

2016.0 RANGE ROVER (LG), 502-00

UNI-BODY, SUBFRAME AND MOUNTING SYSTEM

REAR SUBFRAME (G1717099)

REMOVAL AND INSTALLATION

SPECIAL TOOL(S)



**JLR-204-
798**

Alignment Pins,
Subframe

REMOVAL

CAUTION:

Make sure that all openings are sealed. Use new blanking caps.

NOTES:

- Removal steps in this procedure may contain installation details.
- Some variation in the illustrations may occur, but the essential information is always correct.

1.

CAUTION:

This step must be carried out in order to maintain the correct air suspension compressor/dryer performance.

Using the approved diagnostic equipment, depressurize the rear springs.

Refer to: [Air Suspension System Depressurize and Pressurize](#) (204-05 Vehicle Dynamic Suspension, General Procedures).

2. Disconnect the battery ground cable.

Refer to: [Specifications](#) (414-00 Battery and Charging System - General Information, Specifications).

3. Raise and support the vehicle.

4. Remove the rear wheels and tires.

Refer to: [Wheel and Tire - GTDi 2.0L Petrol/TDV6 3.0L Diesel /TDV8 4.4L Diesel/V6 S/C 3.0L Petrol /V8 N/A 5.0L Petrol/V8 S/C 5.0L Petrol](#) (204-04 Wheels and Tires, Removal and Installation).

Refer to: [Wheel and Tire - SDV6 3.0L Diesel - Hybrid Electric Vehicle](#) (204-04 Wheels and Tires, Removal and Installation).

5. Refer to: [Rear Driveshaft - TDV6 3.0L Diesel](#) (205-01, Removal and Installation).

Refer to: [Rear Driveshaft - V6 S/C 3.0L Petrol /V8 S/C 5.0L Petrol](#) (205-01, Removal and Installation).

Refer to: Rear Driveshaft - SDV6 3.0L Diesel - Hybrid Electric Vehicle (205-01, Removal and Installation).

Refer to: Rear Driveshaft - TDV8 4.4L Diesel (205-01, Removal and Installation).

Refer to: Front Driveshaft - GTDi 2.0L Petrol (205-01, Removal and Installation).

6.

WARNING:

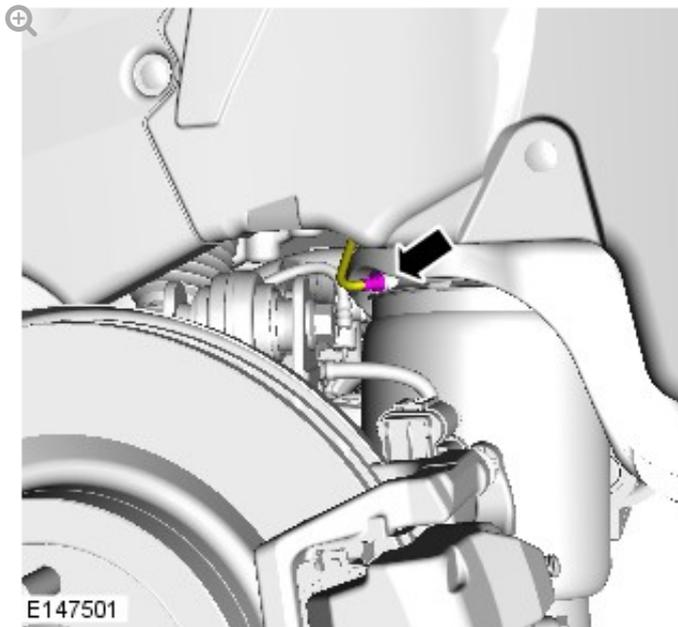
A small amount of air maybe released when removing the air line connector.

CAUTION:

Before disconnecting or removing the components, make sure the area around the joint faces and connections are clean. Plug open connections to prevent contamination.

NOTES:

- LH illustration shown, RH is similar.
- Discard the air line connector.
- Repeat the procedure for the other side.



7.

WARNING:

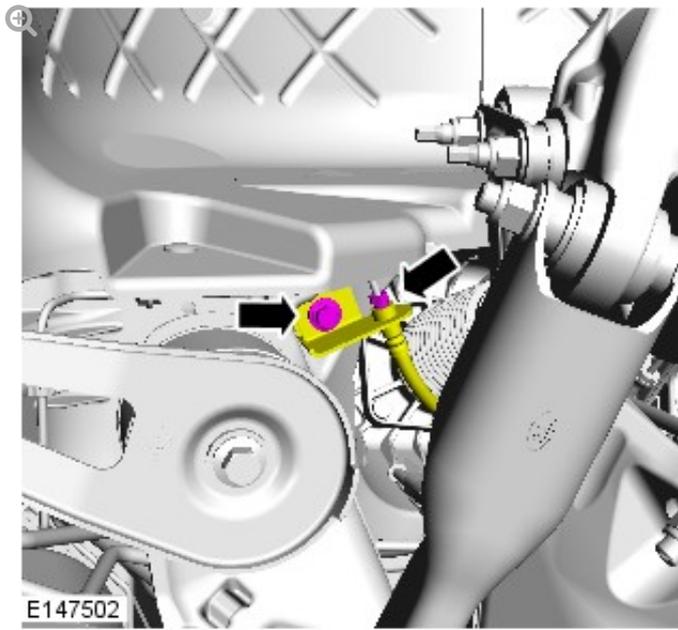
Be prepared to catch escaping fluid.

CAUTION:

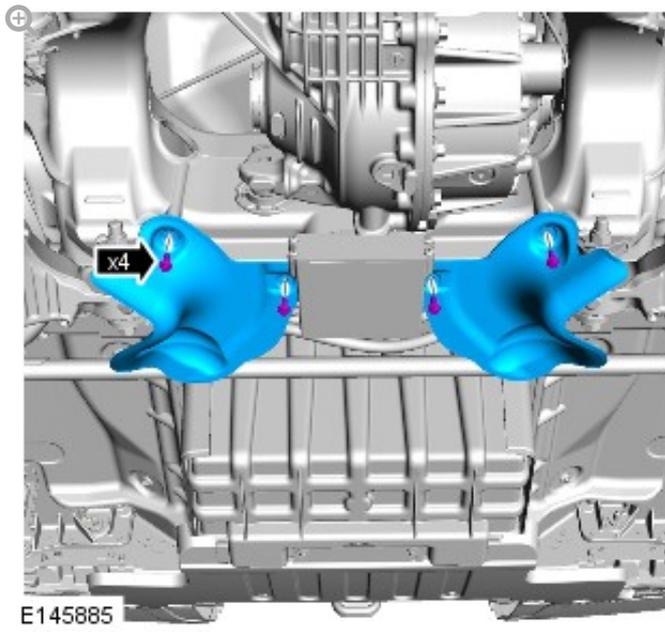
Brake fluid will damage paint finished surfaces. If spilled, immediately remove the fluid and clean the area with water.

NOTES:

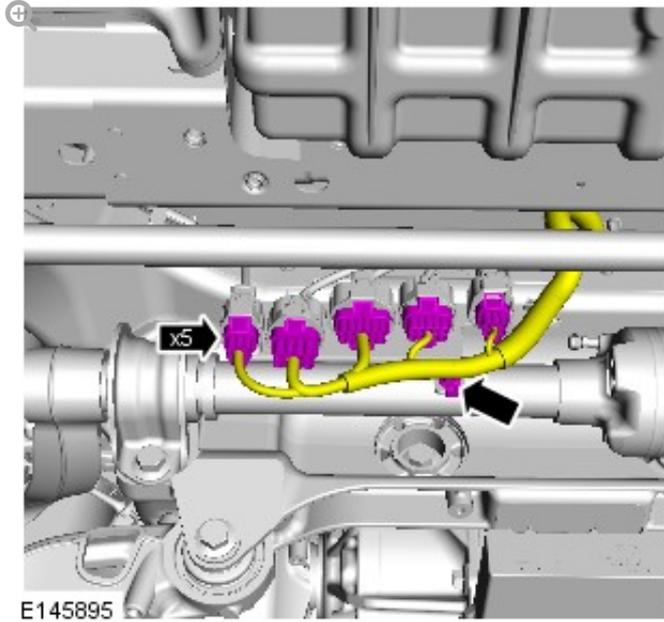
- LH illustration shown, RH is similar.
- Repeat the procedure for the other side.



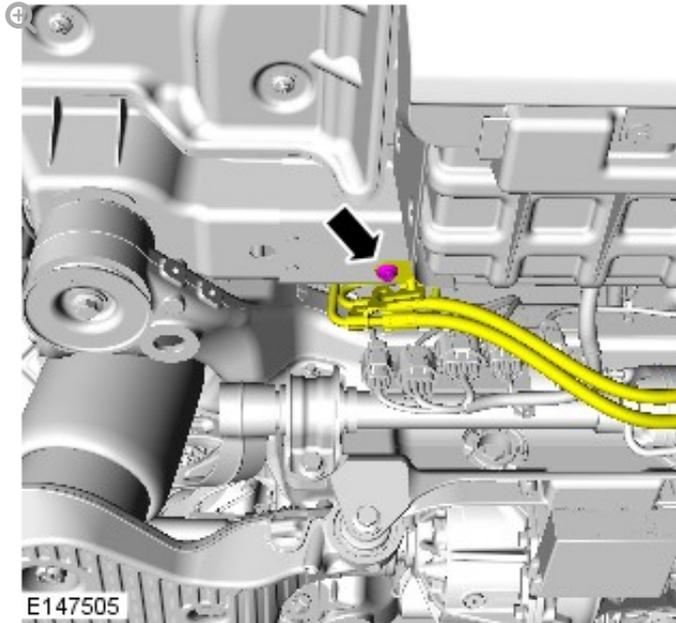
8.



9.



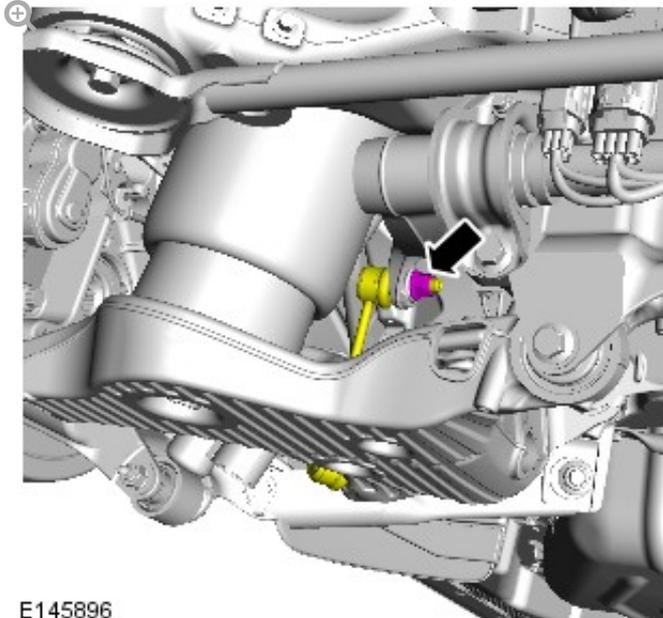
10.



11.

NOTES:

- LH illustration shown, RH is similar.
- Repeat the procedure for the other side.



