

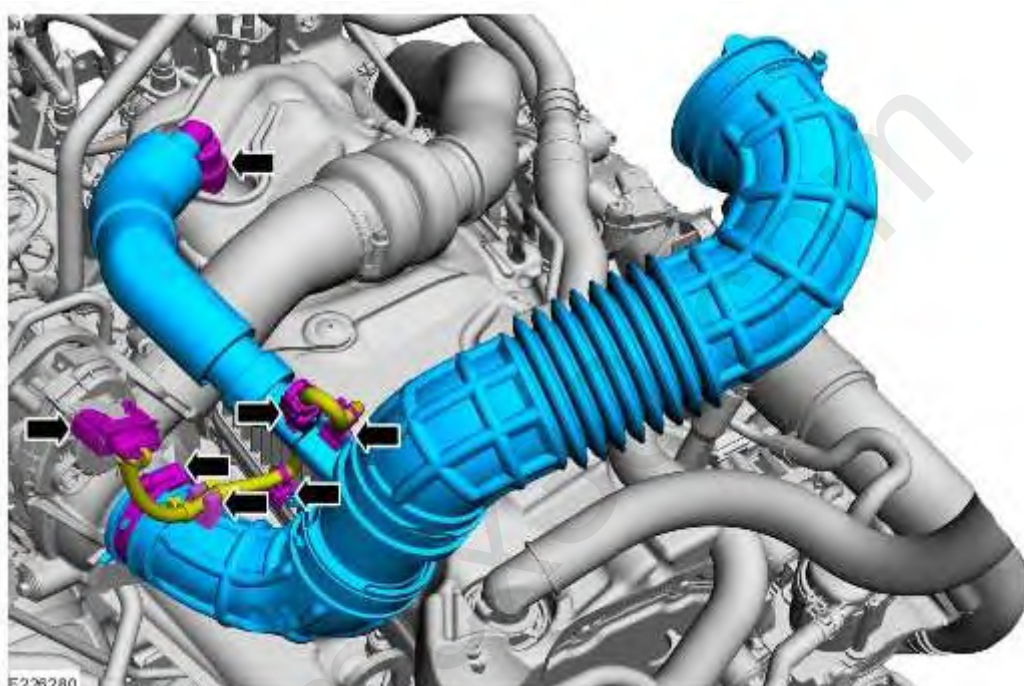
## Removal and Installation

### Materials

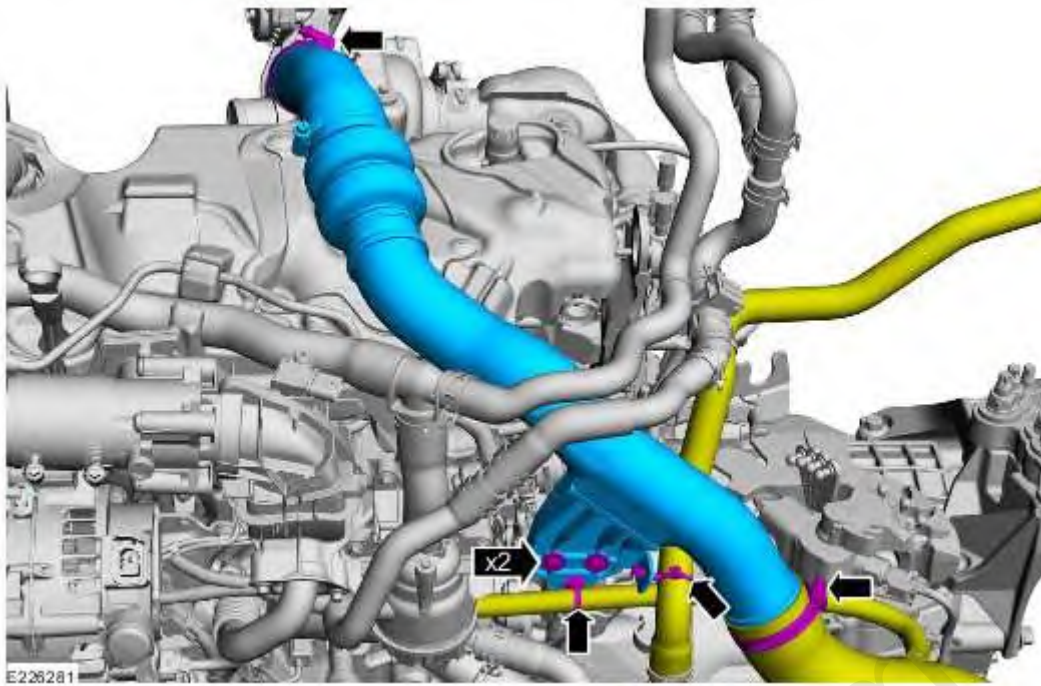
| Name          | Specification |
|---------------|---------------|
| Brake Cleaner | -             |
| Grease        | WSD-M1C227-A  |

### Removal

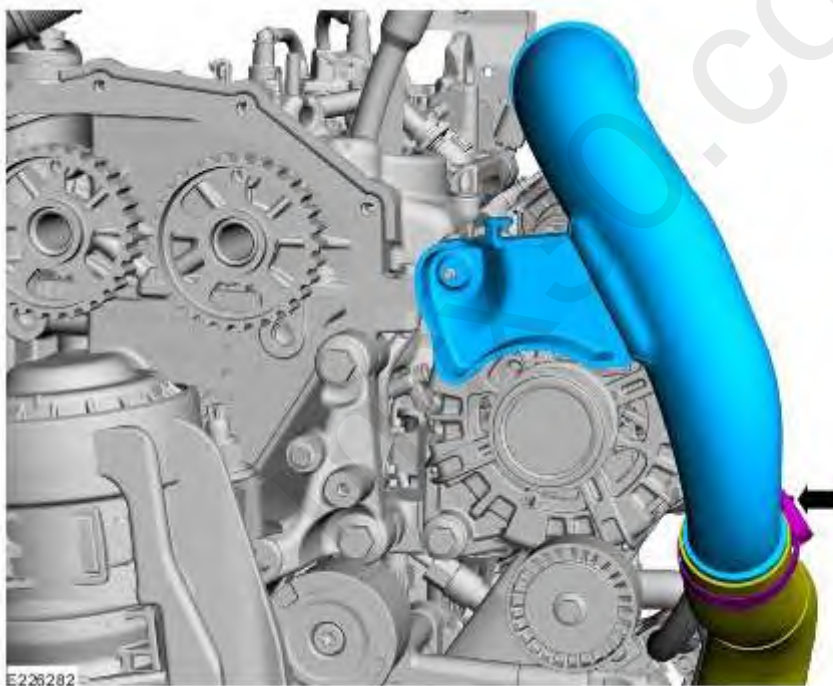
1. Refer to: [Timing Belt](#) (303-01A Engine, Removal and Installation).
- 2.



- 3.

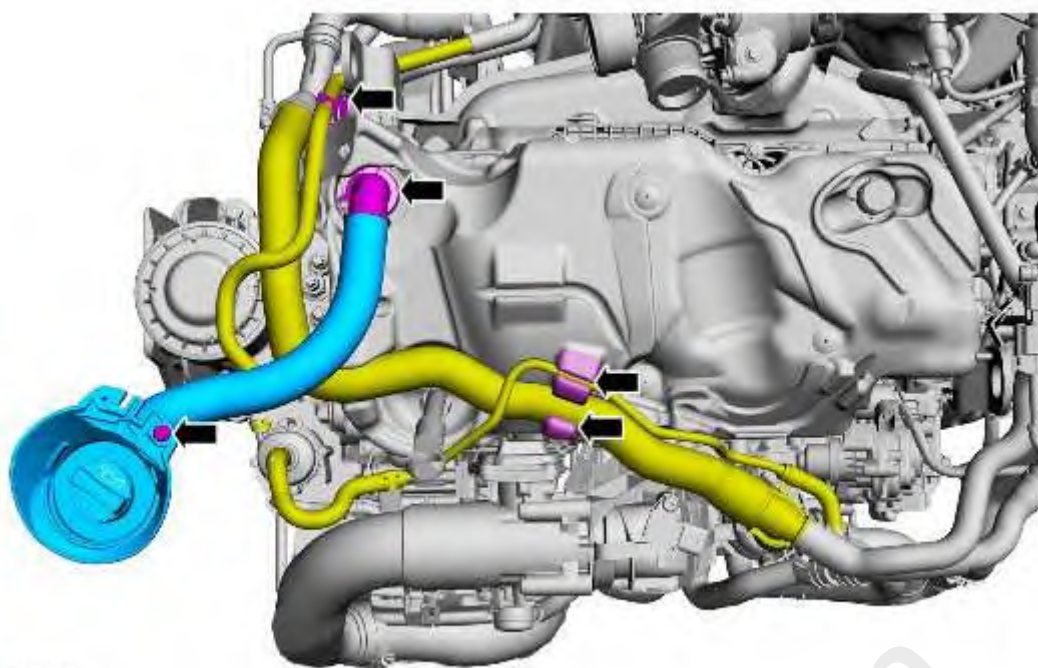


4.



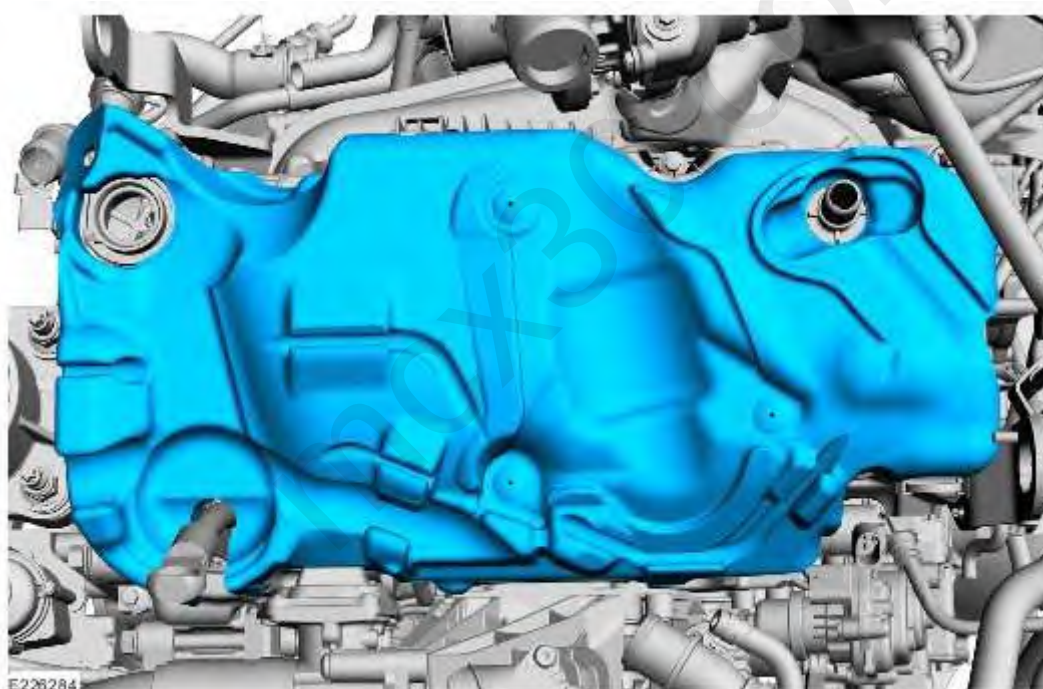
5. **NOTE:** Use suitable paper to absorb any escaping fluid.

