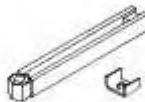
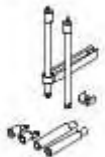
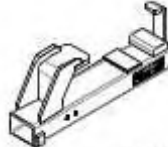
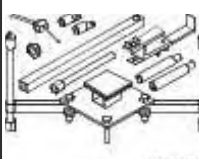


Removal and Installation

Special Tool(s)

 E128768	303-1554 Engine Support Bar
 E188155	303-1554-07 Adapter for 303-1554, Engine Support Bar
 E188156	303-1554-08 Adapter for 303-1554, Engine Support Bar
 E224684	303-1554-09 Adapter for 303-1554, Engine Support Bar
 E42950	303-290A-15 Adapter for 303-290A

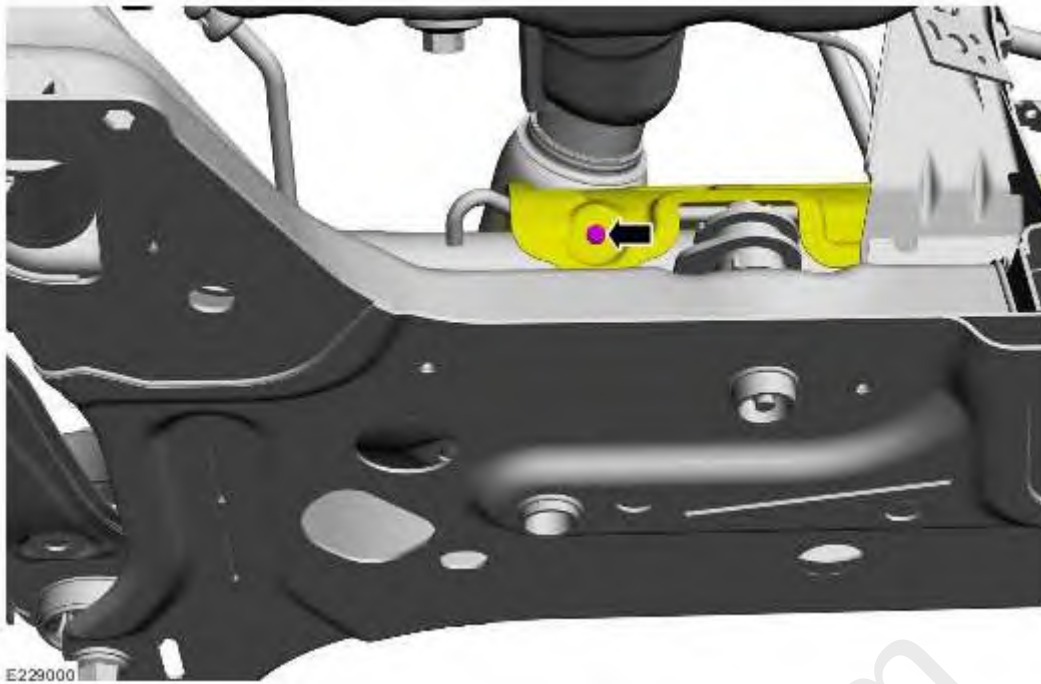
Materials

Name	Specification
Grease	WSD-M1C227-A

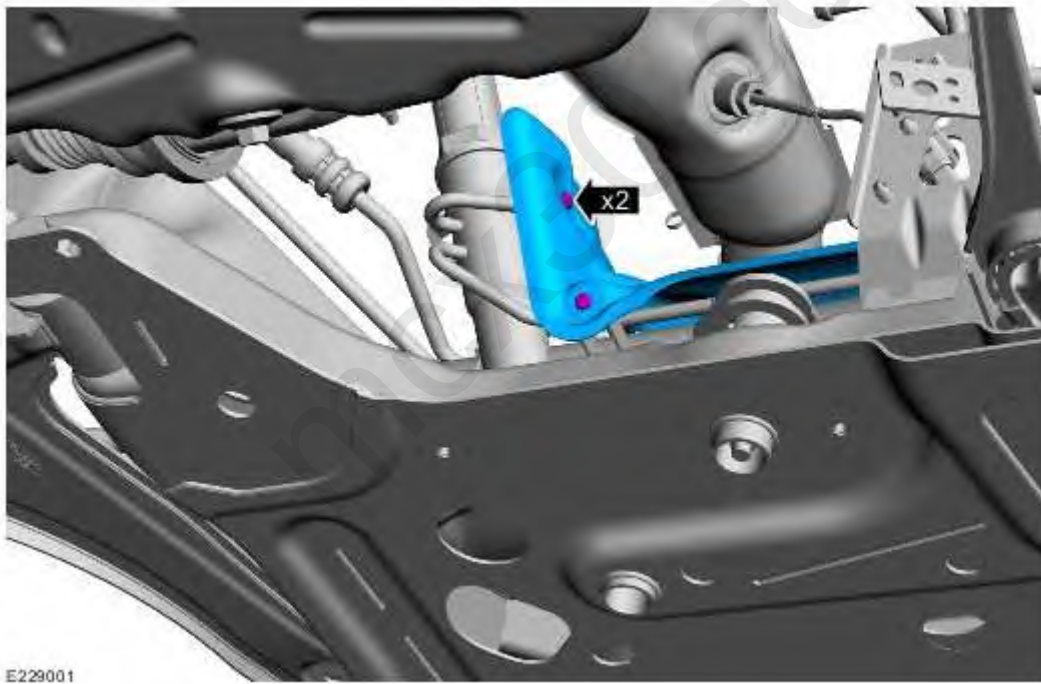
Removal

NOTE: Removal steps in this procedure may contain installation details.

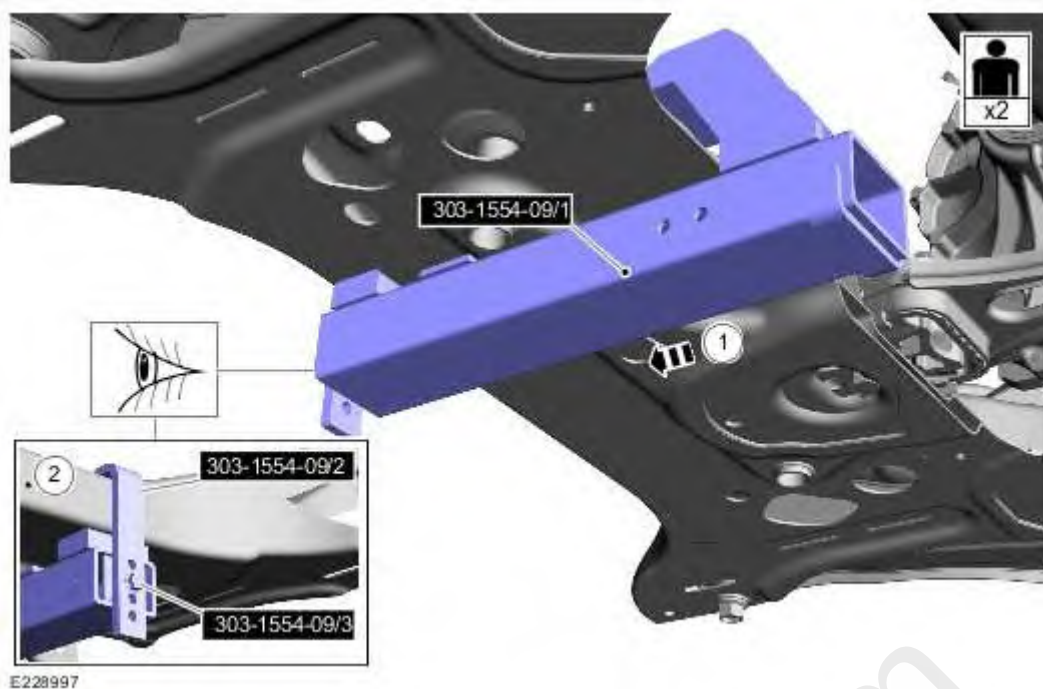
1. Refer to: [Cooling System Draining, Vacuum Filling and Bleeding](#) (303-03A Engine Cooling, General Procedures).
2. Refer to: [Coolant Pump Belt](#) (303-05A Accessory Drive, Removal and Installation).
3. *Torque:* Nm



