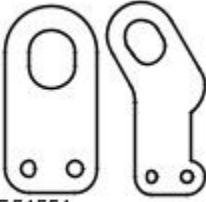
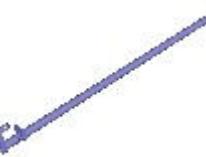


已发布: 06-八月-2013

单体车身、副车架和安装系统 - 前副车架 **TDV6 3.0** 升柴油机 拆卸和安装

专用工具

	E54554 303-1129 发动机吊架
	E145960 JLR-204-794 副车架的左定位销
	E145961 JLR-204-796 副车架的右定位销
	E145965 JLR-204-802 减震器的分离器

拆卸

小心:



确保将变速器底部托架和发动机底部托架正确安装到车辆上，因为它们是结构部件。



最终紧固悬架部件时必须让车辆就位在车轮上。

注意:



为清晰起见，某些部件未在图中显示。



各说明中可能会出现某些差异，但基本信息始终是正确的。

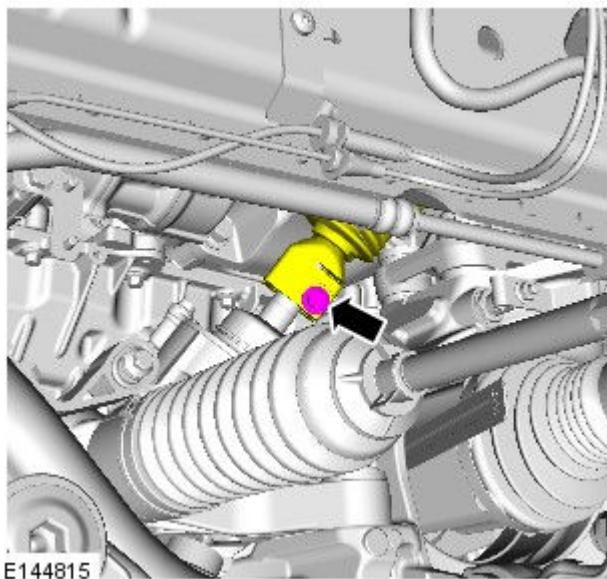
1.  警告： 确保采用车轴支架支撑车辆。
抬起并支撑车辆。

2. 断开蓄电池接地电缆的连接。

参阅: [规格 \(414-00 蓄电池和充电系统 - 一般信息, 规格\).](#)

3. 参阅: [散热器 \(303-03A 发动机冷却 - TDV6 3.0 升柴油机, 拆卸和安装\).](#)

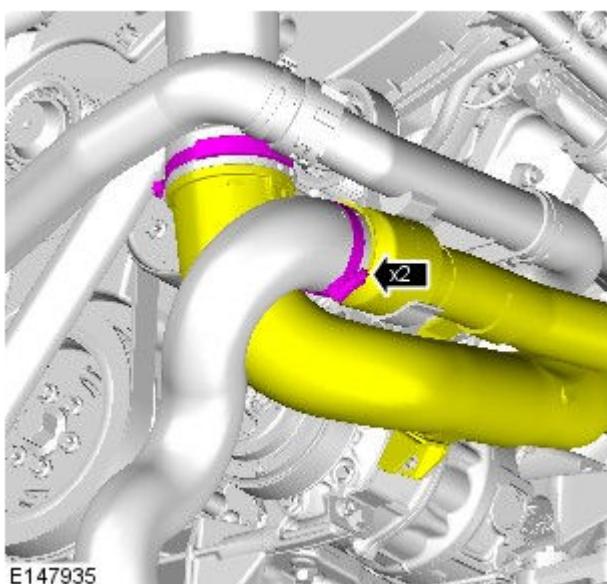
4. 参阅: [发电机 \(414-02A 发电机和调节器 - TDV6 3.0 升柴油机, 拆卸和安装\).](#)



5. 小心: 丢弃螺栓。

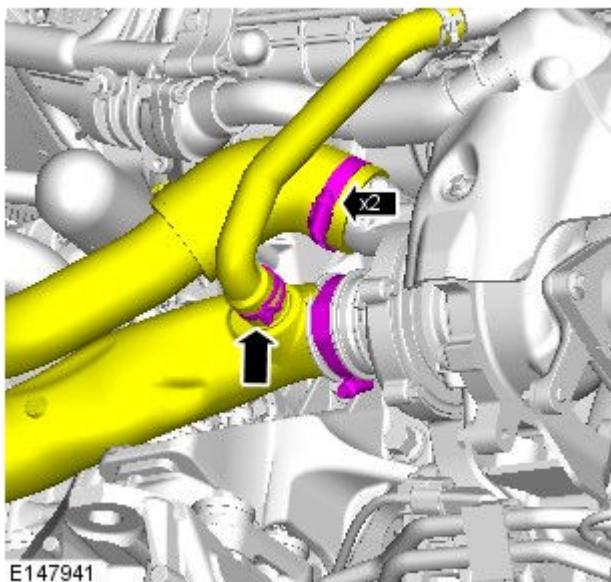
注意: 所示为 LHD, RHD 与之类似。

让方向盘定位到朝向正前方位置。

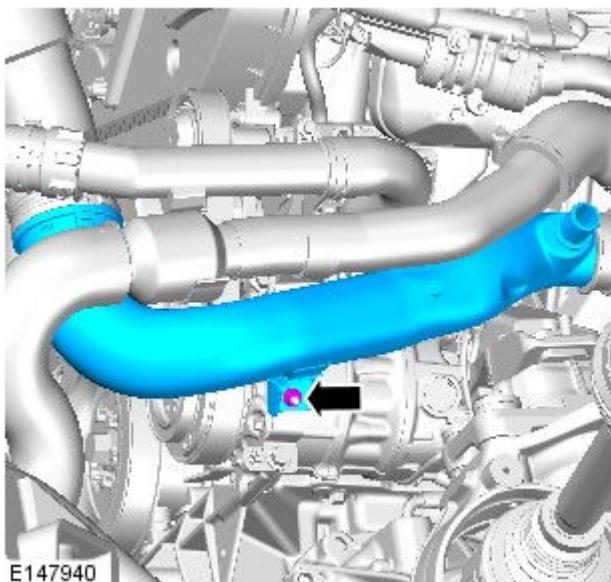


6.

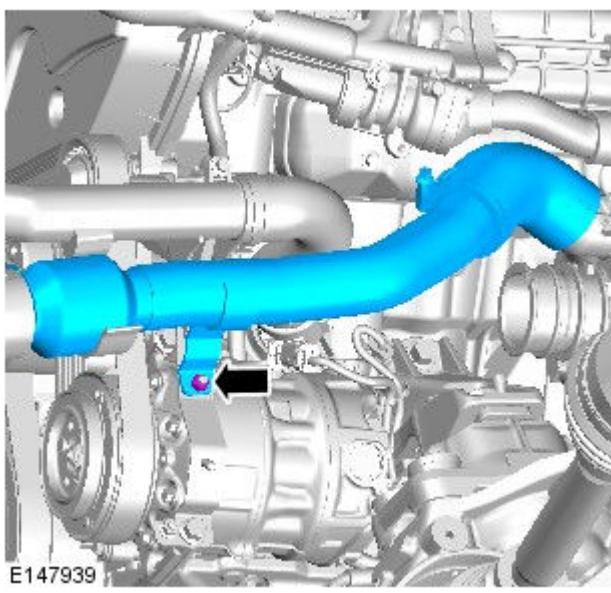
7.

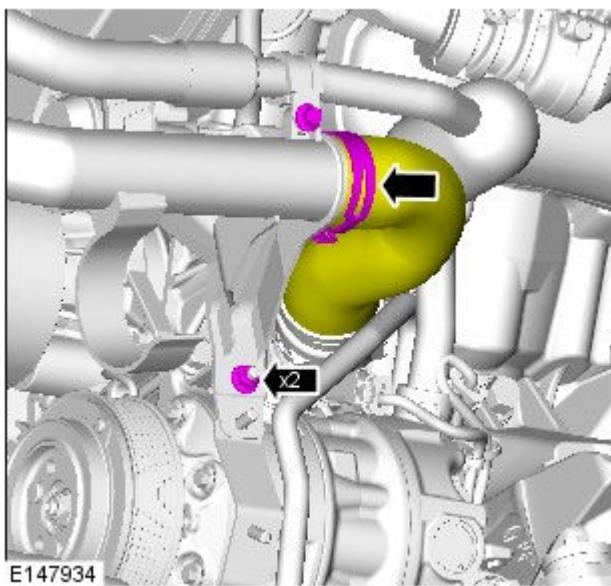


8.

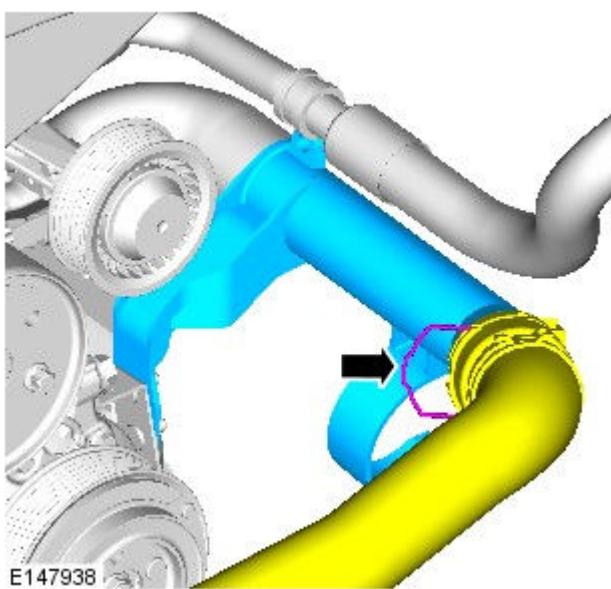


9.



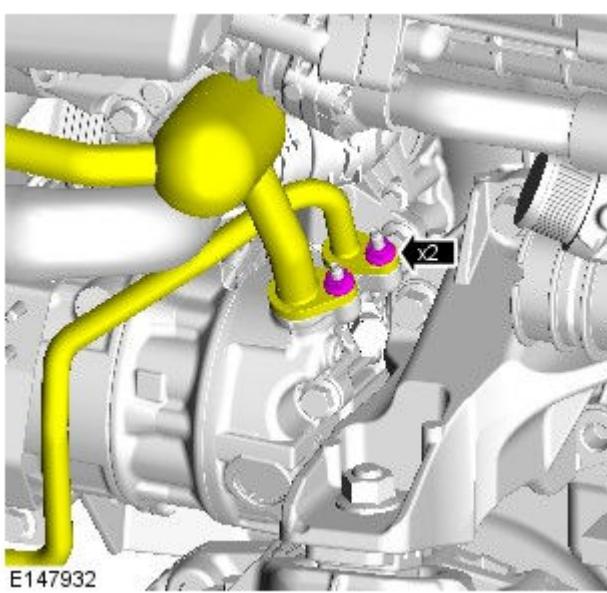
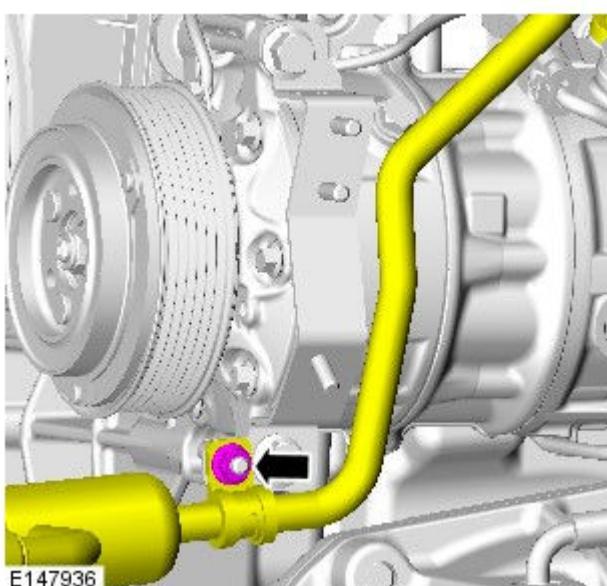
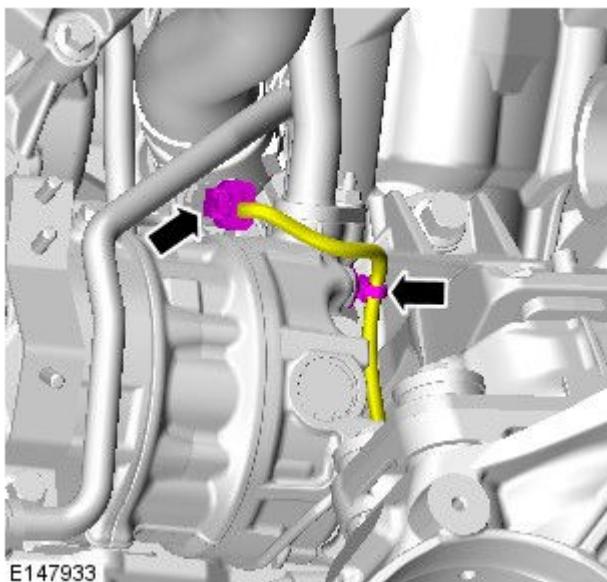


10. 小心：准备收集溢出的冷却液。

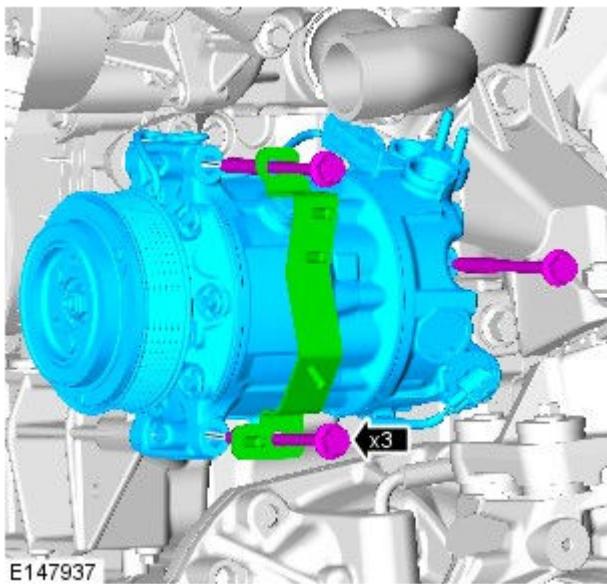


11. 小心：准备收集溢出的冷却液。

12.