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



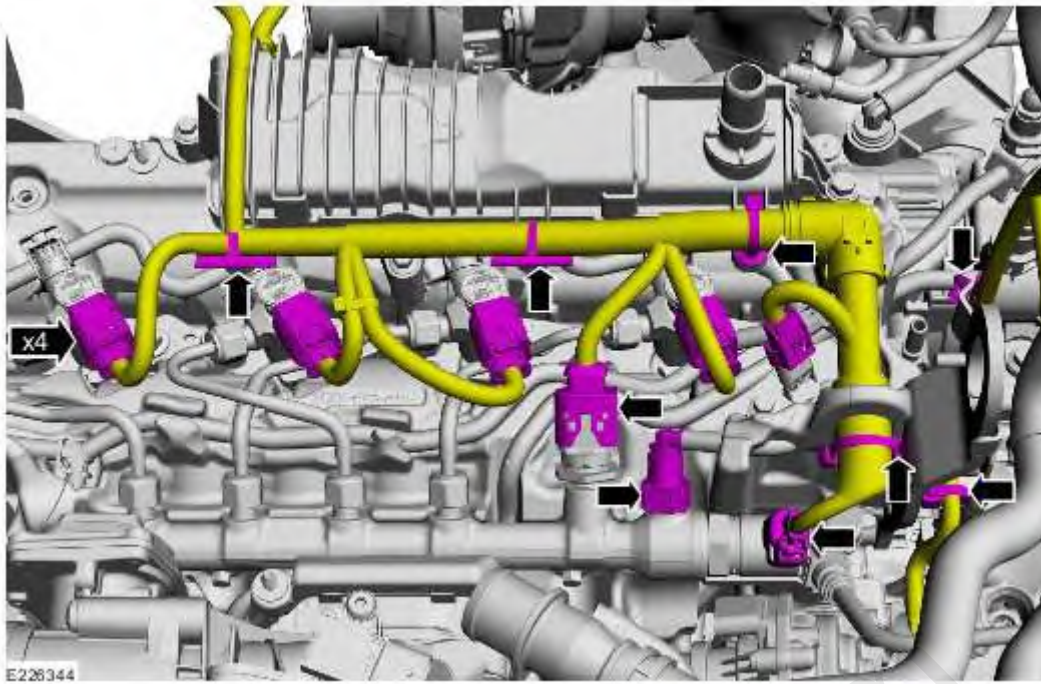
E226283

6.



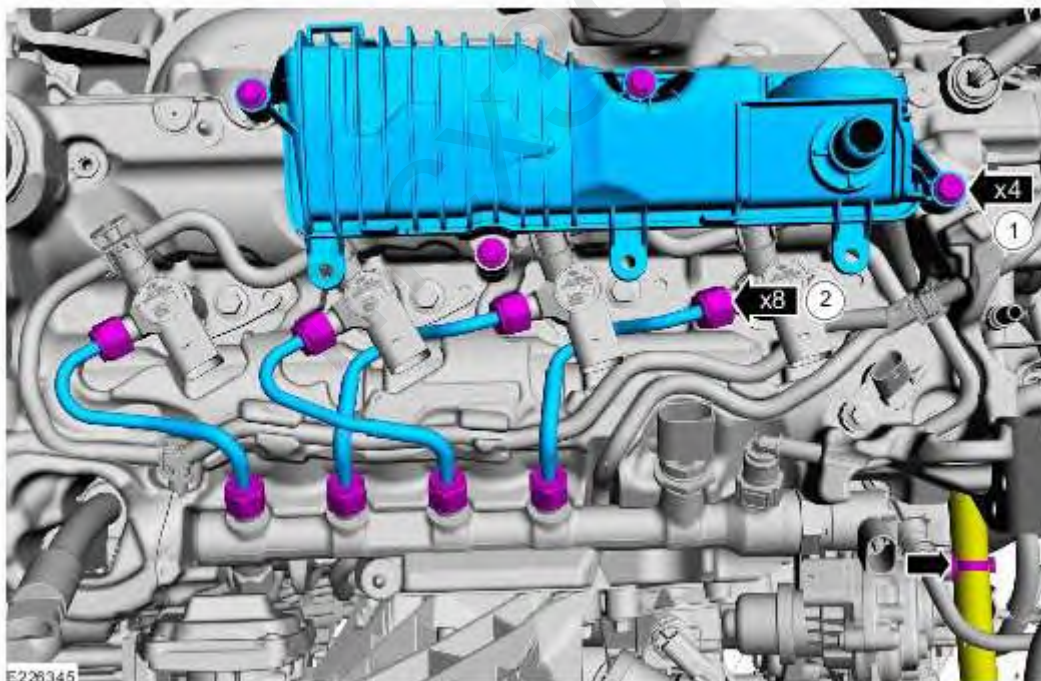
E226284

7.



8. NOTICE:

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

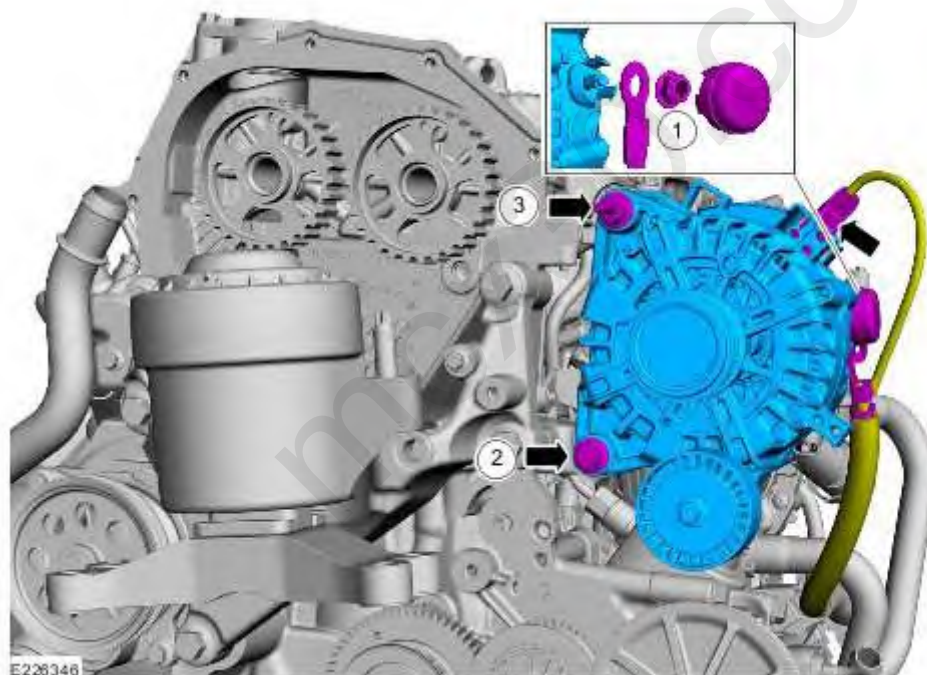


9.



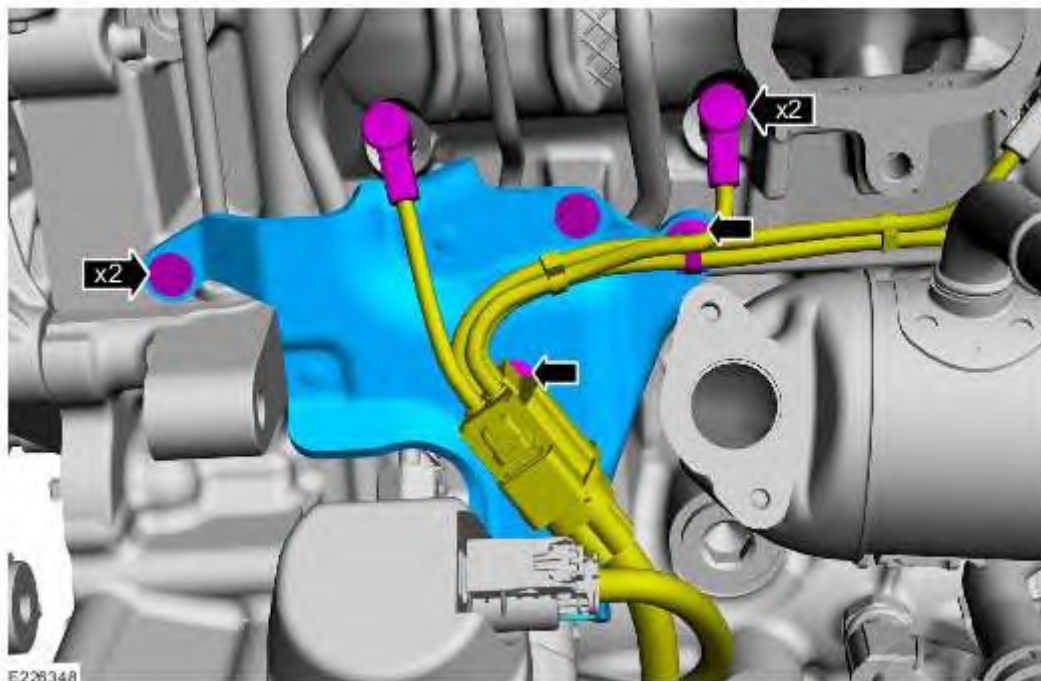
E174480

10.



E228346

11.

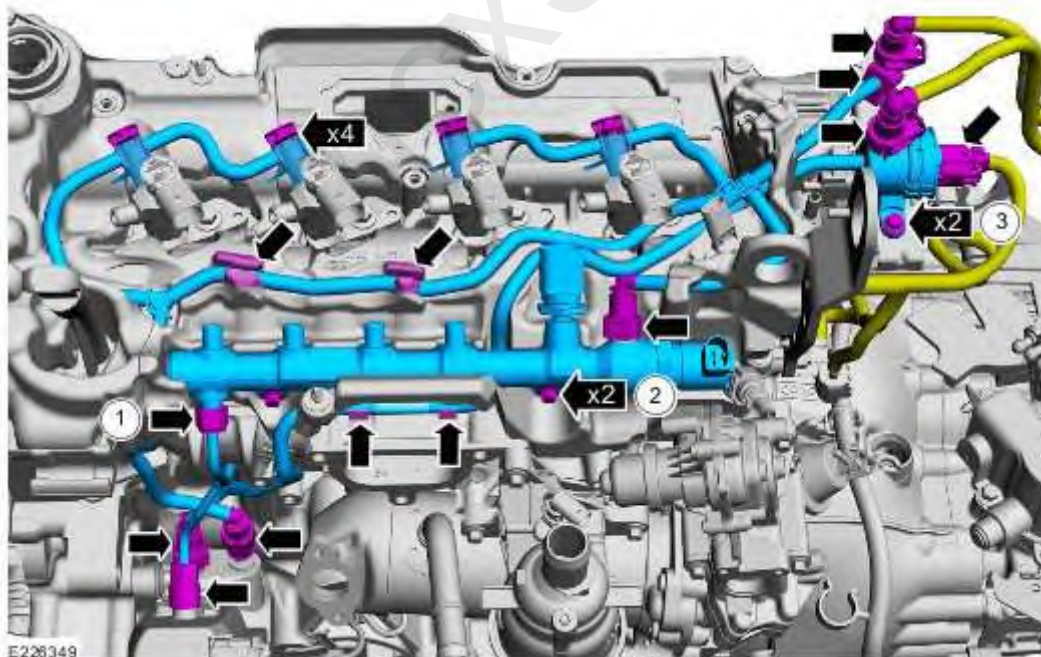


12. NOTICE:

⚠ Extreme cleanliness must be exercised when handling the components.

⚠ Make sure that all openings are sealed with clean blanking caps.  
NOTE: Use suitable paper to absorb any escaping fluid.