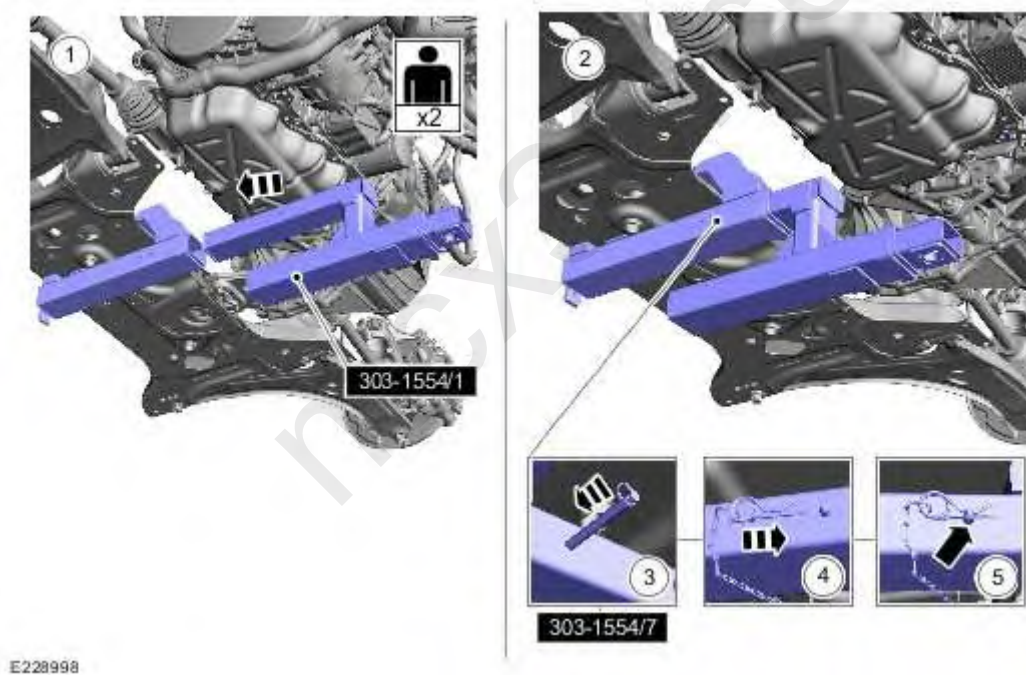
4. Torque: Nm



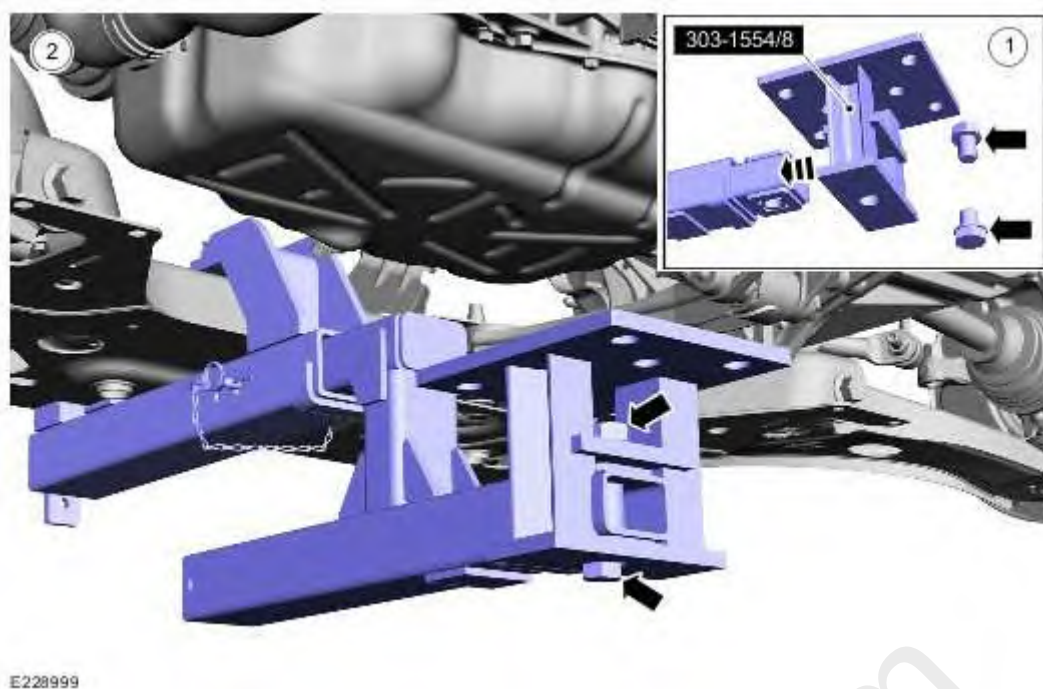
5. **NOTE:** The component must be installed by hand before final tightening.
Use Special Service Tool: [303-1554-09](#).
Torque: 36 Nm



