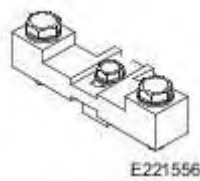


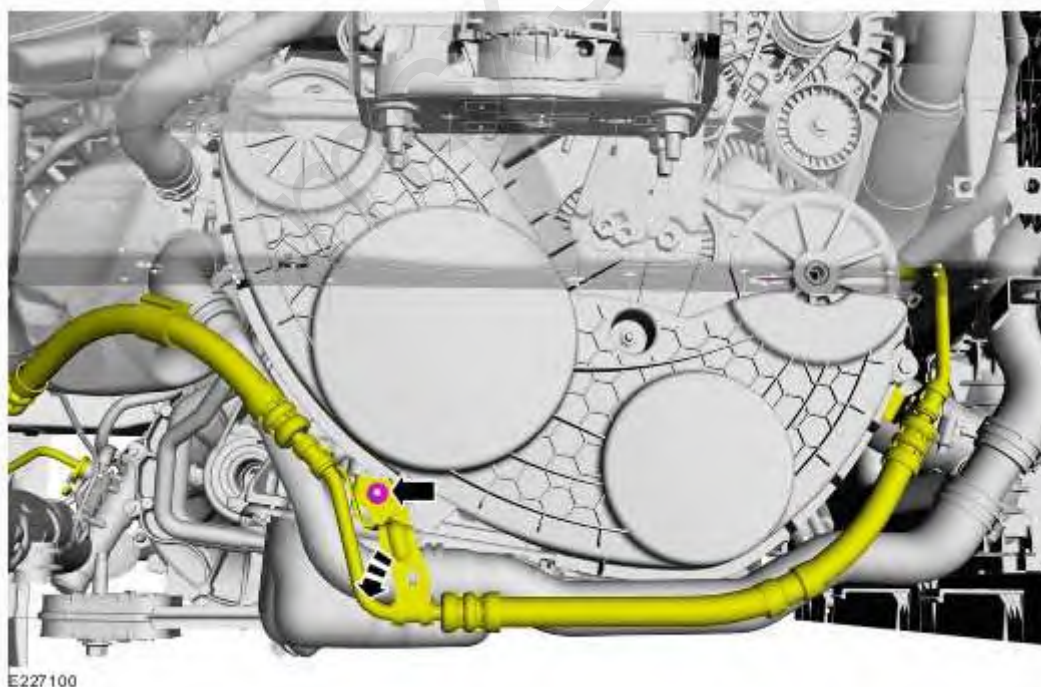
Removal and Installation

Special Tool(s) / General Equipment

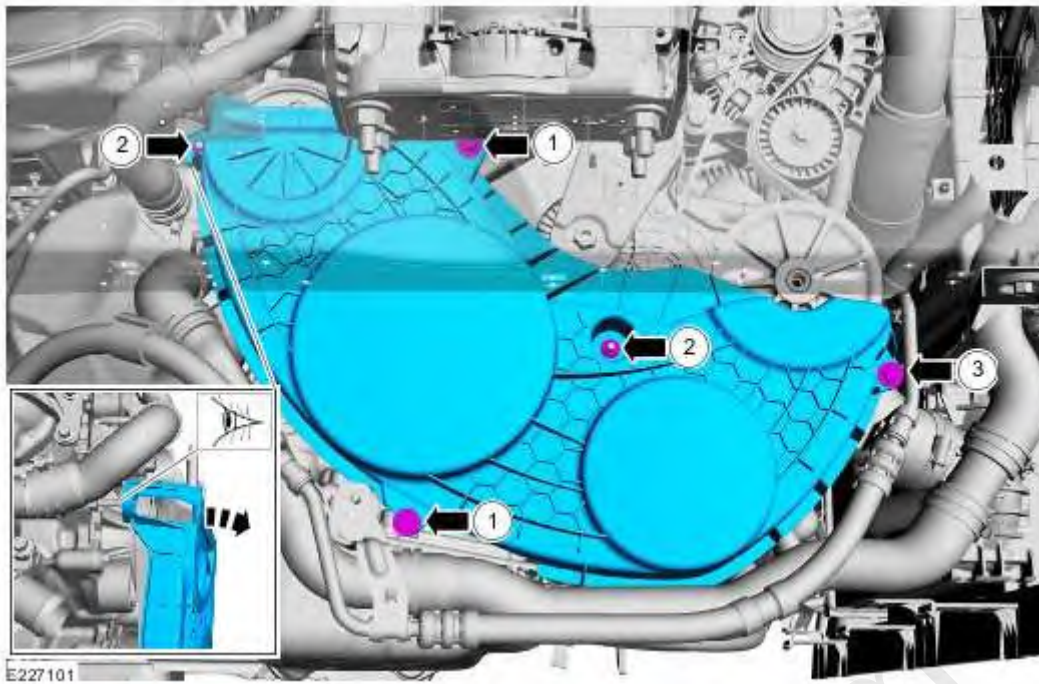
 E221552	303-1635 Remover/Installer, Fuel Injection Pump
 E221556	303-1643 Locking Tool, Flywheel
Ford Diagnostic Equipment	

Removal

1. Refer to: [Diesel Fuel System Health and Safety Precautions](#) (100-00 General Information, Description and Operation).
2. Refer to: [Starter Motor](#) (303-06A Starting System, Removal and Installation).
- 3.

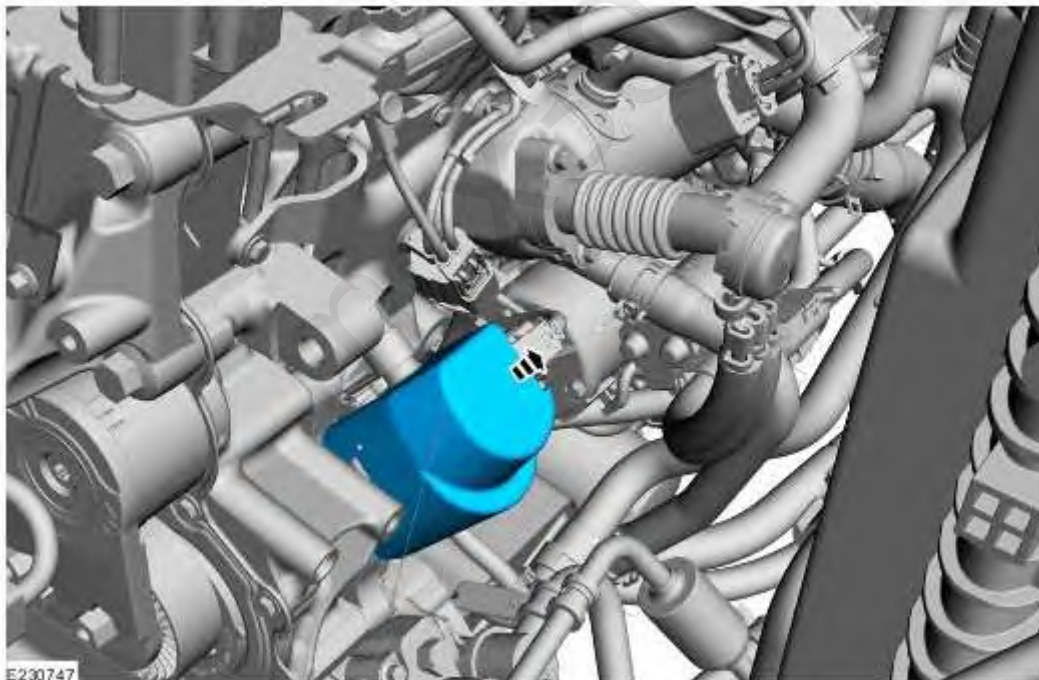


- 4.

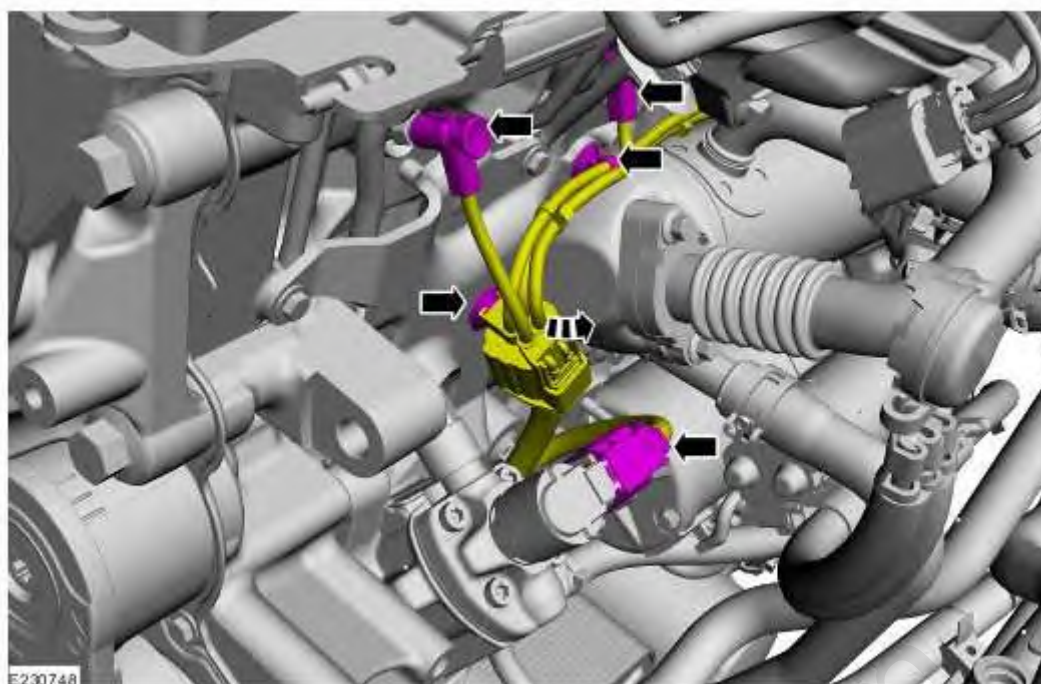


5. Refer to: [Generator - 2.0L EcoBlue \(77kW/105PS\) \(YL\)/2.0L EcoBlue \(96kW/130PS\) \(YM\)/2.0L EcoBlue \(125kW/170PS\) \(YN\)](#) (414-02 Generator and Regulator, Removal and Installation).

