

Installation

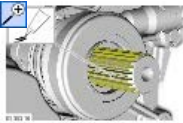
Special Tool(s) / General Equipment

	204-609 Protection Cap, Ball Joint Gaiter
	205-775 Protector, Halfshaft Seal
	303-1502 Lifting Device Engine
Floor Crane	
Hose Clamp Remover / Installer	
Lifting Bracket	
Lower Arm Down Force Lever	
Mounting Table Set	
Retaining Strap	
Wooden Block	

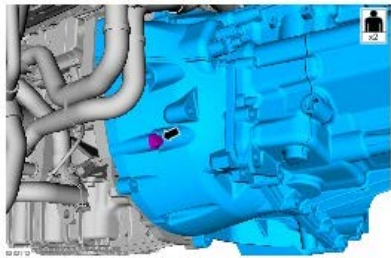
Materials

Name	Specification

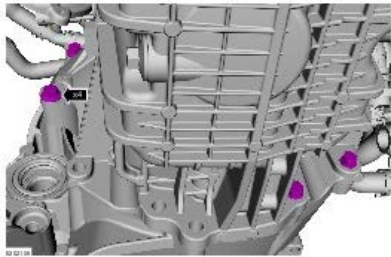
1. Material: [ESD-M1C220-A](#) (Grease - High Temperature)



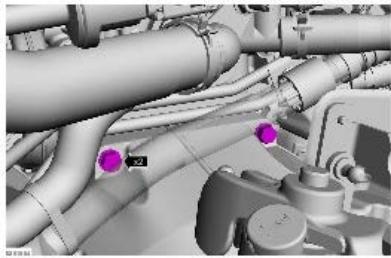
2. Torque: [48 Nm](#)



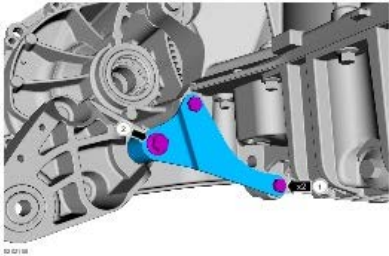
3. Torque: [48 Nm](#)



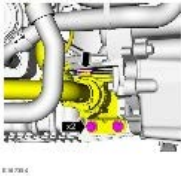
4. Torque: [48 Nm](#)



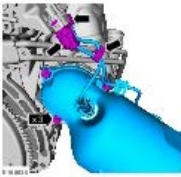
5.



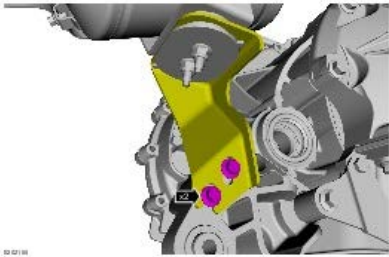
6. Torque: 25 Nm



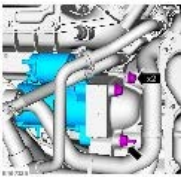
7. Torque: 30 Nm



8. Torque: 24 Nm



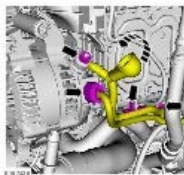
9. Torque: 48 Nm



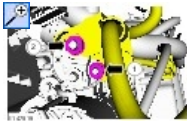
10. Torque: 11 Nm



11. Torque: 18 Nm



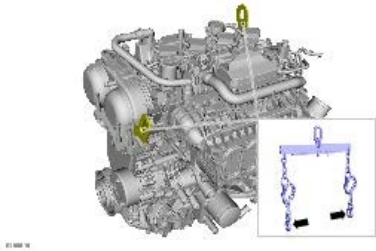
- 12.
- 1. Torque: [6 Nm](#)
 - 2. Torque: [12 Nm](#)



13.  **WARNING:** Make sure that the engine and transmission assembly is on wooden blocks and secured with suitable retaining straps.
Install the following items:
- Use the General Equipments: [Mounting Table Set](#), [Retaining Strap](#), [Wooden Block](#)



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



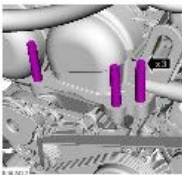
15. Remove Special Service Tool: [303-1502](#).



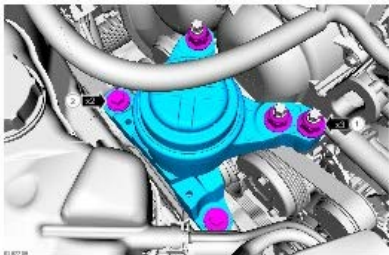
16.  **NOTICE:** Make sure that no components catch.
Lower the vehicle.



17. Torque: [10 Nm](#)



18. Torque: [90 Nm](#)



19.



20. Torque: [133 Nm](#)



21.

1. Torque: [25 Nm](#)

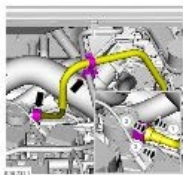
2. Torque: [80 Nm](#)



22. Remove the General Equipments: Retaining Strap, Mounting Table Set, Wooden Block

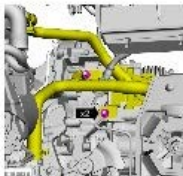


23.