E145896

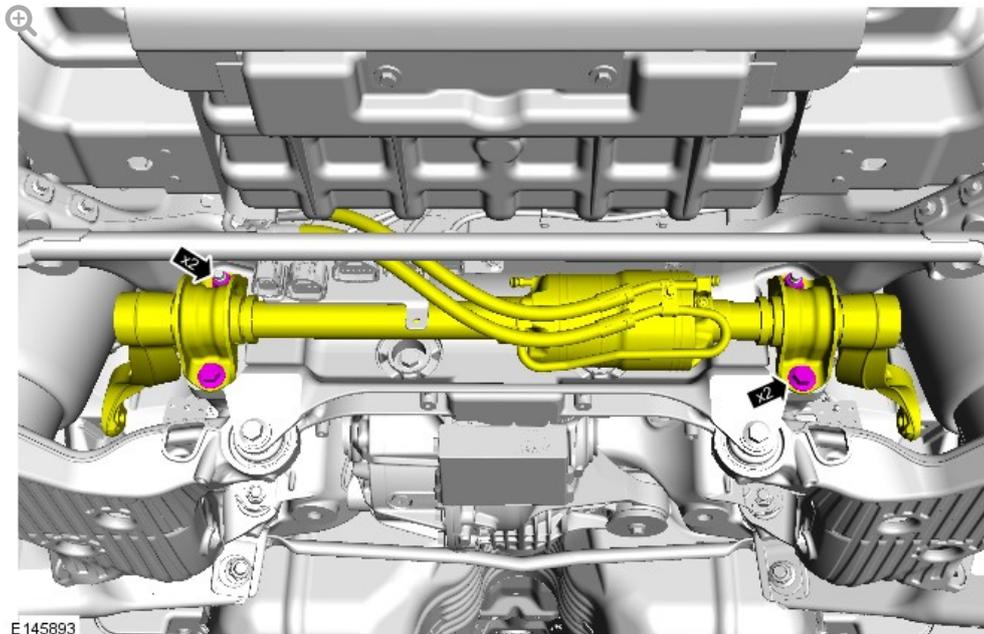
12.

CAUTION:

Make sure that the component is not suspended by the fluid hoses.

NOTE:

If equipped.

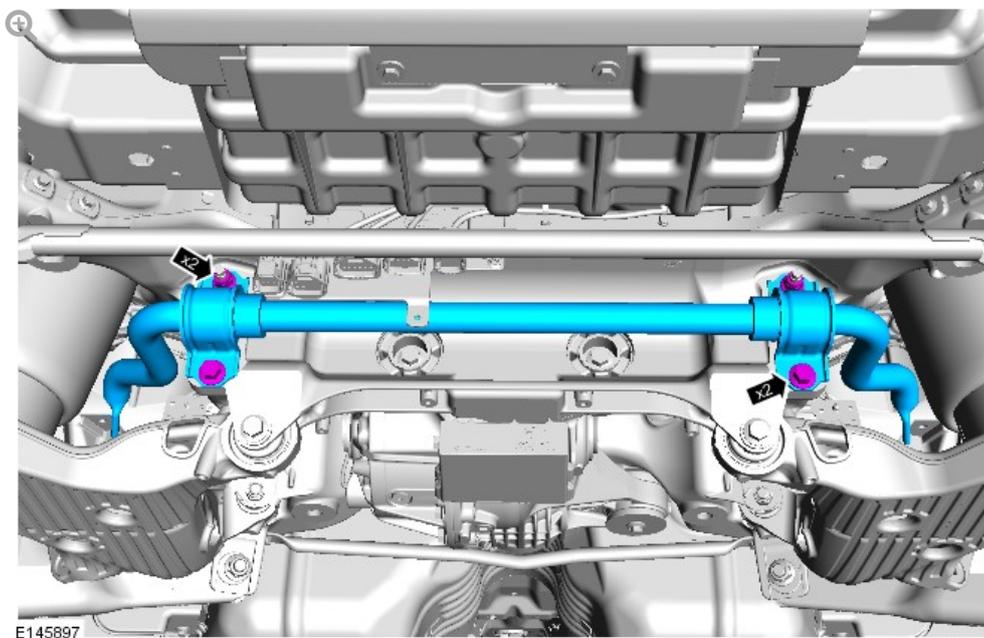


Tie aside.

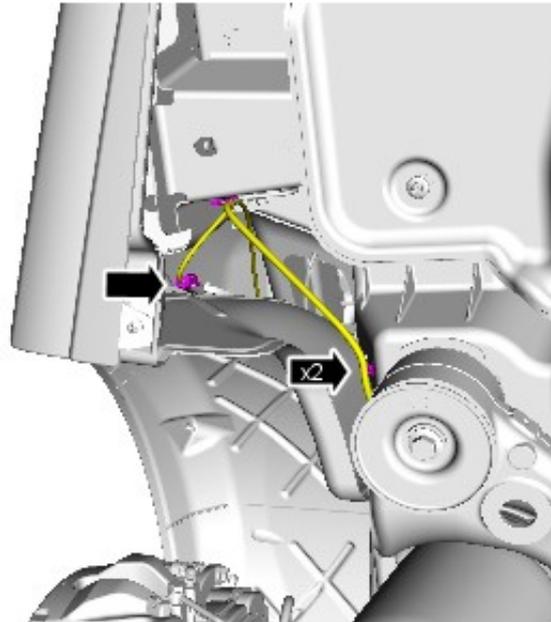
13.

NOTE:

If equipped.



14.



E147503

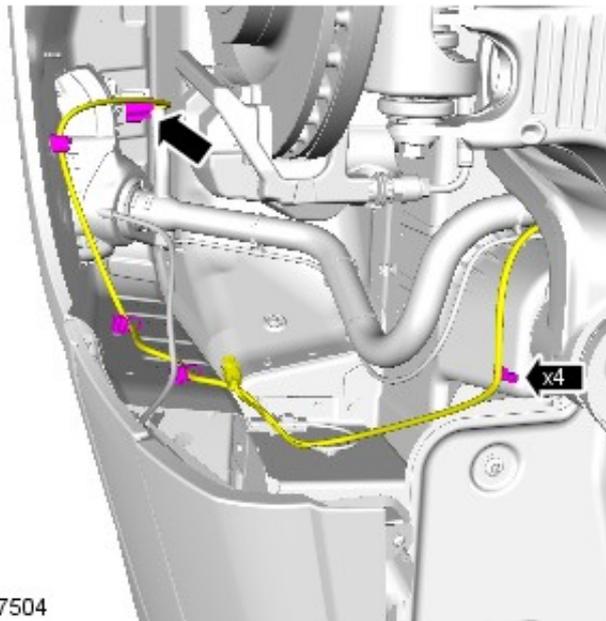
15.

NOTE:

RH side only.

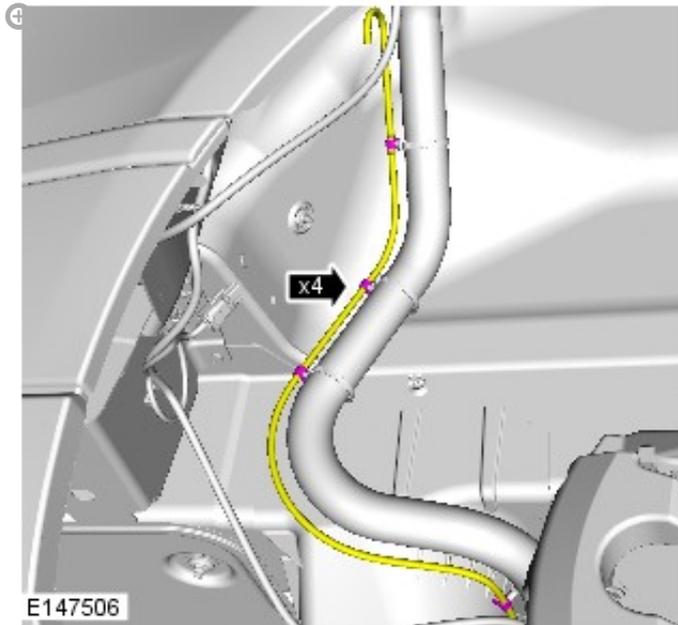
Refer to: [Rear Wheel Arch Liner](#) (501-08 Exterior Trim and Ornamentation, Removal and Installation).

16.



E147504

17.



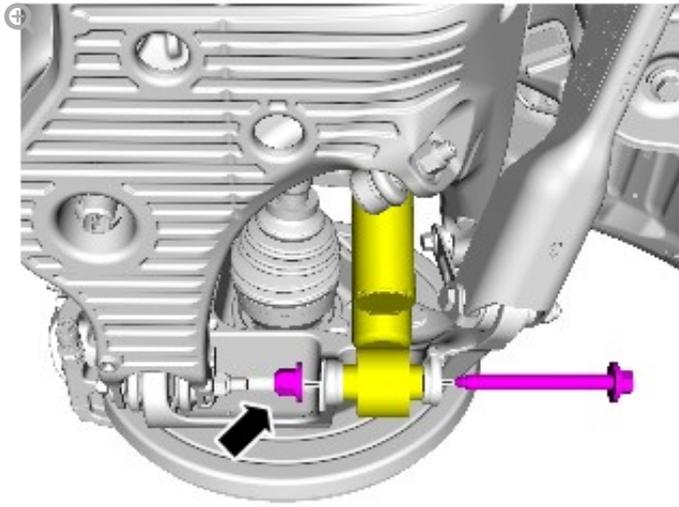
18.

CAUTION:

Discard the nut and bolt.

NOTES:

- LH illustration shown, RH is similar.
- Repeat the procedure for the other side.



E147507

19.

NOTE:

Repeat the procedure for the other side.

Refer to: [Rear Rocker Panel Moulding - Standard Wheel Base \(501-08 Exterior Trim and Ornamentation, Removal and Installation\)](#).

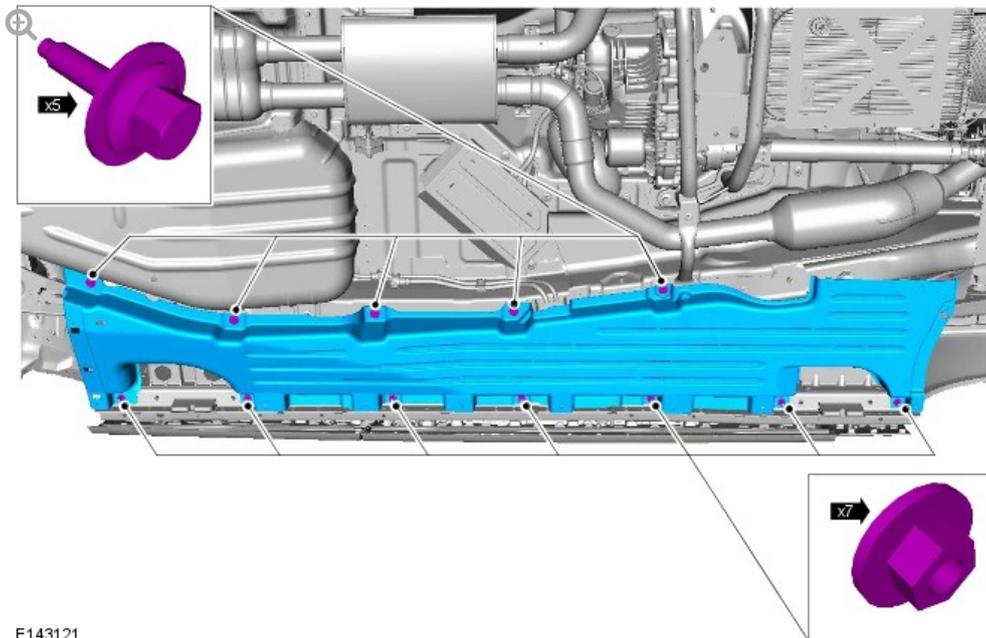
20.

CAUTION:

LH illustration shown, RH is similar.

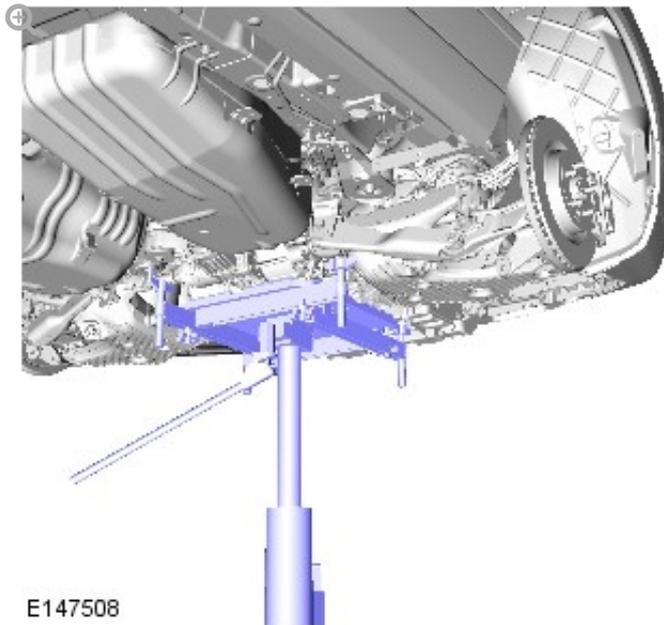
NOTE:

Repeat the procedure for the other side.