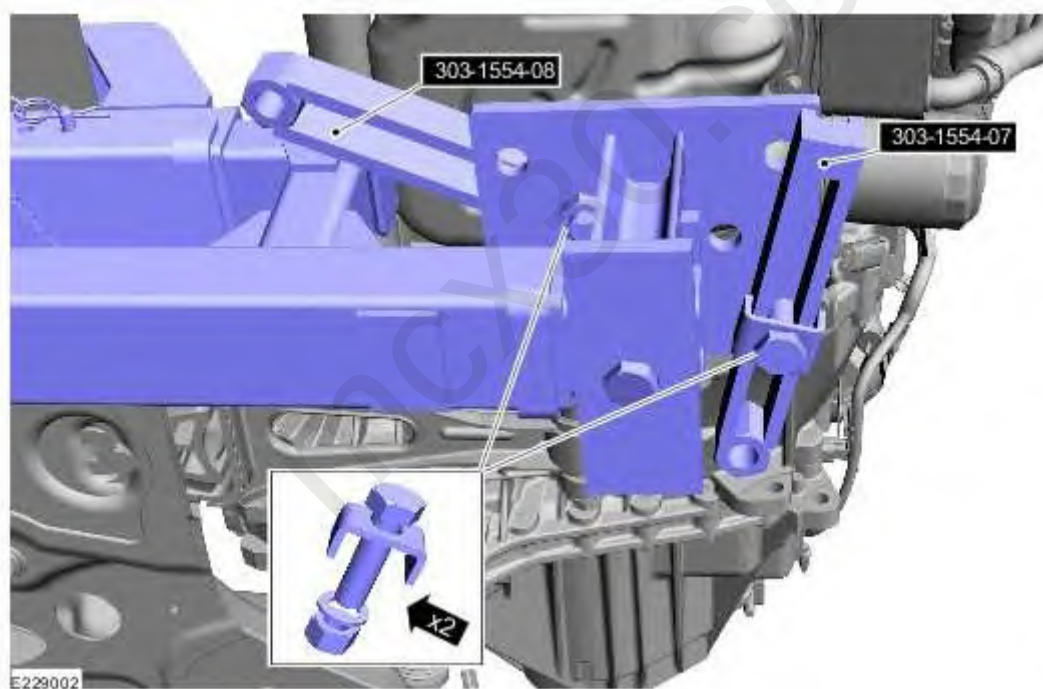
6. Use Special Service Tool: [303-1554](#).