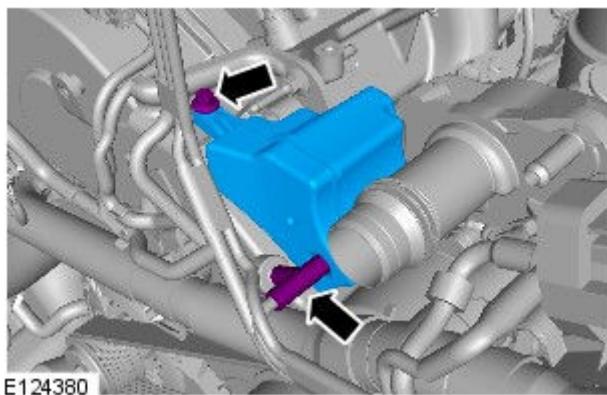


15.

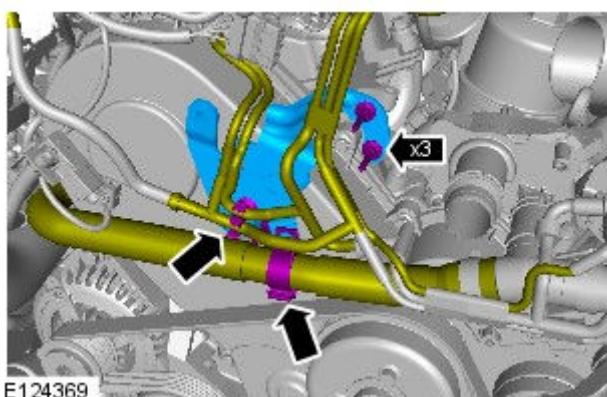


16. 参阅: [进气切断节气门](#) (303-04A 加油和控件 - TDV6 3.0 升柴油机, 拆卸和安装).

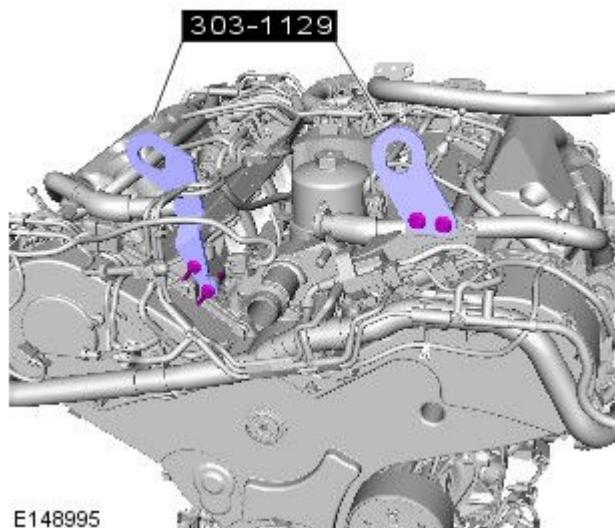
17.



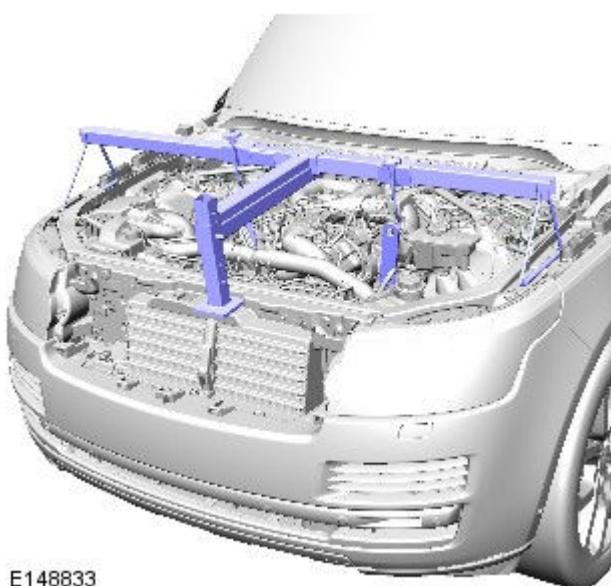
18.



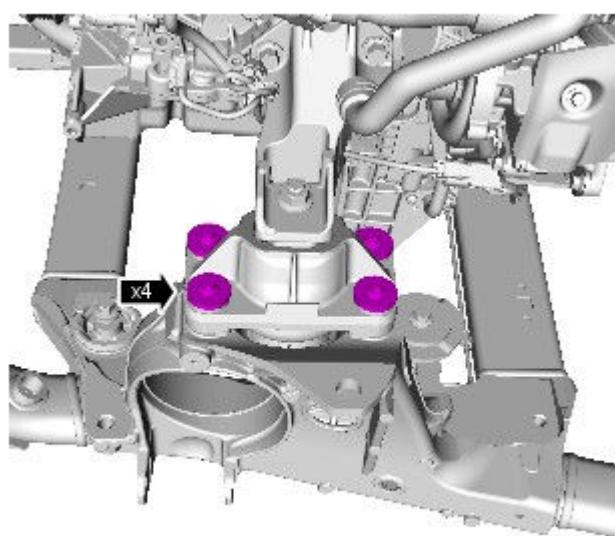
19. 专用工具: [303-1129](#)
扭矩: 22 Nm

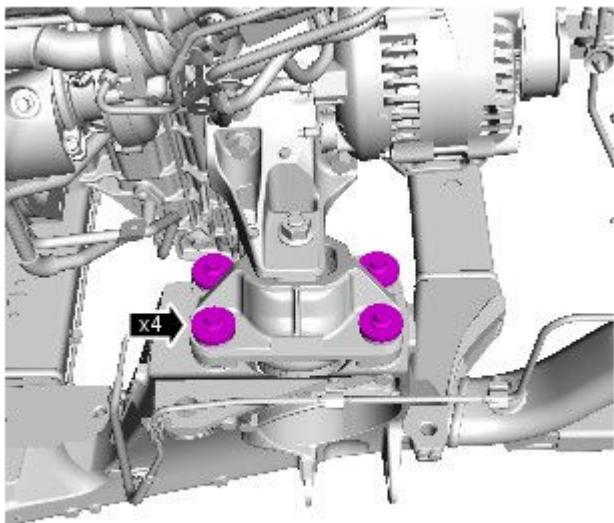


20.



21.



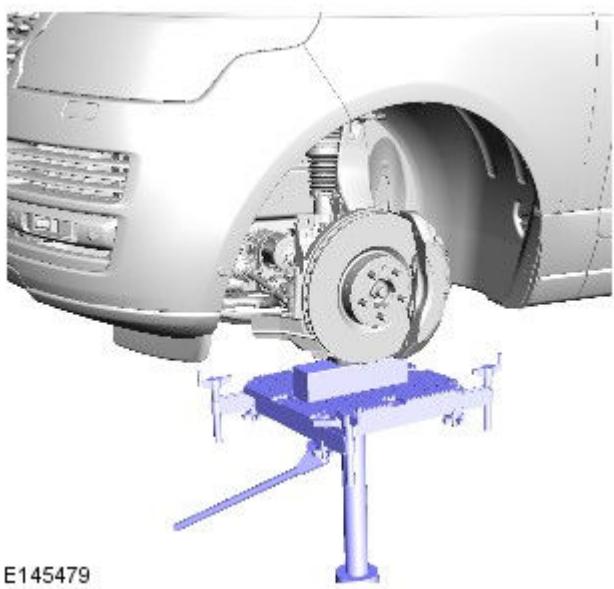


22.

E148992

23. 参阅: [前半轴LH](#) (205-04 前驱动半轴, 拆卸和安装).

24. 参阅: [前半轴RH](#) (205-04 前驱动半轴, 拆卸和安装).



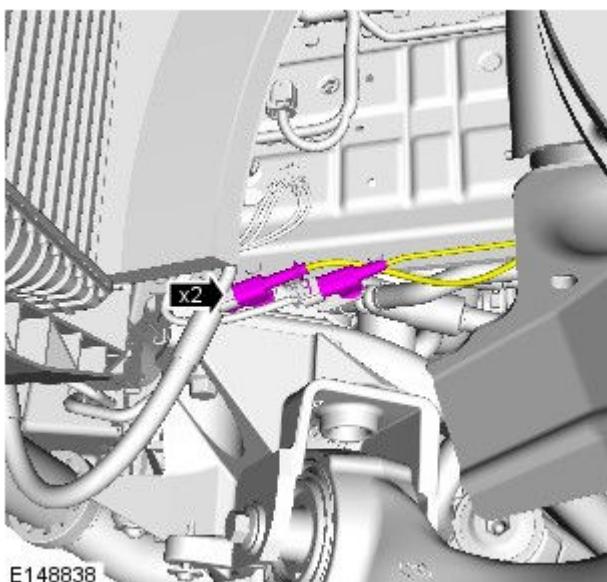
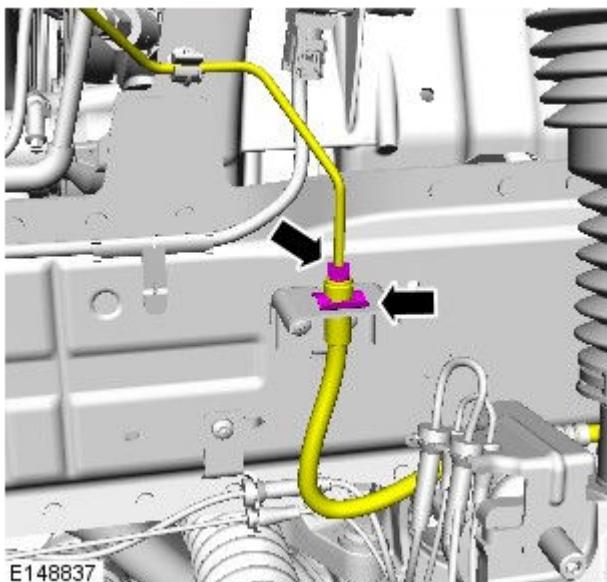
E145479