E143121

21.

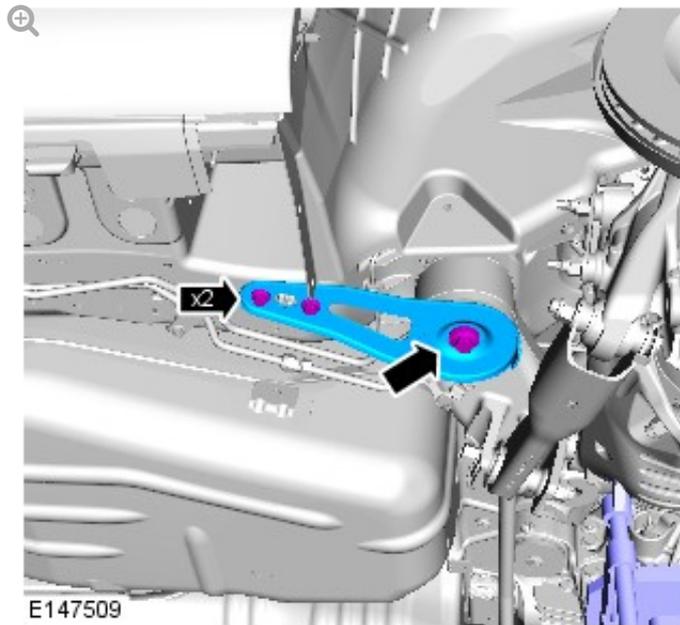


E147508

22.

NOTES:

- LH illustration shown, RH is similar.
- Repeat the procedure for the other side.



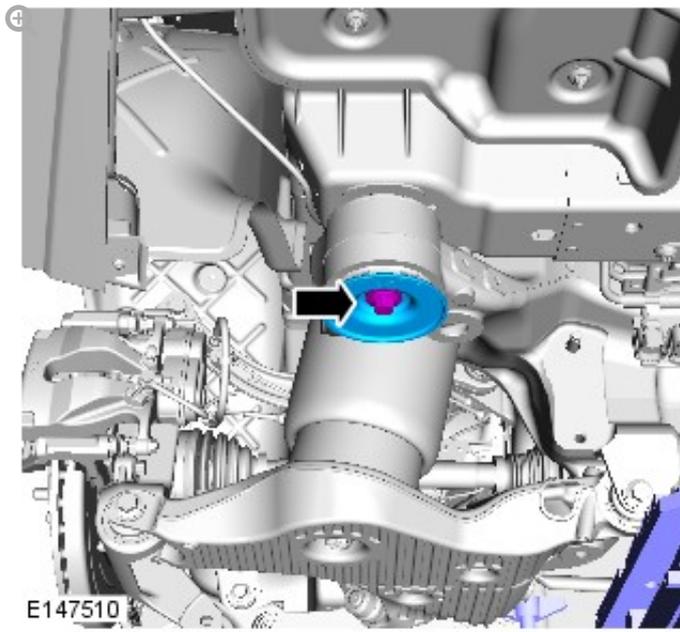
23.

CAUTION:

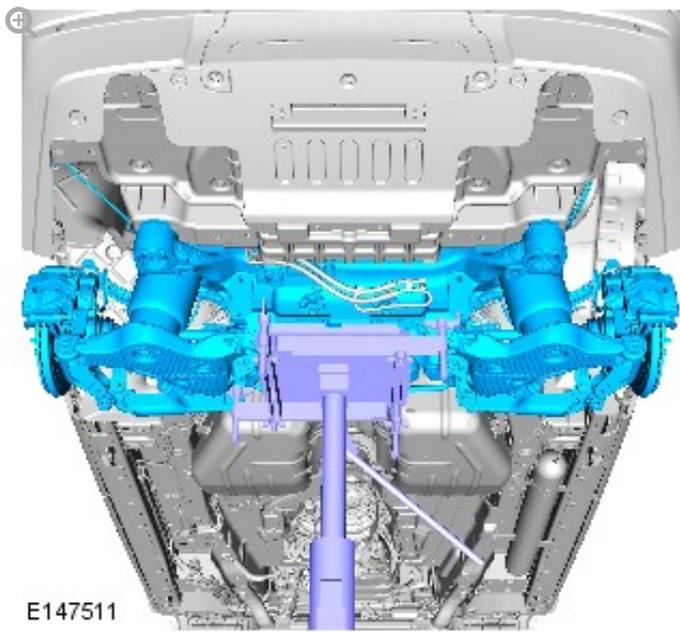
Discard the bolts.

NOTES:

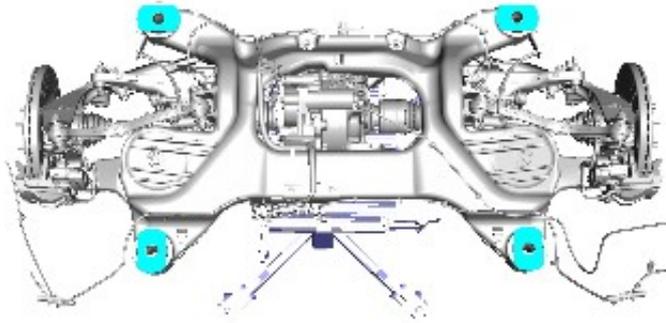
- LH illustration shown, RH is similar.
- Repeat the procedure for the other side.



24.



25.

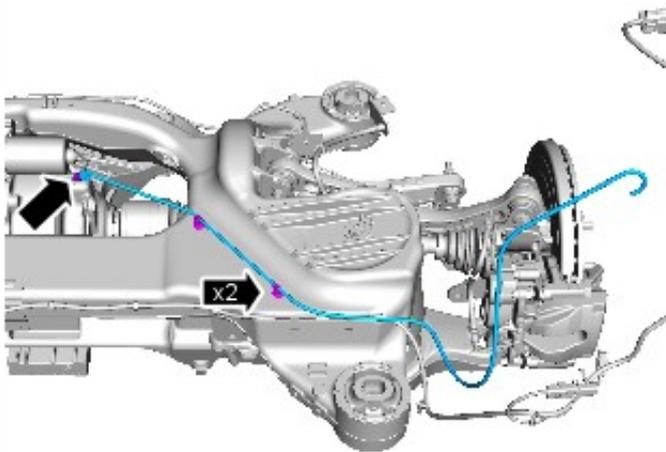


E147512

26.

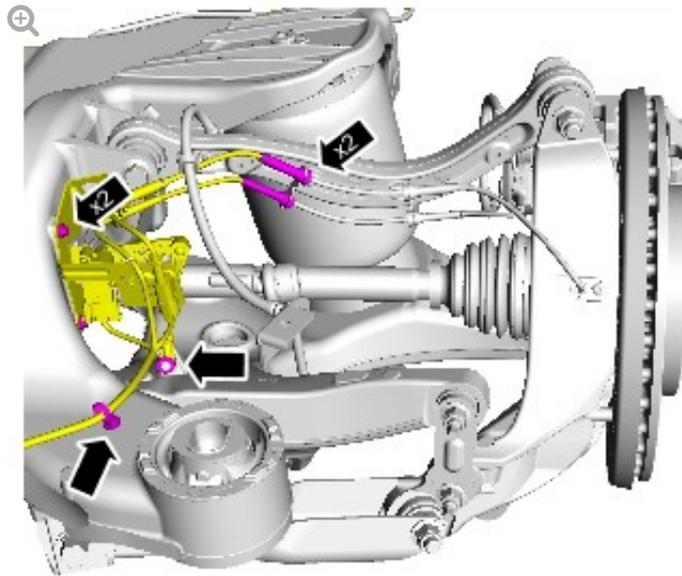
NOTE:

Do not disassemble further if the component is removed for access only.



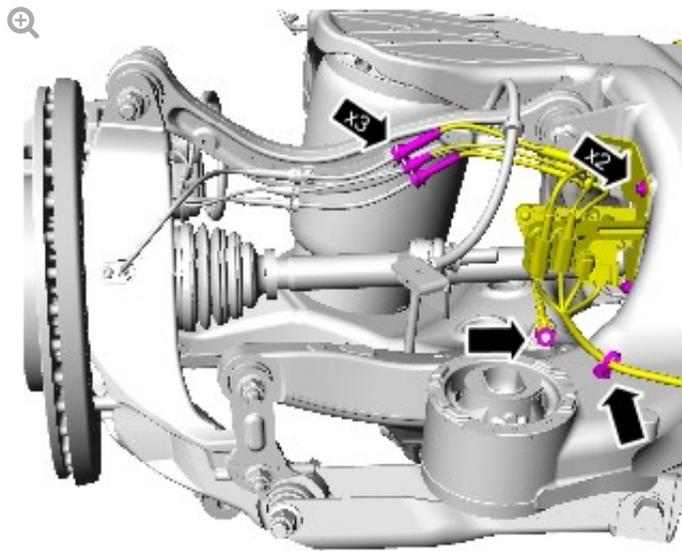
E147513

27.



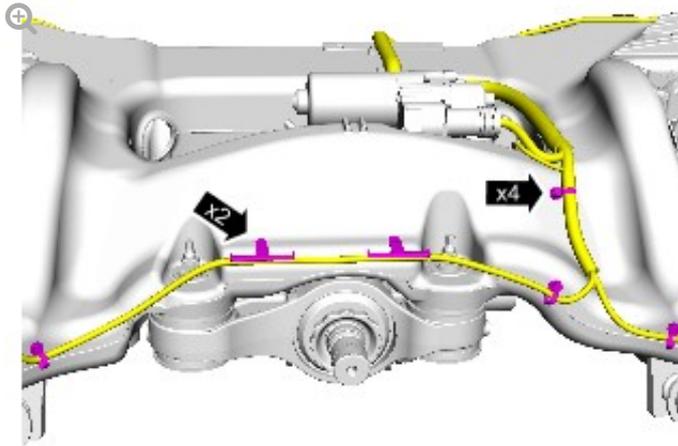
E147514

28.



E147515

29.

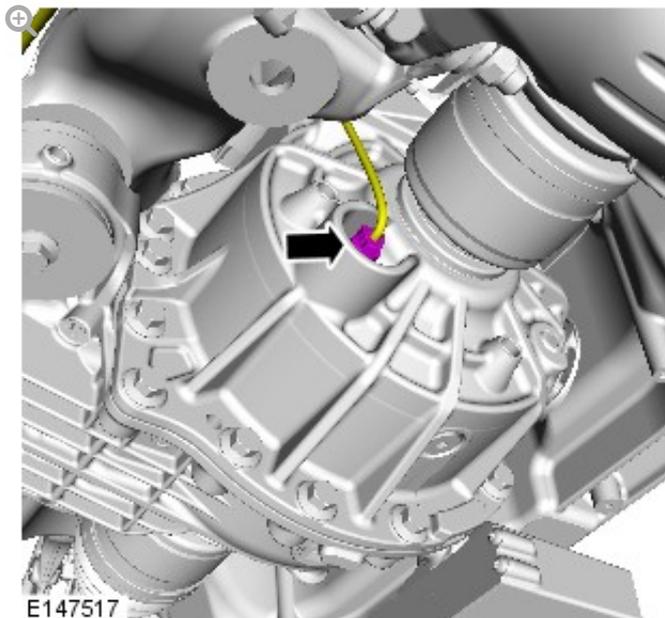


E147516

30.

NOTE:

If equipped.