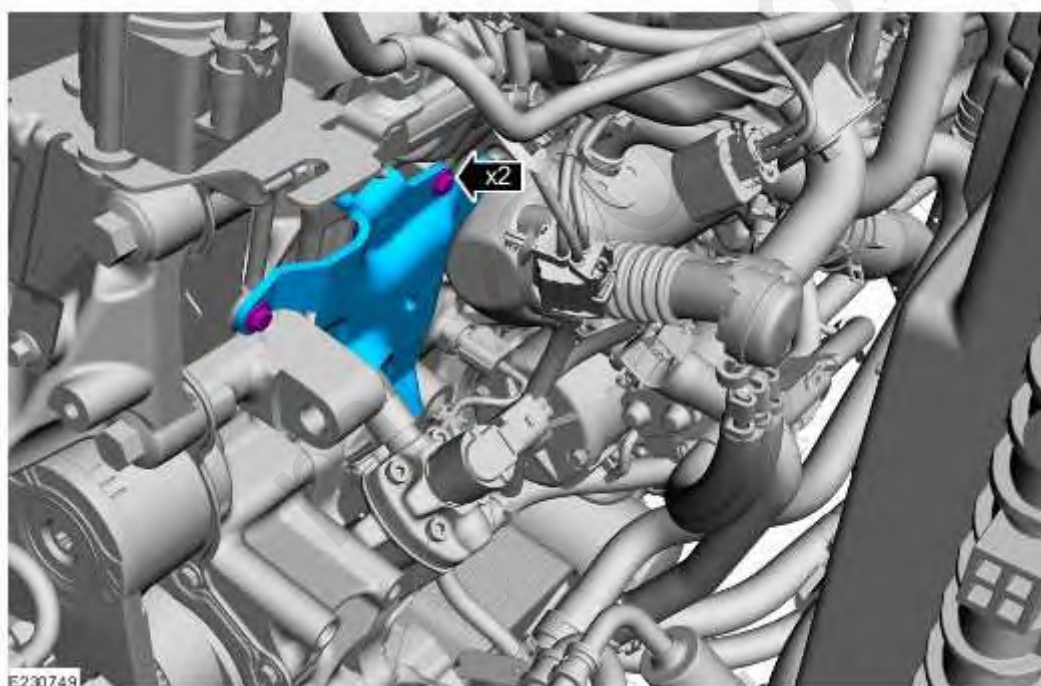
6.



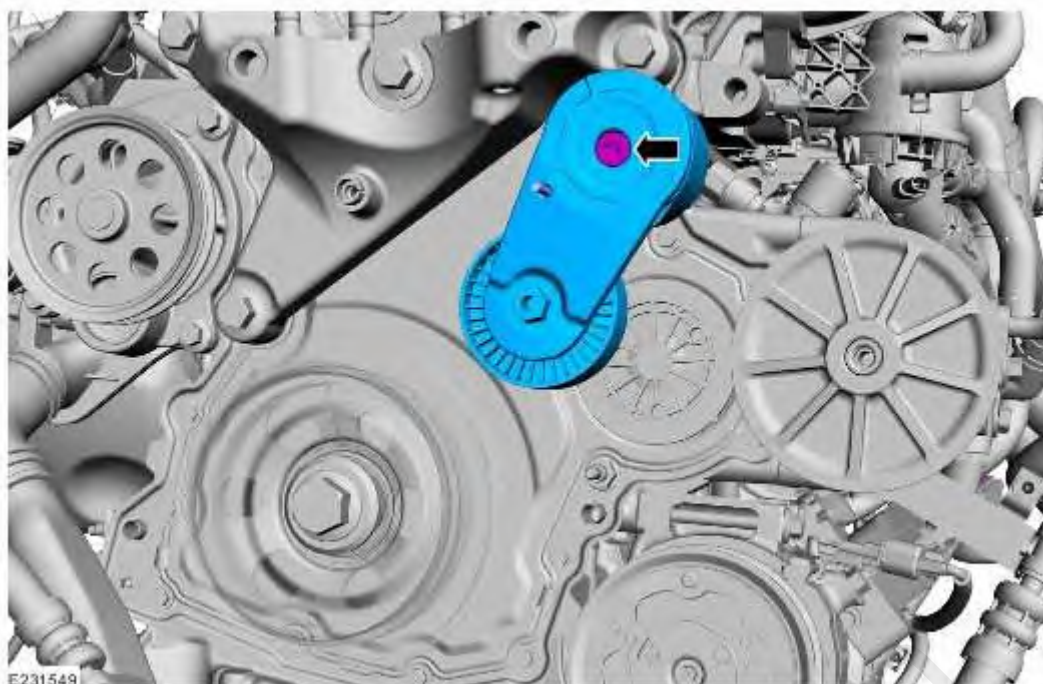
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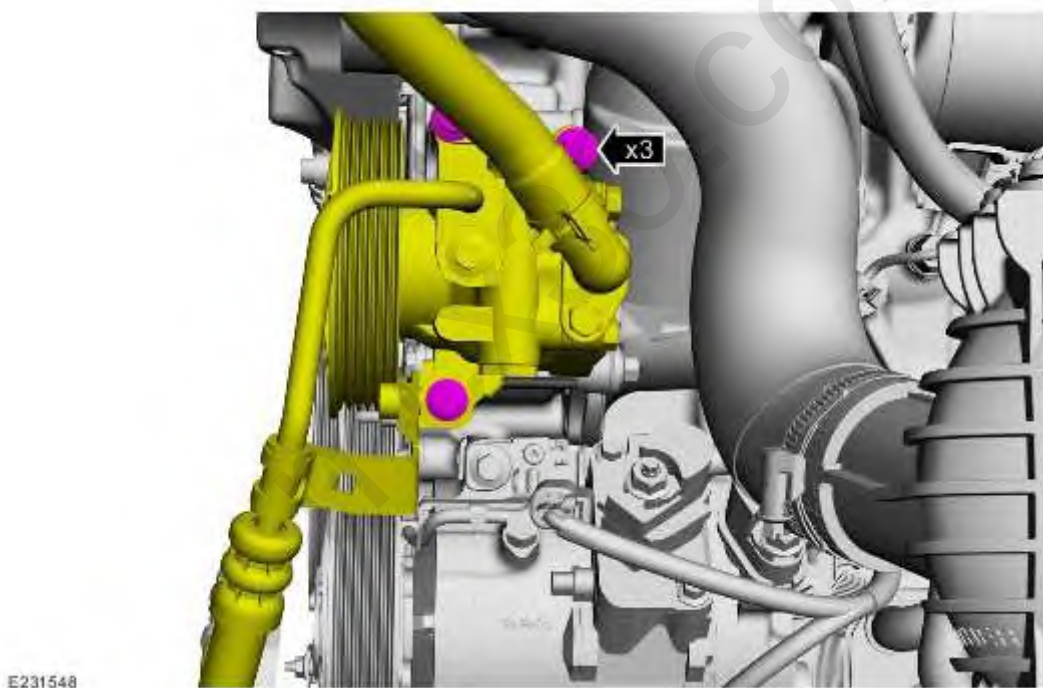
8.



9.



10.

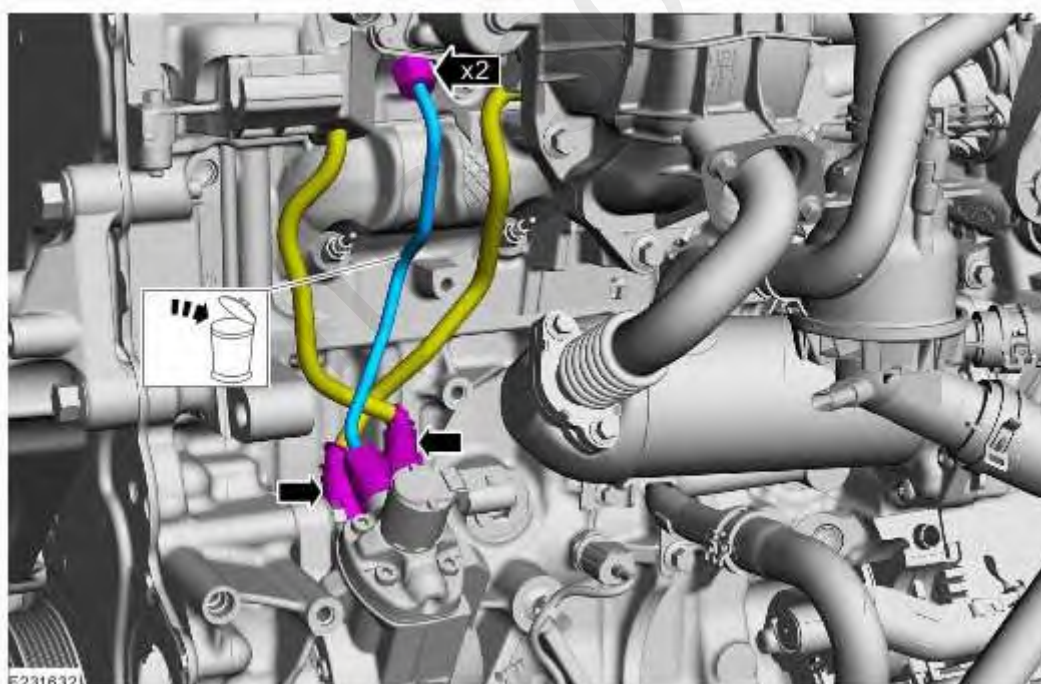


11.