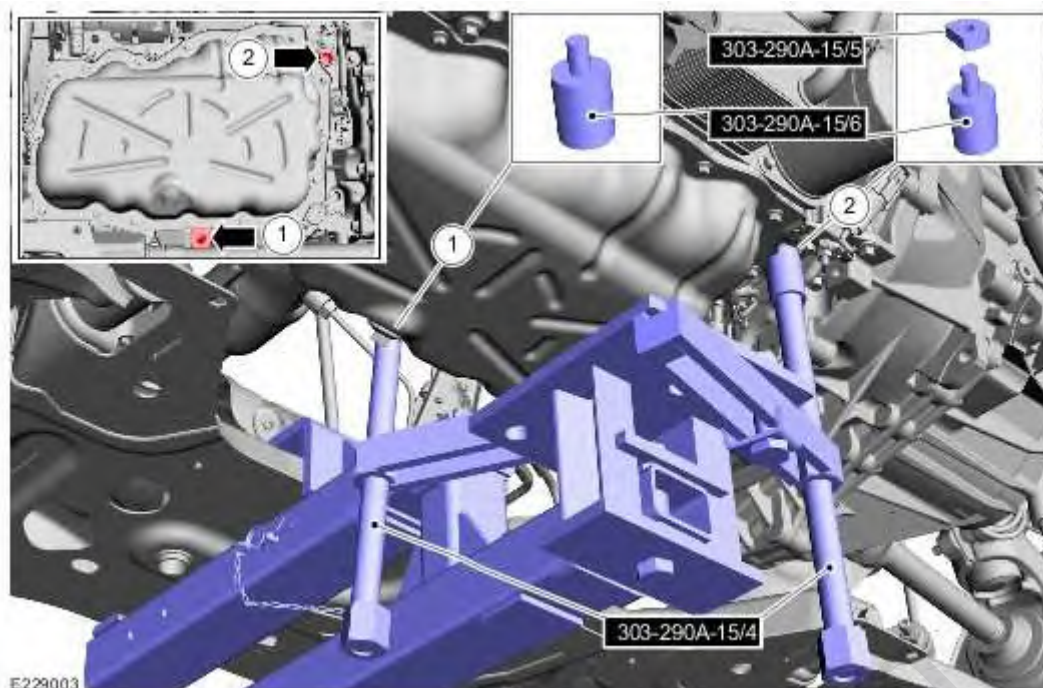
7. **NOTE:** The component must be installed by hand before final tightening.
Use Special Service Tool: [303-1554](#).