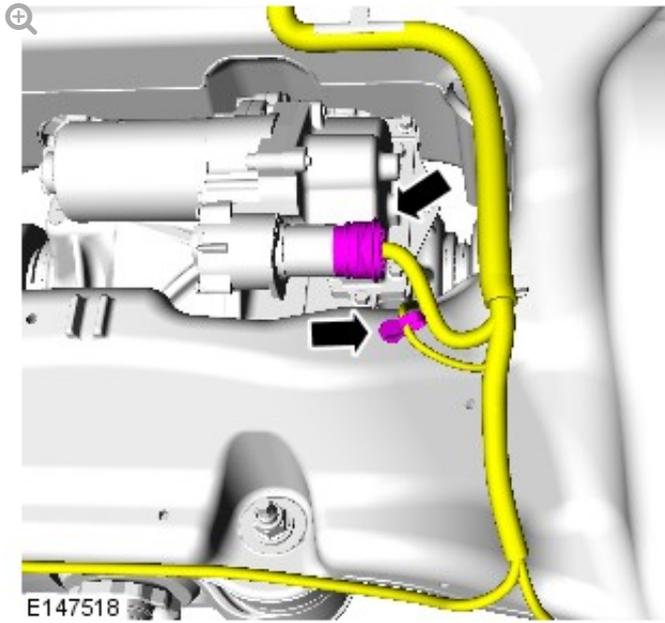


E147517

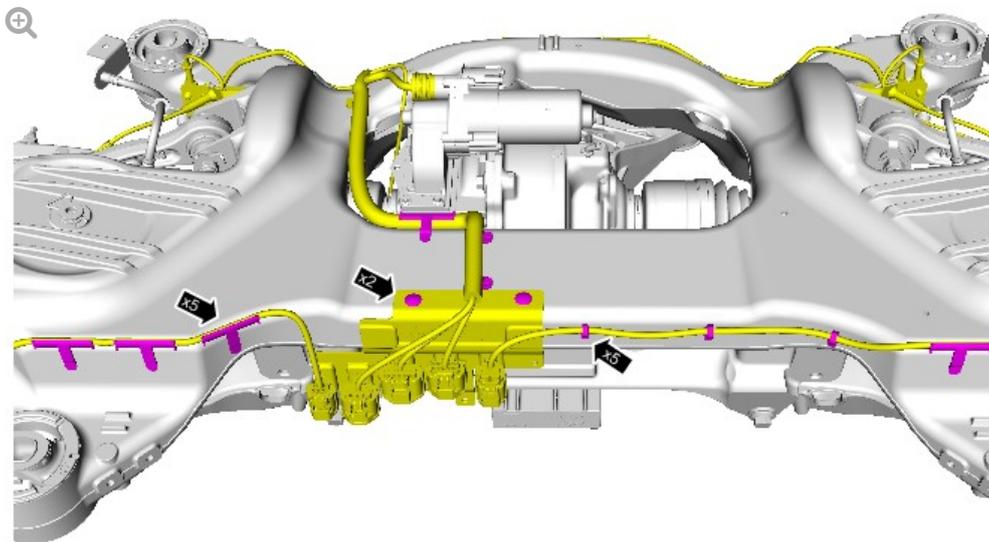
31.

NOTE:

If equipped.



32.

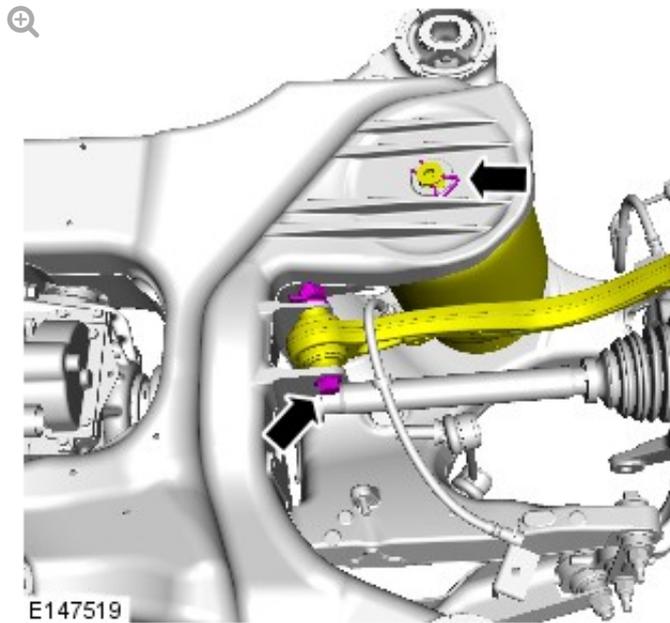


E147533

33.

NOTES:

- LH illustration shown, RH is similar.
- Repeat the procedure for the other side.



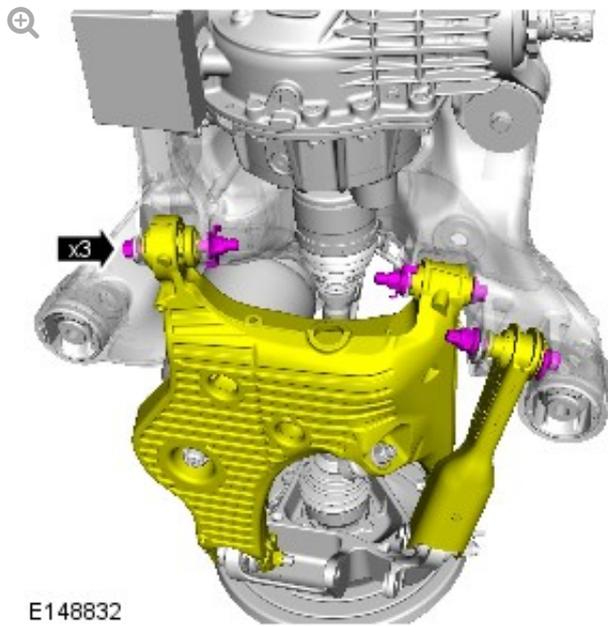
34.

CAUTIONS:

- Discard the lower control arm front retaining nut and bolt.
- Discard the lower control arm rear retaining nut and bolt.

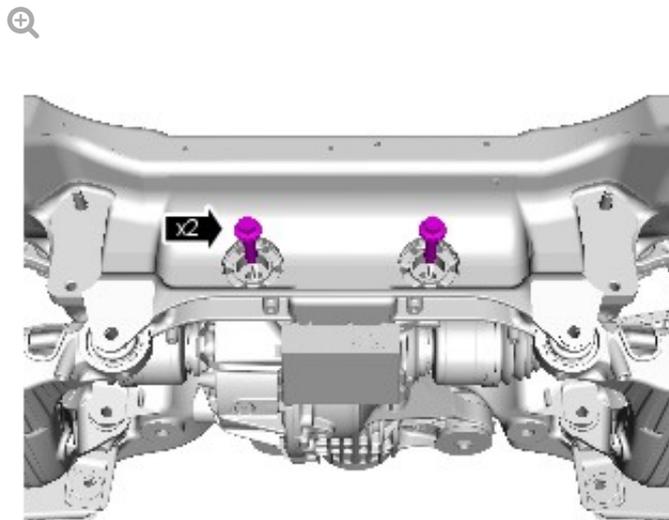
NOTES:

- LH illustration shown, RH is similar.
- Repeat the procedure for the other side.



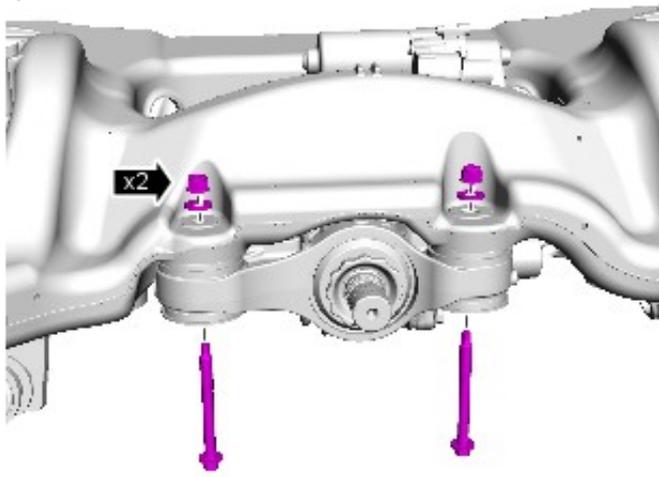
E148832

35.



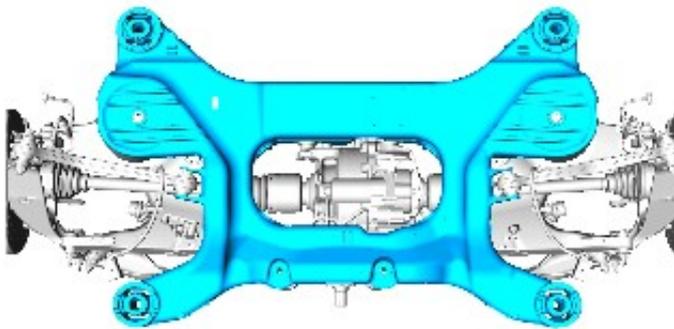
E147521

36.



E147522

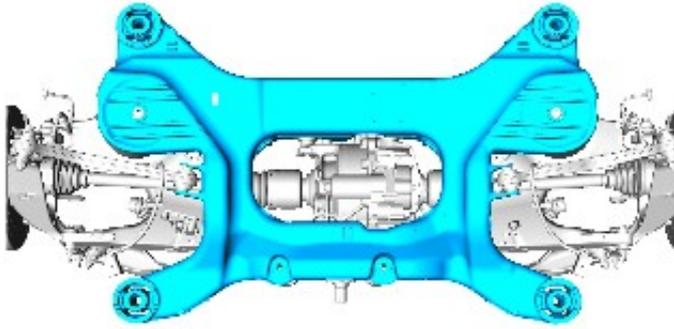
37.



E147523

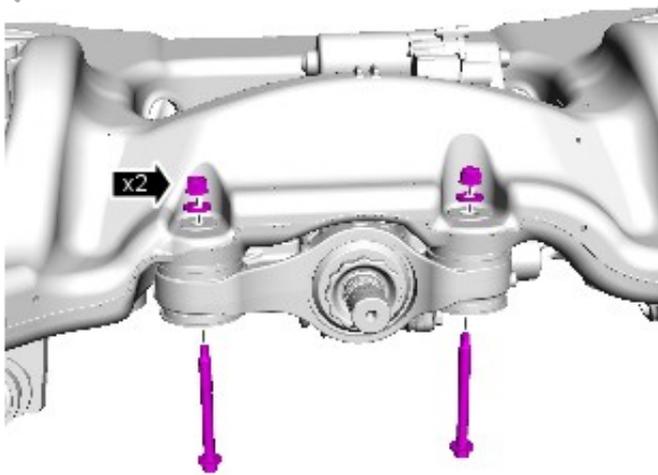
INSTALLATION

1.



E147523

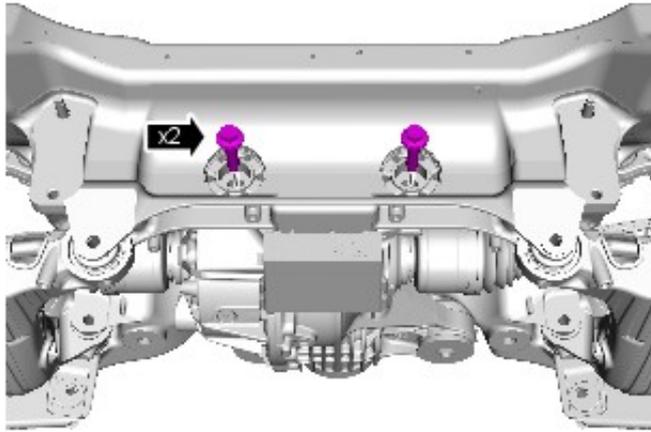
2.



E147522

Torque: 110 Nm

3.