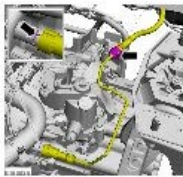


24. If equipped.

Torque: 22 Nm

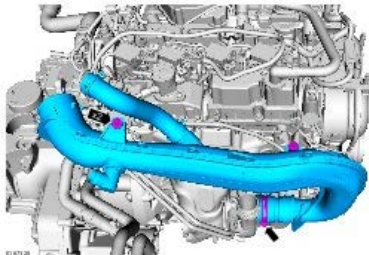


25.

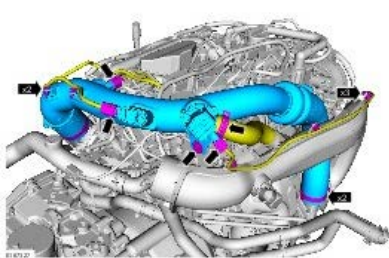


26. Refer to: [Clutch System Bleeding](#) (308-02A Clutch Controls, General Procedures).

27.

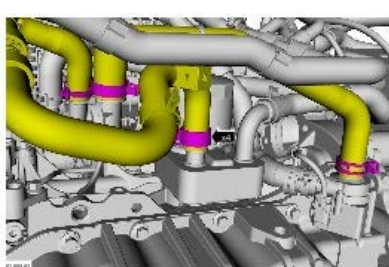


28.

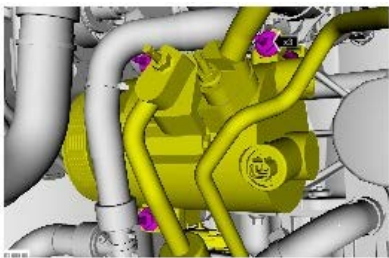


29. Refer to: [Jacking and Lifting](#) (100-02 Jacking and Lifting, Description and Operation).

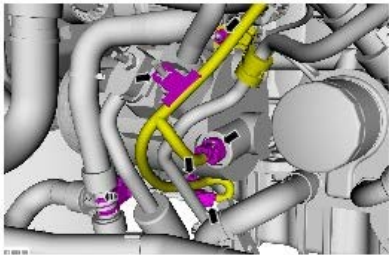
30. Use the General Equipment: [Hose Clamp Remover / Installer](#)



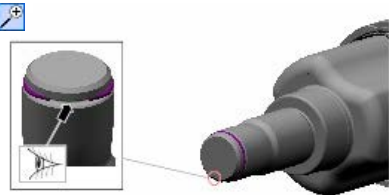
31. Torque: 25 Nm



32. Torque: [15 Nm](#)



33.  **NOTICE:** Make sure a new component is installed.

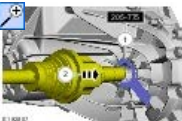


34.



- 35.
1. Use Special Service Tool: [205-775](#).
 2. **NOTICE:**

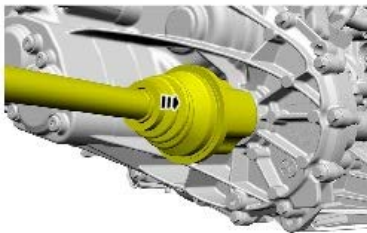
-  The inner constant velocity (CV) joint must not be bent more than 18°.
-  The outer constant velocity (CV) joint must not be bent more than 45°.
-  Take extra care not to damage the seal.



36.  **NOTICE:** Take extra care not to damage the seal.
NOTE: Make sure that the component is correctly installed.
Remove the special tool before completely installing the halfshaft.

Remove Special Service Tool: [205-775](#).





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37.



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38. NOTICE:

 The outer constant velocity (CV) joint must not be bent more than 45°.

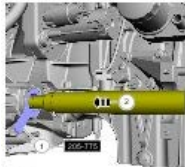
 The inner constant velocity (CV) joint must not be bent more than 18°.

1.

2.  NOTICE: Take extra care not to damage the seal.

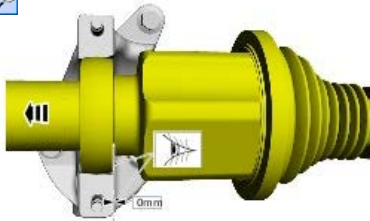
Remove the special tool before completely installing the halfshaft.

Use Special Service Tool: [205-775](#).



818 289 1

39. NOTE: Make sure that the component is correctly installed.



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40.