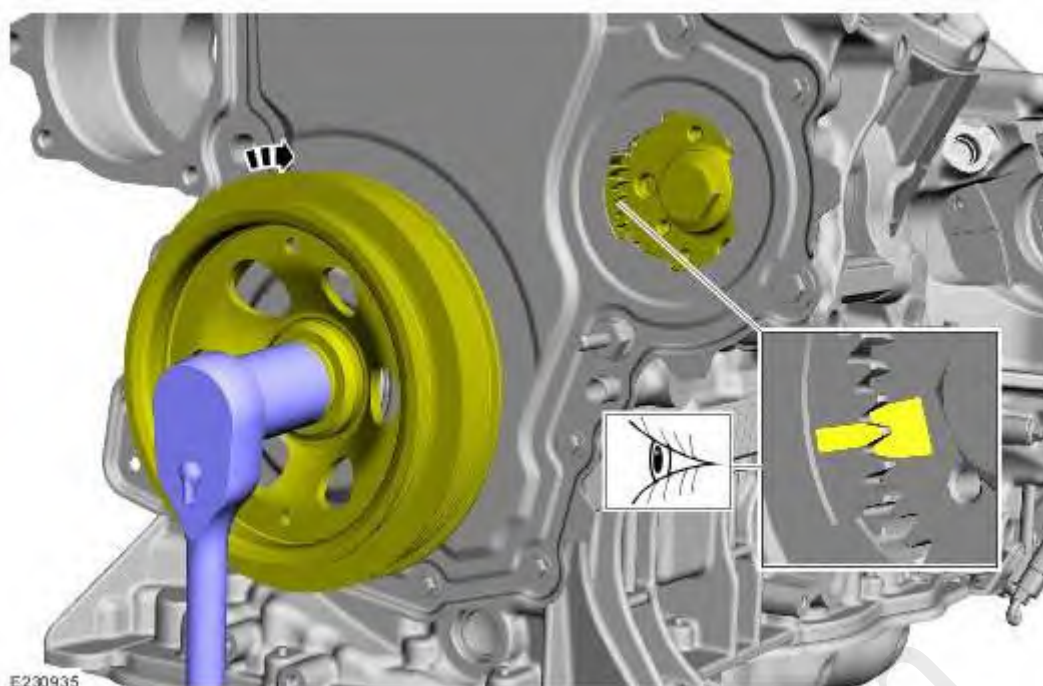


12. NOTICE:

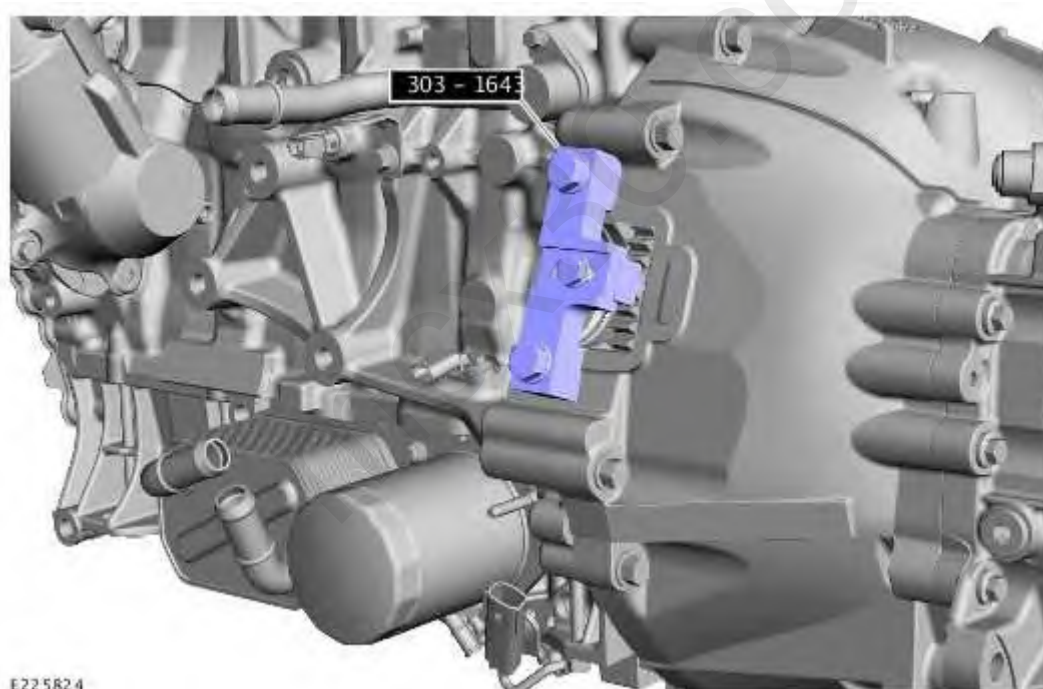
- ⚠ Make sure that all openings are sealed with new blanking caps.
 - ⚠ Extreme cleanliness must be exercised when handling the components.
- NOTE: Use suitable paper to absorb any escaping fluid.



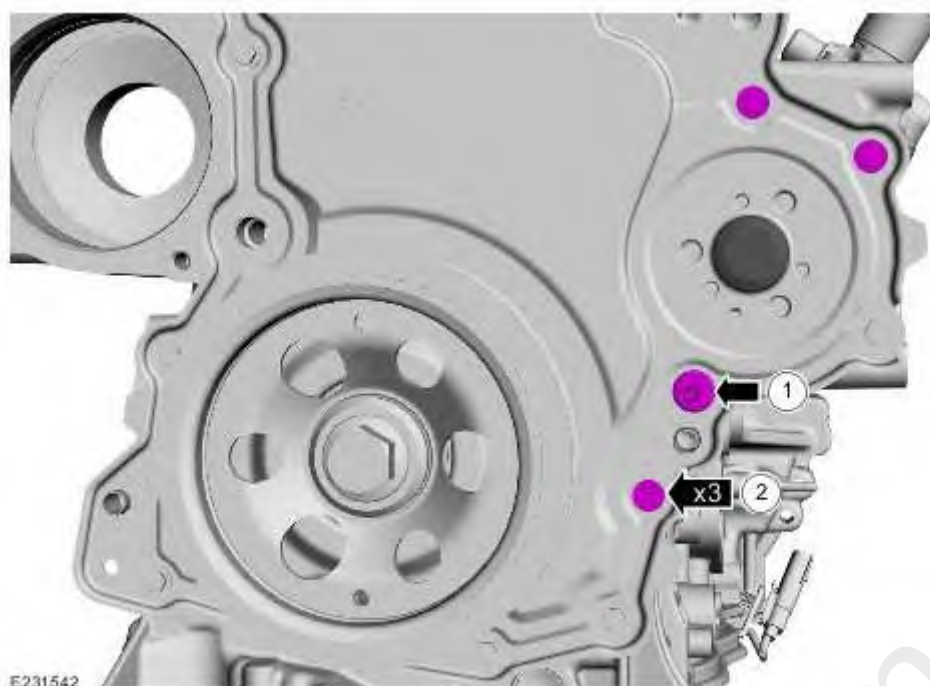
13. ⚠ NOTICE: Only rotate the crankshaft clockwise.



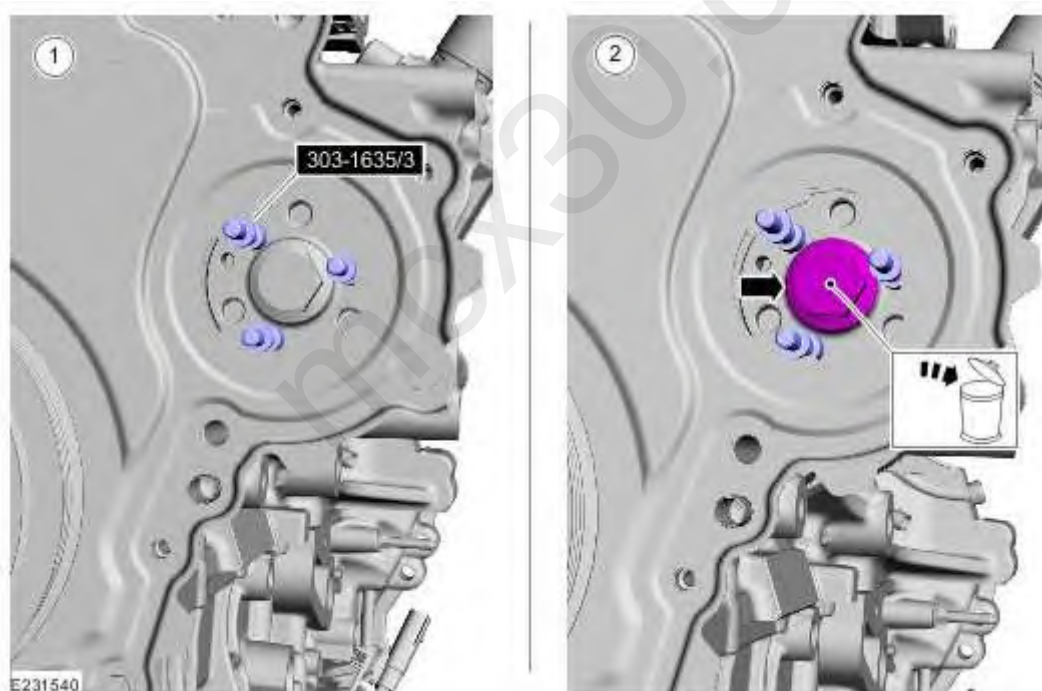
14. Install Special Service Tool: [303-1643](#).