E147521

Torque: 170 Nm

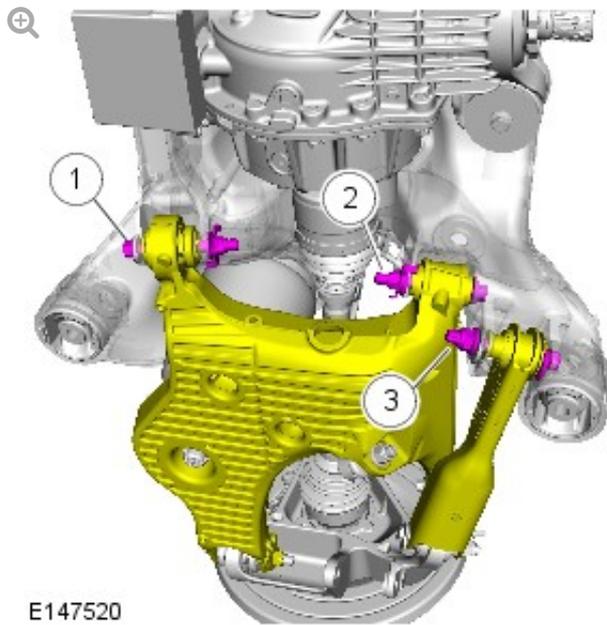
4.

CAUTIONS:

- Only tighten the nuts and bolts when the suspension is in the normal drive position.
- Make sure that a new lower control arm front retaining nut and bolt is installed.
- Make sure that a new lower control arm rear retaining nut and bolt is installed.

NOTES:

- LH illustration shown, RH is similar.
- Repeat the procedure for the other side.



E147520

Torque:

1

Stage 1: 100 Nm

Stage 2: 240°

2

Stage 1: 100 Nm

Stage 2: 240°

3

Stage 1: 40 Nm

Stage 2: 60°

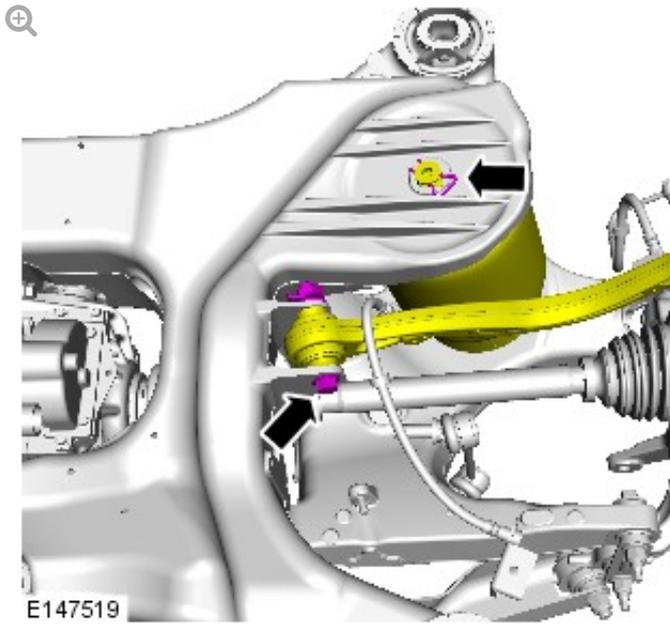
5.

CAUTION:

Only tighten the nuts and bolts when the suspension is in the normal drive position.

NOTES:

- LH illustration shown, RH is similar.
- Repeat the procedure for the other side.

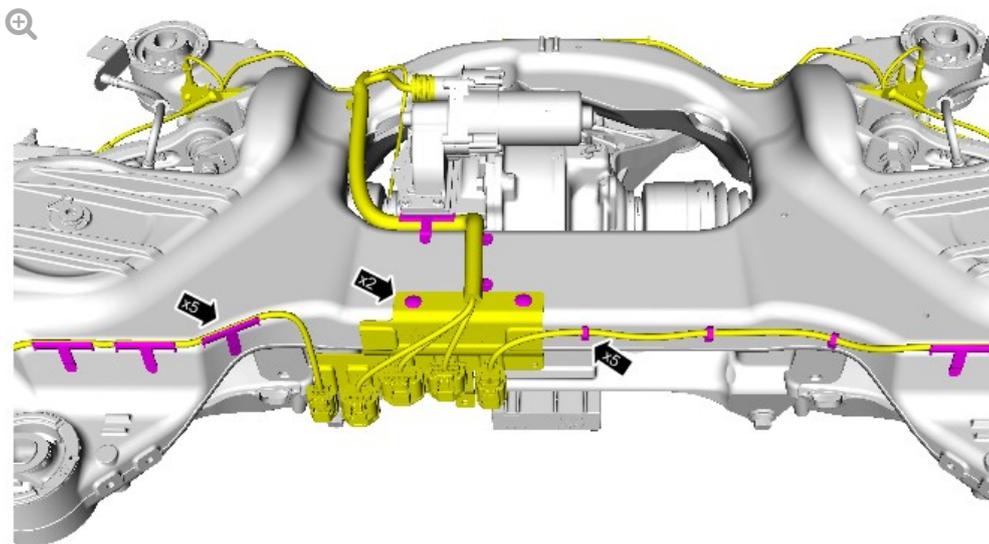


Torque:

Stage 1: 50 Nm

Stage 2: 60°

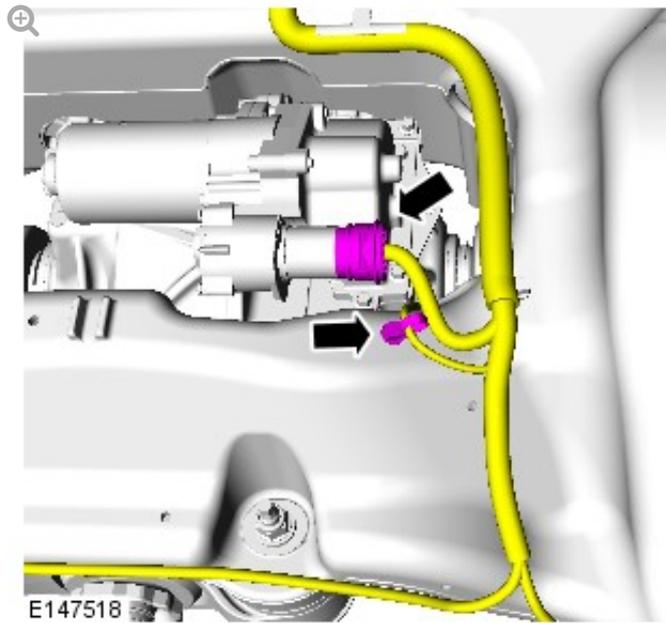
6.



7.

NOTE:

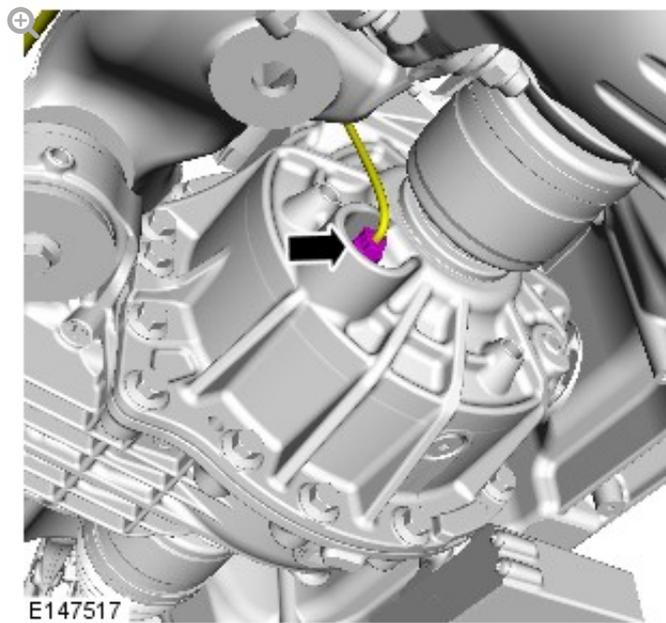
If equipped.



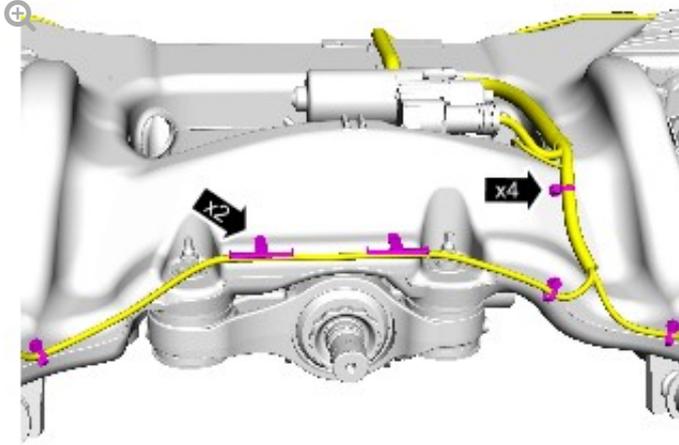
8.

NOTE:

If equipped.

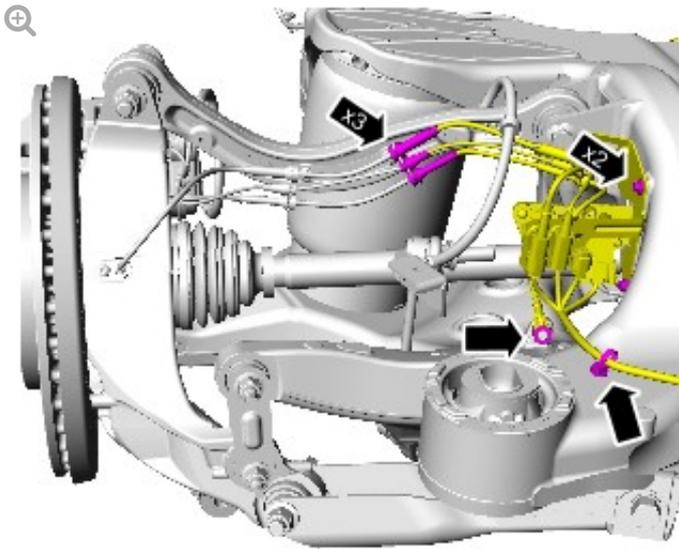


9.



E147516

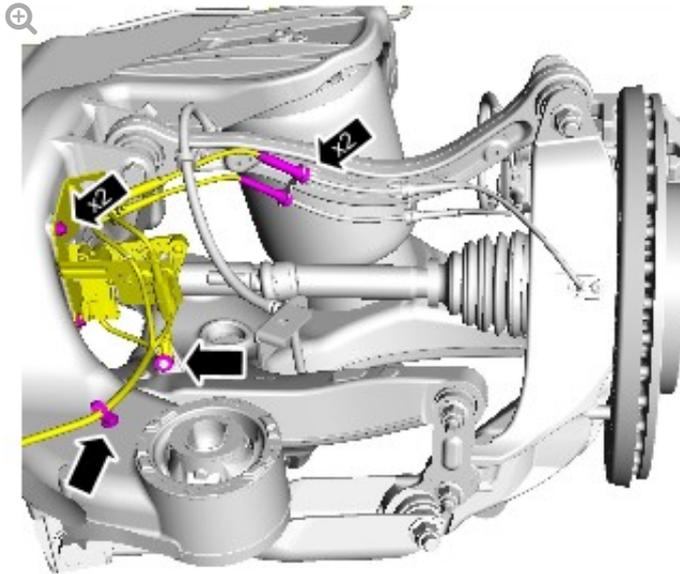
10.



E147515

Torque: 10 Nm

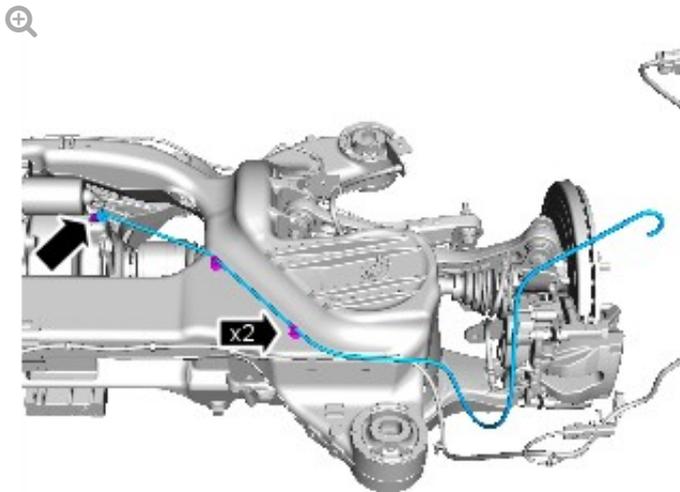
11.