1. NOTE: Make sure that a new component is installed.

2. NOTE: Make sure a new nut is installed.

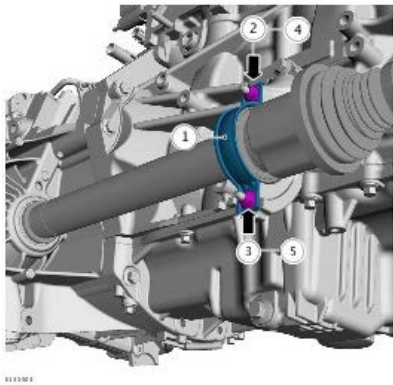
Torque: [5 Nm](#)

3. NOTE: Make sure a new nut is installed.

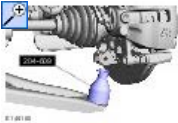
Torque: [5 Nm](#)

4. Torque: [25 Nm](#)

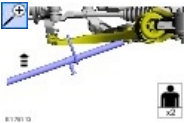
5. Torque: [25 Nm](#)



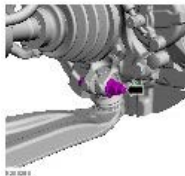
41. Remove Special Service Tool: 204-609.



42. Use the General Equipment: Lower Arm Down Force Lever



43. Torque: 103 Nm

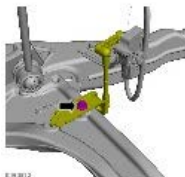


44. Torque: 18 Nm

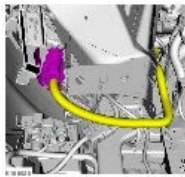


45. If equipped.

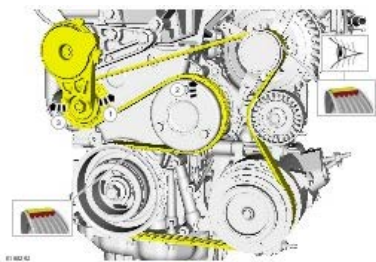
Torque: 20 Nm



46.

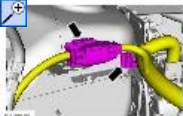


47.



48. Refer to: [Front Subframe \(502-00 Uni-Body, Subframe and Mounting System, Removal and Installation\)](#).

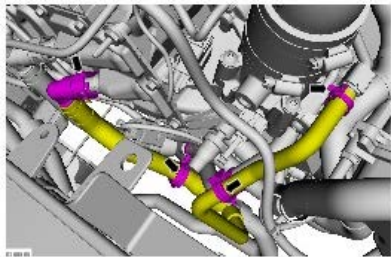
49.



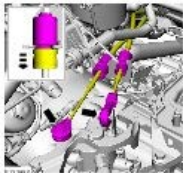
50.



51. Refer to: [Quick Release Coupling \(310-00B Fuel System - General Information, General Procedures\)](#).
Use the General Equipment: [Hose Clamp Remover / Installer](#)

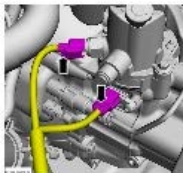


52.  **NOTICE:** Gearshift cables must not be kinked or bent.

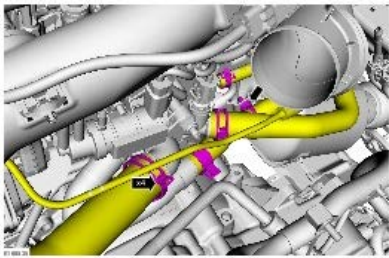


53. Refer to: [Gearshift Cable Adjustment \(308-06A Manual Transmission External Controls, General Procedures\)](#).

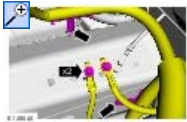
54.



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



56. Torque: [11 Nm](#)



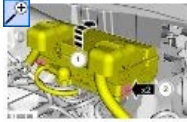
57. Torque: [12 Nm](#)



58.



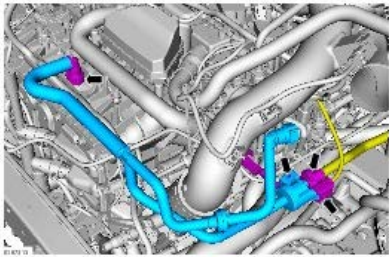
59.



60. Torque: [12 Nm](#)



61.



62.

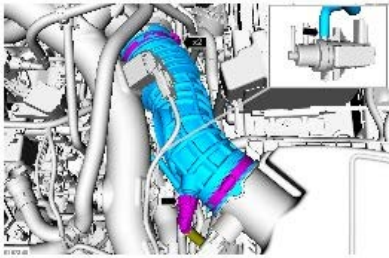


63. Install the following items:

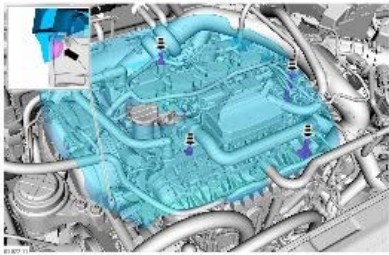
1. Refer to: [Battery Tray](#) (414-01 Battery, Mounting and Cables, Removal and Installation).

2. Refer to: [Air Cleaner \(303-12B Intake Air Distribution and Filtering, Removal and Installation\)](#).

64.



65.



66. Refer to: [Engine Cooling System Draining, Vacuum Filling and Bleeding \(303-03B Engine Cooling, General Procedures\)](#).

67. **NOTE:** Use the Powertrain Control Module (PCM) Misfire Monitor Profile Correction routine in the diagnostic scan tool.