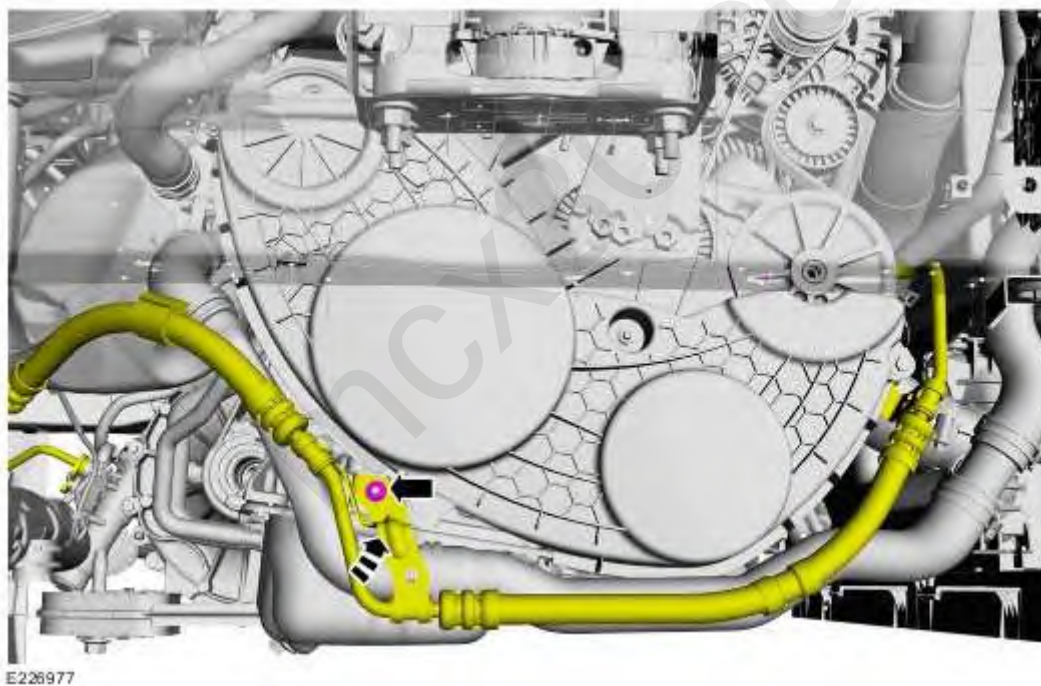
54. Torque:
- 1: 10 Nm
 - 2: 10 Nm



55. Torque: 10 Nm

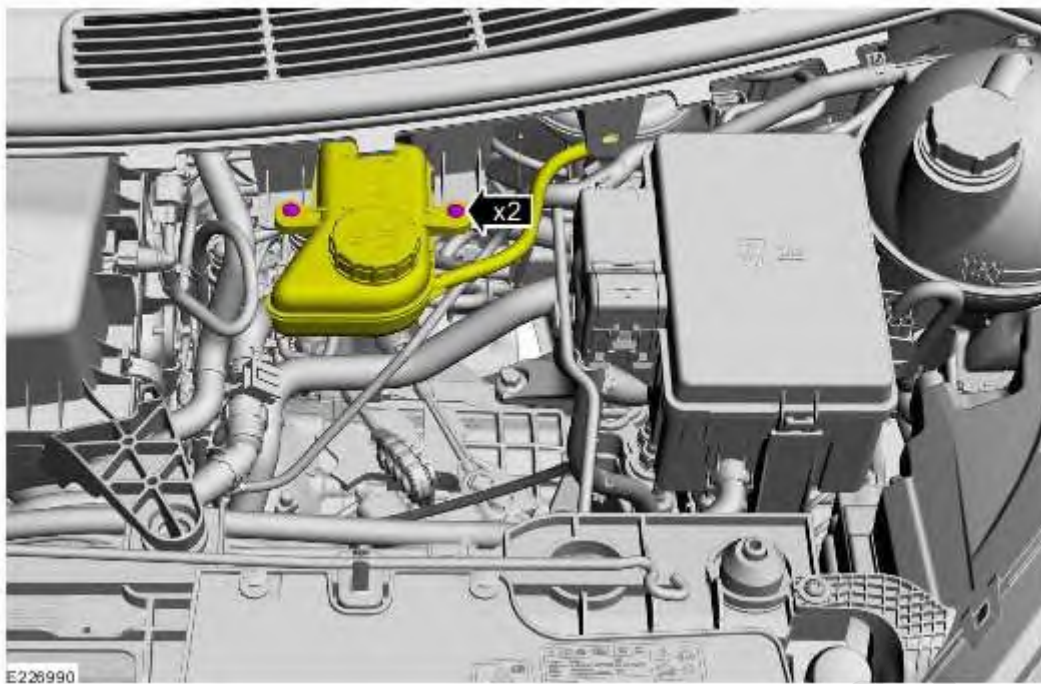


56. Torque: 10 Nm