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

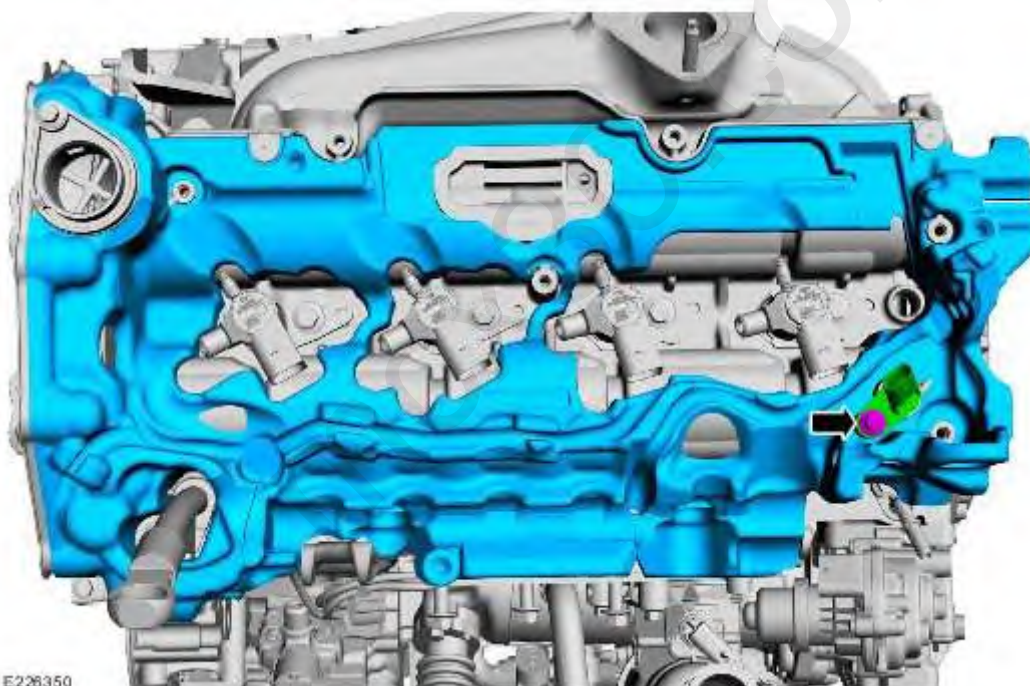


13.



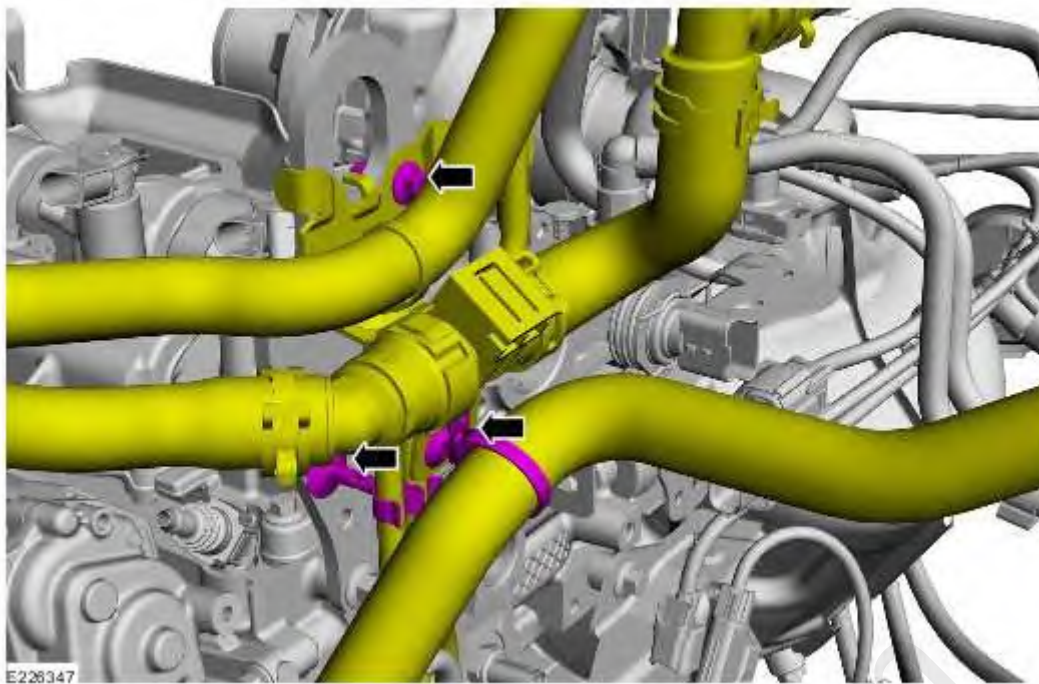
E175734

14.

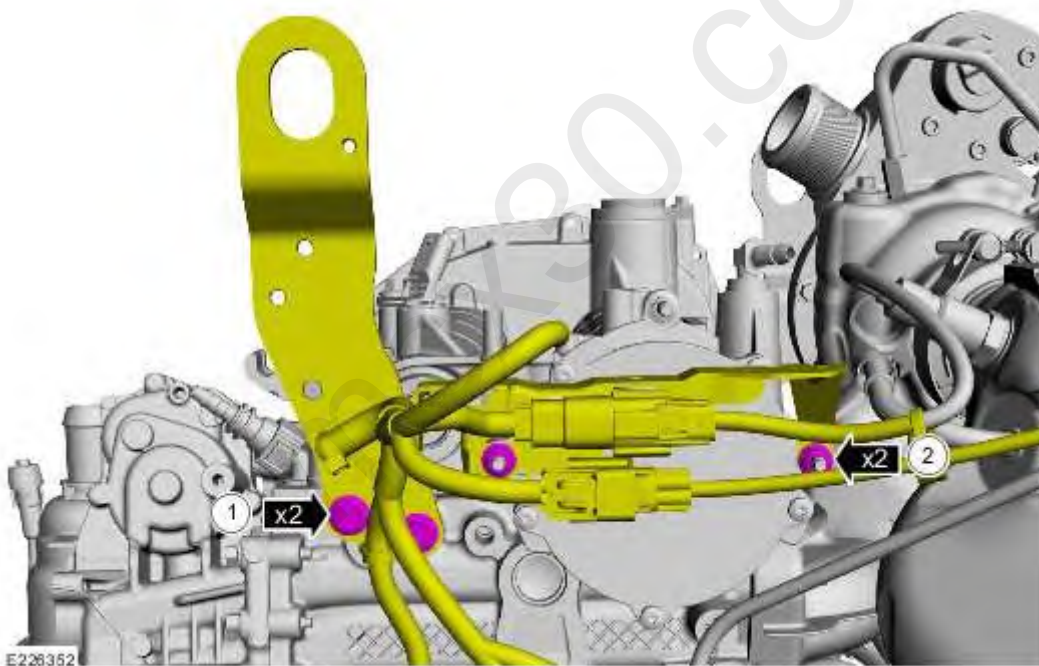


E228350

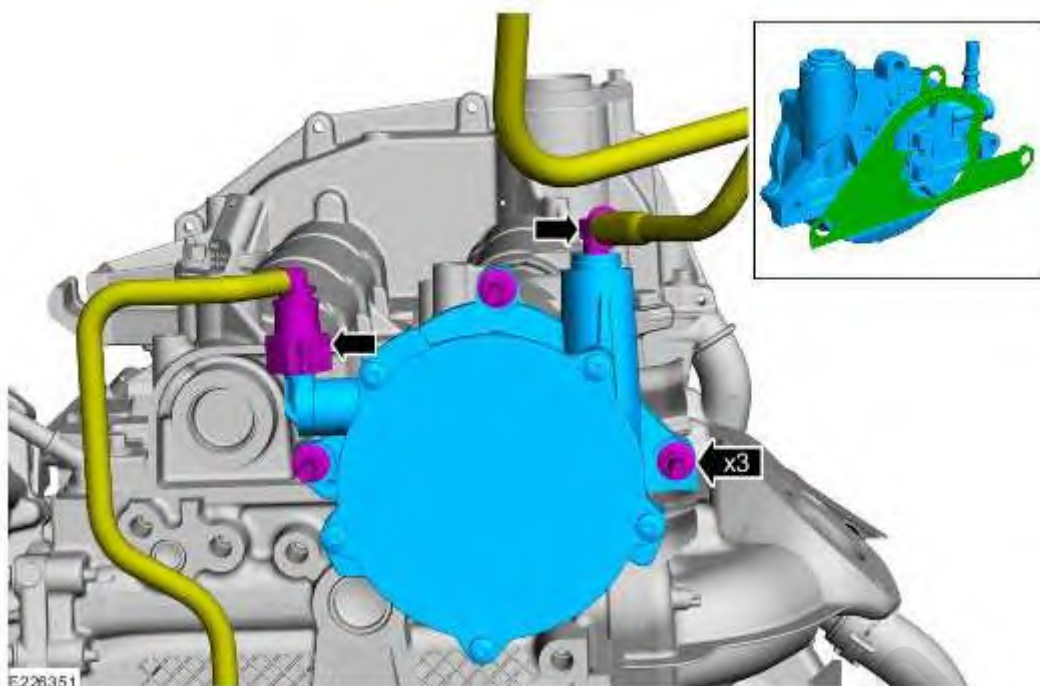
15.



16.