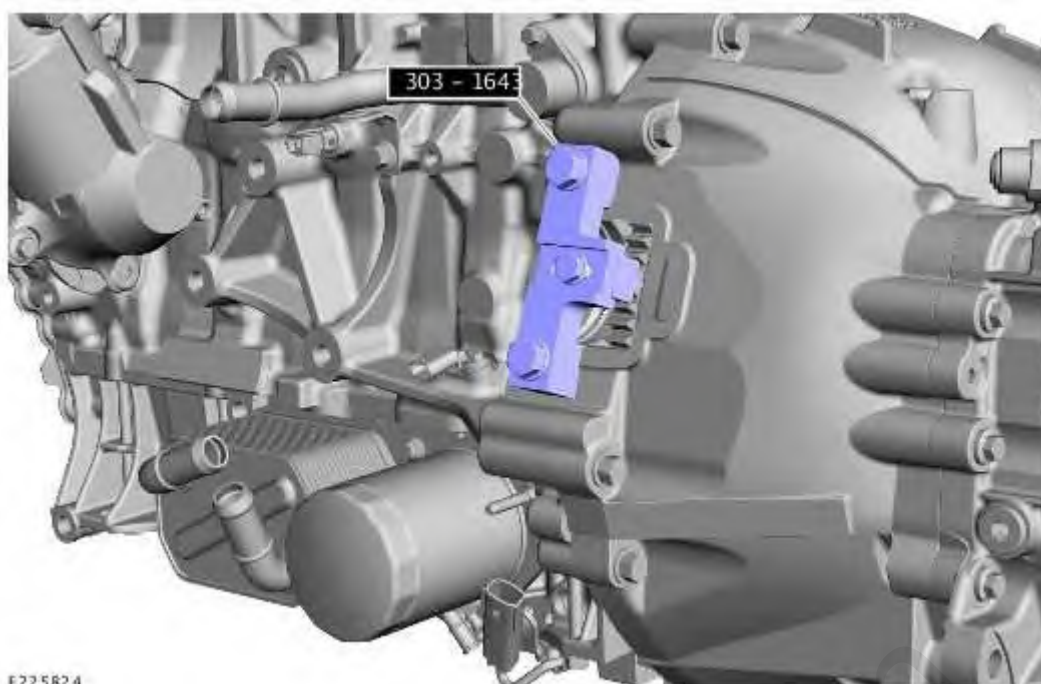
15.



- 16.
1. Install Special Service Tool: [303-1635](#).
 2. NOTE: Discard the bolt.



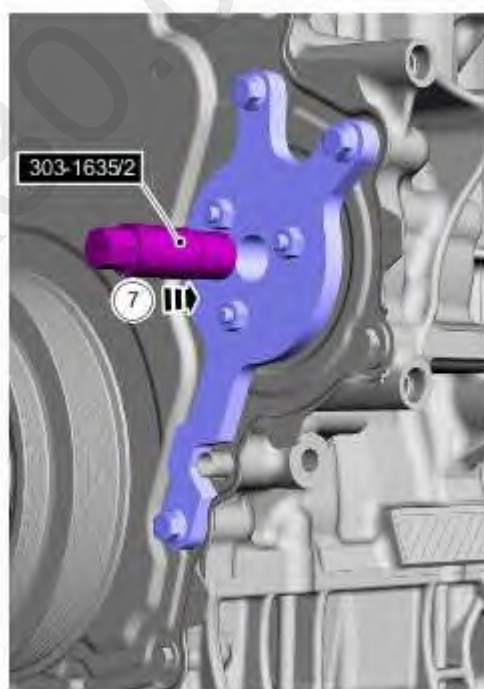
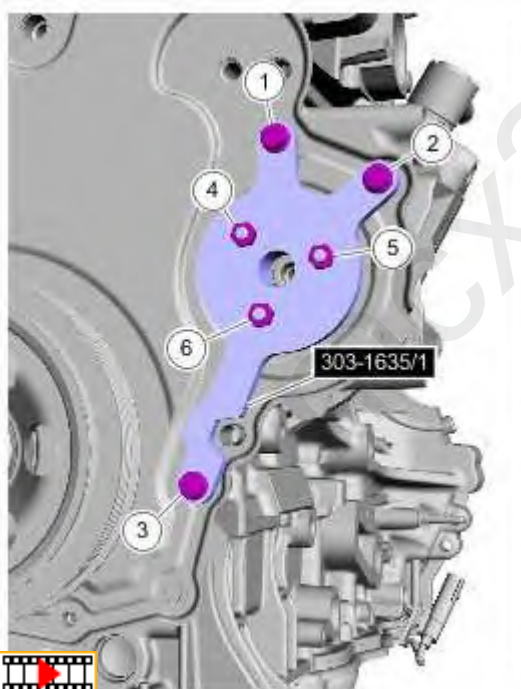
17. Remove Special Service Tool: [303-1643](#).



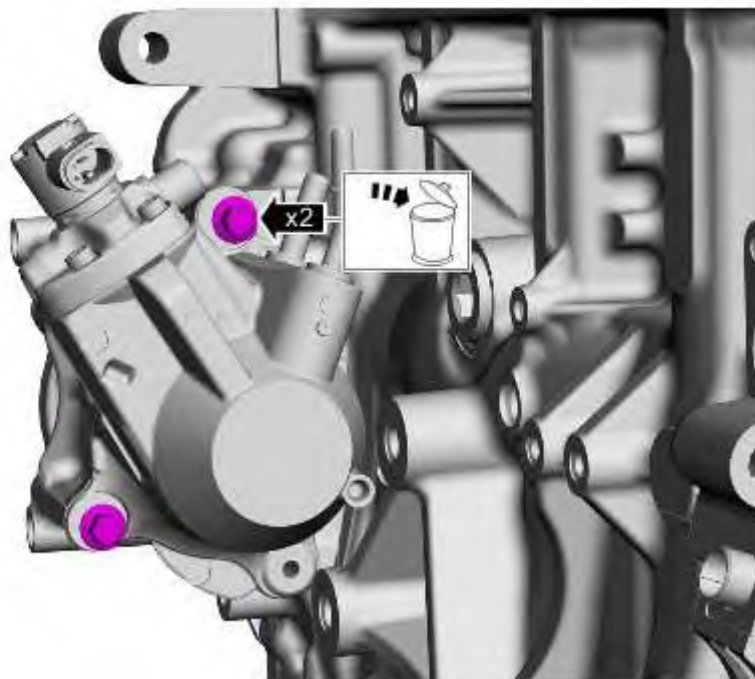
18. *Install Special Service Tool: 303-1635.*

Torque:

7: 3 turn(s)



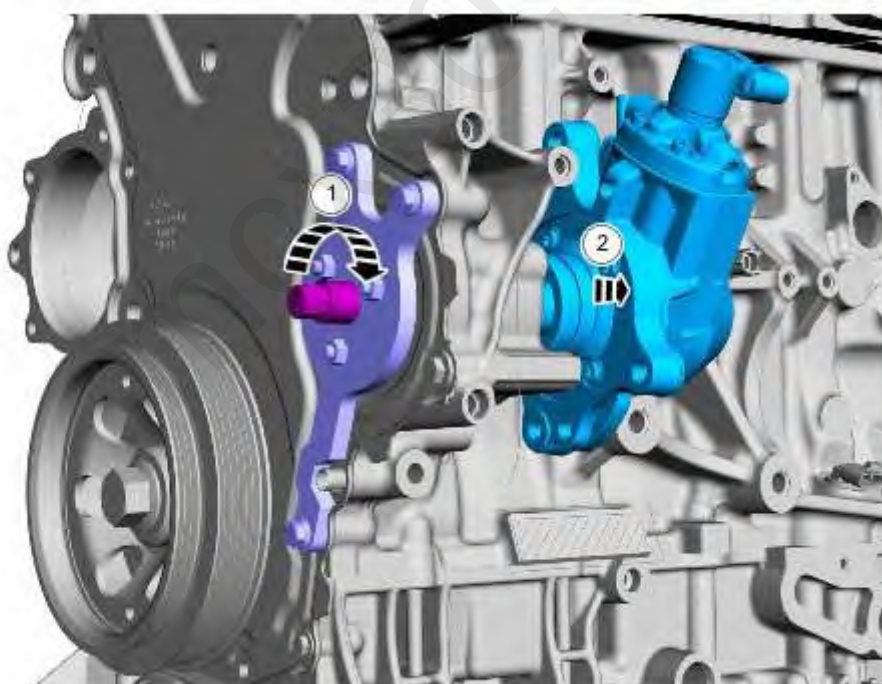
19.



E228873

20. NOTICE:

- ⚠ Extreme cleanliness must be exercised when handling the component.
- ⚠ Only use moderate force.

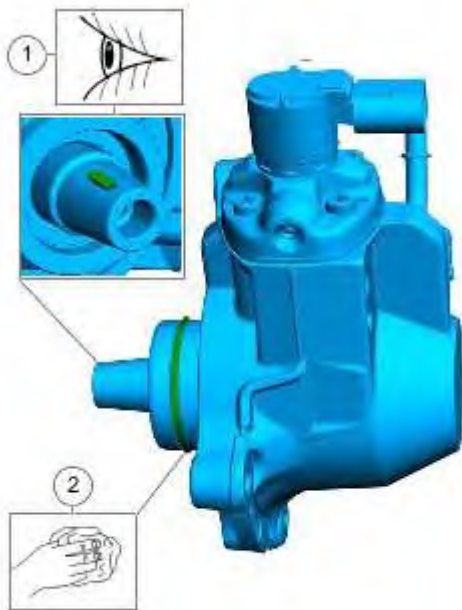


Installation

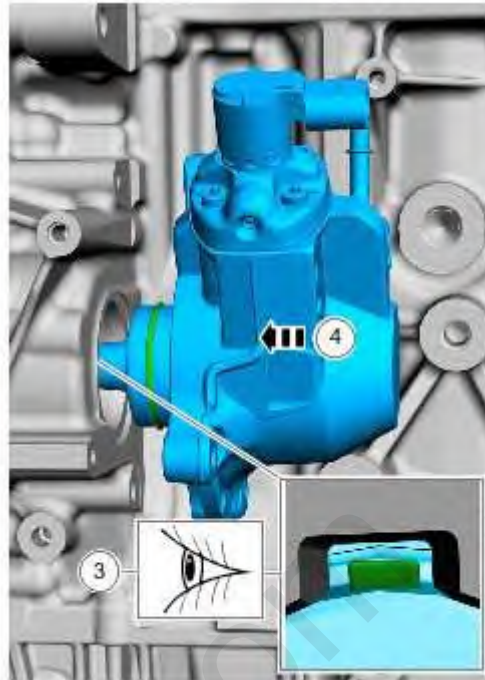
1. NOTICE:

- ⚠ Extreme cleanliness must be exercised when handling the component.
- ⚠ Use lint free cloth.