25. 注意: 左侧驾驶如图所示, 右侧驾驶相似。

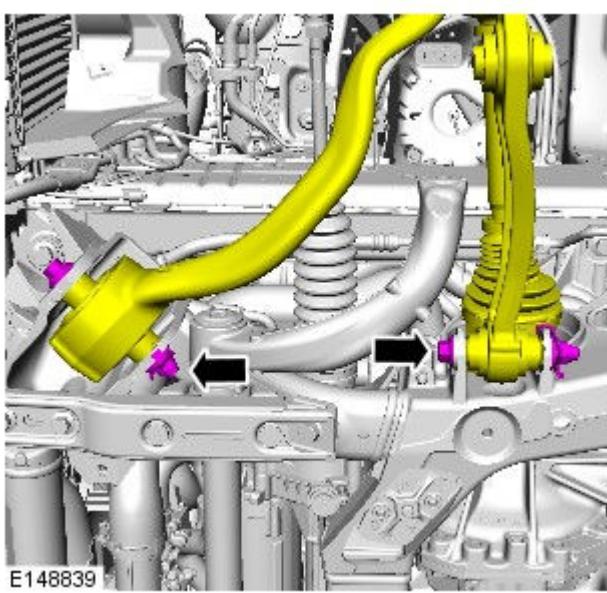
26. 警告: 准备好接收泄漏的液体。

小心: 制动液会损坏喷漆的表面。如果溢出, 请立即清除制动液并用水清洗该区域。

注意: 左侧驾驶如图所示, 右侧驾驶相似。



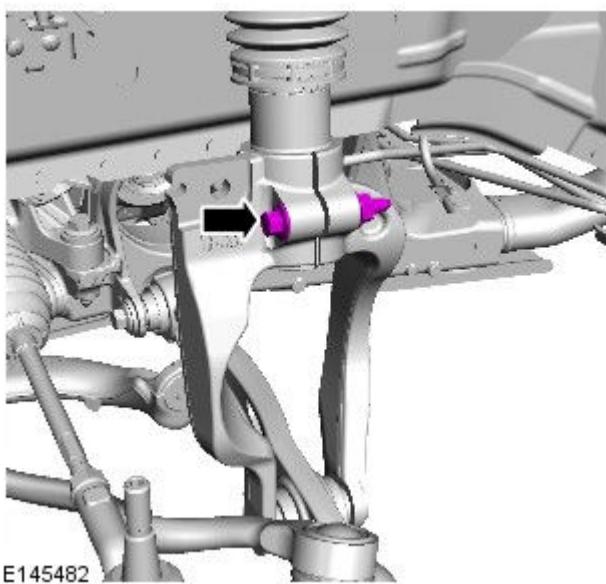
27. 注意：左侧驾驶如图所示，右侧驾驶相似。



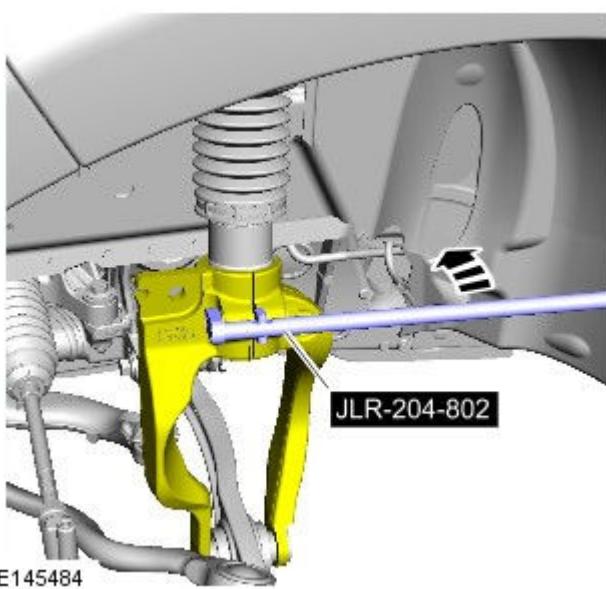
28. 注意：

丢弃螺母和螺栓。

左侧驾驶如图所示，右侧驾驶相似。

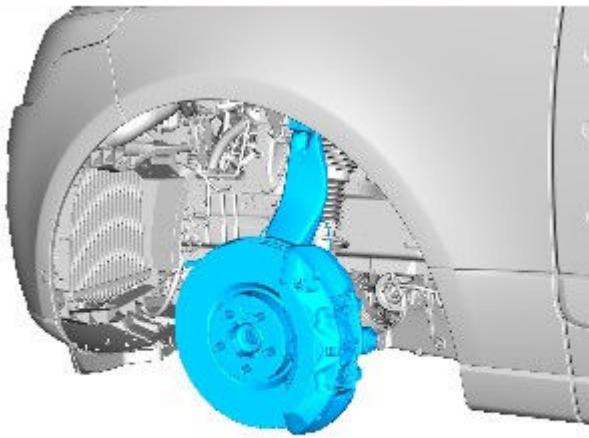


29. 注意： 左侧驾驶如图所示，右侧驾驶相似。



30. 注意： 左侧驾驶如图所示，右侧驾驶相似。
专用工具: [JLR-204-802](#)

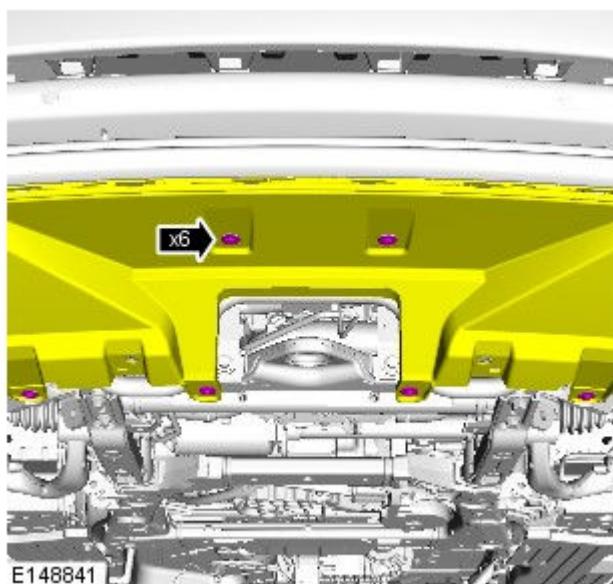
31. 注意： 左侧驾驶如图所示，右侧驾驶相似。



E148840

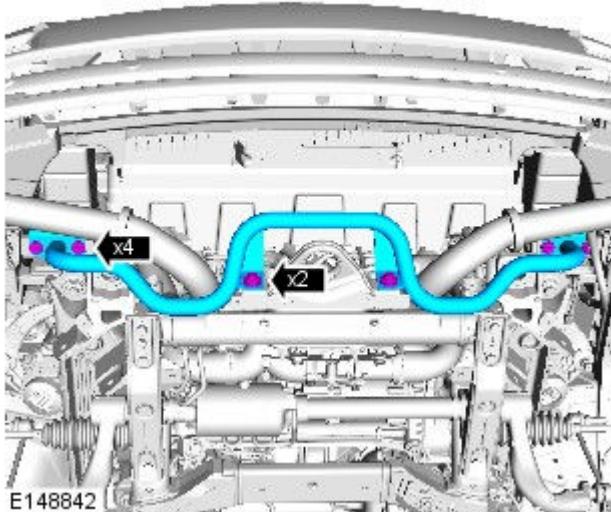
32. 对另一侧重复上述 7 个步骤。

33.

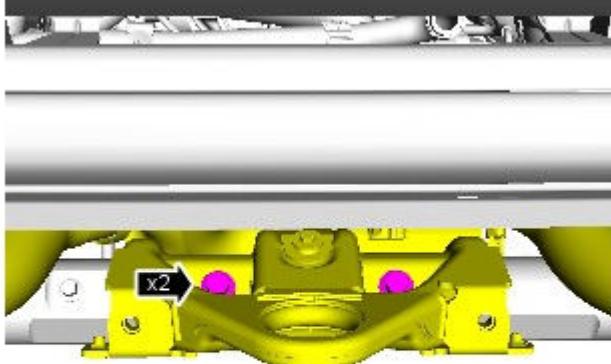


E148841

34.

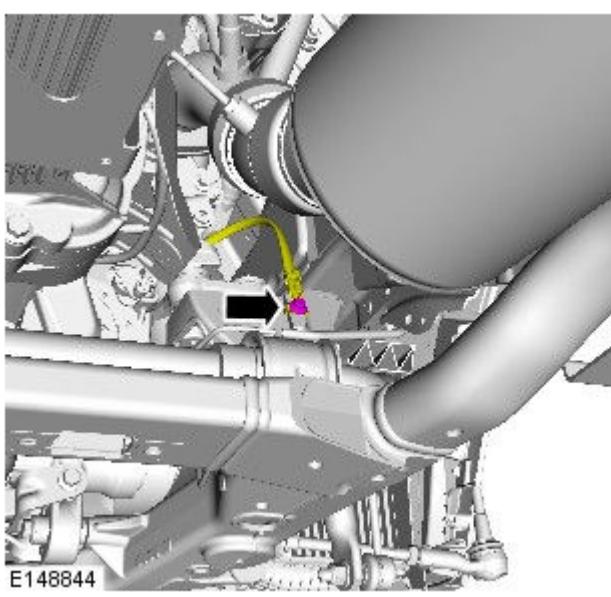


35.

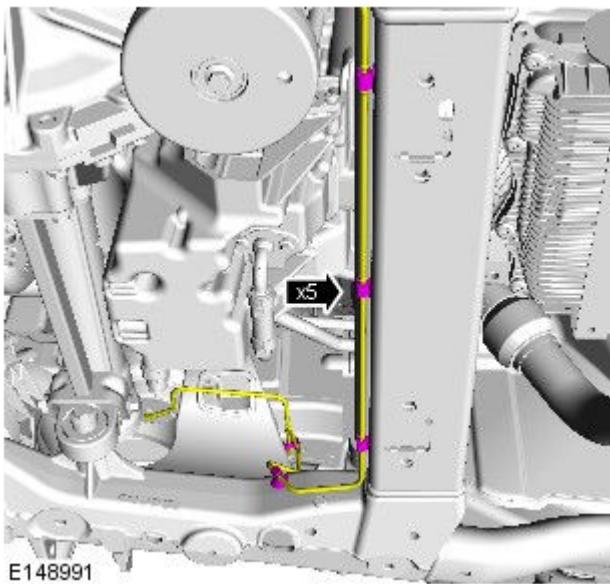


E148843

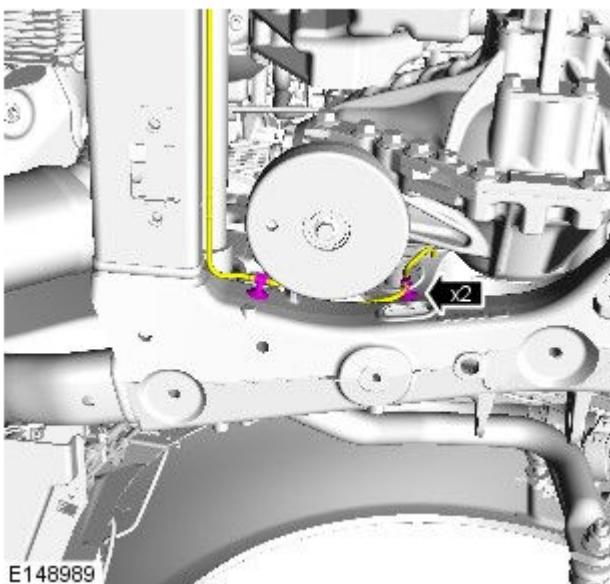
36.



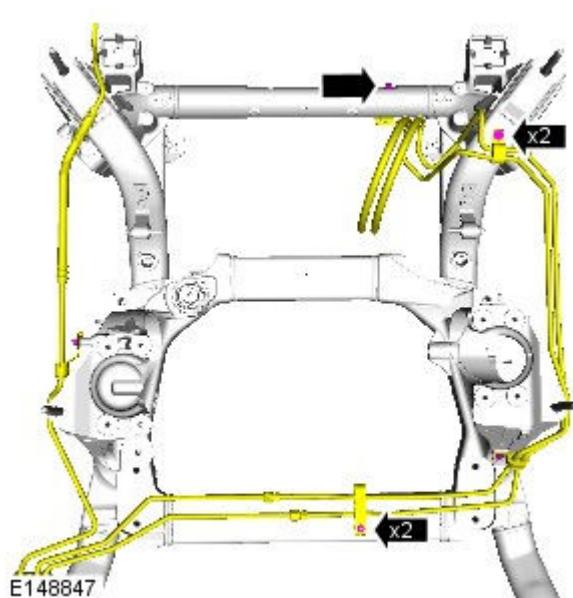
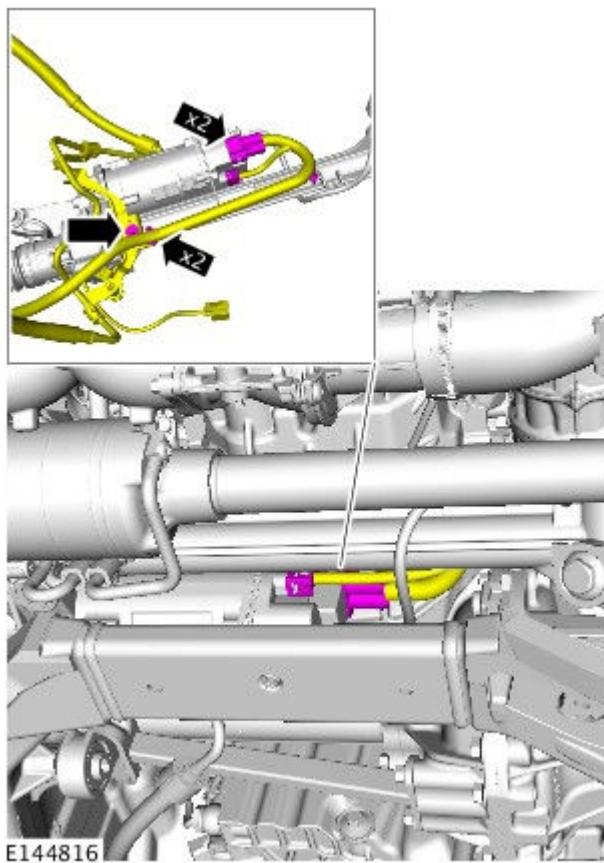
37.



38.



39.

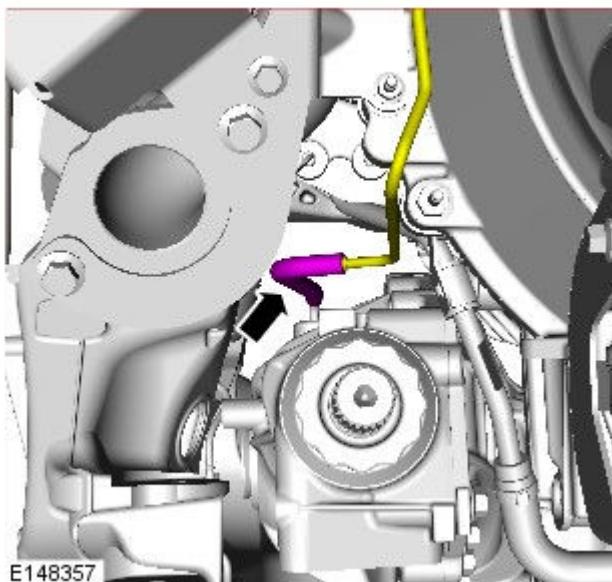


40. 注意： 如已配备。

41. 小心： 拆除变速器支撑横梁时，必须保持支撑变速器。

参阅：[前驱动轴 - TDV6 3.0 升柴油机 \(205-01 驱动轴, 拆卸和安装\)](#)。

42.