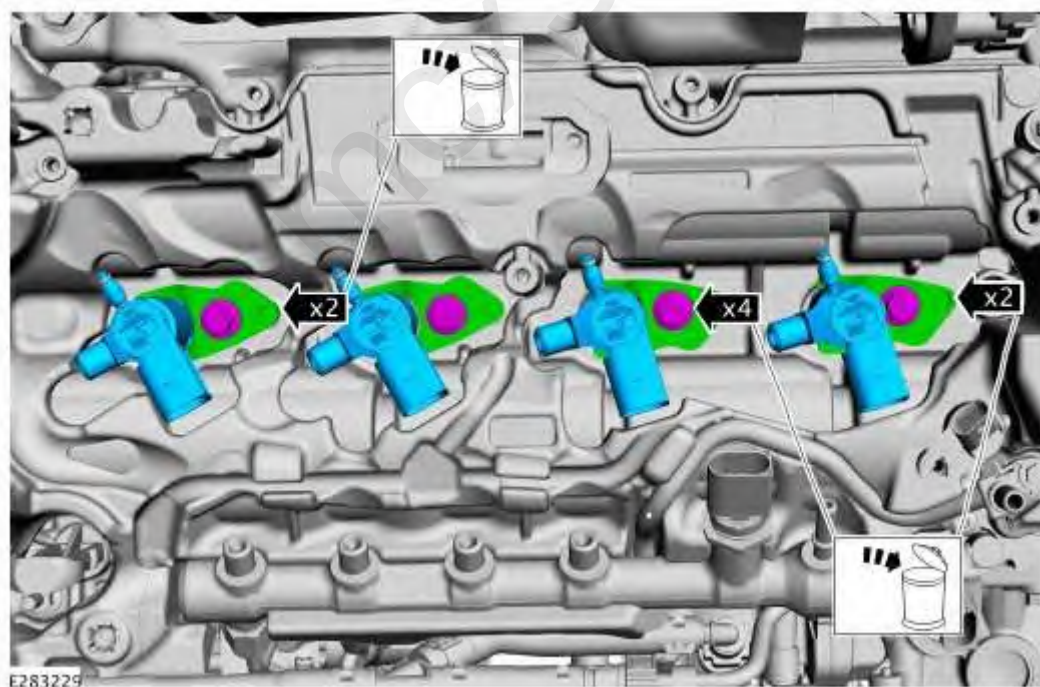


17. Refer to: [Quick Release Coupling](#) (310-00A Fuel System - General Information, General Procedures).

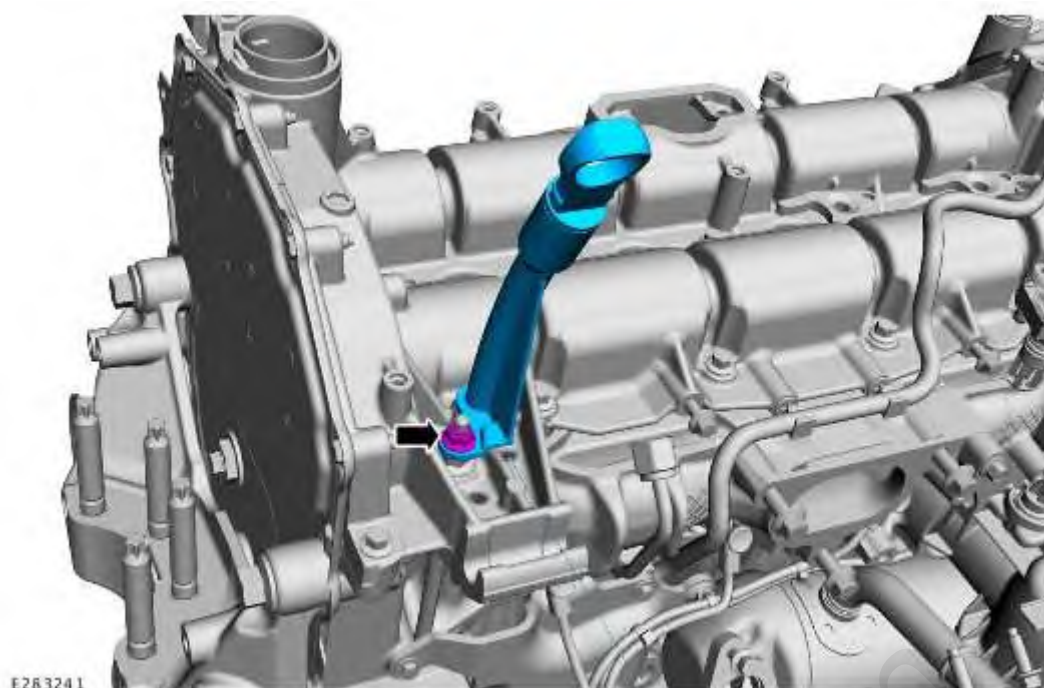


18. NOTICE:

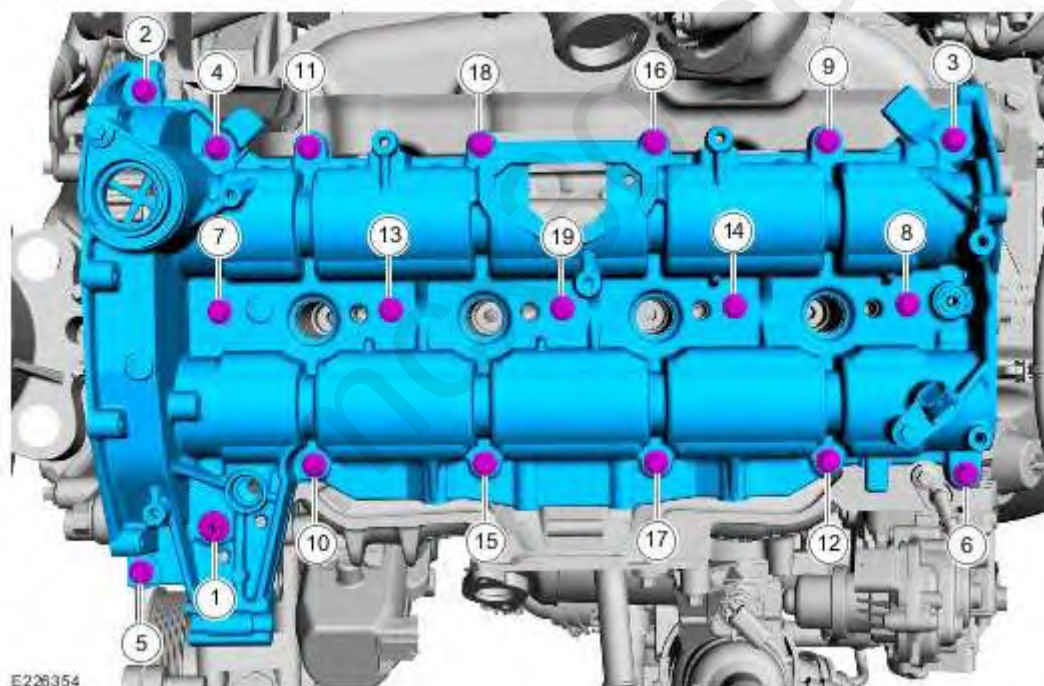
- ⚠ Extreme cleanliness must be exercised when handling the components.
  - ⚠ Make sure that the area around the component is clean and free of foreign material.
- NOTE: Discard the bolts.
- NOTE: Note the position of the components before removal.
- Discard the clamps.



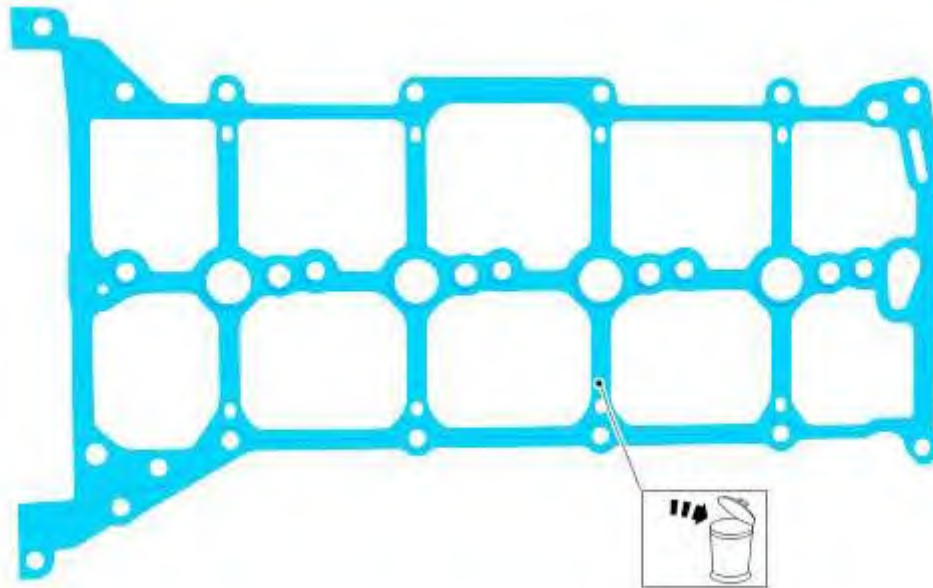
19.



20. **NOTE:** Make sure that the component is at ambient air temperature.  
Loosen each bolt 2 turns at a time until all bolts are removed.



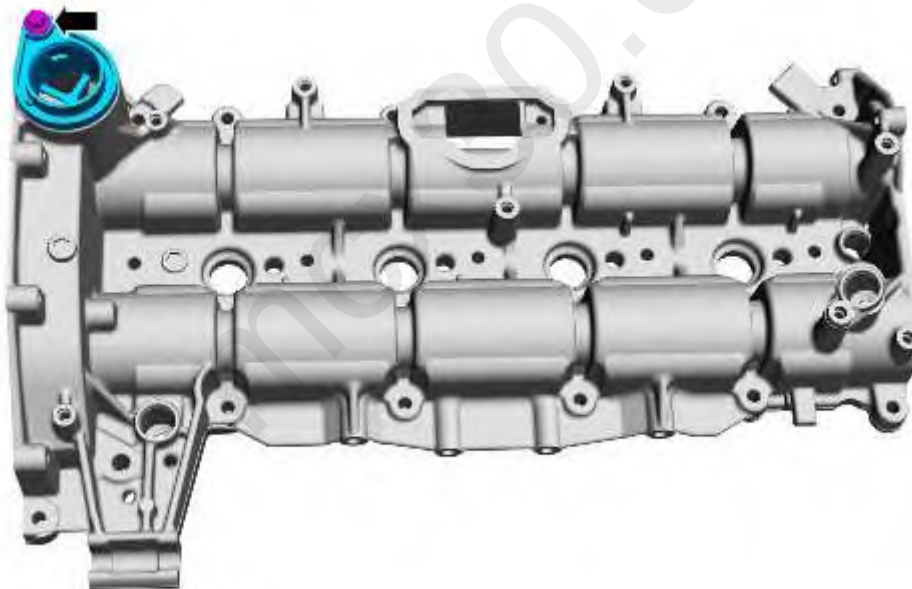
- 21.



E226359

22. NOTE: This step is only necessary when installing a new component.

Torque: 10 Nm

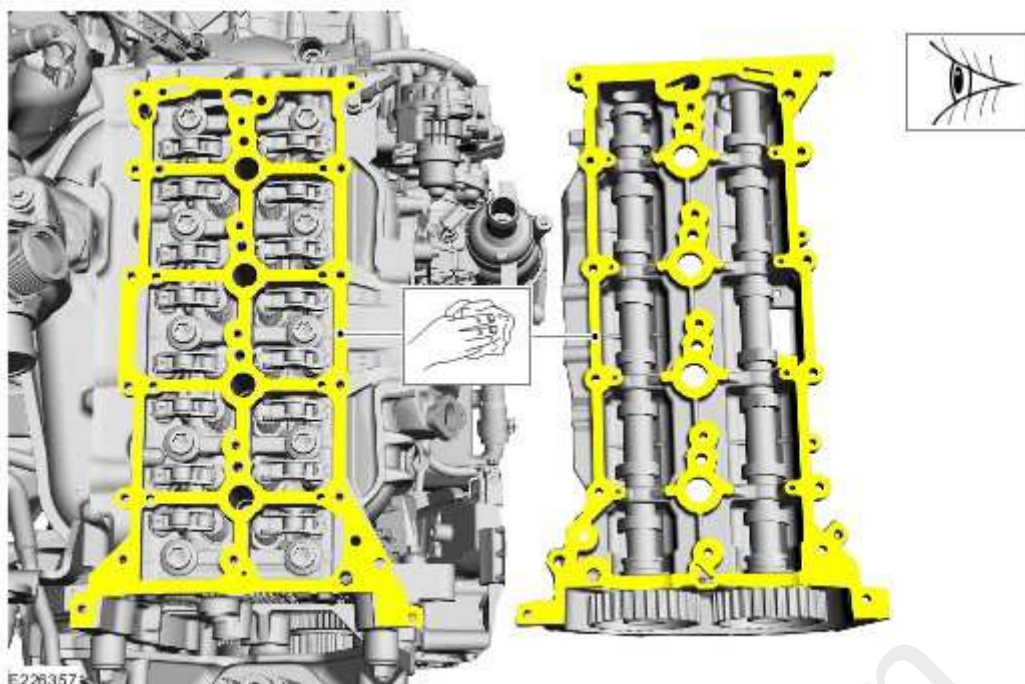


E226356

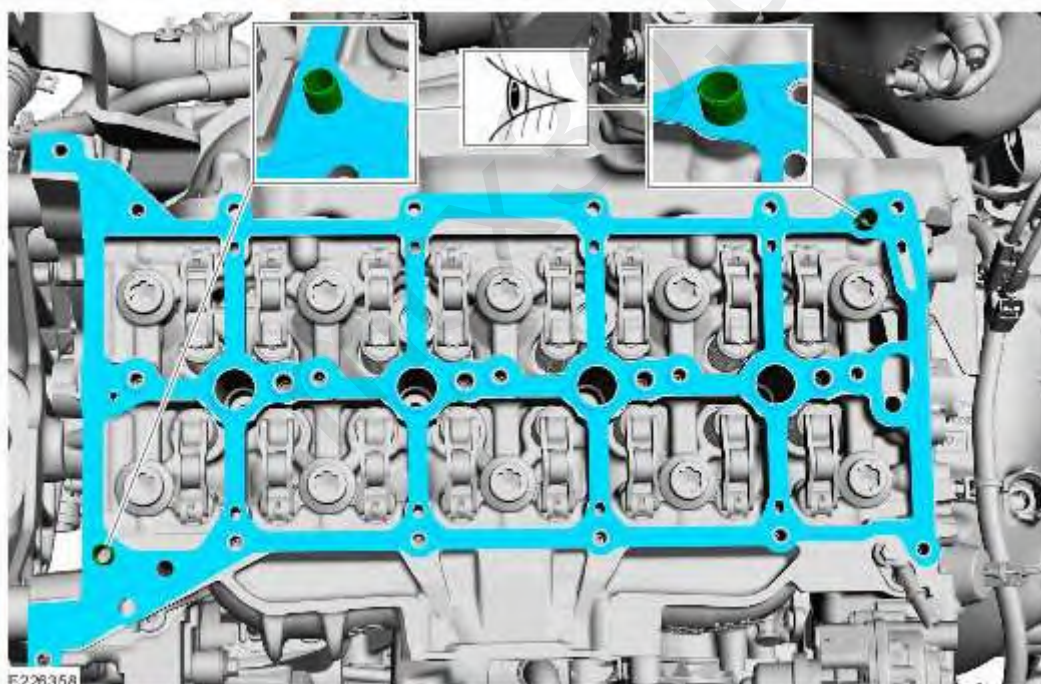
## Installation

1. NOTE: Make sure that the mating faces are clean and free of foreign material.

Material: - (Brake Cleaner)