E147514

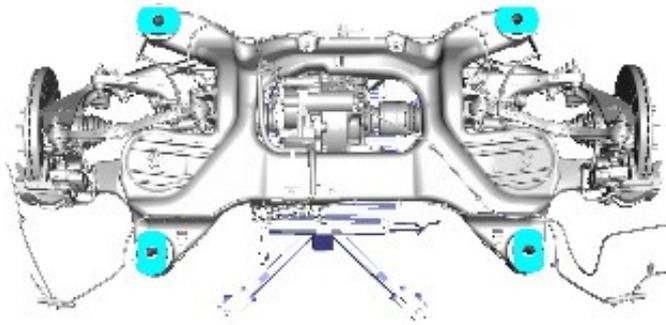
Torque: 10 Nm

12.



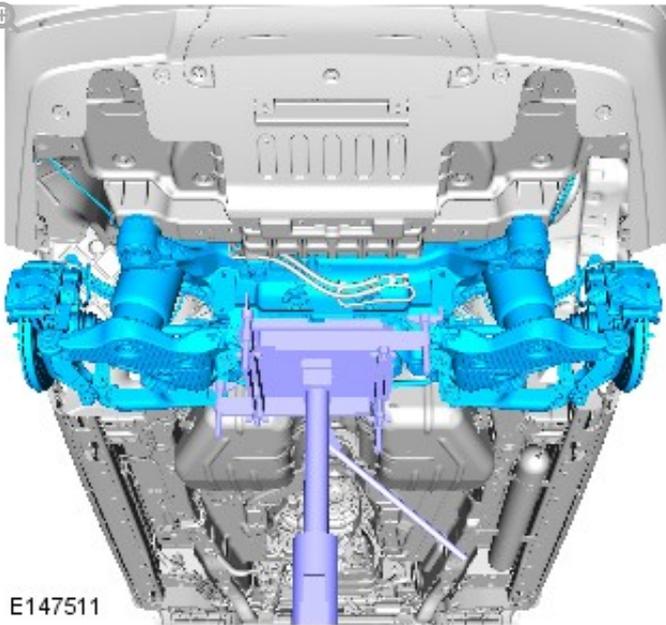
E147513

13.



E147512

14.



E147511

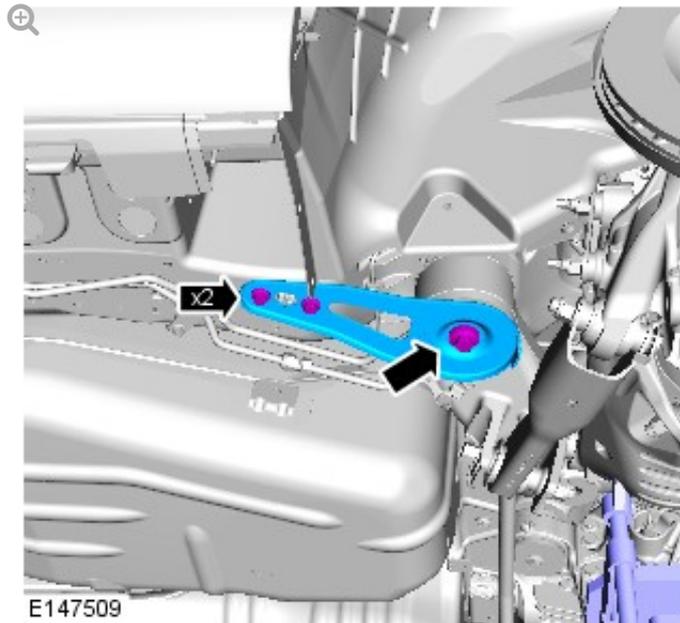
15.

CAUTION:

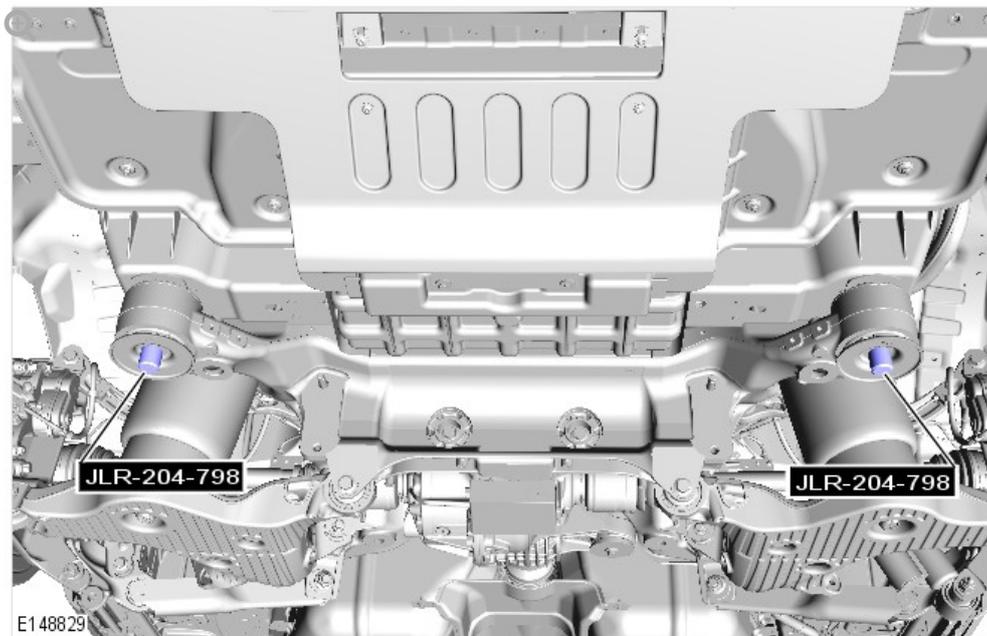
Only tighten the bolts finger-tight at this stage.

NOTES:

- LH illustration shown, RH is similar.
- Repeat the procedure for the other side.



16.

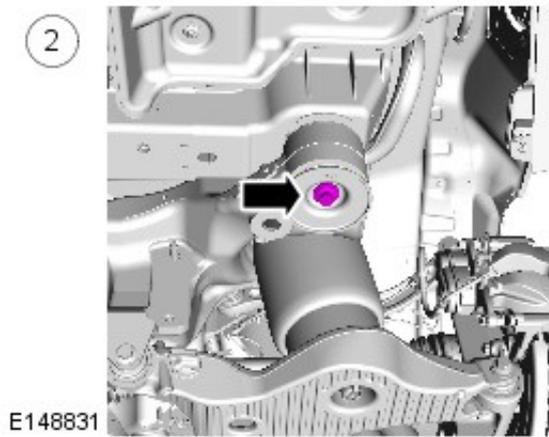
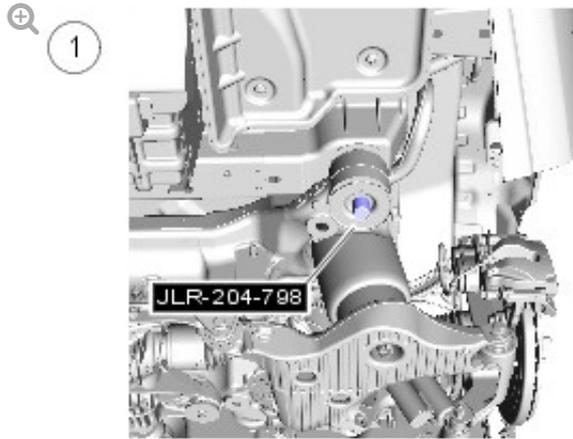


Special Tool(s): [JLR-204-798](#)

17.

CAUTION:

Make sure that a new bolt is installed.



Torque:

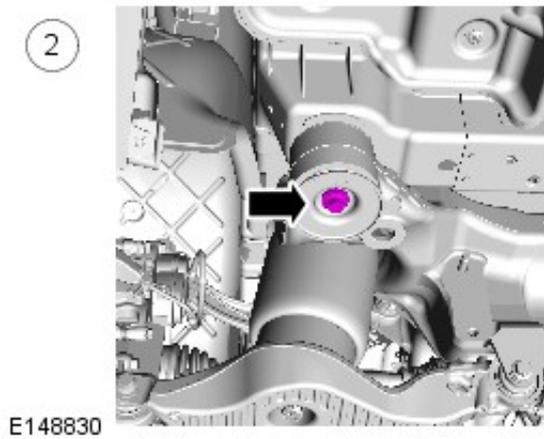
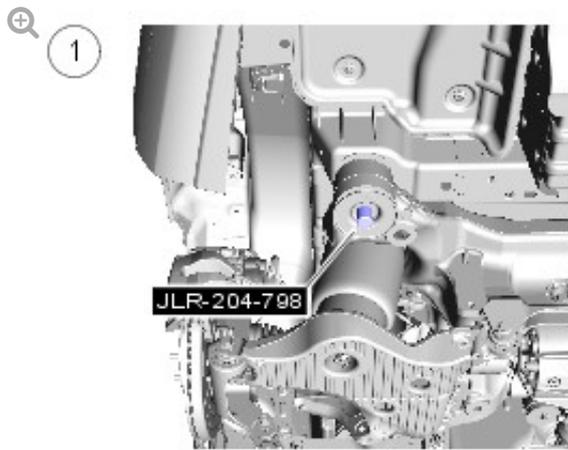
Stage 1: 100 Nm

Stage 2: 300°

18.

CAUTION:

Make sure that a new bolt is installed.



Torque:

Stage 1: 100 Nm

Stage 2: 300°

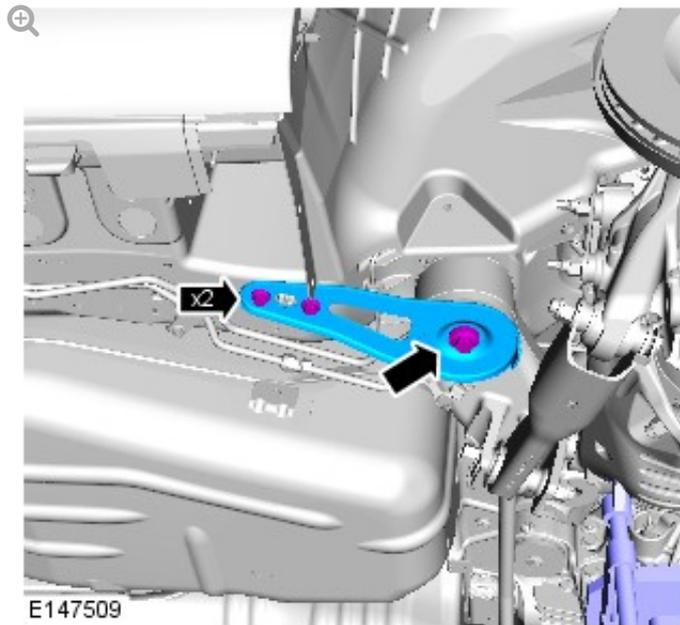
19.

CAUTION:

LH illustration shown, RH is similar.

NOTES:

- LH illustration shown, RH is similar.
- Repeat the procedure for the other side.

