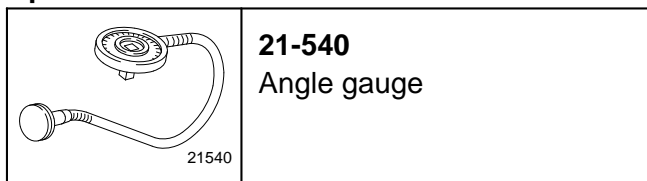


## Differential Assembly – Remove and Install (15 254 0)

### Special Tools

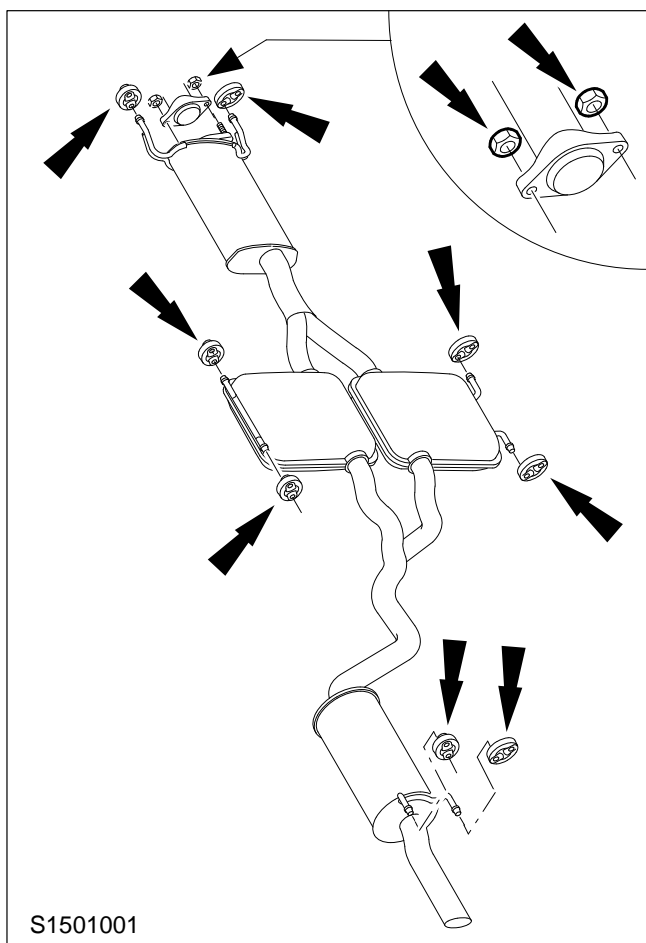


### Workshop Equipment

Transmission jack	
-------------------	--

### Materials

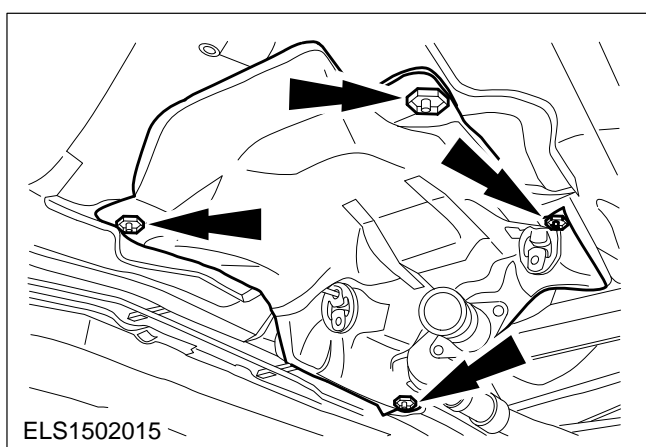
High-temperature grease	WSD-M1C237-A
-------------------------	--------------