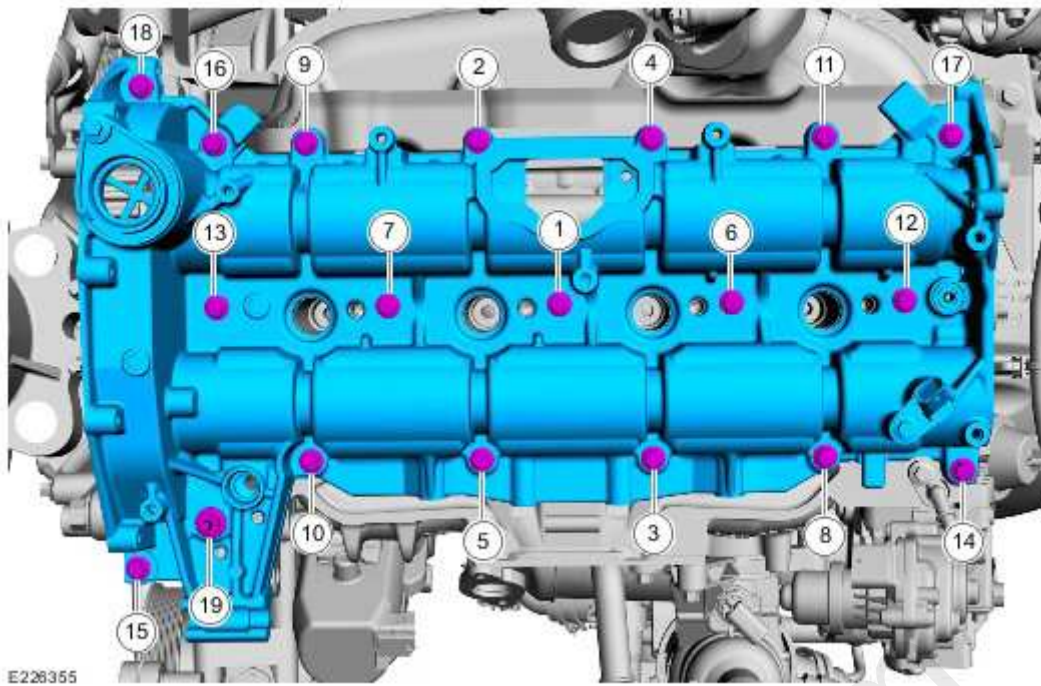


2.  **NOTICE:** Make sure that the component is correctly located on the locating dowels.  
**NOTE:** Make sure that a new component is installed.



3.  **NOTICE:** Make sure that the component is correctly located on the locating dowels.  
**NOTE:** Make sure that the component is at ambient air temperature.  
**NOTE:** Only tighten the bolts finger tight at this stage.  
 Tighten each bolt 2 turns at a time.

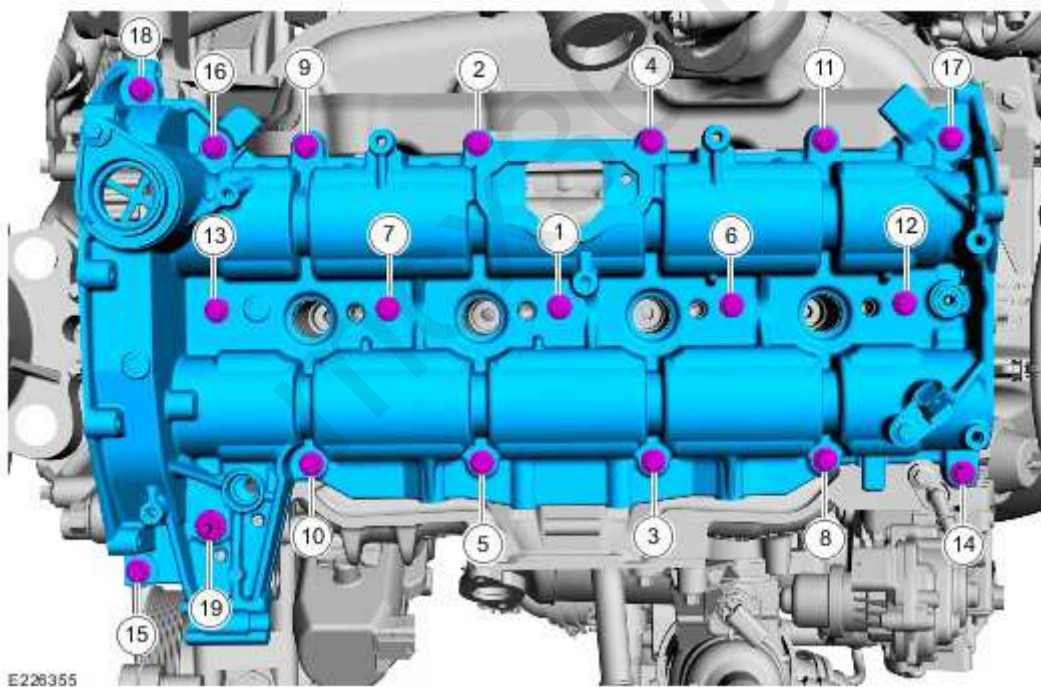
*Torque:*  
 1-19: 5 Nm



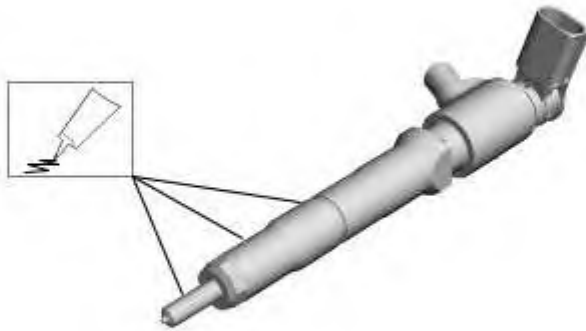
4. *Torque:*

1-18: 10 Nm

19: 23 Nm



5.  **NOTICE:** To avoid corrosion, lubricate the injector bodies prior to installation.  
*Material:* [WSD-M1C227-A \(Grease\)](#)



E262905

6. NOTICE:



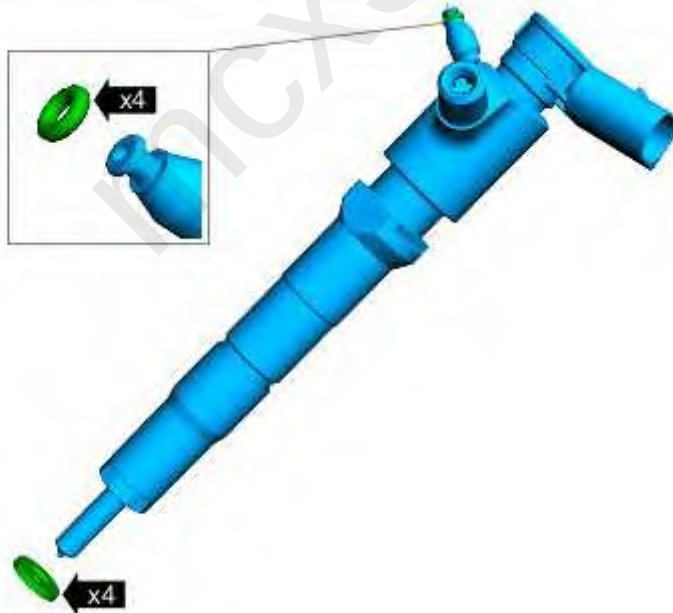
Extreme cleanliness must be exercised when handling the components.



Take extra care when handling the components.

NOTE: Use new seals.

Refer to: [Fuel Injection Component Cleaning](#) (303-04A Fuel Charging and Controls, General Procedures).



E226361

7. NOTE: Make sure that the components are installed to the position noted before removal.

NOTE: Make sure that new bolts are installed.

Make sure that new clamps are installed.