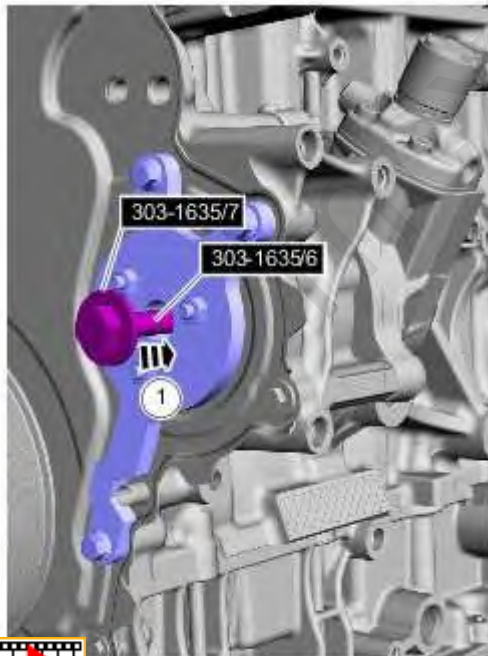
NOTE: Make sure that the threaded holes are clean and free of foreign matter.
NOTE: Make sure that the seal is correctly located.
NOTE: The component must be installed by hand before final tightening.



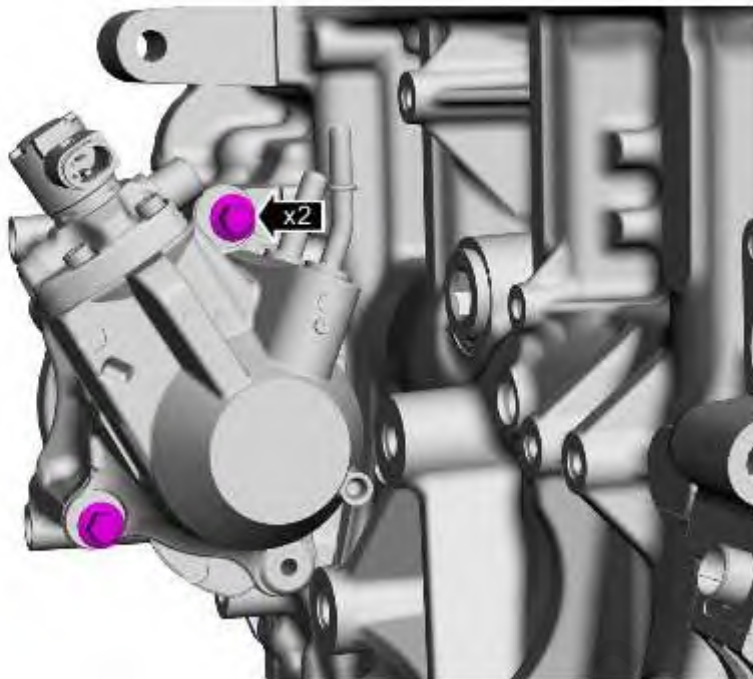
E228872



2.  NOTICE: Only use moderate force.
Install Special Service Tool: [303-1635](#).

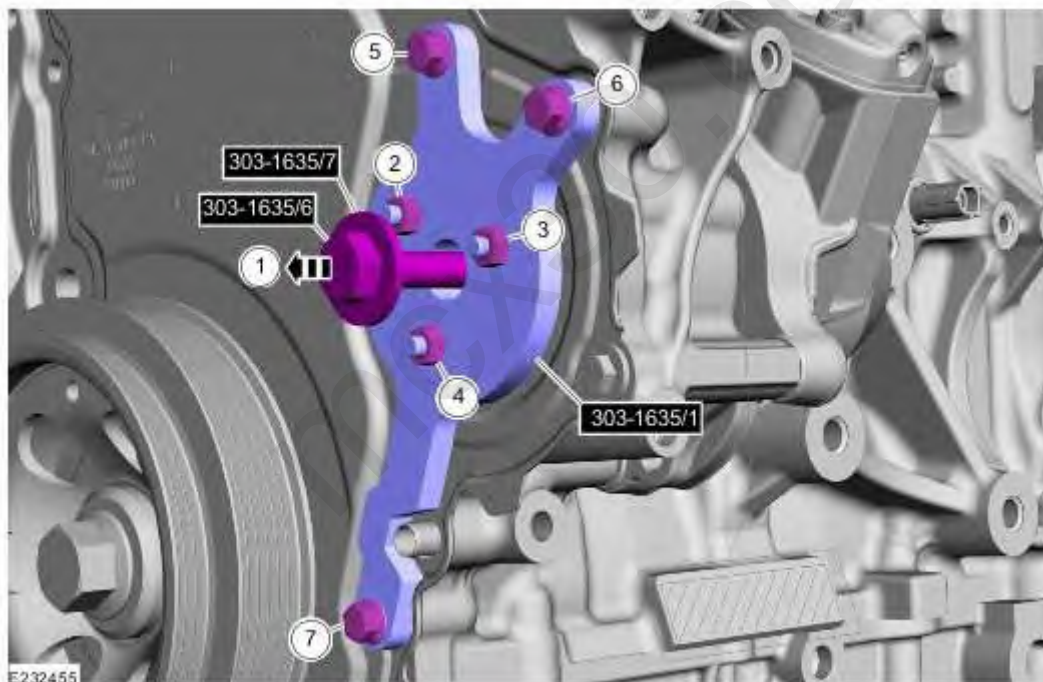


3. NOTE: Make sure that new bolts are installed.
Torque: 23 Nm



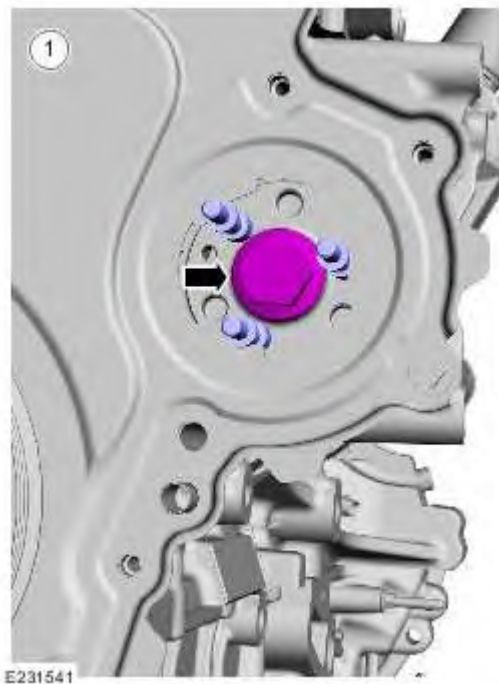
E228081

4. Remove Special Service Tool: 303-1635.



E232455

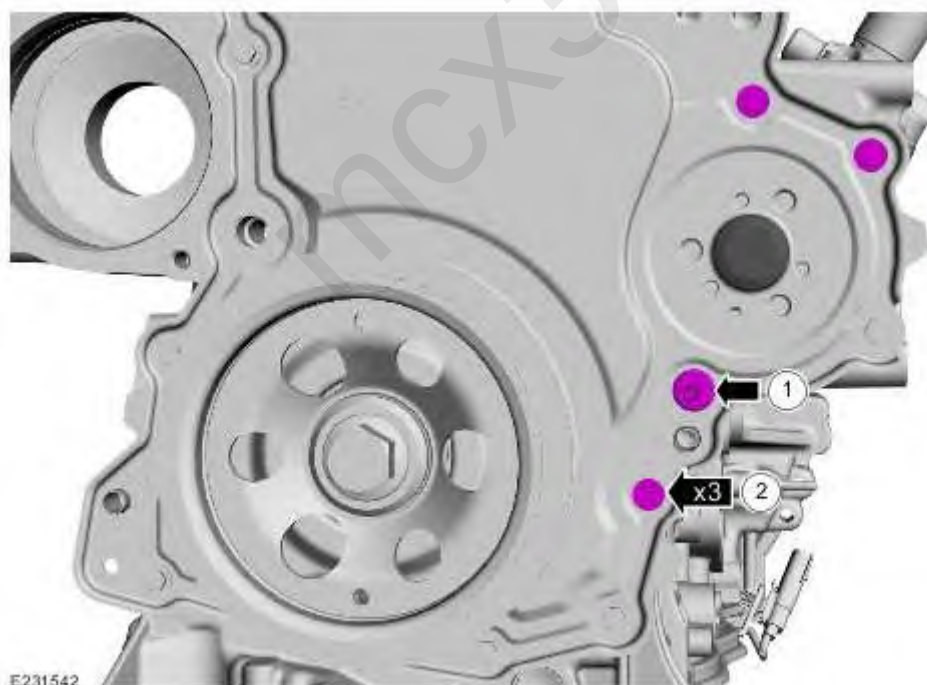
5.
 1. NOTE: Make sure a new bolt is installed.
NOTE: Only tighten the bolt finger tight at this stage.
 2. Remove Special Service Tool: 303-1635.



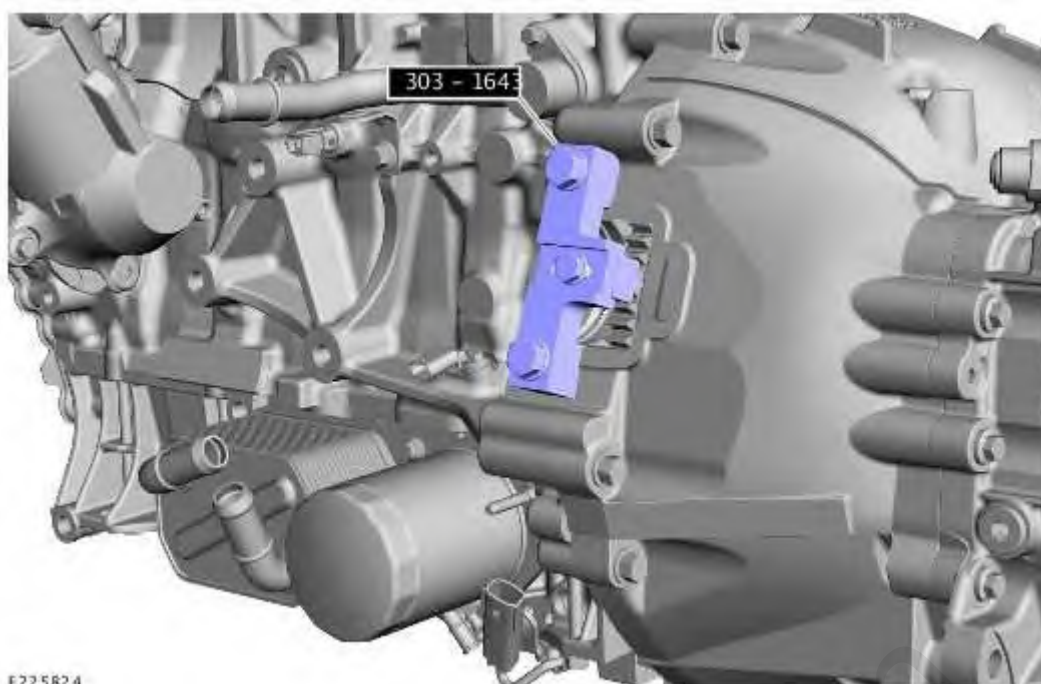
6. **NOTE:** Only tighten the bolts finger tight at this stage.