43. 注意: 如已配备。

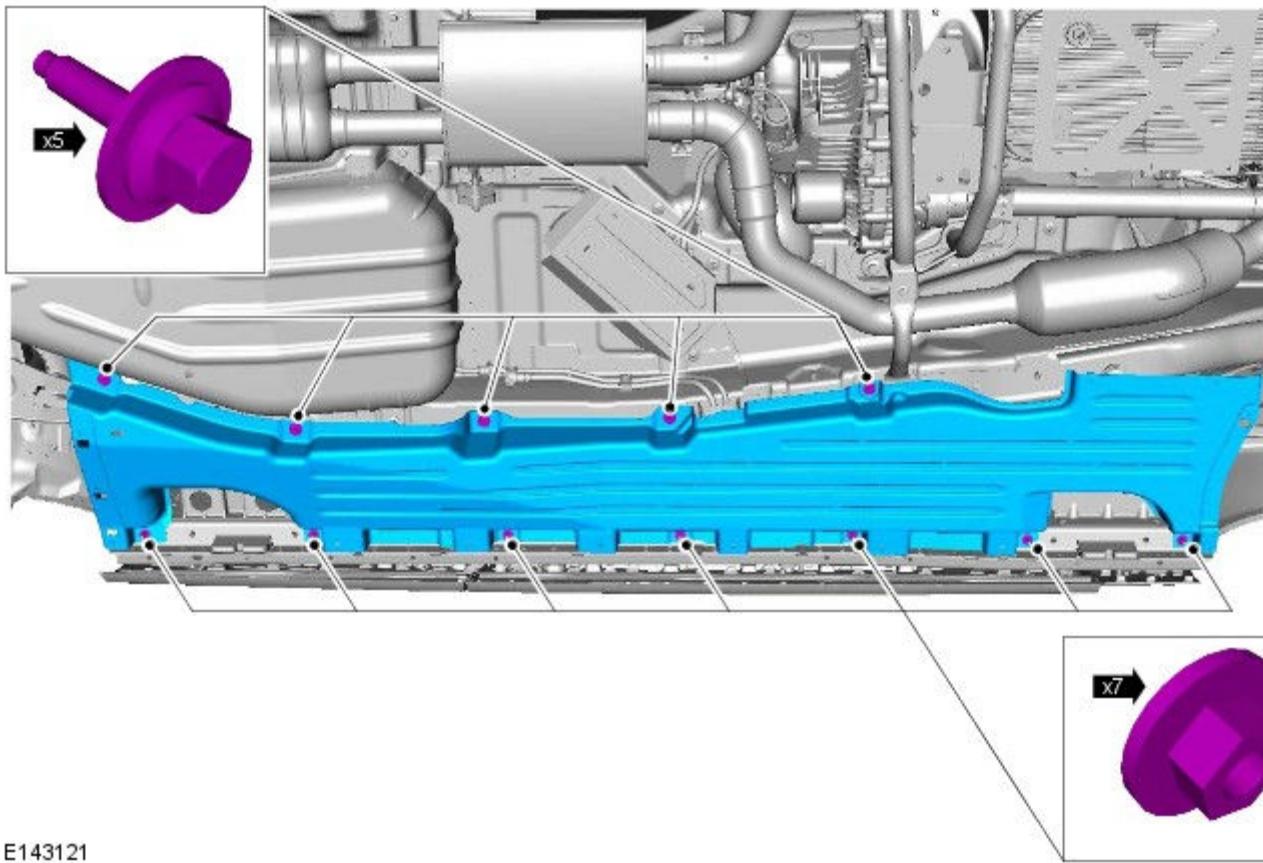
参阅: [前横向稳定杆 \(204-06 行驶与操纵优化, 拆卸和安装\).](#)

44. 注意: 对另一侧重复该步骤。

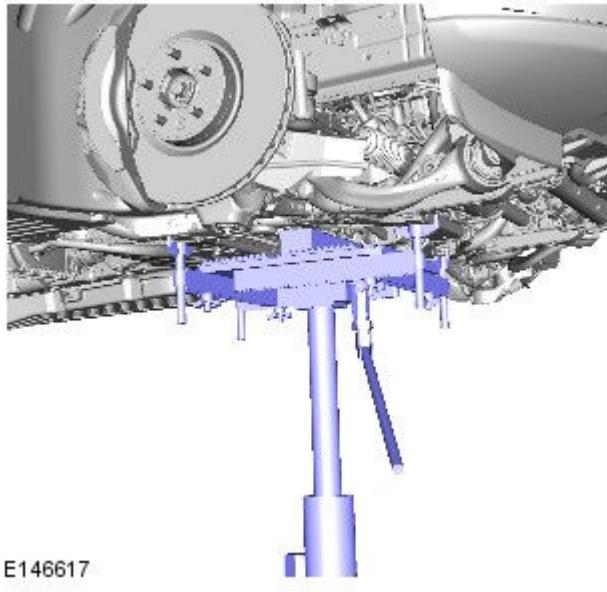
参阅: [后门槛模块 \(501-08 外部装饰, 拆卸和安装\).](#)

45. 小心: 左侧驾驶如图所示, 右侧驾驶相似。

注意: 对另一侧重复该步骤。



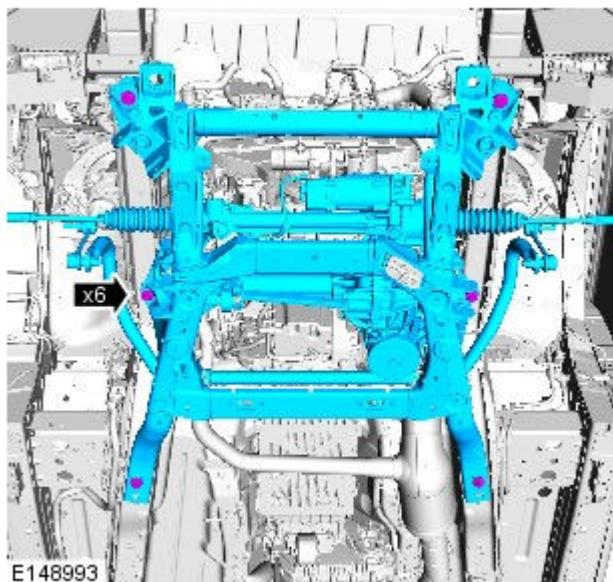
46. 使用合适的液压千斤顶，支撑好前副车架。



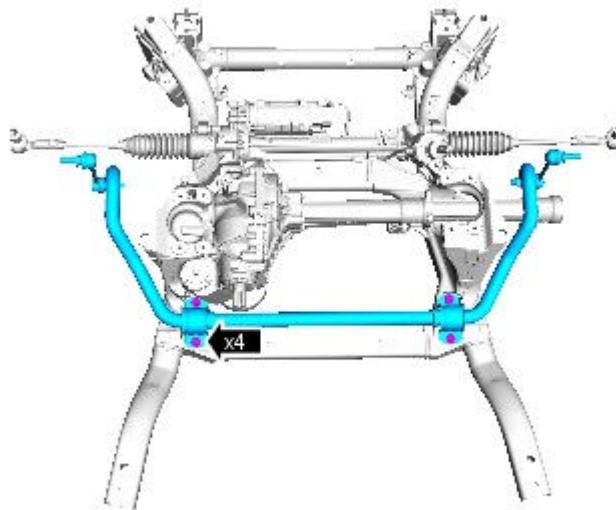
E146617

47. 小心：丢弃 6 个螺栓。

在有人帮助的前提下，卸下前副车架总成。



48. 注意:

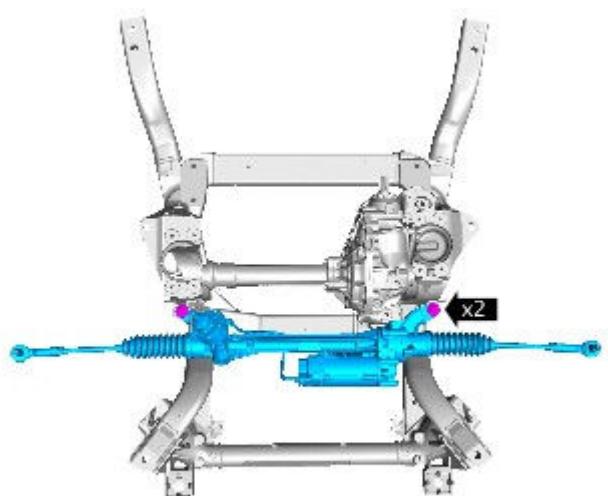


如已配备。

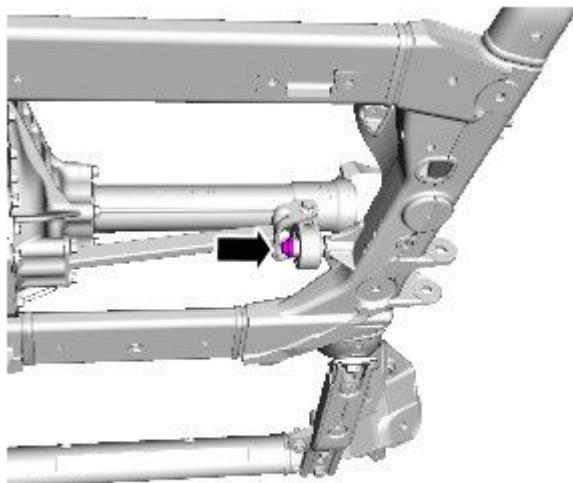


如果拆除部件仅仅为了检修其他部位, 切勿进一步拆卸。

49. 注意: 丢弃螺栓。

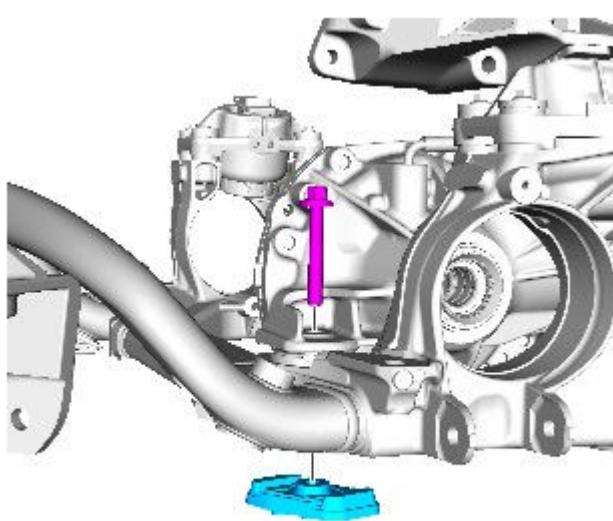


50.



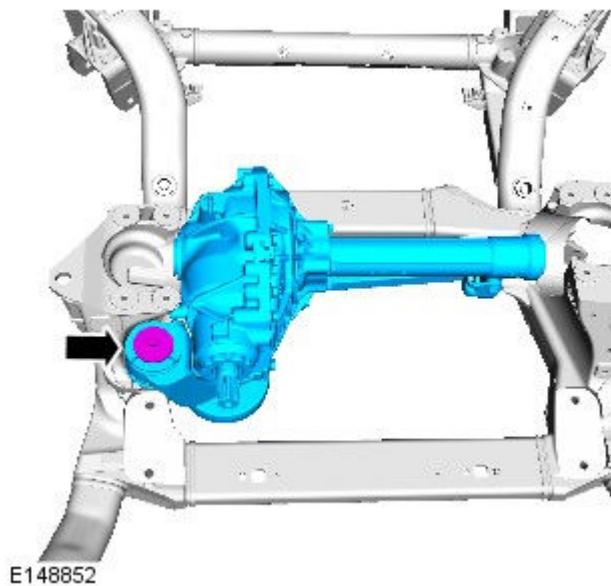
E148851

51.

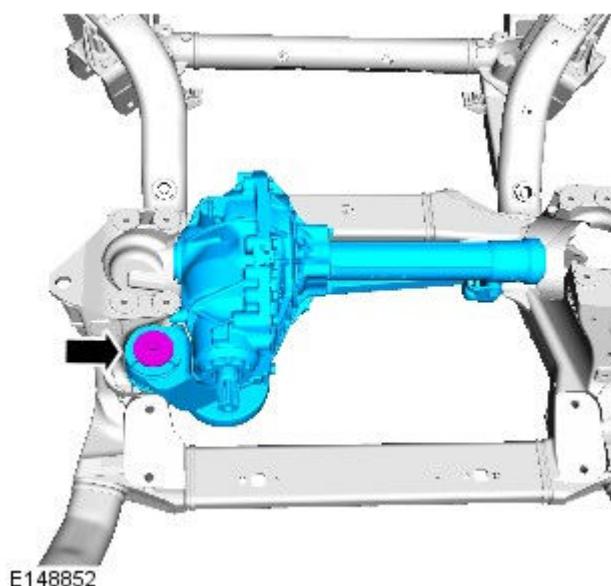


E148354

52.