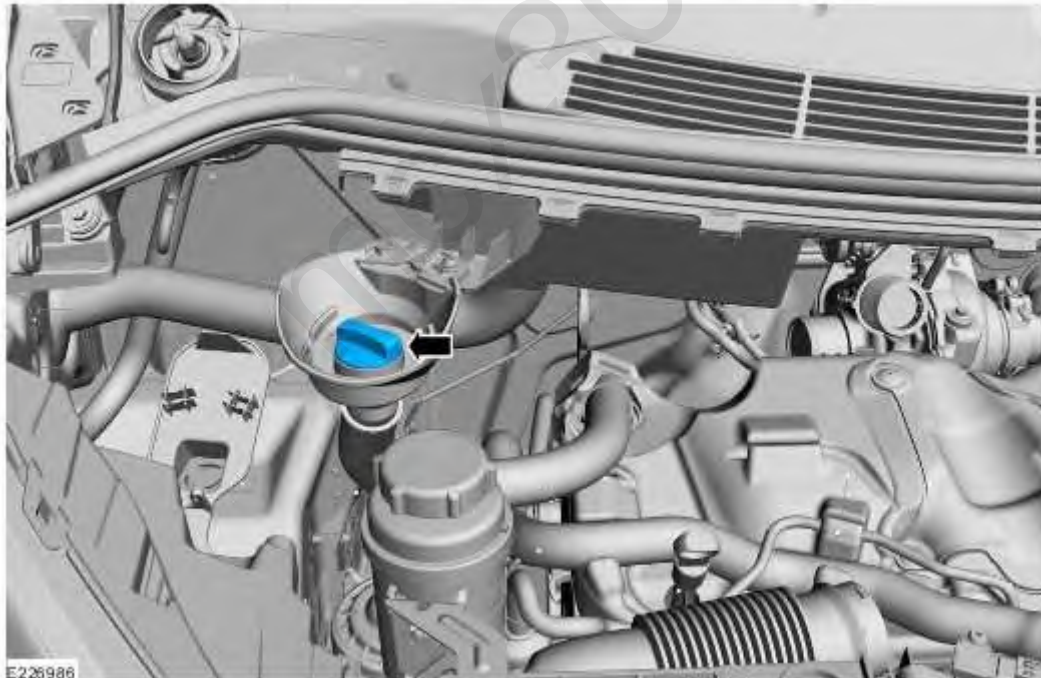


57. Refer to: [Diesel Particulate Filter \(DPF\)](#) (309-00A Exhaust System, Removal and Installation).

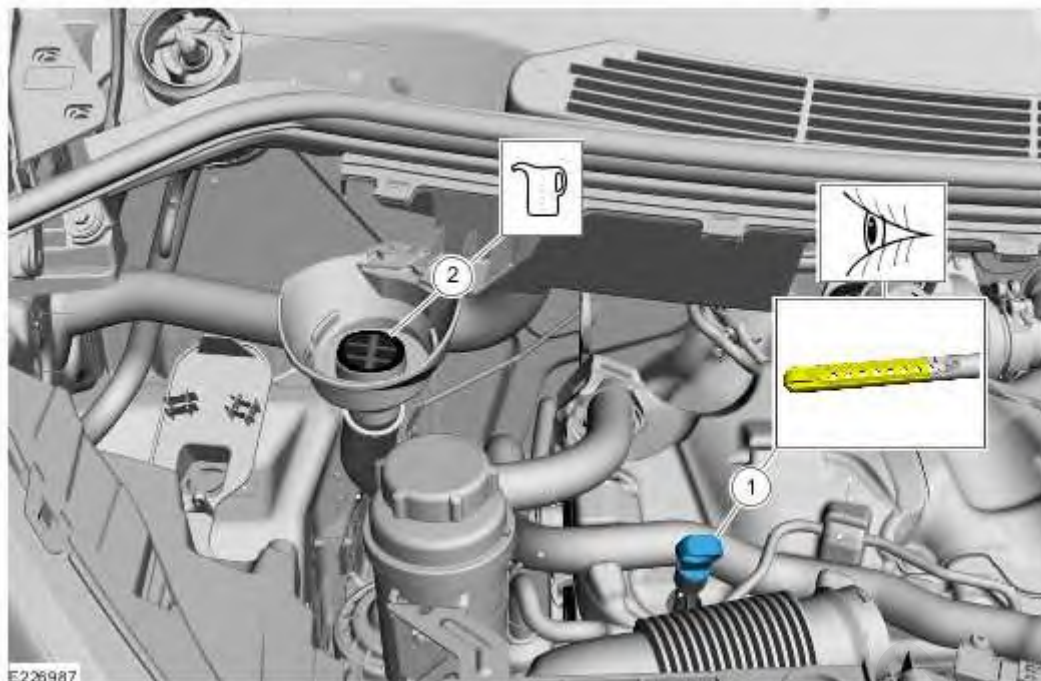
58.