Torque:

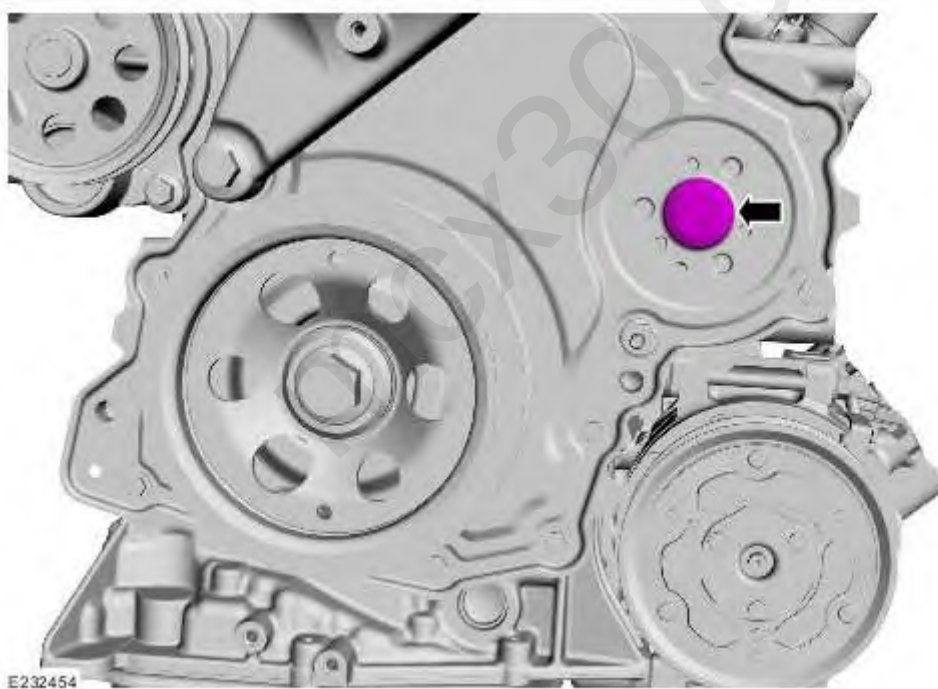
- 1:
 - Stage 1: 5 Nm
 - Stage 2: 18 Nm
- 2:
 - Stage 1: 5 Nm
 - Stage 2: 10 Nm



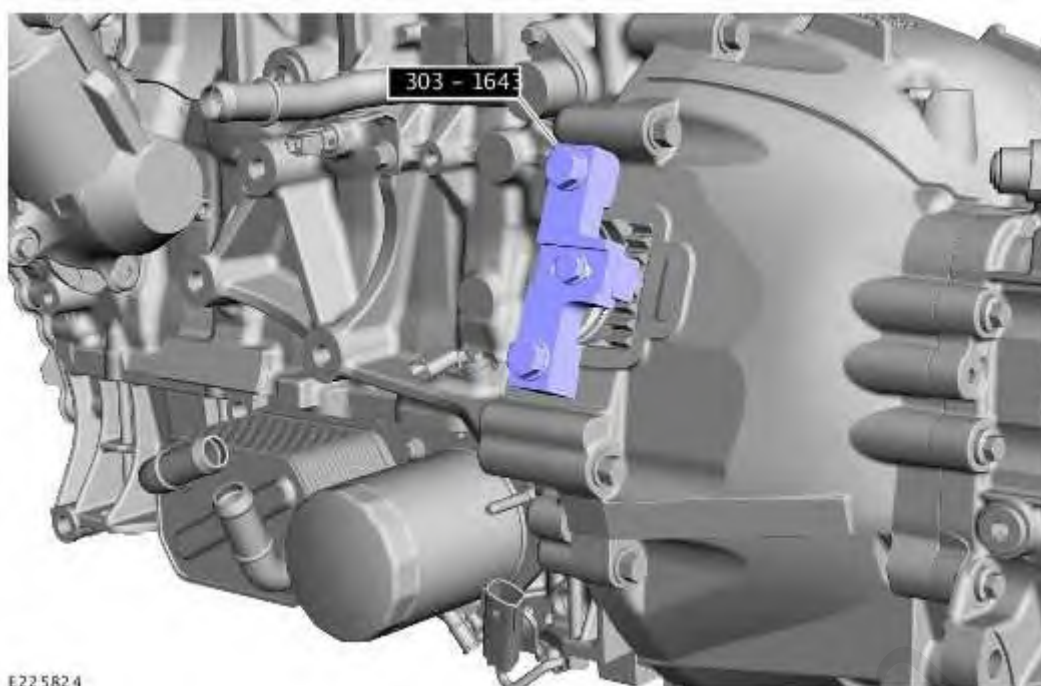
7. Install Special Service Tool: [303-1643](#).



8. *Torque:*
Stage 1: 25 Nm
Stage 2: 75 Nm



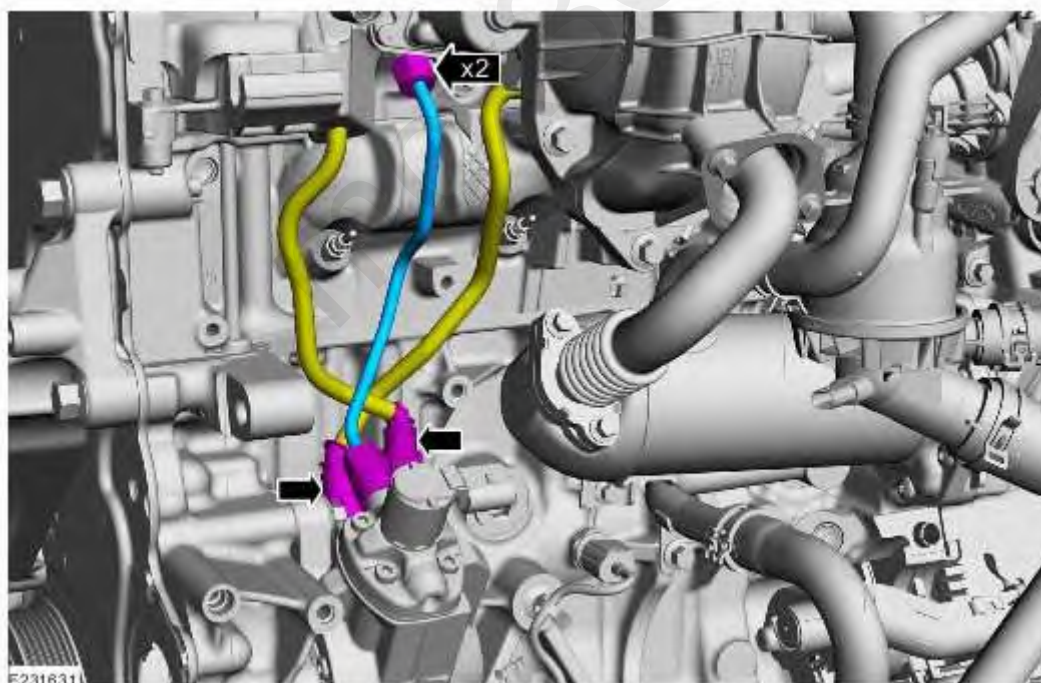
9. *Remove Special Service Tool: 303-1643.*



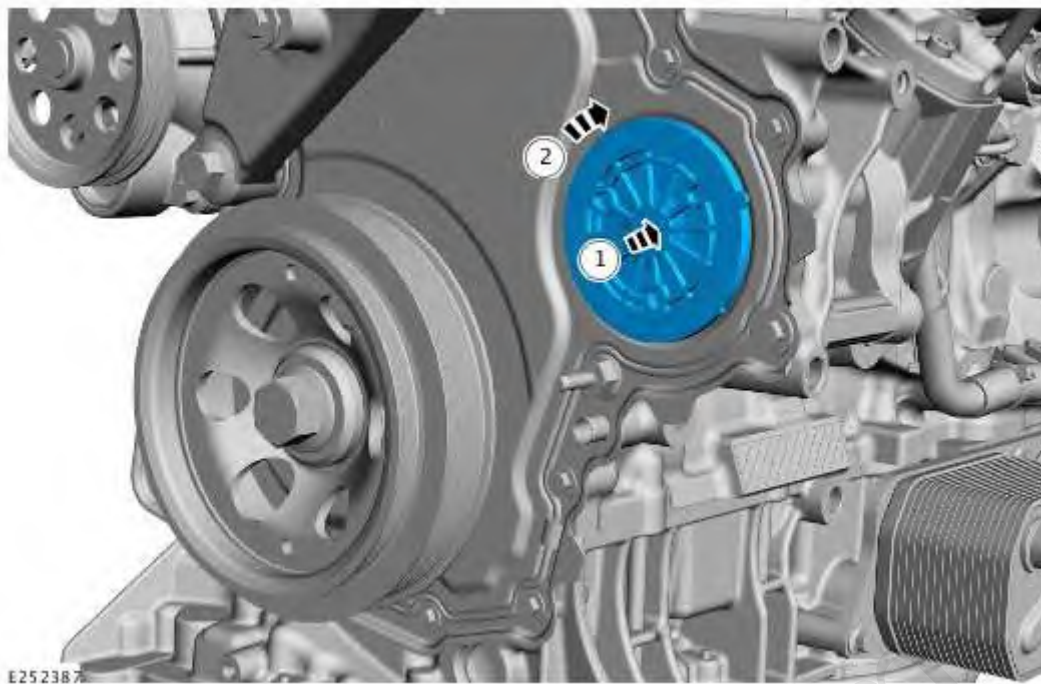
10.  **NOTICE:** Make sure that all openings are sealed with new blanking caps.
NOTE: Only tighten the nuts finger tight.