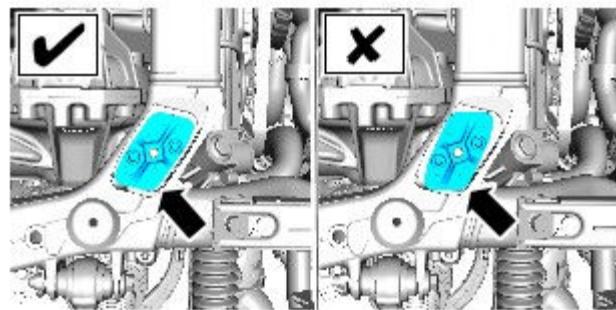
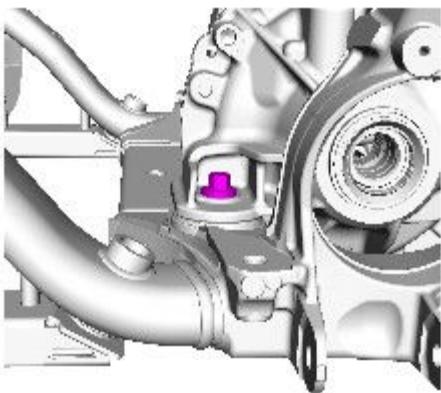


安装



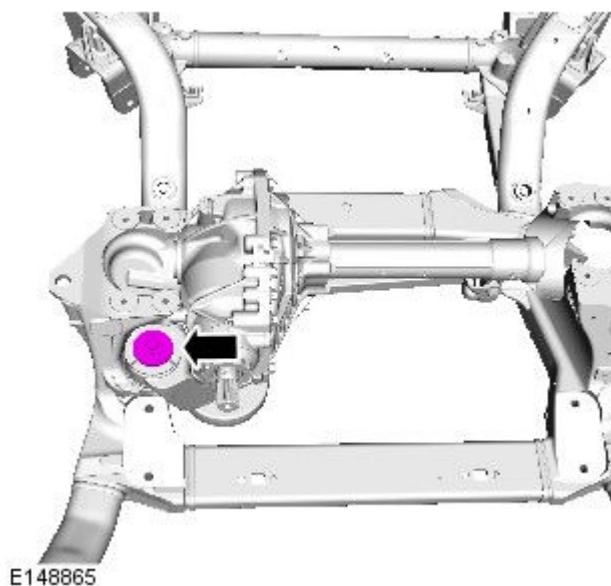
1.  小心： 安装螺栓，用手指拧紧。

2. 扭矩: 110 Nm



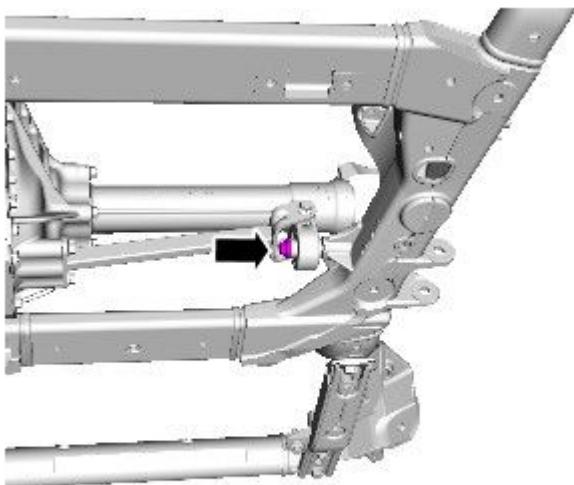
E148361

3. 扭矩: 60 Nm

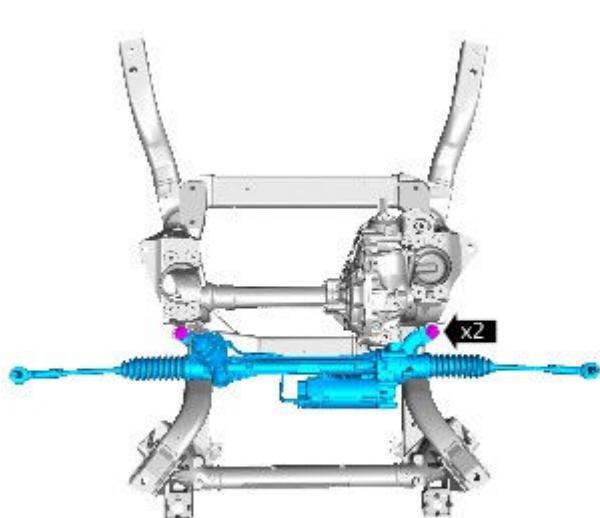


E148865

4. 扭矩: 60 Nm



E148851

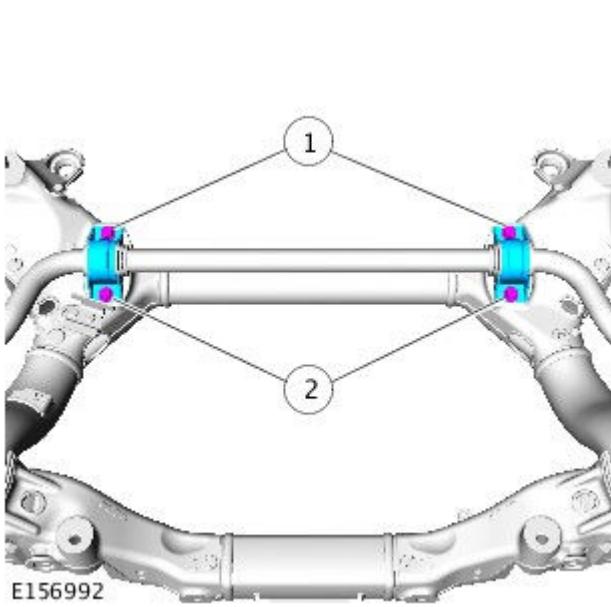


E159377

5. 注意: 确保已安装新螺栓。

扭矩:

级1:100 Nm
级2:240°



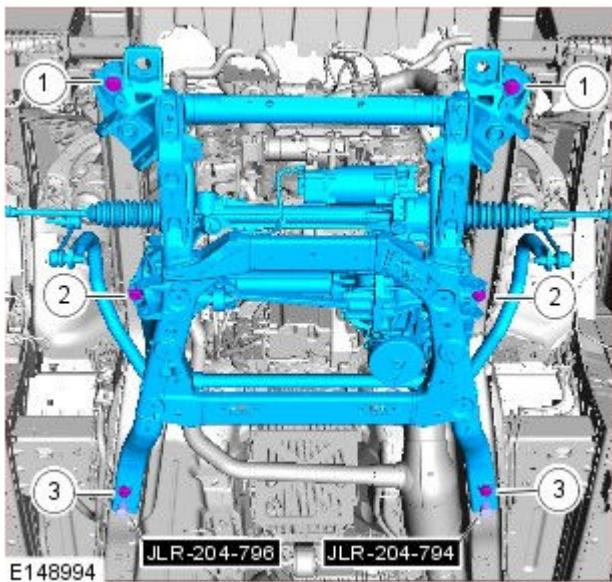
E156992

6. 注意: 如已配备。

在安装过程中按以下顺序拧紧螺栓。

扭矩:

螺栓 1 110 Nm
螺栓 2 110 Nm
螺栓 1 110 Nm



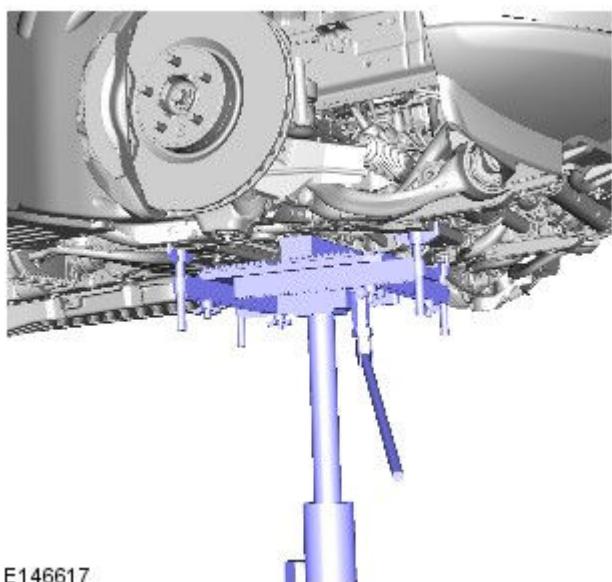
7. 小心： 确保安装 6 个新的螺栓。

在有人帮助的前提下，安装前副车架。

专用工具: [JLR-204-794](#), [JLR-204-796](#)
扭矩:

1	级1: <u>100 Nm</u>
	级2: <u>300°</u>
2	级1: <u>100 Nm</u>
	级2: <u>240°</u>
3	级1: <u>70 Nm</u>
	级2: <u>120°</u>

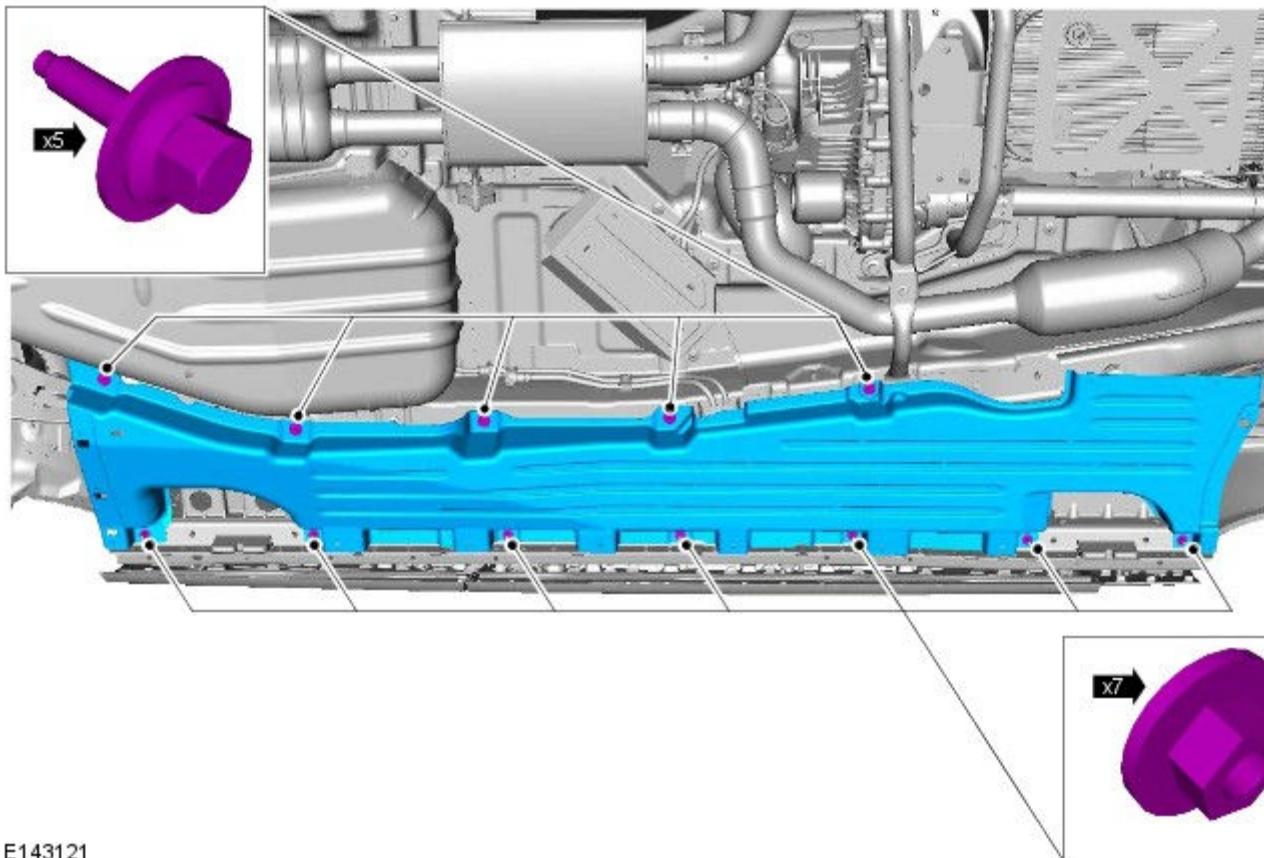
8. 卸下专用工具。



- 9.

10. 小心： 左侧驾驶如图所示，右侧驾驶相似。

注意： 对另一侧重复该步骤。

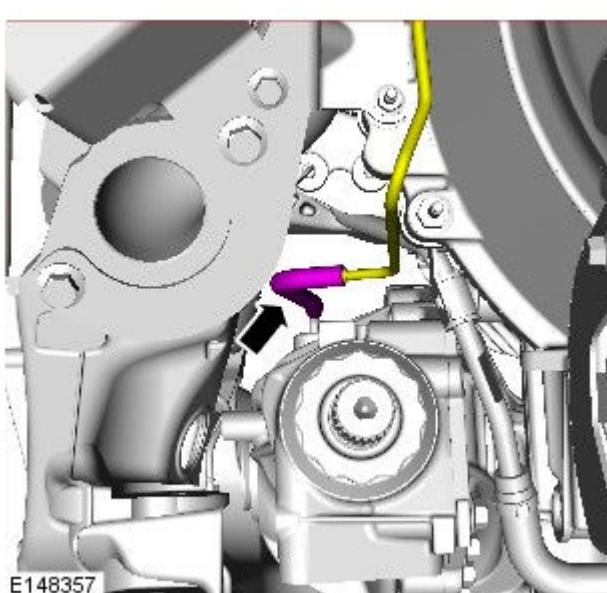


11. 注意: 对另一侧重复该步骤。

参阅: [后门槛模块 \(501-08 外部装饰, 拆卸和安装\).](#)

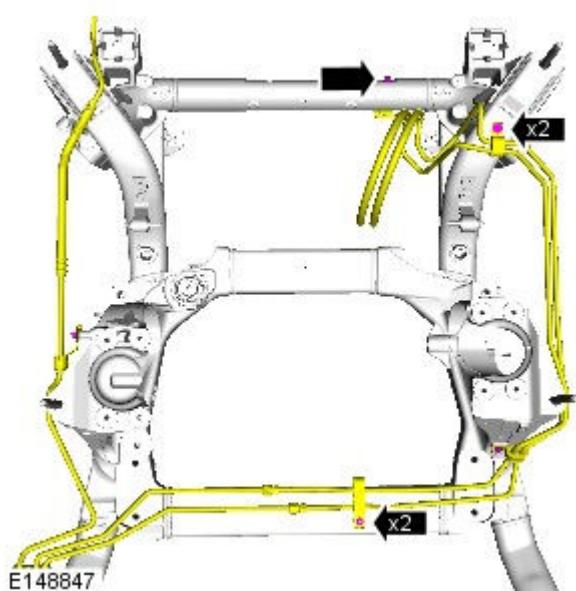
12. 注意: 如已配备。

参阅: [前横向稳定杆 \(204-06 行驶与操纵优化, 拆卸和安装\).](#)



13.