*Torque:*

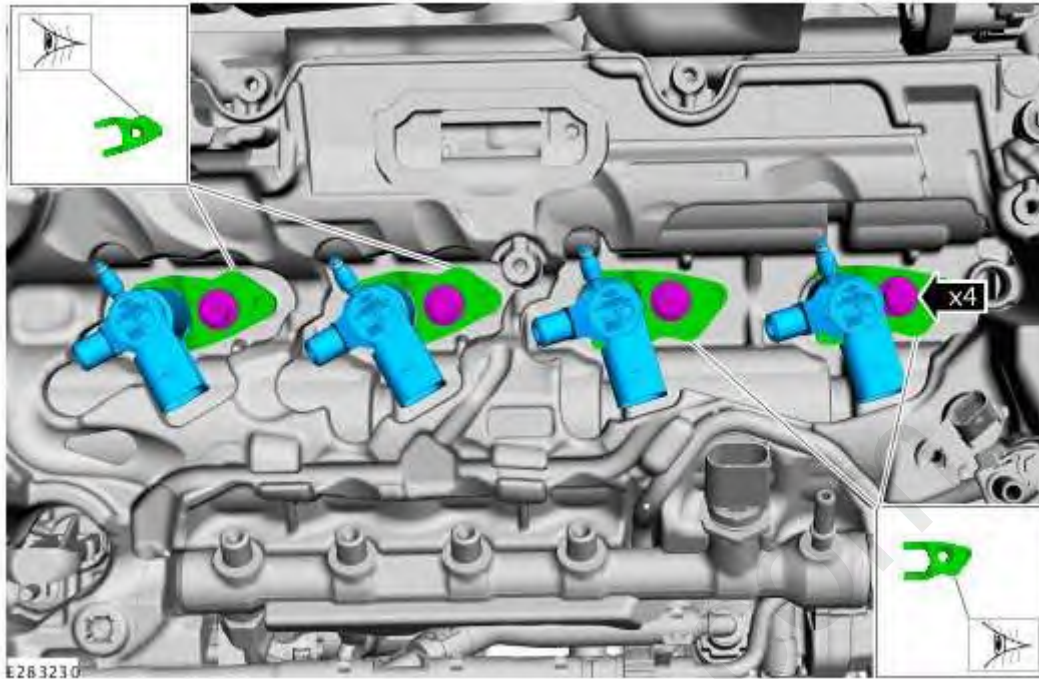
*Bolts:*

Stage 1:9 Nm

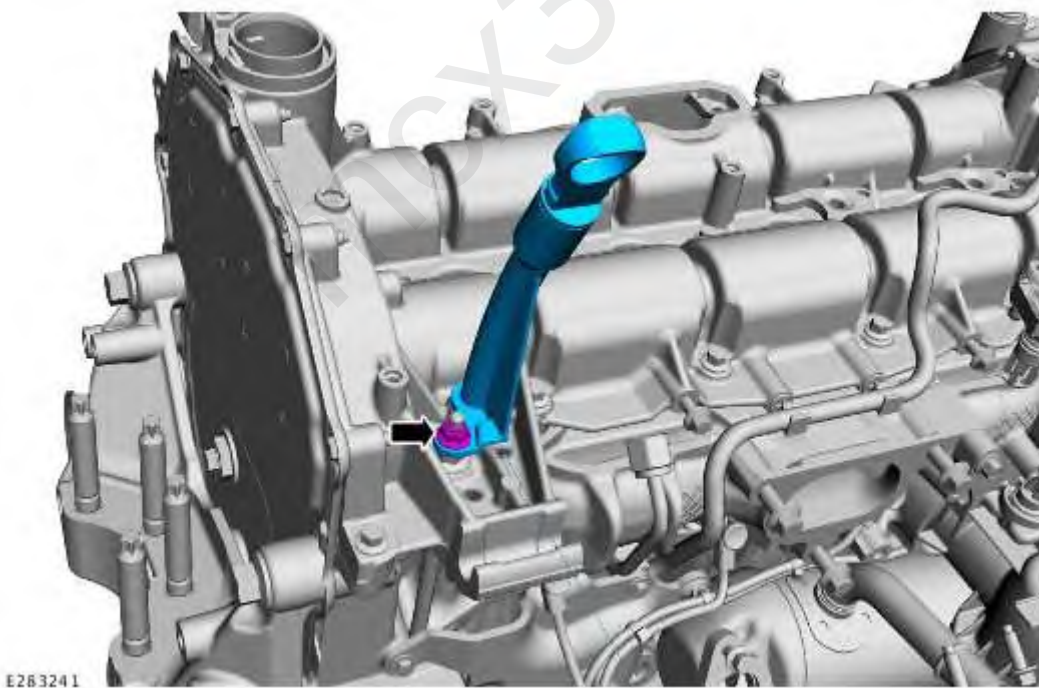
Stage 2:Loosen: 45°

Stage 3:6 Nm

Stage 4:180°



8. *Torque:* 10 Nm

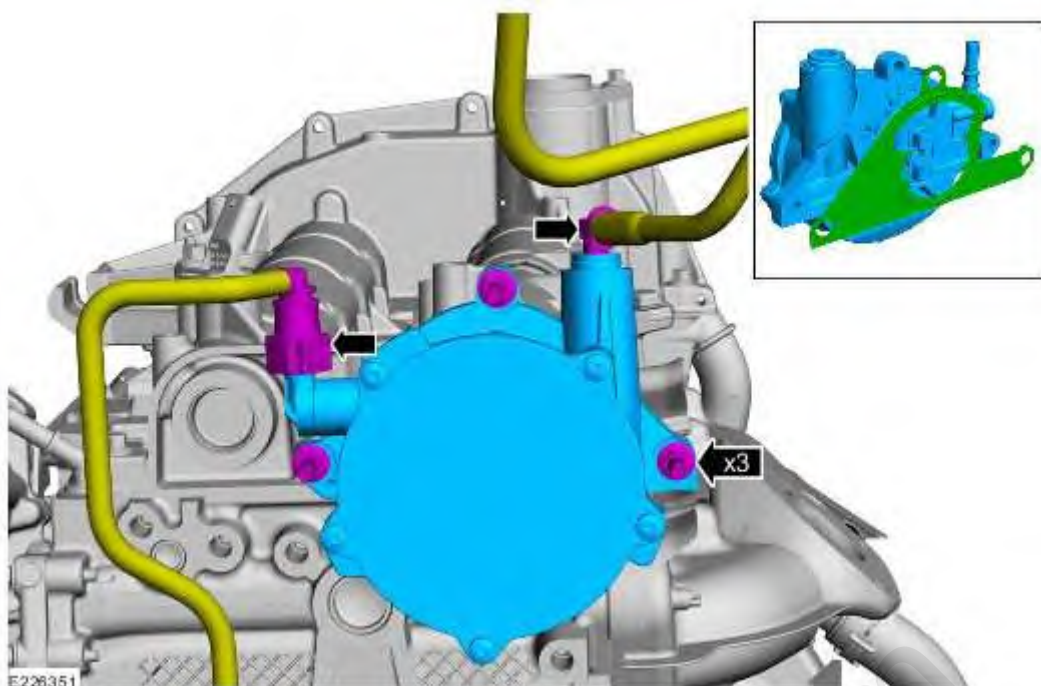


9. Refer to: [Quick Release Coupling](#) (310-00A Fuel System - General Information, General Procedures).

*Torque:*

Stage 1:5 Nm

Stage 2:10 Nm

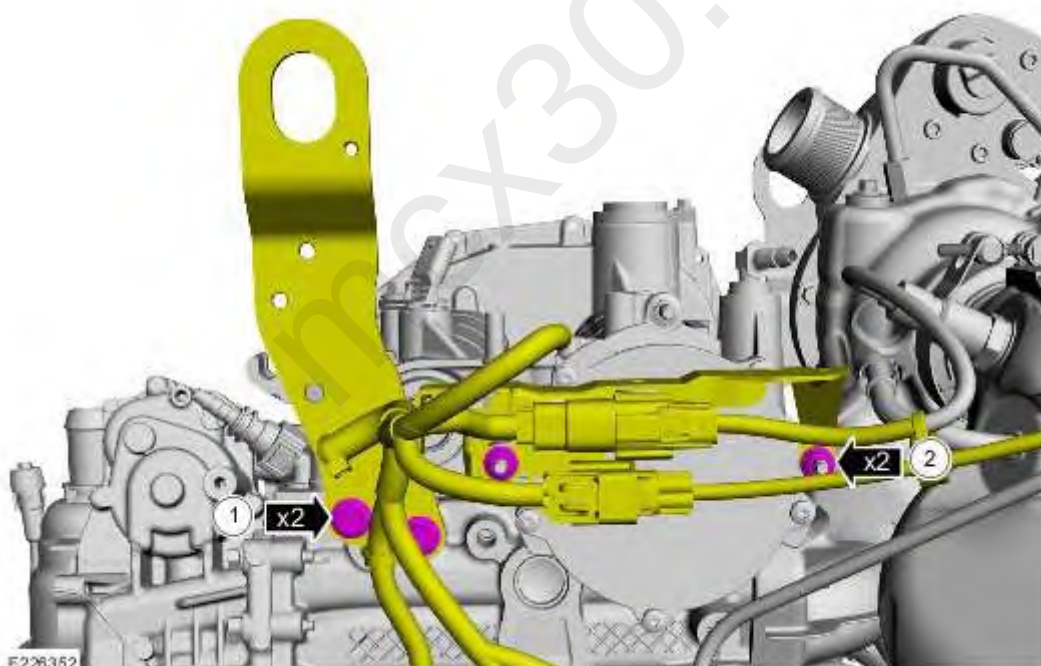


10. NOTE: Only tighten the nuts and bolts finger tight at this stage.

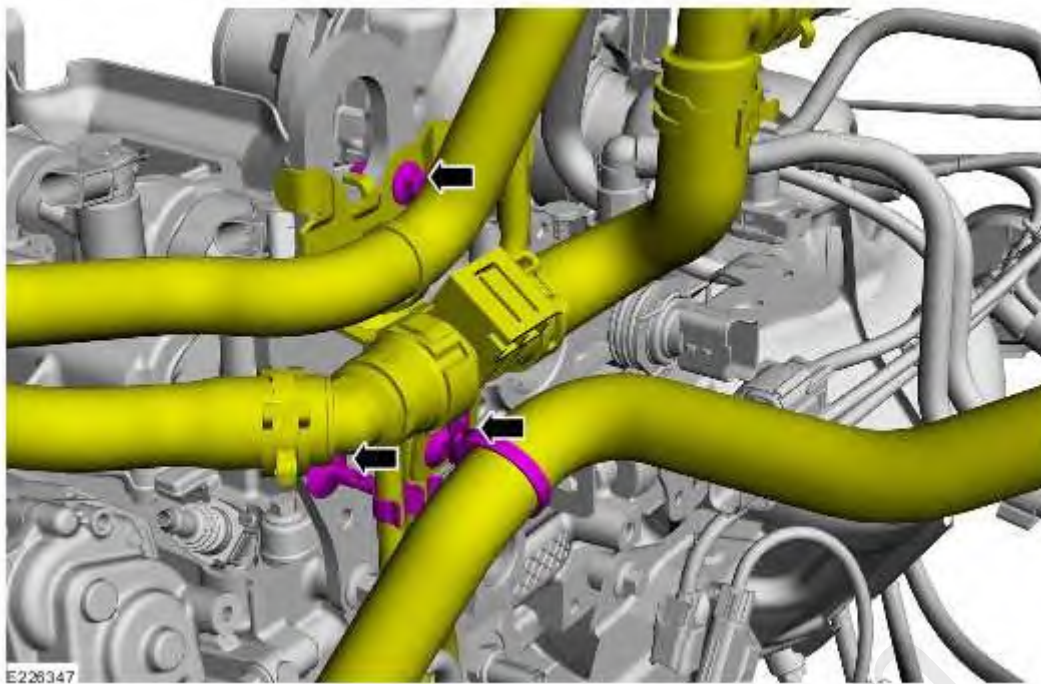
*Torque:*

1 33 Nm

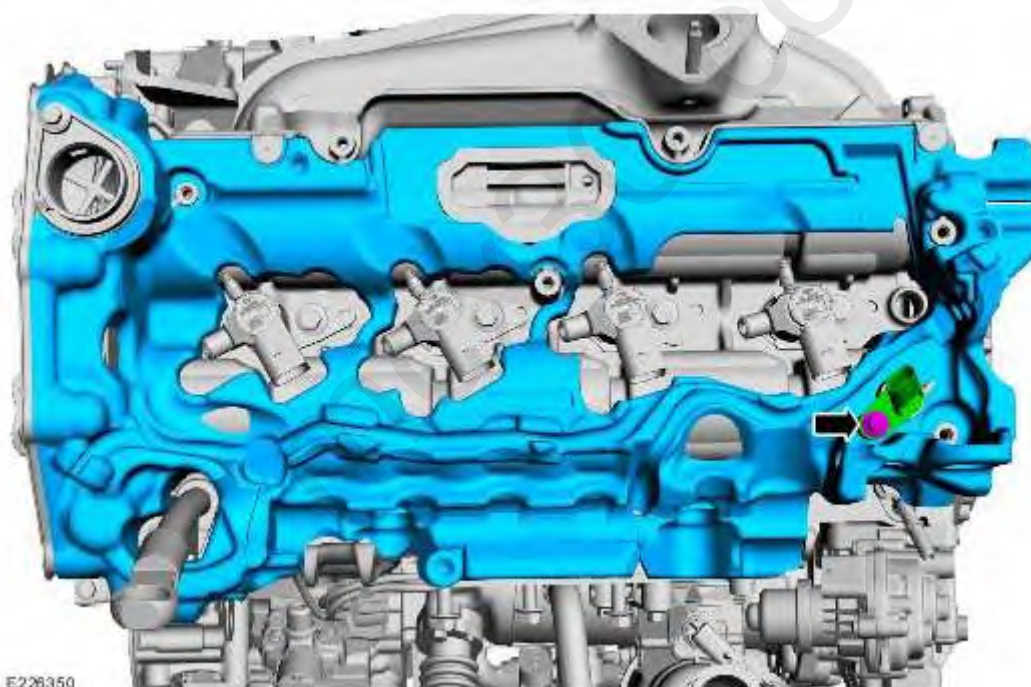
2 10 Nm



11. Torque: 10 Nm



12. Torque: 10 Nm



13.  NOTICE: Extreme cleanliness must be exercised when handling the components.

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

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

Torque:

1:

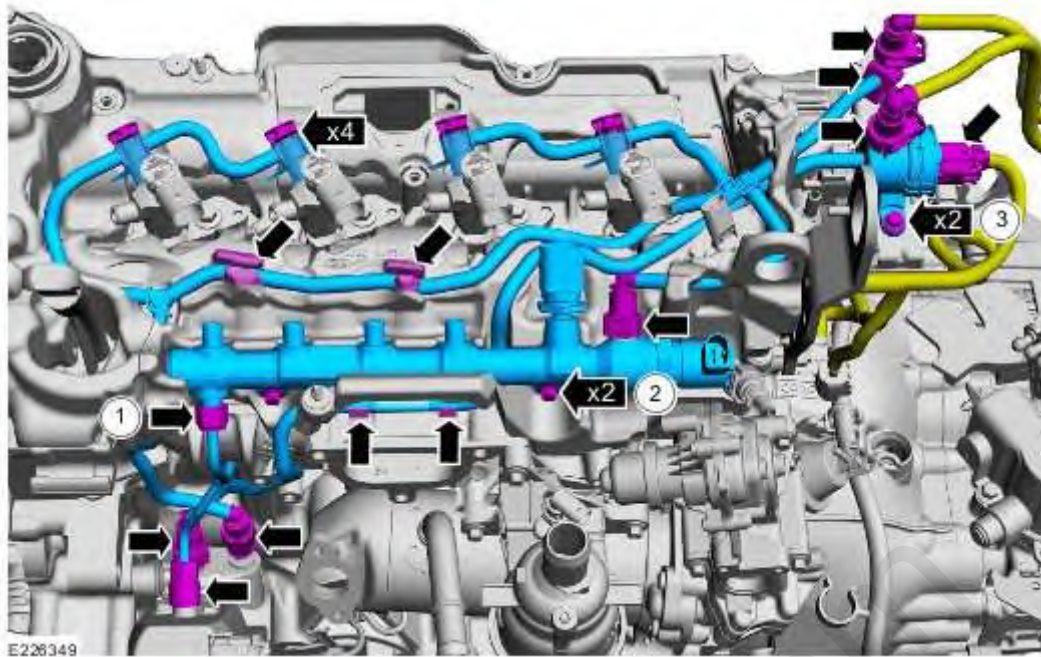
Stage 1: 12 Nm

Stage 2: 16 Nm

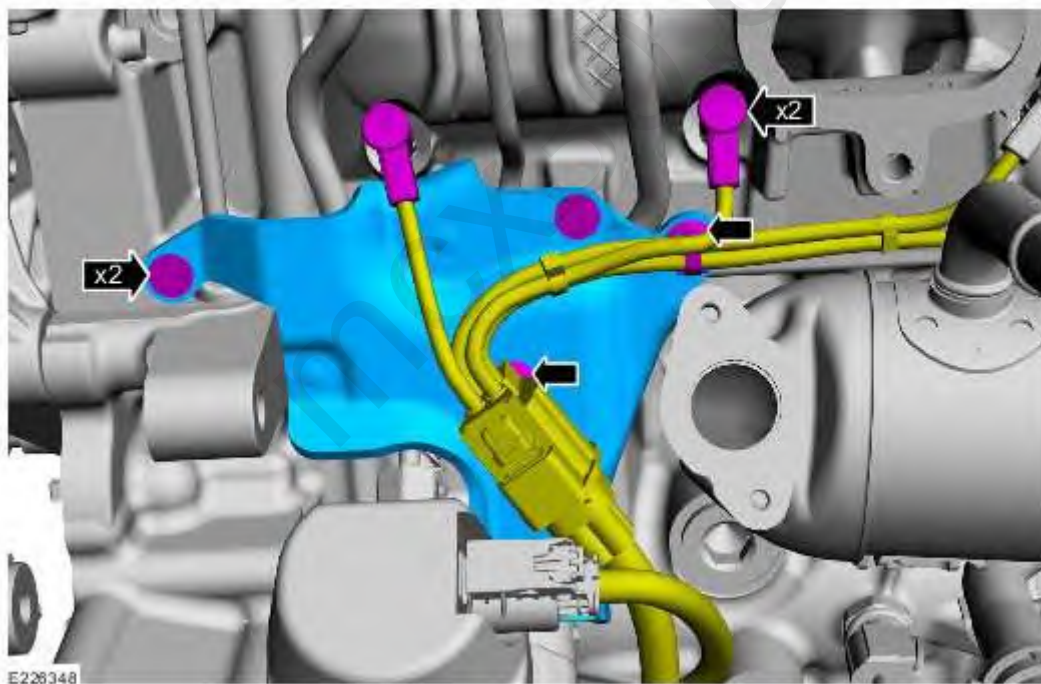
Stage 3: 50°

2 13 Nm

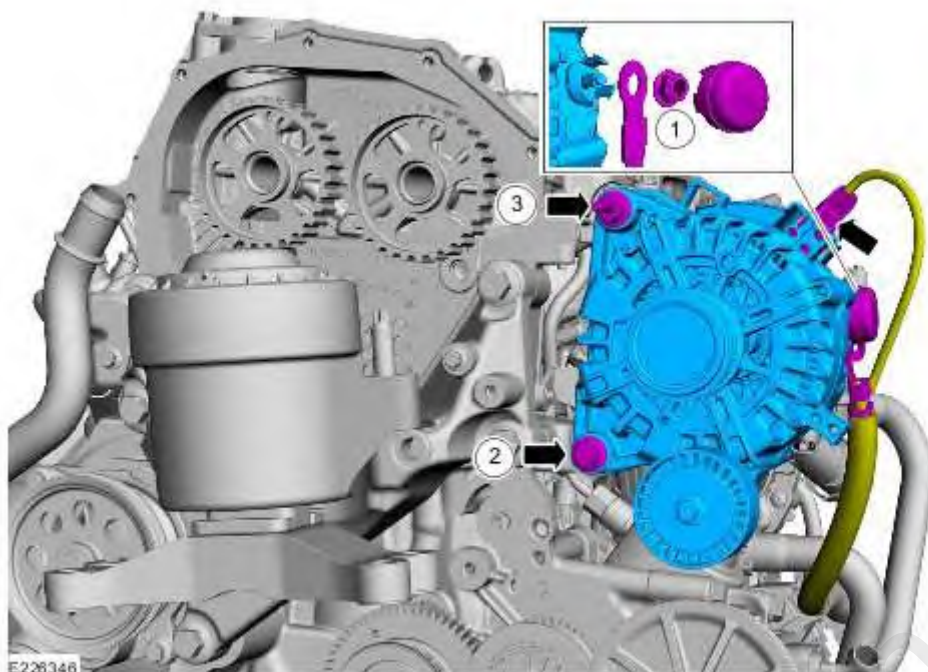
3 10 Nm



14. Torque: 10 Nm



15. Torque:  
1 15 Nm  
2 48 Nm  
3 48 Nm



16.  **NOTICE:** Extreme cleanliness must be exercised when handling the components.  
**NOTE:** Only tighten the nuts and bolts finger tight at this stage.

*Torque:*

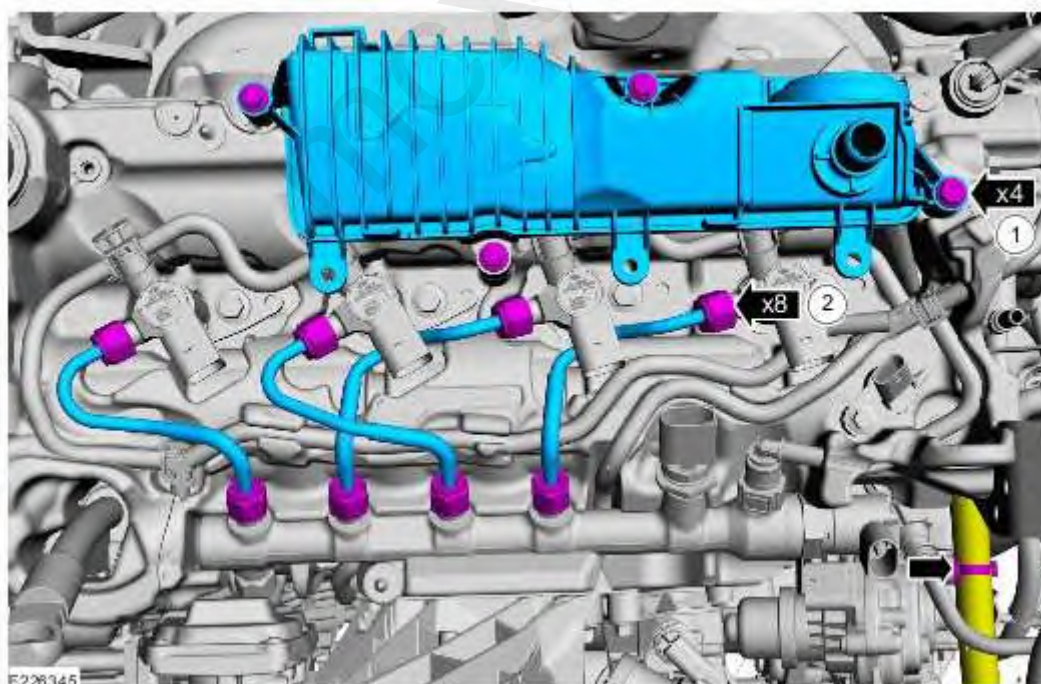
1: 10 Nm

2:

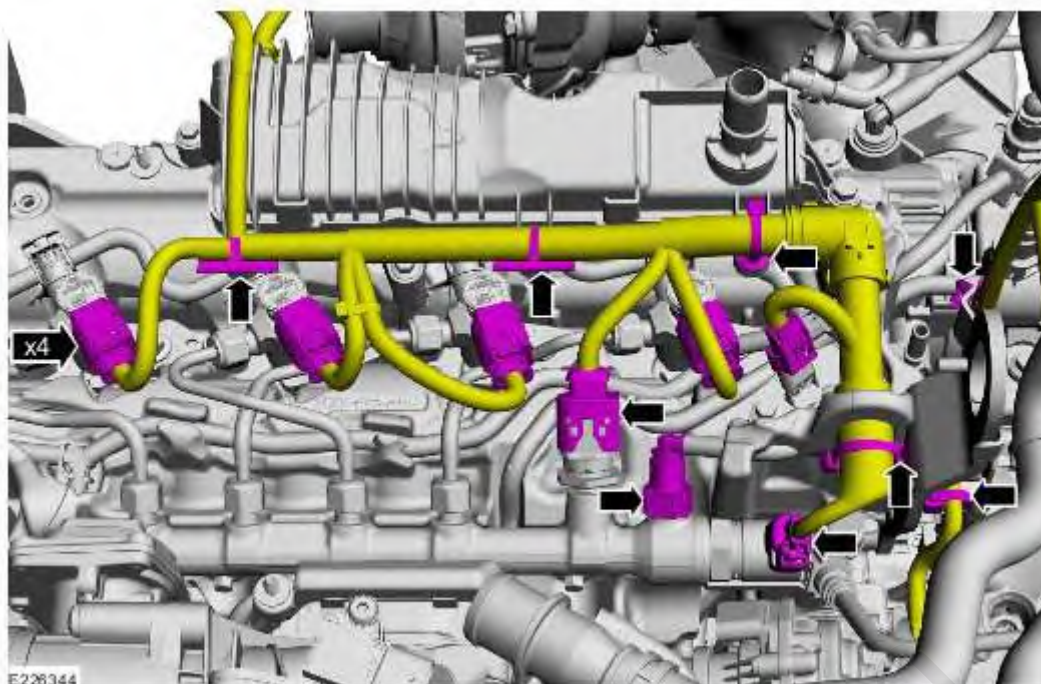
Stage 1: 12 Nm

Stage 2: 16 Nm

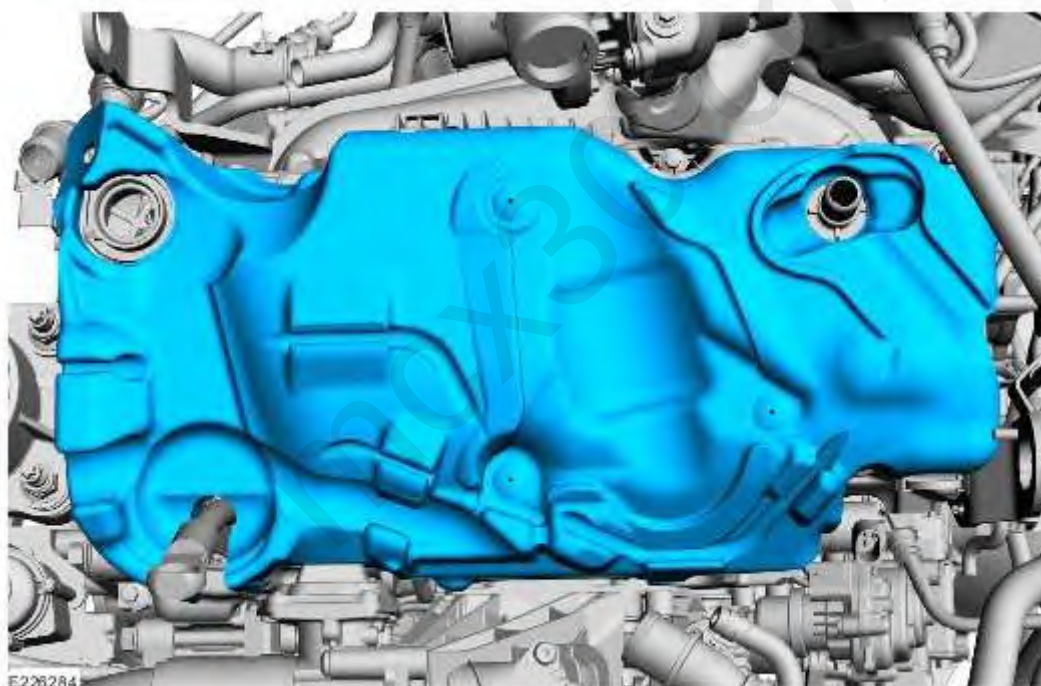
Stage 3: 50°



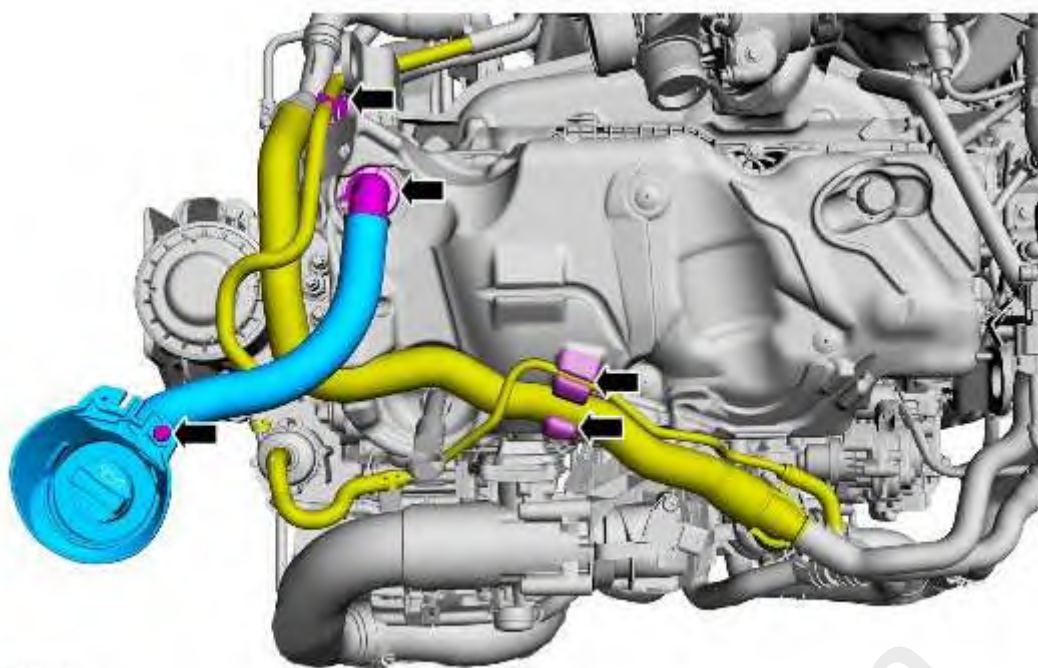
17.



18.

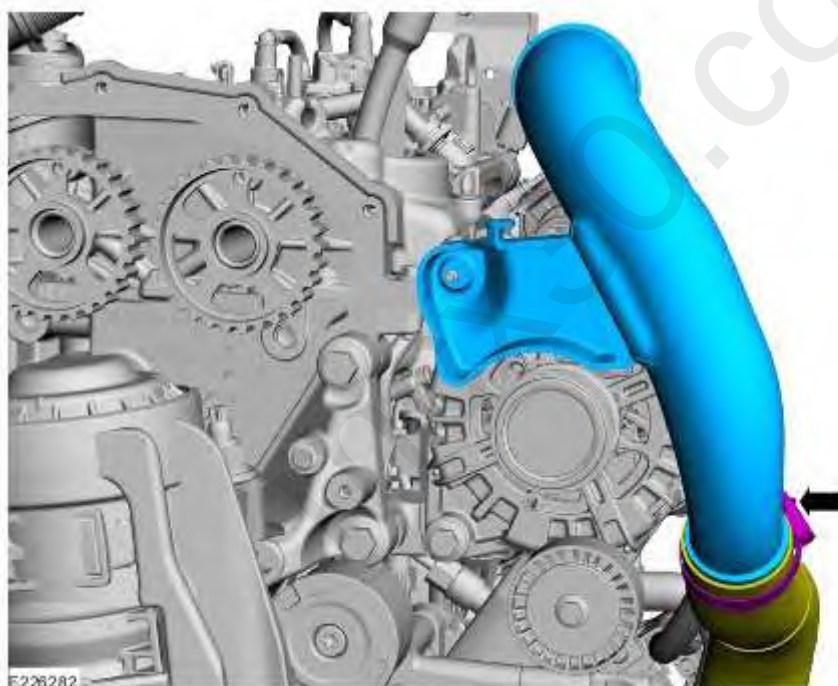


19. Refer to: [Quick Release Coupling](#) (310-00A Fuel System - General Information, General Procedures).



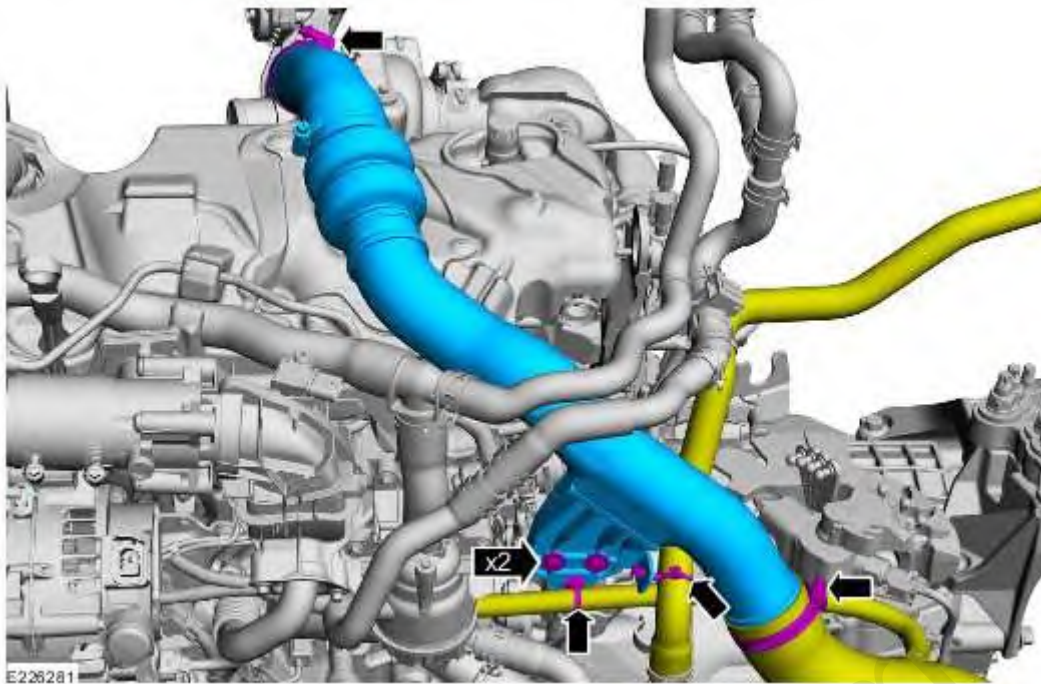
E226283

20.

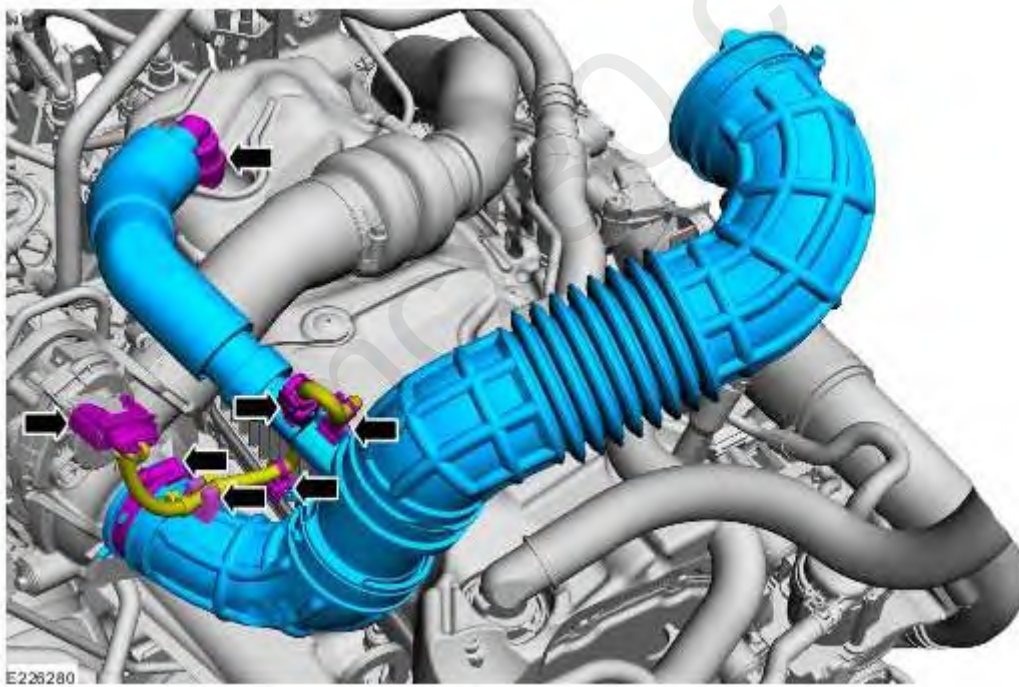


E226282

21. Torque: 10 Nm



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



23. Refer to: [Timing Belt](#) (303-01A Engine, Removal and Installation).