Torque:

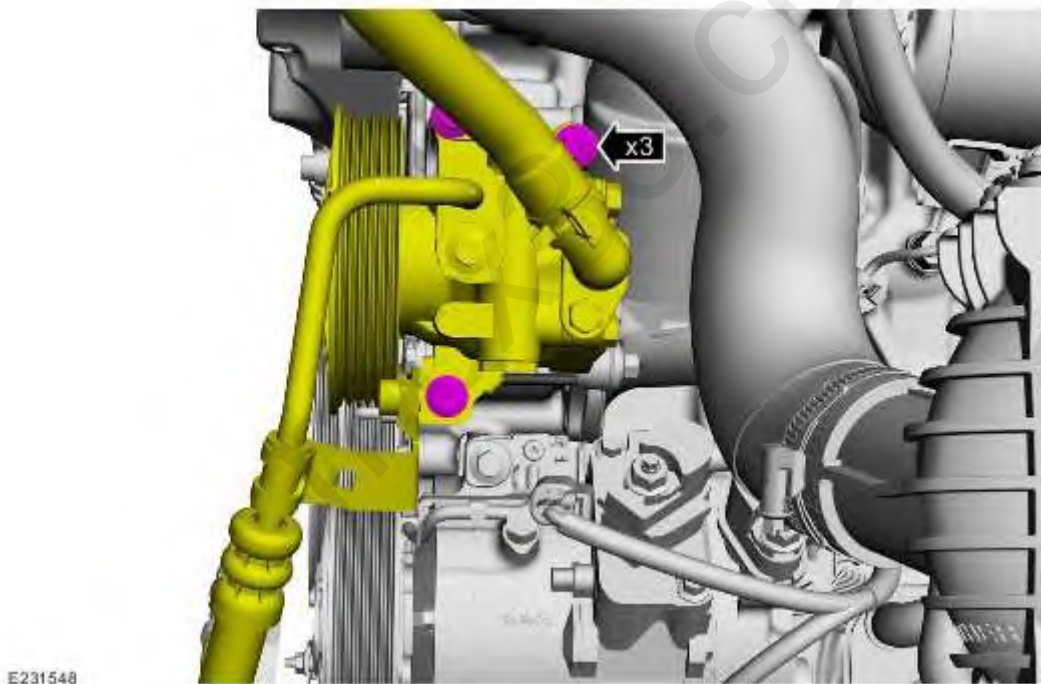
Stage 1: 12 Nm
 Stage 2: 16 Nm
 Stage 3: 50°



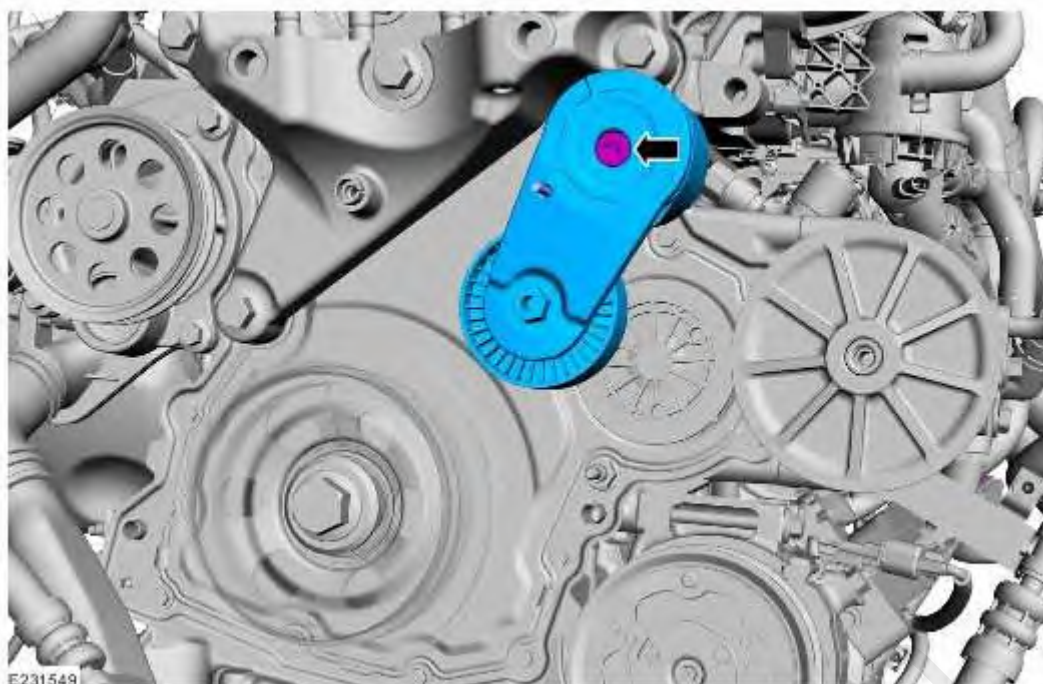
11. **NOTE:** Make sure that a new component is installed.