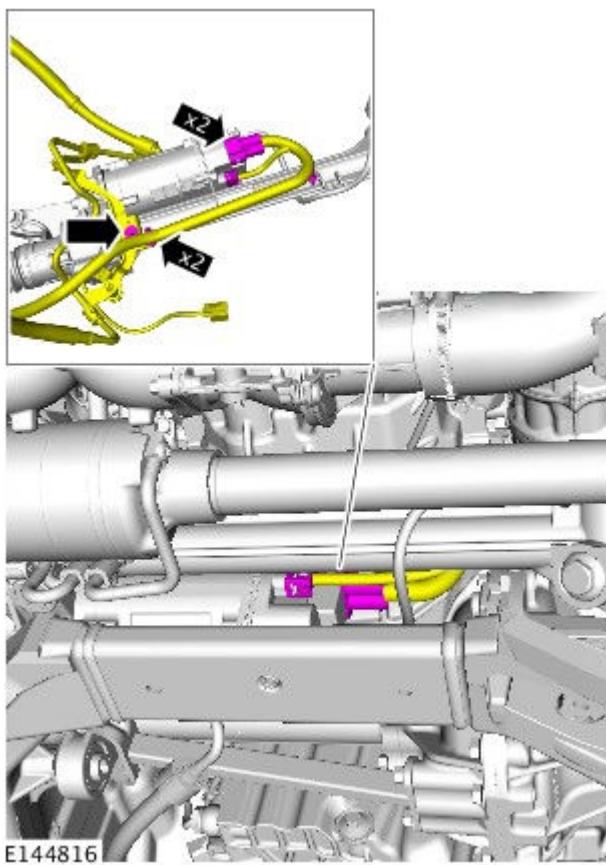
14. 参阅: [前驱动轴 - TDV6 3.0 升柴油机 \(205-01 驱动轴, 拆卸和安装\)](#).



15. 注意: 如已配备。

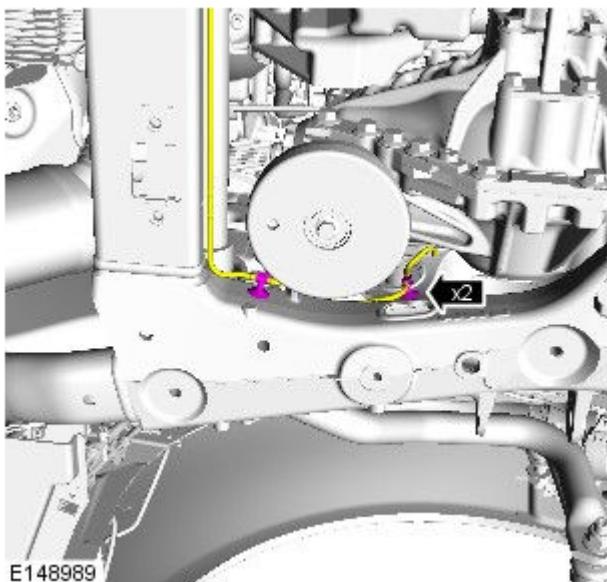
扭矩:

M8 22 Nm
M6 螺母 9 Nm
M6 螺钉 12 Nm

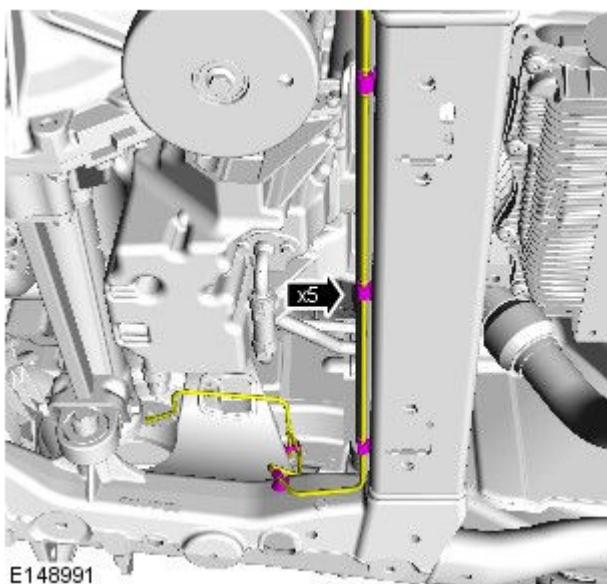


16. 扭矩: 10 Nm

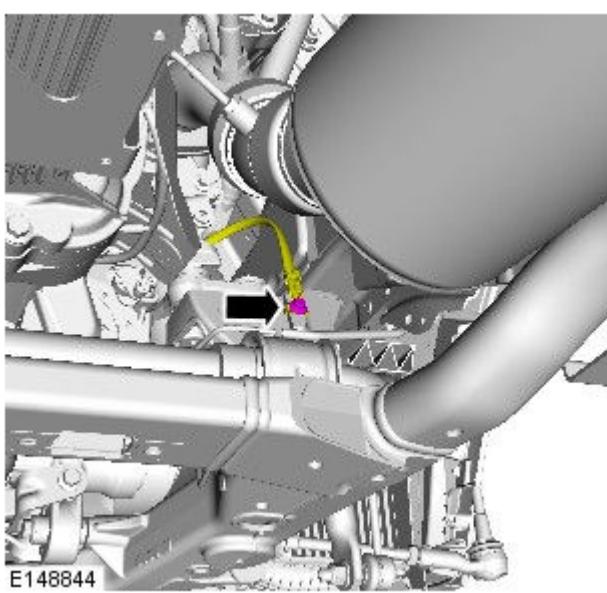
17.

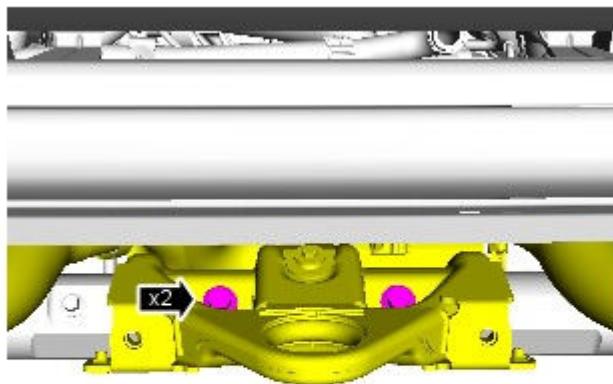


18.



19. 扭矩: 25 Nm

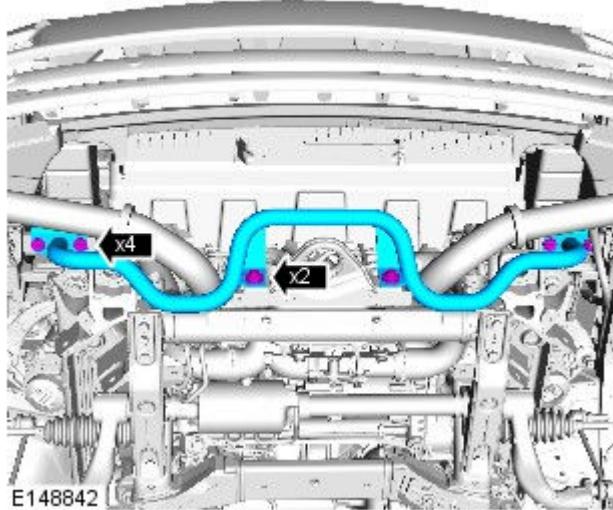




20. 扭矩: 90 Nm

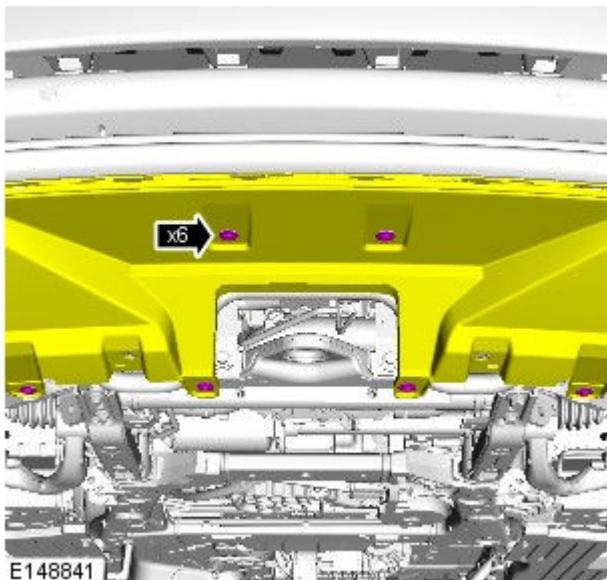
E148843

21. 扭矩:
M10 45 Nm
M12 90 Nm

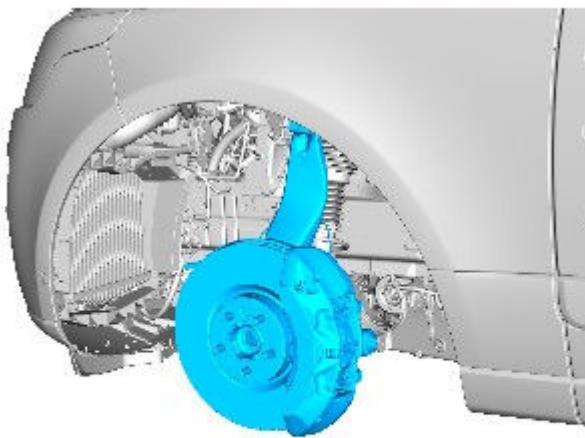


E148842

22.

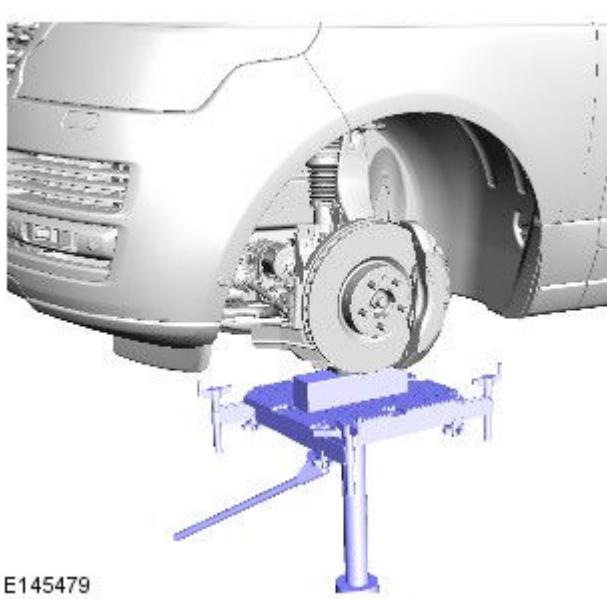


23. 注意: 左侧驾驶如图所示, 右侧驾驶相似。

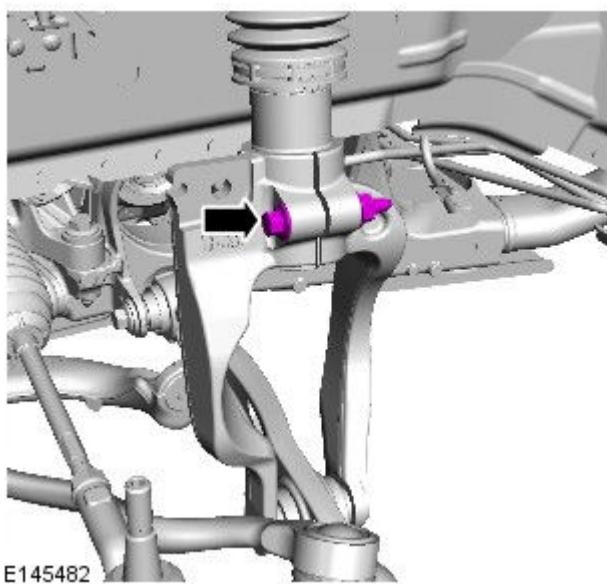


E148840

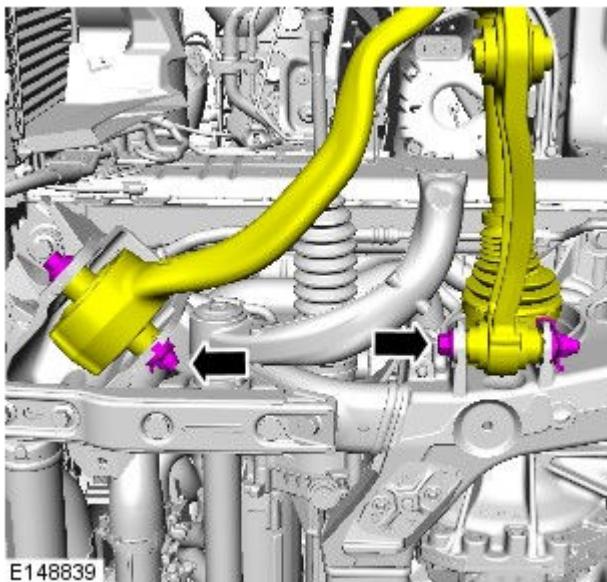
24. 注意: 左侧驾驶如图所示, 右侧驾驶相似。



E145479



25. 注意: 左侧驾驶如图所示, 右侧驾驶相似。
扭矩: 90 Nm



26. 小心: 仅在悬架系统处于正常行驶位置时, 才拧紧螺母和螺栓。

注意:

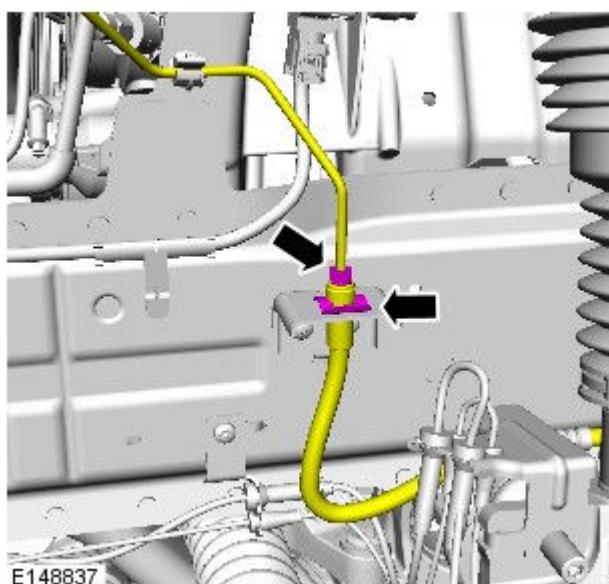
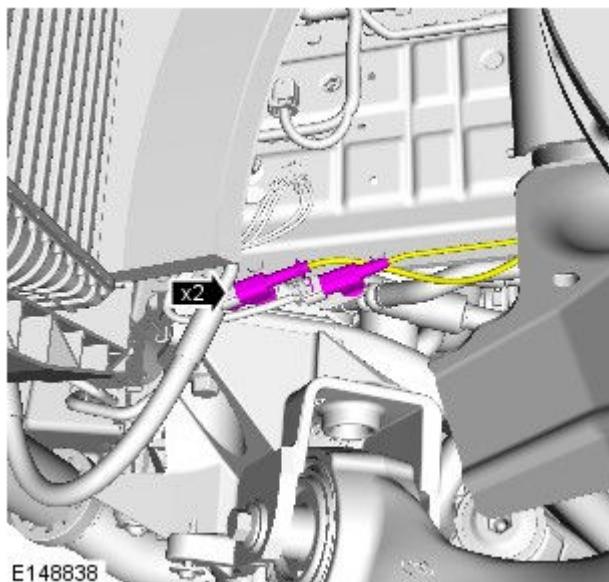
确保安装新螺母和螺栓。

左侧驾驶如图所示, 右侧驾驶相似。

扭矩:

前下臂螺栓
级1: <u>80 Nm</u>
级2: <u>300°</u>
后下臂螺栓
级1: <u>100 Nm</u>
级2: <u>360°</u>

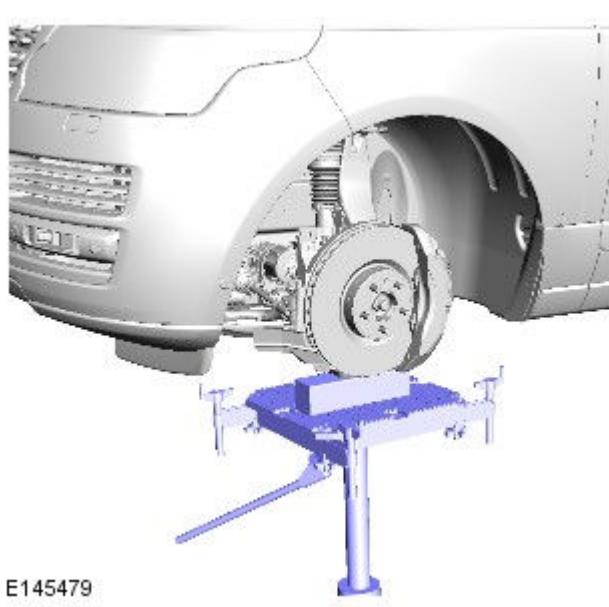
27. 注意: 左侧驾驶如图所示, 右侧驾驶相似。



28. 小心: 确保该组件周围的区域干净且没有杂质。

注意: 左侧驾驶如图所示, 右侧驾驶相似。

扭矩: 16 Nm

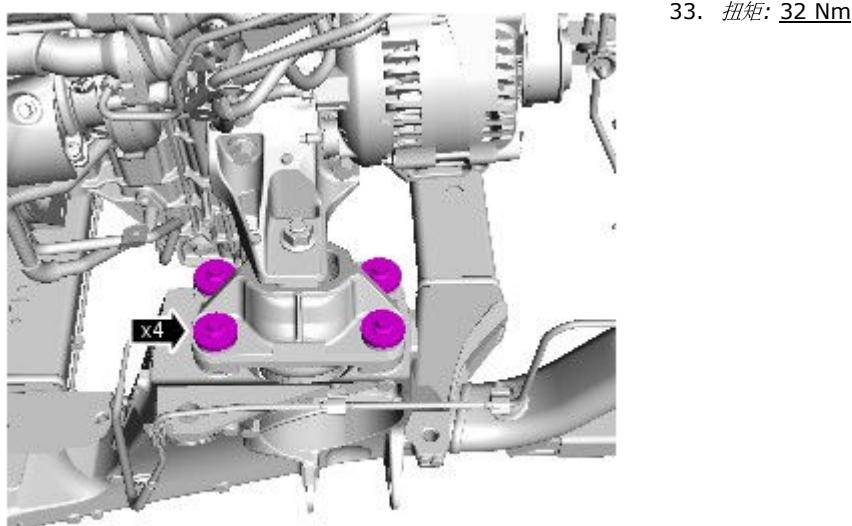


29. 注意: 左侧驾驶如图所示, 右侧驾驶相似。

30. 对另一侧重复上述 7 个步骤。

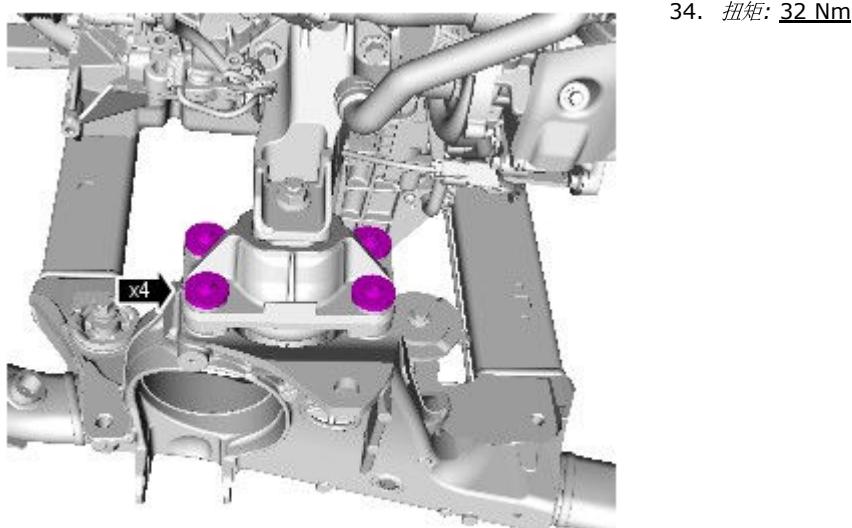
31. 参阅: [前半轴RH](#) (205-04 前驱动半轴, 拆卸和安装).

32. 参阅: [前半轴LH](#) (205-04 前驱动半轴, 拆卸和安装).



E148992

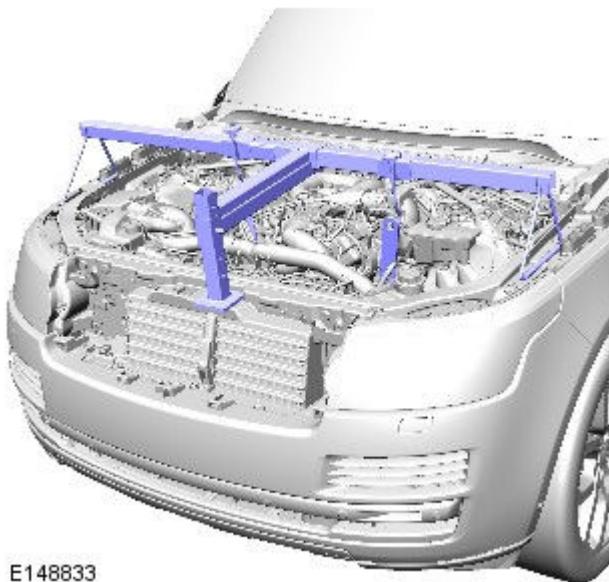
33. 扭矩: 32 Nm



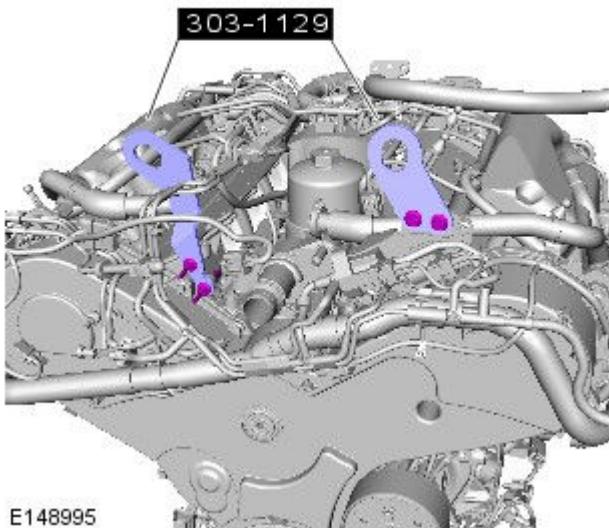
E148990

34. 扭矩: 32 Nm

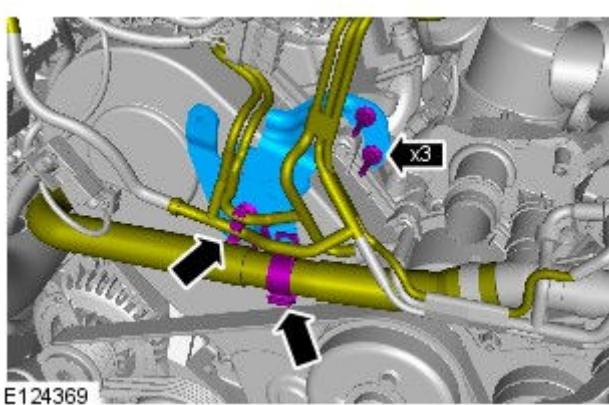
35.



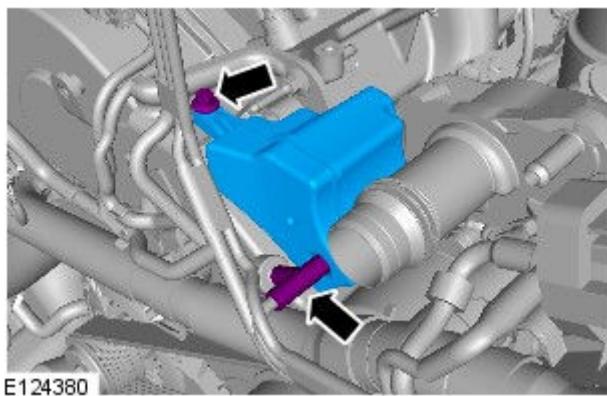
36. 专用工具: [303-1129](#)



37. 扭矩: 8 Nm

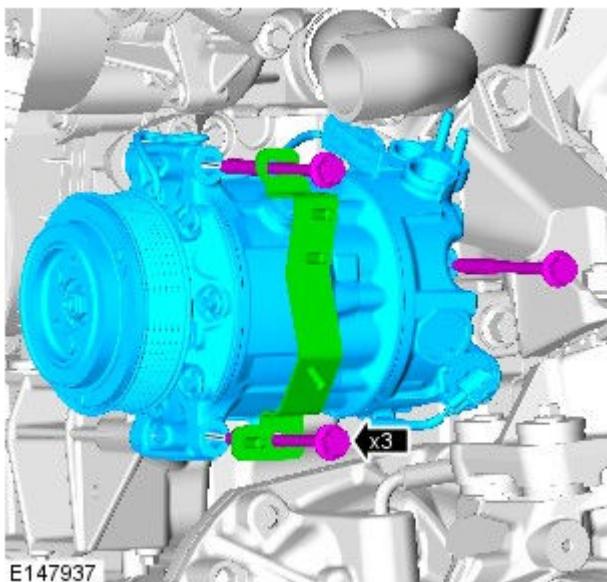


38. 扭矩: 8 Nm



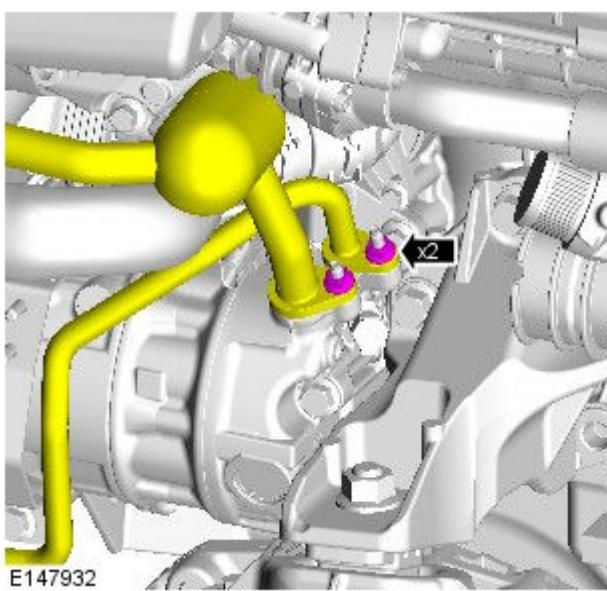
39. 参阅: [进气切断节气门](#) (303-04A 加油和控件 - TDV6 3.0 升柴油机, 拆卸和安装).