8. Use Special Service Tools: [303-1554-08](#), [303-1554-07](#).



9. Install Special Service Tool: [303-290A-15](#).

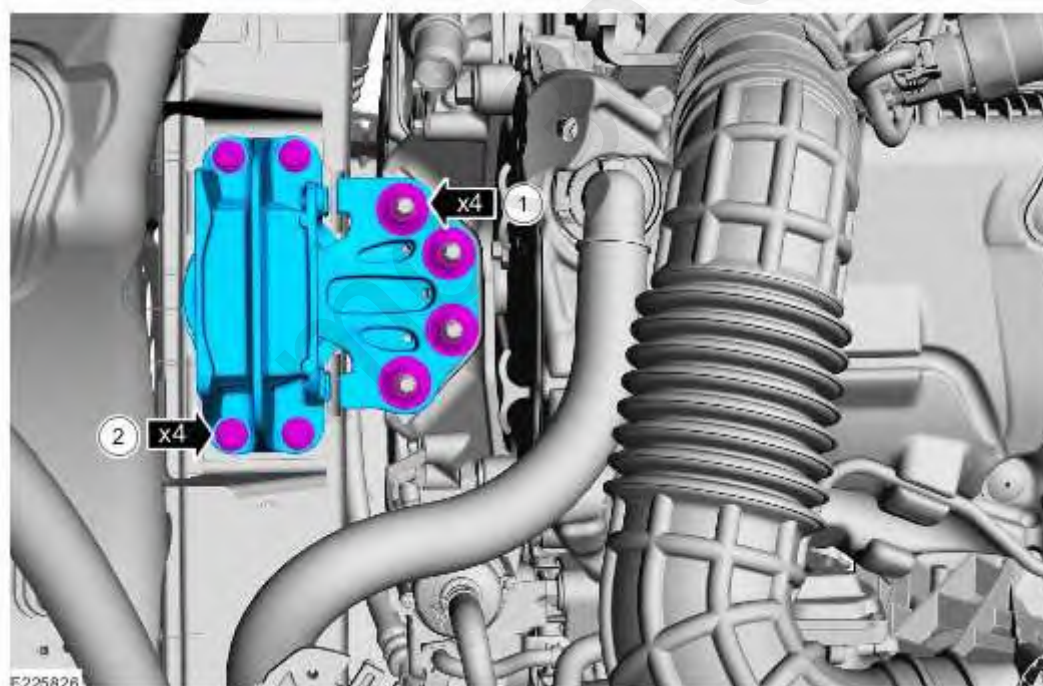


10. NOTE: Only tighten the nuts and bolts finger tight at this stage.

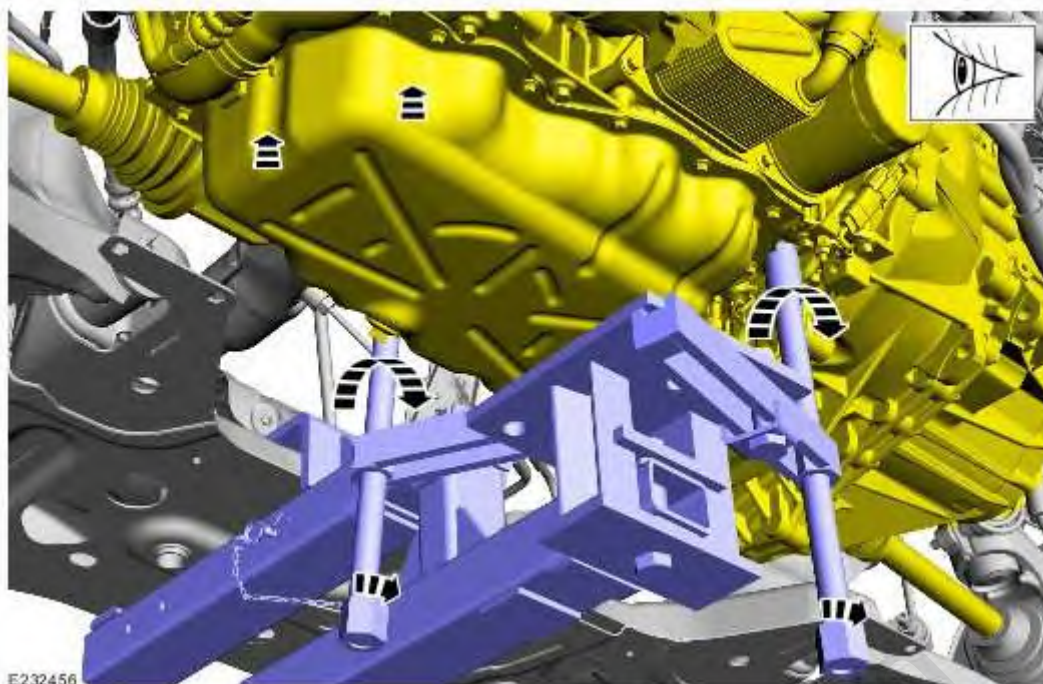
Torque:

1 115 Nm

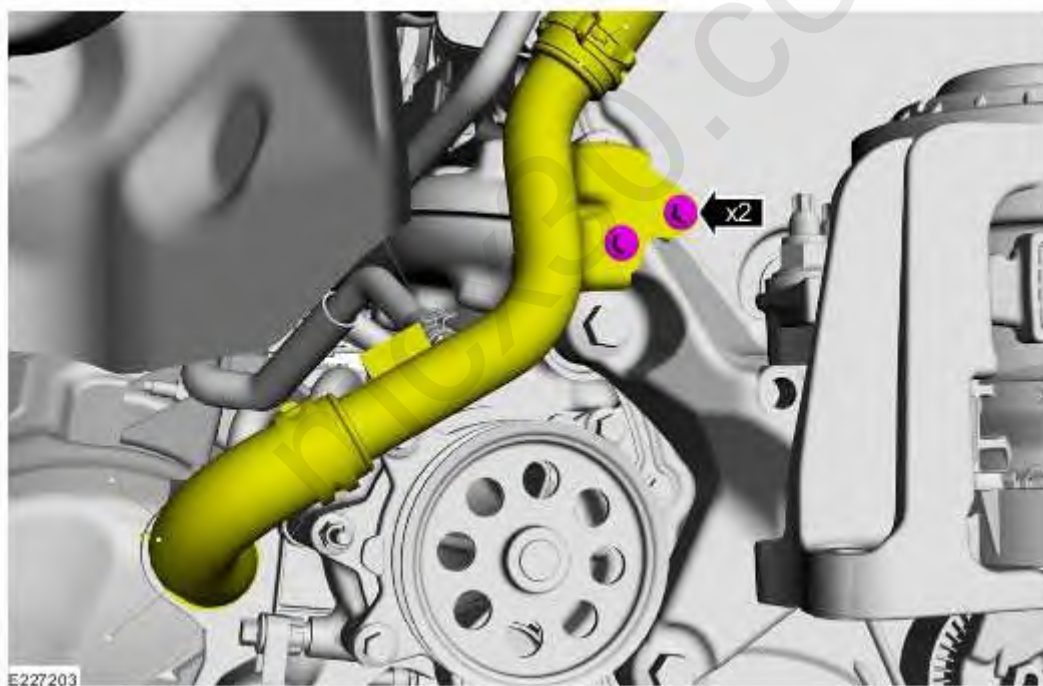
2 70 Nm



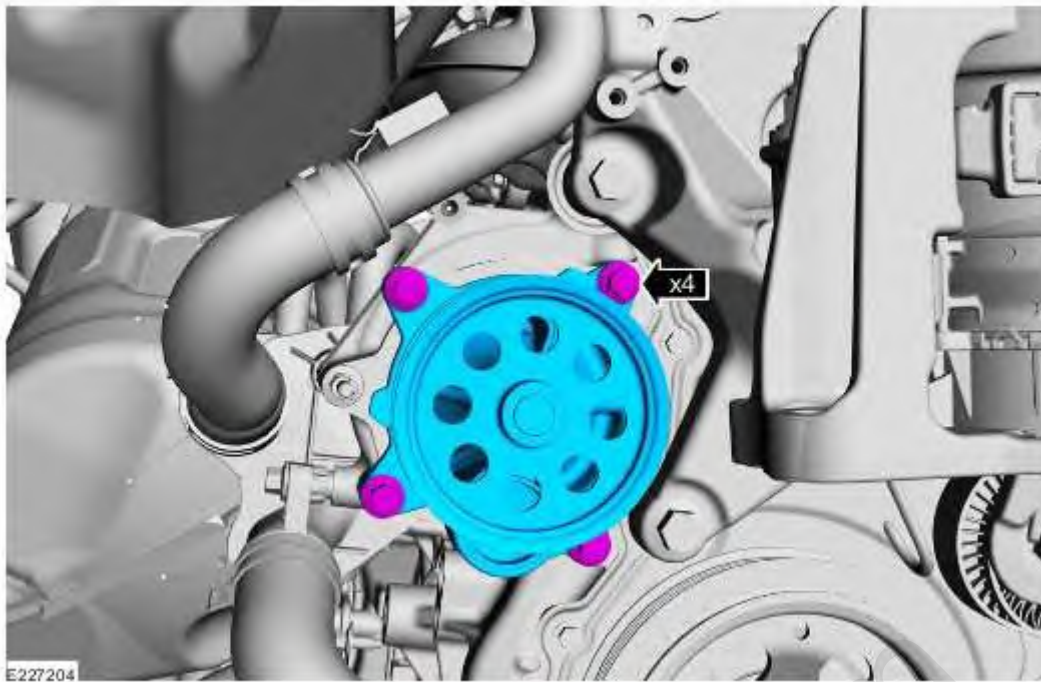
11. NOTE: Make sure that no components catch.



12. Torque: 10 Nm



13. Torque: 25 Nm



14. **NOTE:** Make sure a new component is installed.

Apply a thin coating.

Material: [WSD-M1C227-A \(Grease\)](#)



Installation

1. To install, reverse the removal procedure.