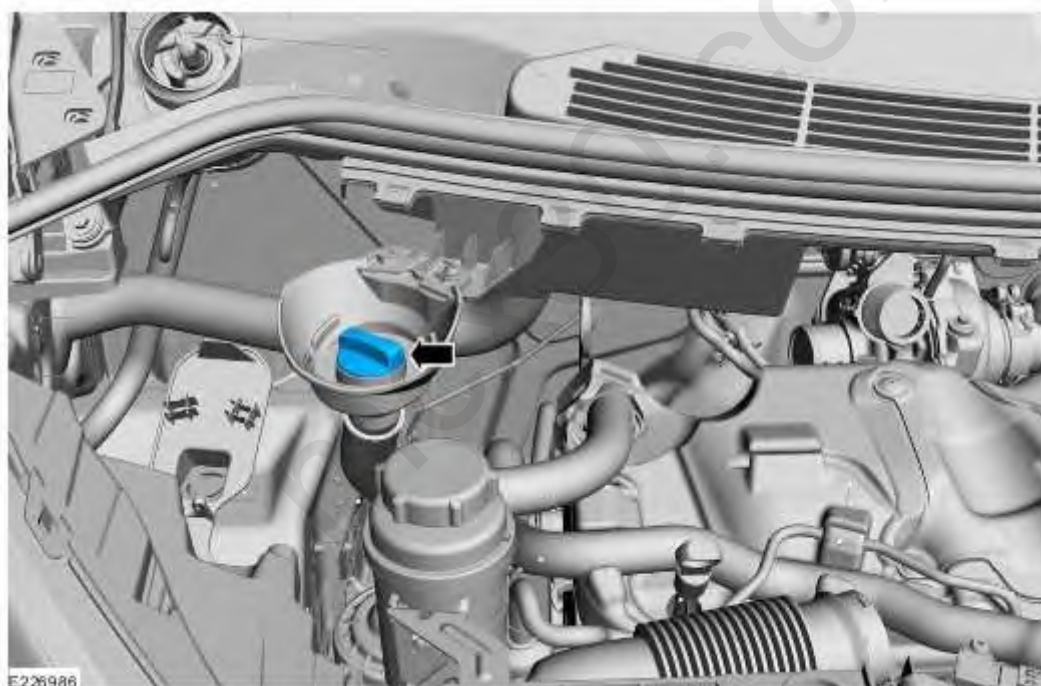
59. Refer to: [Cooling System Draining, Vacuum Filling and Bleeding](#) (303-03A Engine Cooling, General Procedures).
60. Refer to: [Battery Disconnect and Connect](#) (414-01 Battery, Mounting and Cables, General Procedures).
- 61.



62.  **NOTICE:** Make sure that the engine oil is to specification.
NOTE: Make sure that fluid level is to the MAX mark.
Refer to: [Specifications](#) (303-01A Engine, Specifications).



63.



64. Refer to: [Fuel System Bleeding](#) (310-00A Fuel System - General Information, General Procedures).

6-Speed Automatic Transmission - 6F55

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

66. Reset the High-Pressure Fuel System Learned Values.

Use the General Equipment: [Ford Diagnostic Equipment](#)