40. 扭矩: 25 Nm

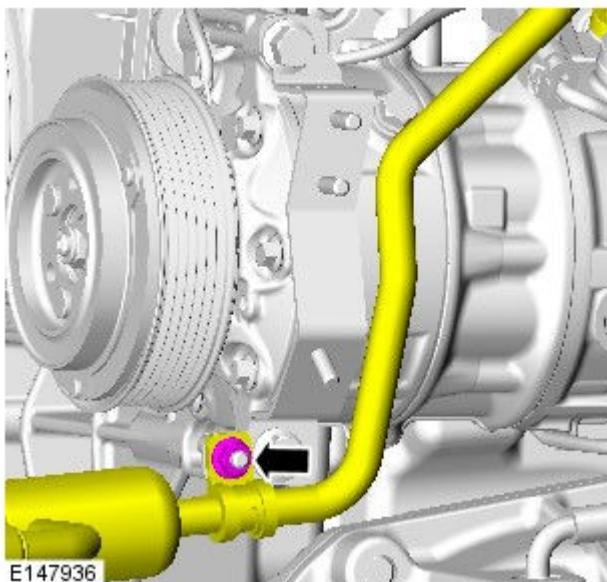


41. 小心: 安装新O形密封圈。

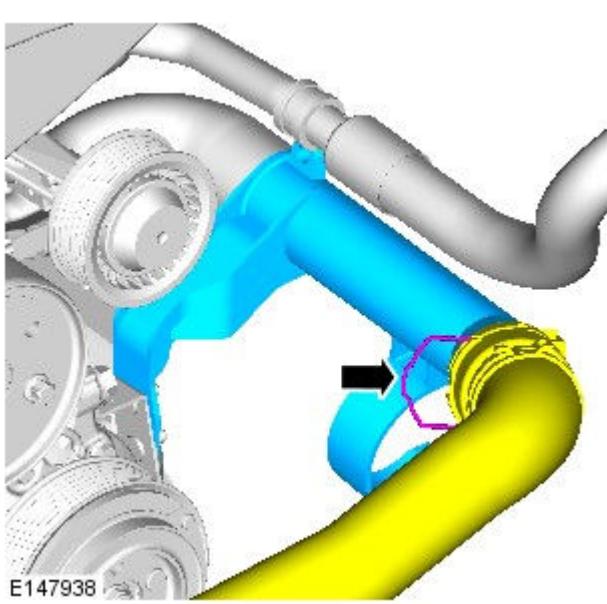
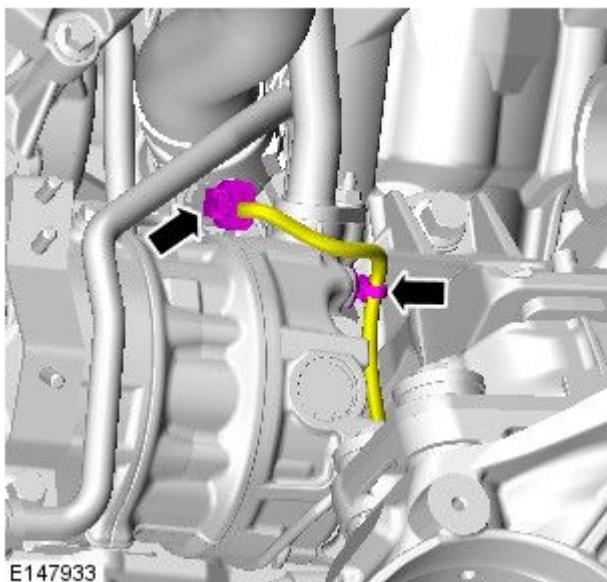
扭矩: 18 Nm



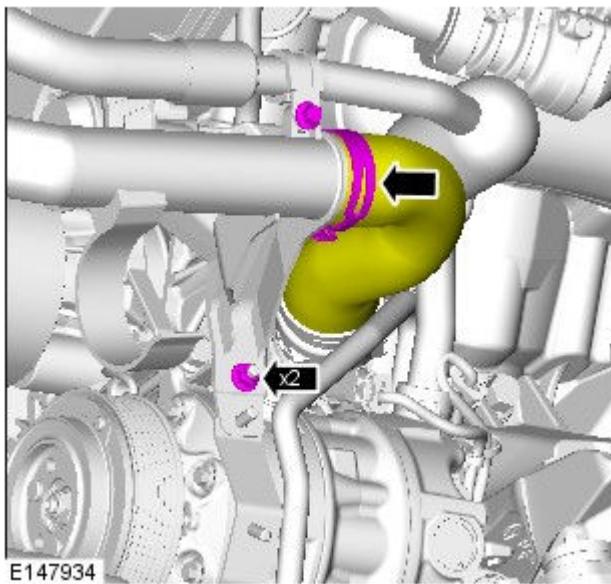
42. 扭矩: 6 Nm



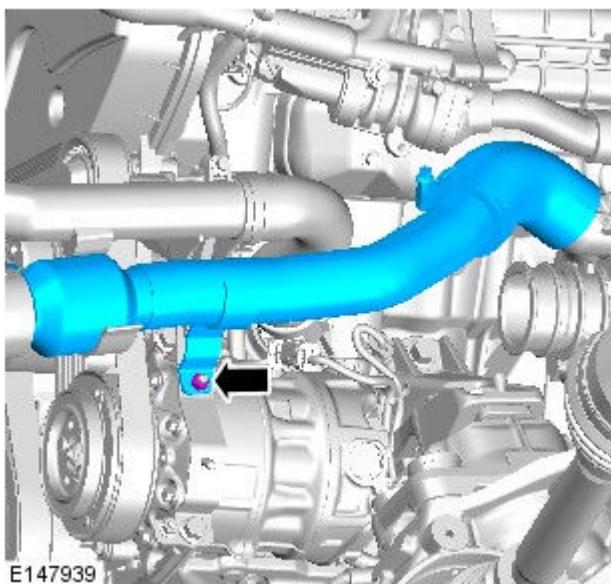
43.



44.

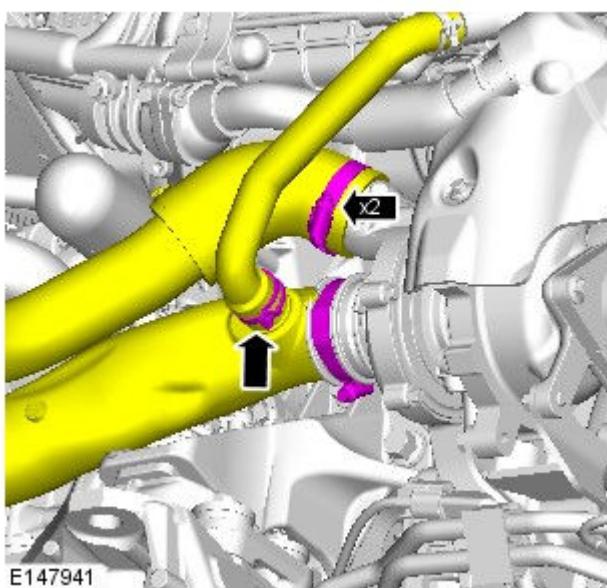
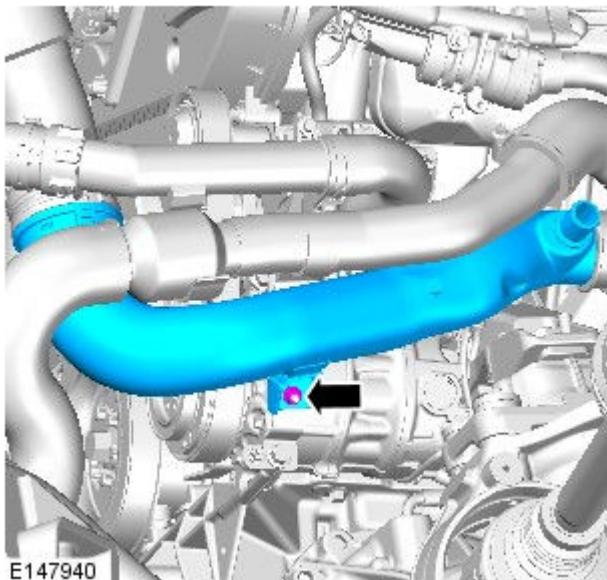


45. 扭矩: 6 Nm

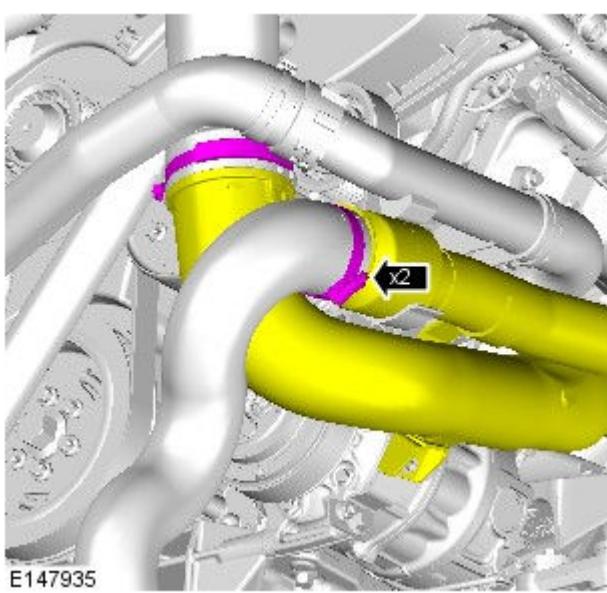


46. 扭矩: 6 Nm

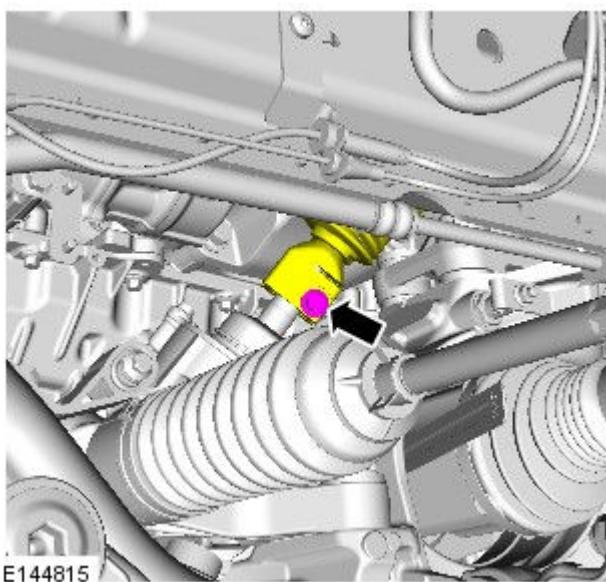
47. 扭矩: 6 Nm



48. 注意: 确保固定卡夹已正确安装并拧紧。



49. 注意: 确保固定卡夹已正确安装并拧紧。



50.  小心： 确保安装一个新螺栓。

 注意： 所示为 LHD, RHD 与之类似。
使用合适的工具清洁螺纹。

扭矩: 30 Nm

51. 参阅: [发电机 \(414-02A 发电机和调节器 - TDV6 3.0 升柴油机, 拆卸和安装\).](#)

52. 参阅: [散热器 \(303-03A 发动机冷却 - TDV6 3.0 升柴油机, 拆卸和安装\).](#)

53. 连接蓄电池接地电缆。

参阅: [规格 \(414-00 蓄电池和充电系统 - 一般信息, 规格\).](#)

54. 参阅: [制动系统放气 - 车辆配备: 标准制动 \(206-00 制动系统 - 常规信息, 一般步骤\).](#)

参阅: [制动系统放气 - 车辆配备: 高性能制动 \(206-00 制动系统 - 常规信息, 一般步骤\).](#)

55. 参阅: [四轮定位 \(204-00 悬架系统 - 常规信息, 一般步骤\).](#)