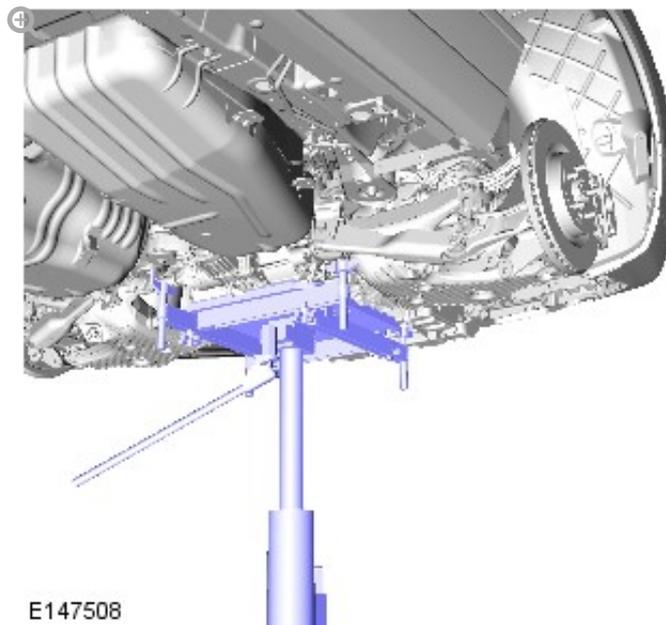


Torque:

M14 170 Nm

M10 60 Nm

20.



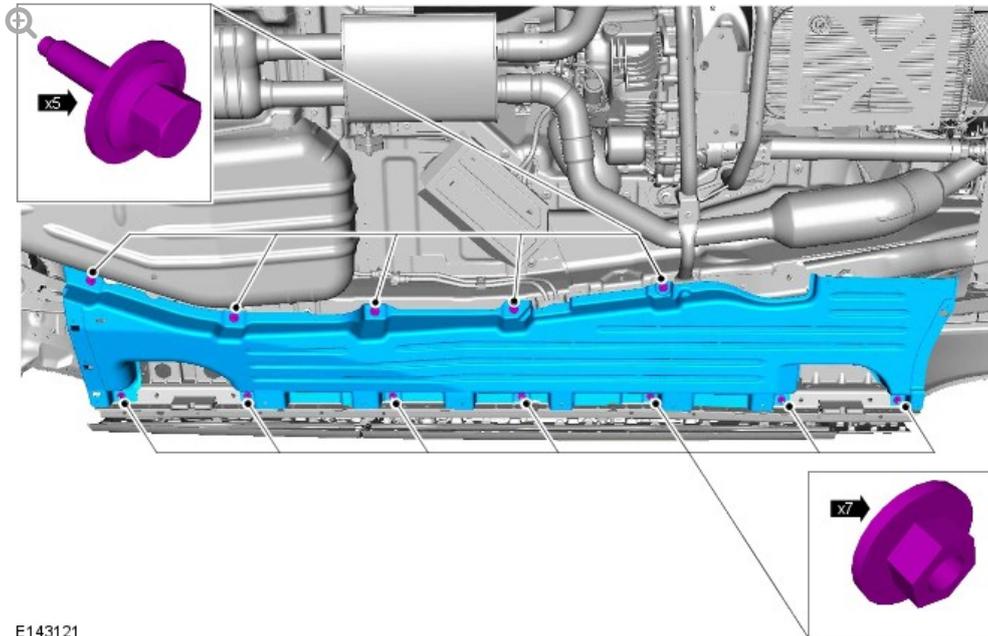
21.

CAUTION:

LH illustration shown, RH is similar.

NOTE:

Repeat the procedure for the other side.



22.

NOTE:

Repeat the procedure for the other side.

Refer to: [Rear Rocker Panel Moulding - Standard Wheel Base \(501-08 Exterior Trim and Ornamentation, Removal and Installation\)](#).

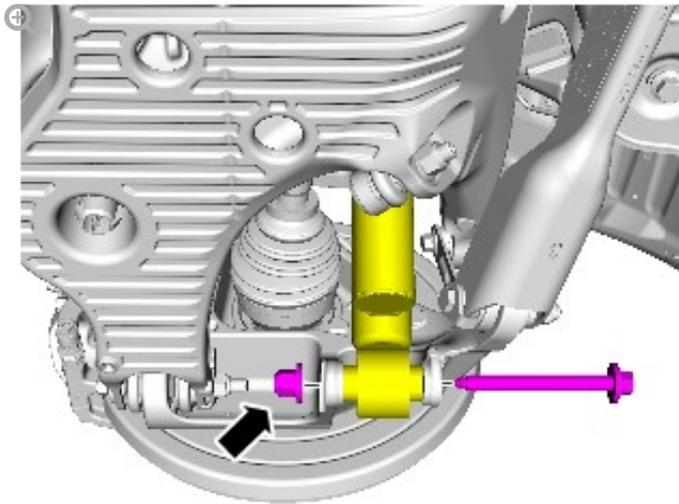
23.

CAUTION:

Make sure that a new nut and bolt is installed.

NOTES:

- LH illustration shown, RH is similar.
- Repeat the procedure for the other side.



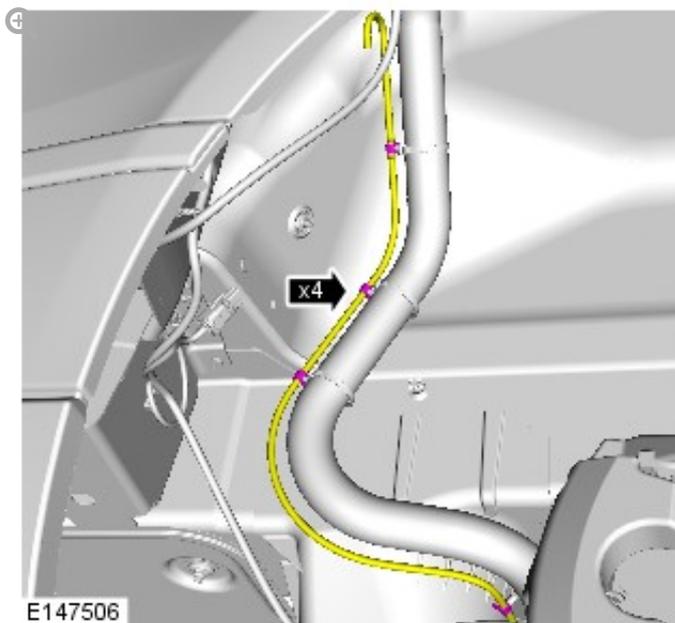
E147507

Torque:

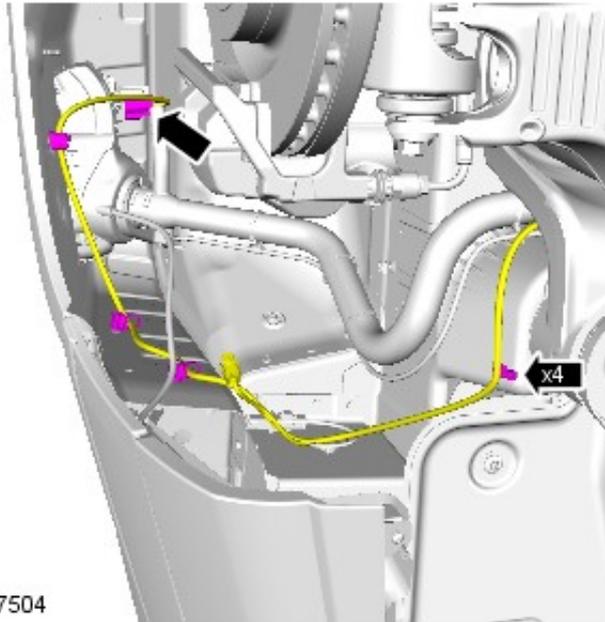
Stage 1: 100 Nm

Stage 2: 240°

24.



25.



E147504

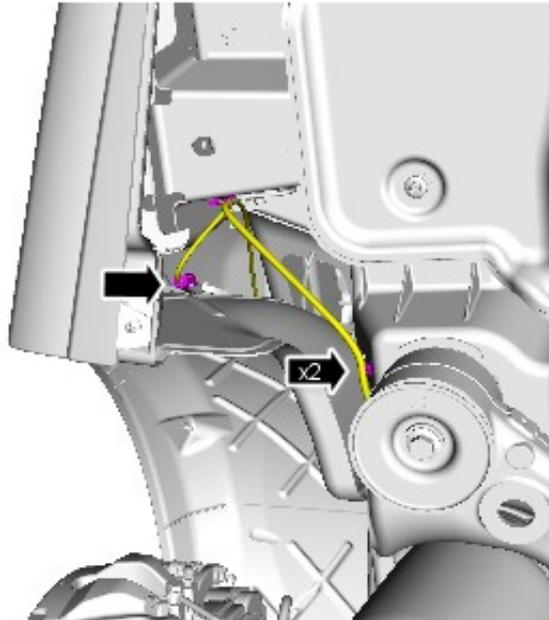
26.

NOTE:

RH side only.

Refer to: [Rear Wheel Arch Liner](#) (501-08 Exterior Trim and Ornamentation, Removal and Installation).

27.

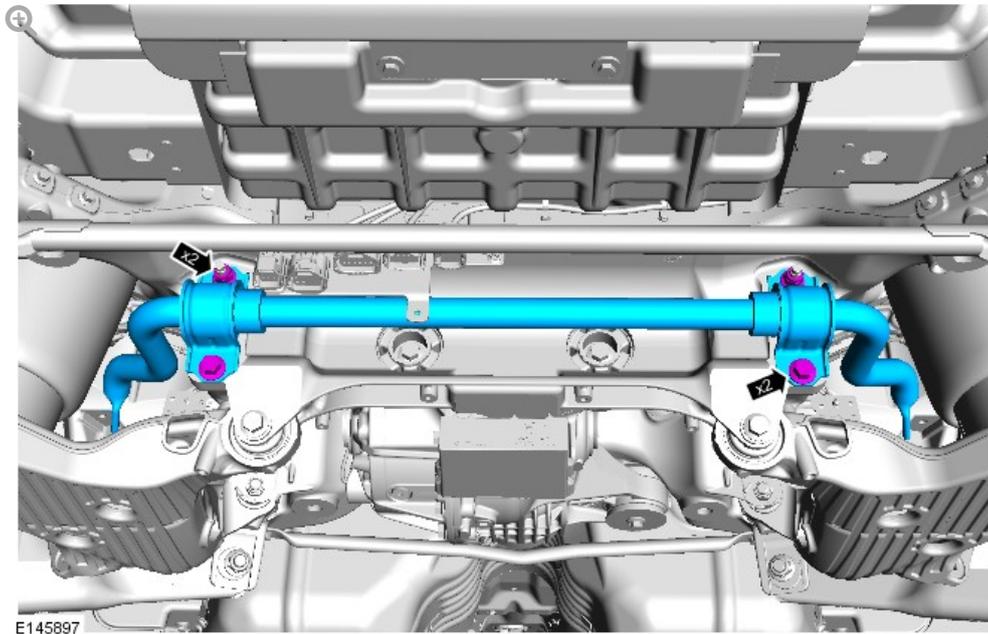


E147503

28.

NOTE:

If equipped.

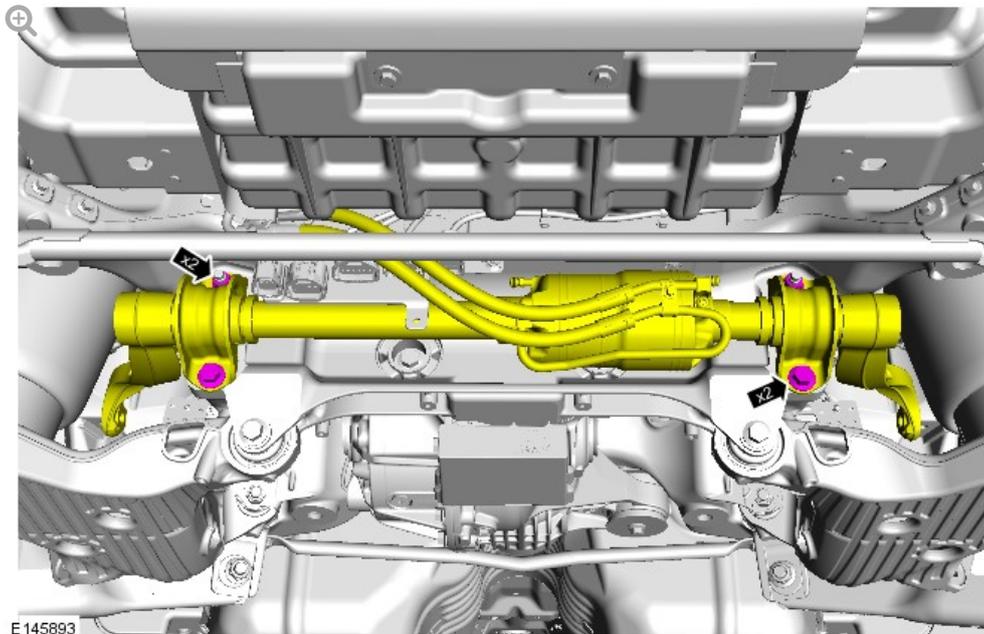


Torque: 110 Nm

29.