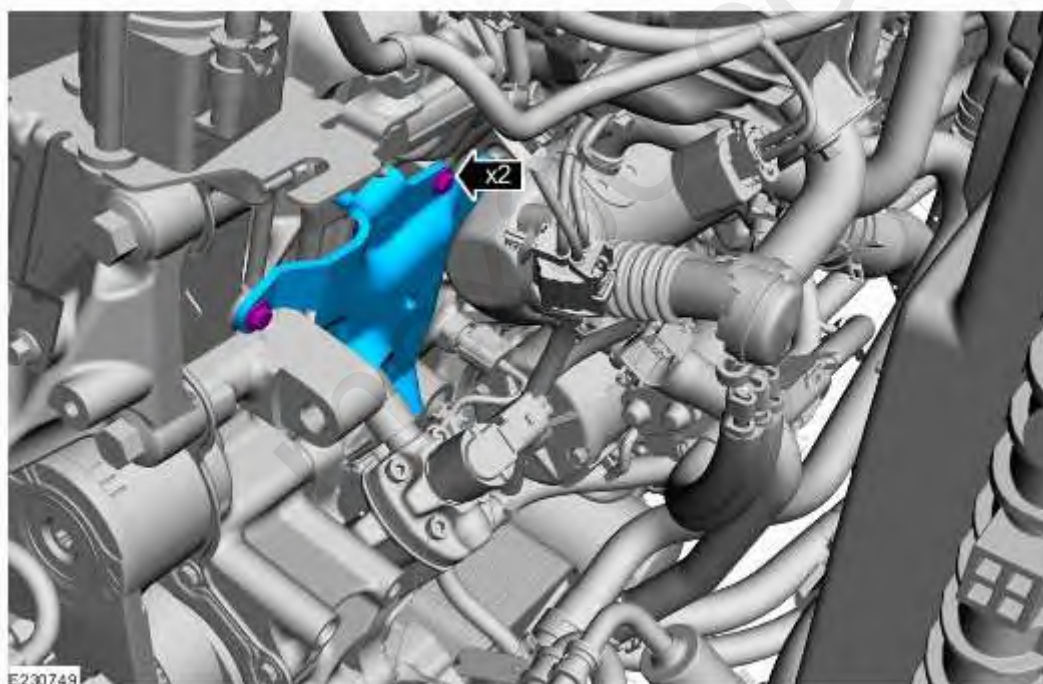
12. Torque: 23 Nm



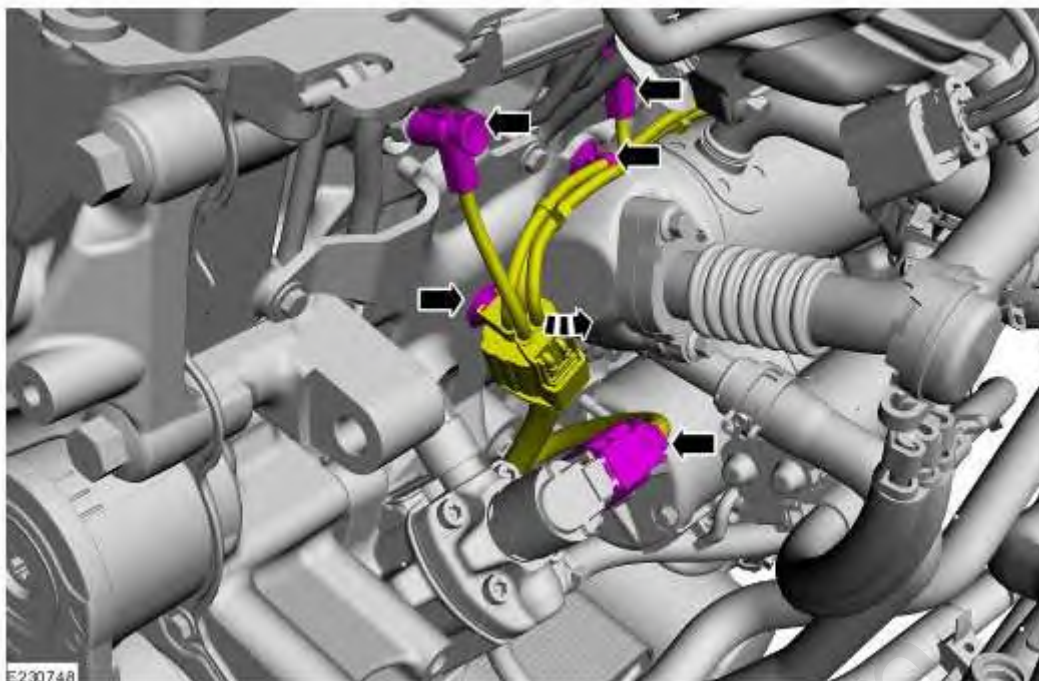
13. Torque: 48 Nm



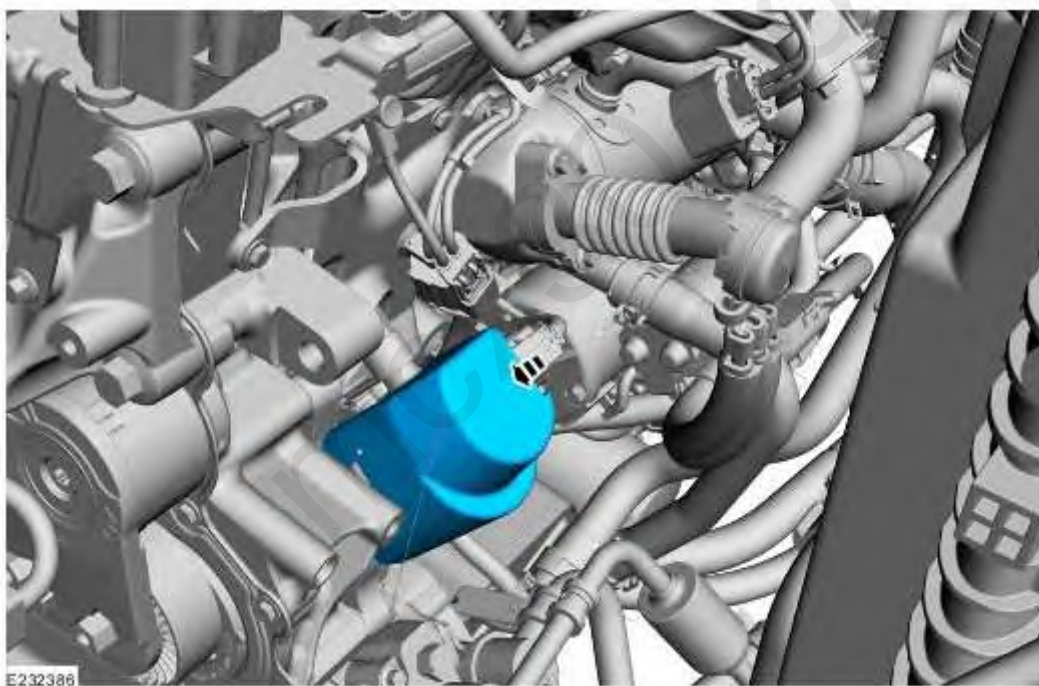
14. Torque: 10 Nm



15.

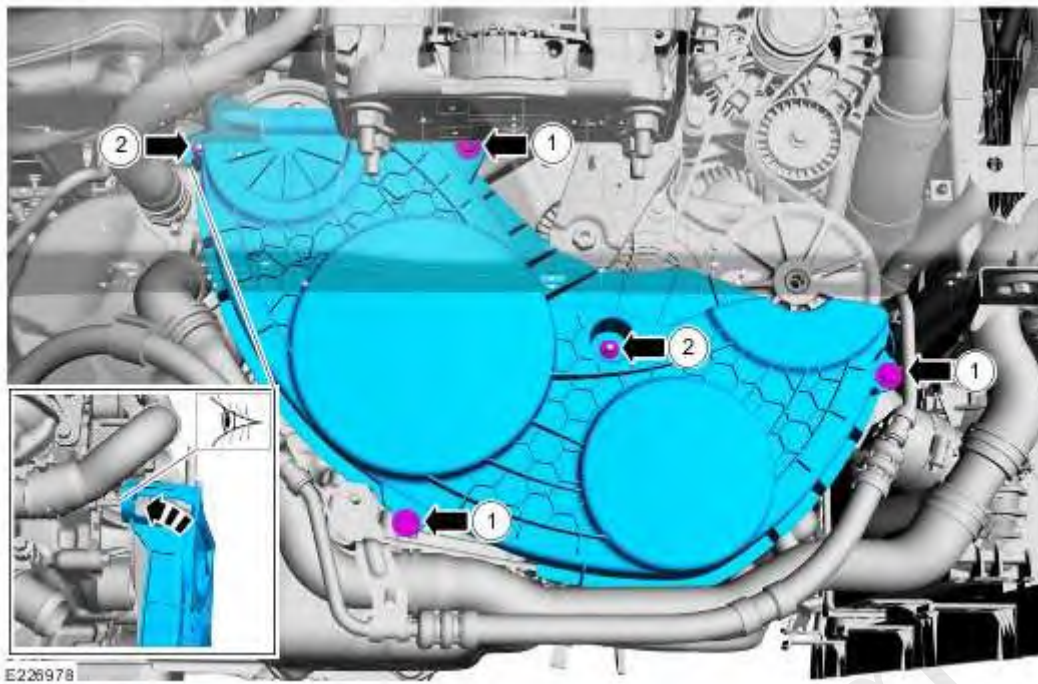


16.

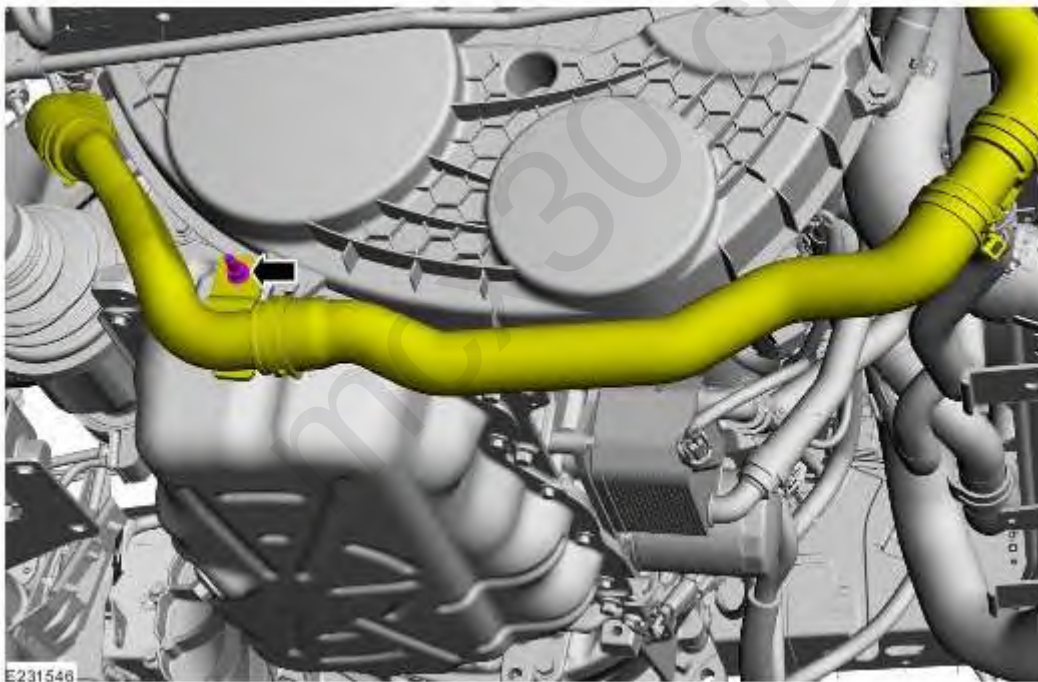


17. Refer to: [Generator - 2.0L EcoBlue \(77kW/105PS\) \(YL\)/2.0L EcoBlue \(96kW/130PS\) \(YM\)/2.0L EcoBlue \(125kW/170PS\) \(YN\)](#) (414-02 Generator and Regulator, Removal and Installation).

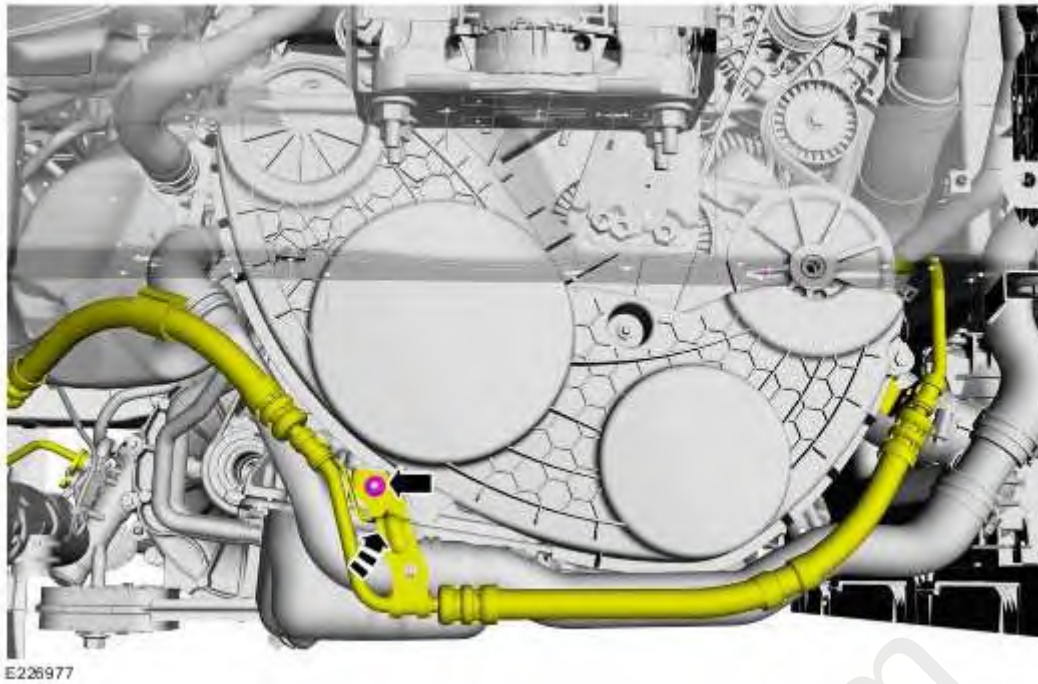
18. *Torque:*
 1: 10 Nm
 2: 10 Nm



19. Torque: 10 Nm



20. Torque: 10 Nm



21. Refer to: [Starter Motor](#) (303-06A Starting System, Removal and Installation).
22. Refer to: [Fuel System Bleeding](#) (310-00A Fuel System - General Information, General Procedures).
23. Reset the High-Pressure Fuel System Learned Values.

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