NOTE:

If equipped.



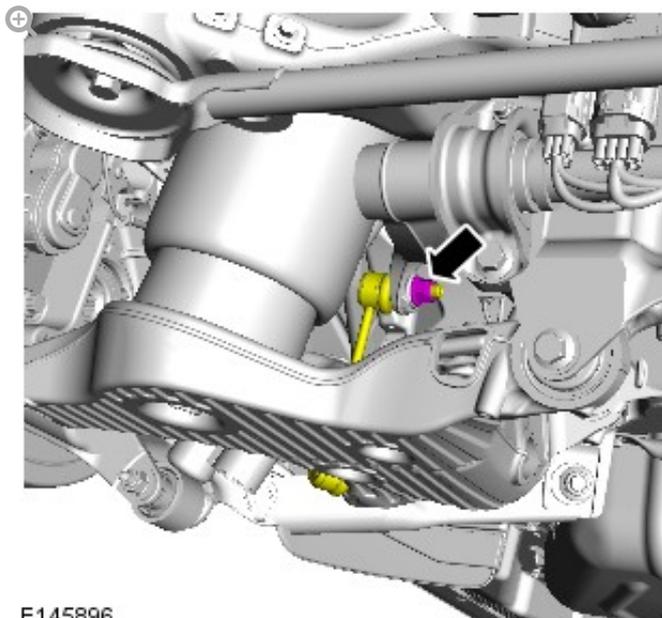
E145893

Torque: 110 Nm

30.

NOTES:

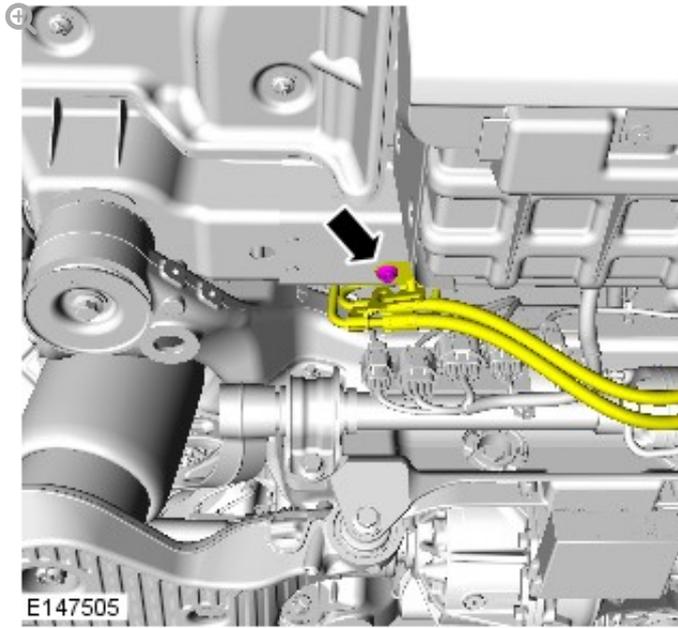
- LH illustration shown, RH is similar.
- Repeat the procedure for the other side.



E145896

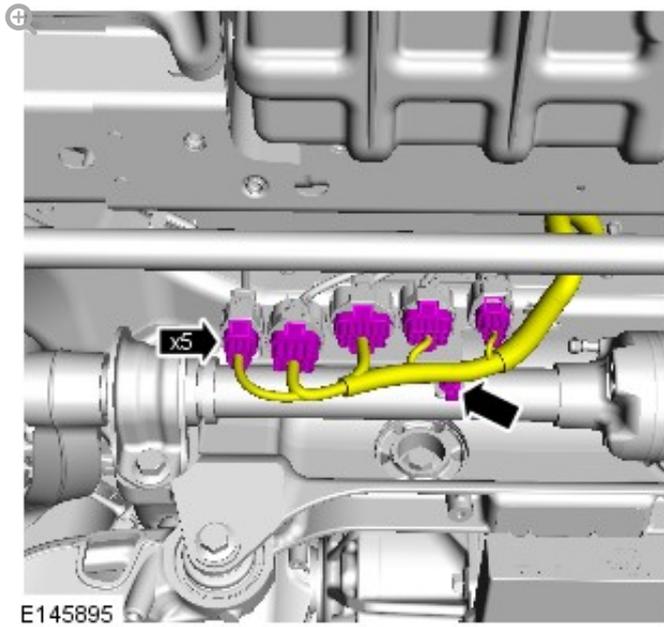
Torque: 185 Nm

31.

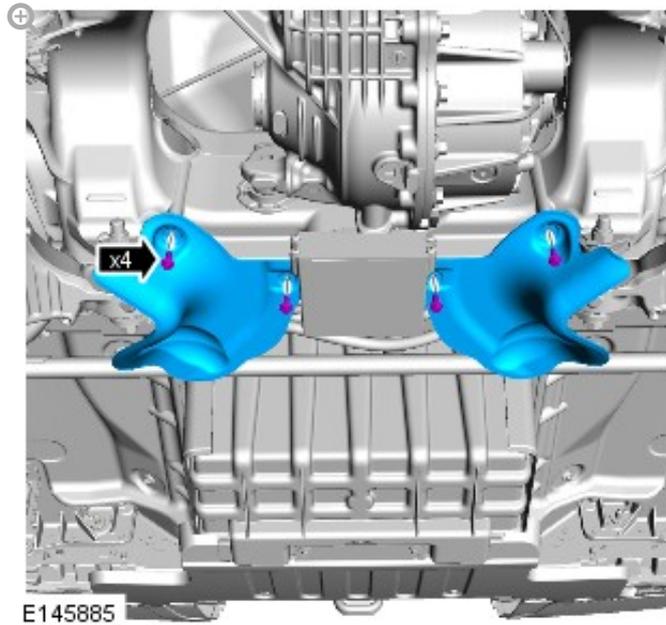


Torque: 25 Nm

32.



33.



Torque: 5 Nm

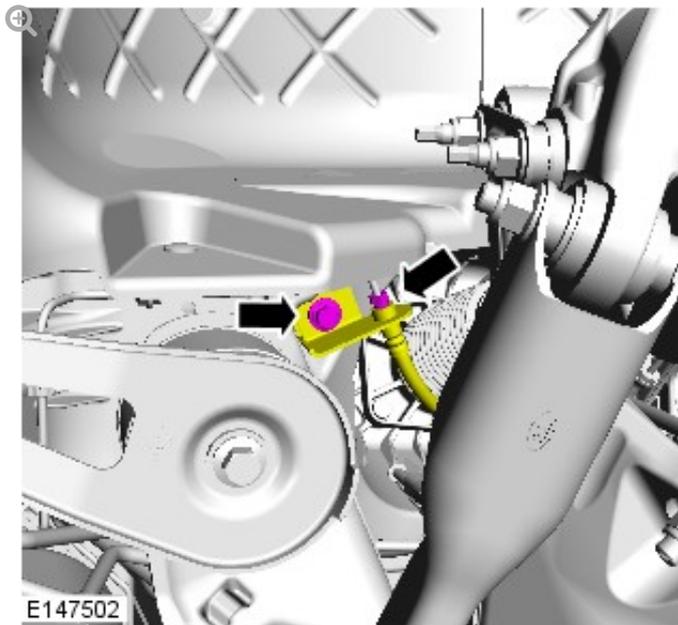
34.

CAUTION:

Make sure that the area around the component is clean and free of foreign material.

NOTES:

- LH illustration shown, RH is similar.
- Repeat the procedure for the other side.



Torque:

M8 25 Nm

Union 16 Nm

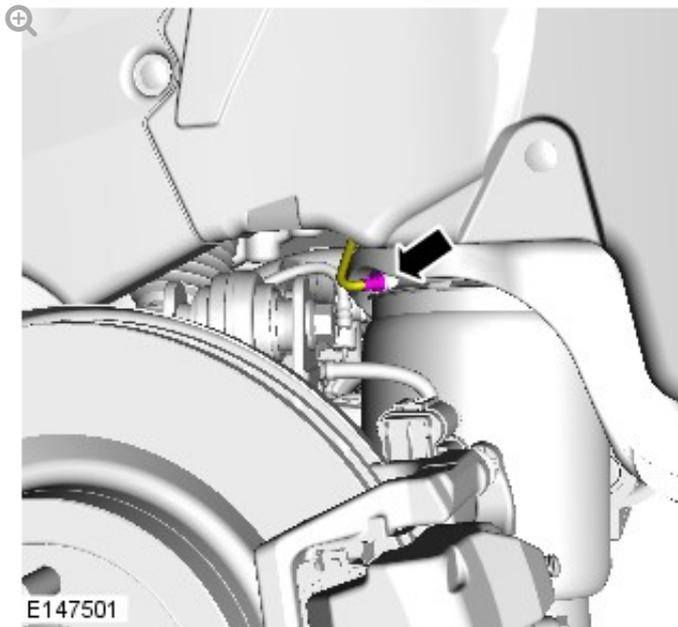
35.

CAUTION:

Make sure that the area around the component is clean and free of foreign material.

NOTES:

- LH illustration shown, RH is similar.
- Repeat the procedure for the other side.



Refer to: [Air Line Connector](#) (204-05 Vehicle Dynamic Suspension, General Procedures).

Torque: 3.5 Nm

36. Refer to: [Rear Driveshaft - TDV6 3.0L Diesel](#) (205-01, Removal and Installation).
Refer to: [Rear Driveshaft - V6 S/C 3.0L Petrol /V8 S/C 5.0L Petrol](#) (205-01, Removal and Installation).
Refer to: [Rear Driveshaft - SDV6 3.0L Diesel - Hybrid Electric Vehicle](#) (205-01, Removal and Installation).
Refer to: [Rear Driveshaft - TDV8 4.4L Diesel](#) (205-01, Removal and Installation).
Refer to: [Front Driveshaft - GTDi 2.0L Petrol](#) (205-01, Removal and Installation).
37. Connect the battery ground cable.
Refer to: [Specifications](#) (414-00 Battery and Charging System - General Information, Specifications).
38. Refer to: [Brake System Bleeding - Vehicles With: Standard Brakes](#) (206-00 Brake System - General Information, General Procedures).

39.

CAUTION:

This step must be carried out to prevent damage to the air spring.

Refer to: [Air Suspension - Manual Control Procedure](#) (204-05 Vehicle Dynamic Suspension, General Procedures).

40. Install the rear wheels and tires.

Refer to: [Wheel and Tire - GTDi 2.0L Petrol/TDV6 3.0L Diesel /TDV8 4.4L Diesel/V6 S/C 3.0L Petrol /V8 N/A 5.0L Petrol/V8 S/C 5.0L Petrol](#) (204-04 Wheels and Tires, Removal and Installation).

Refer to: [Wheel and Tire - SDV6 3.0L Diesel - Hybrid Electric Vehicle](#) (204-04 Wheels and Tires, Removal and Installation).

41.

CAUTION:

This step must be carried out in order to maintain the correct air suspension compressor/dryer performance.

NOTE:

This step must be carried out with the weight of the vehicle on the suspension.

Using the approved diagnostic equipment, pressurize the rear springs.

Refer to: [Air Suspension System Depressurize and Pressurize](#) (204-05 Vehicle Dynamic Suspension, General Procedures).

42. Refer to: [Four Wheel Alignment](#) (204-00 Suspension System - General Information, General Procedures).