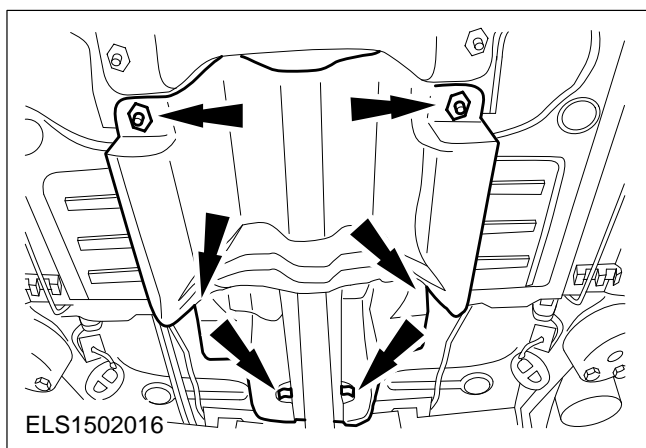
### Remove

#### 1. Remove the rear part of the exhaust system.

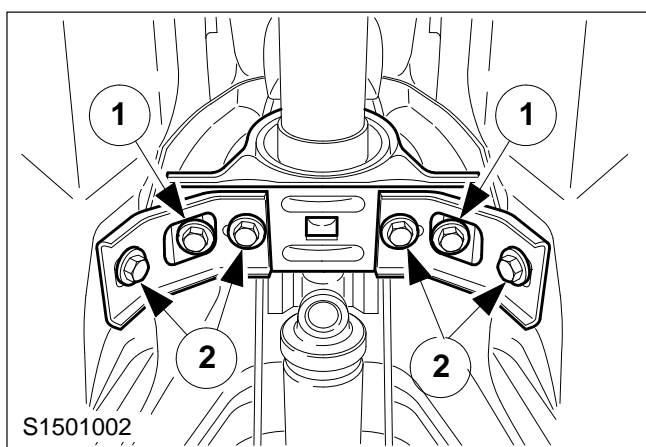
- Raise the vehicle.
- Disconnect the exhaust system at the centre flange (two bolts).
- Unhook the rear part of the exhaust system from the rubber mountings and lay it to one side.



#### 2. Detach the exhaust system front heat shield.

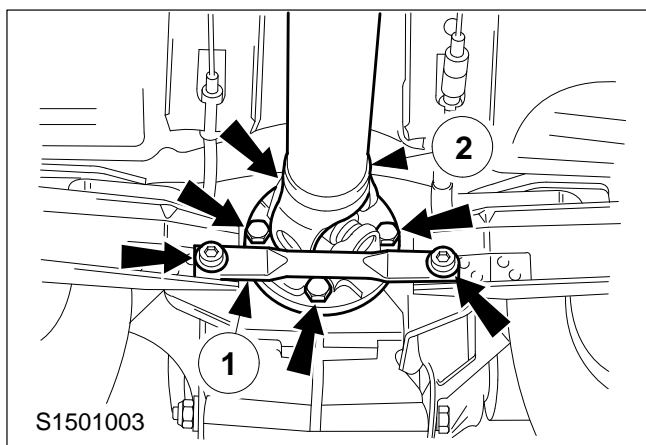


### 3. Detach the exhaust system rear heat shield.



### 4. Release the driveshaft centre bearing.

- 1 Unscrew the two bolts securing the centre bearing to the floor assembly.
- 2 Slacken the remaining bolts of the centre bearing.

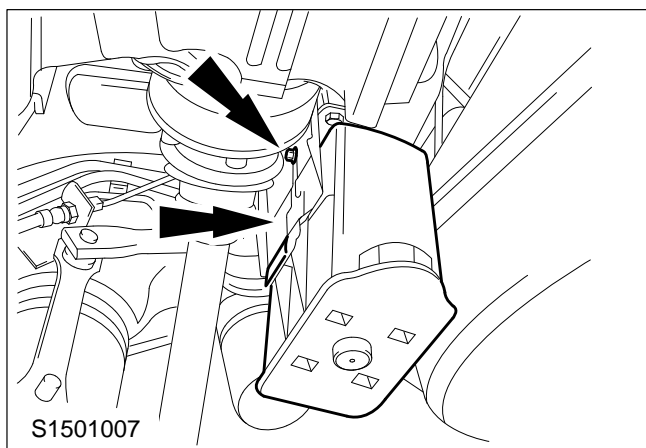


**⚠ CAUTION:** The driveshaft is precision-balanced by bolts of different lengths. Mark the position of the driveshaft and the bolts.

### 5. Detach the driveshaft from the rear axle.

**NOTE:** The transverse brace will no longer be installed in vehicles built from Jan '96.

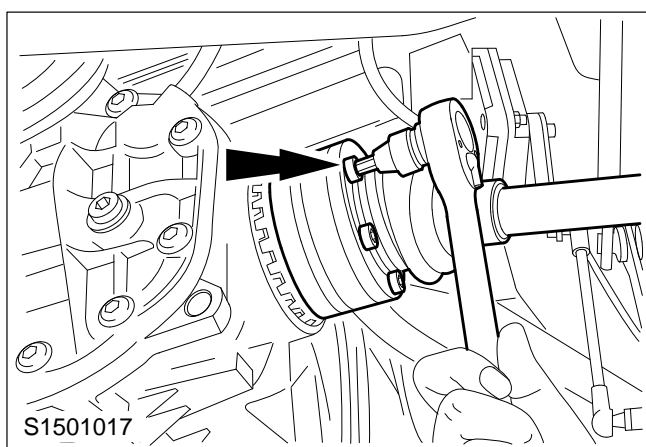
- 1 Detach the transverse brace from the rear axle.
  - 2 Remove the four bolts.
- Slide the driveshaft forwards, detach it from the rear axle flange and suspend it to one side.



Petrol-engined variants only.

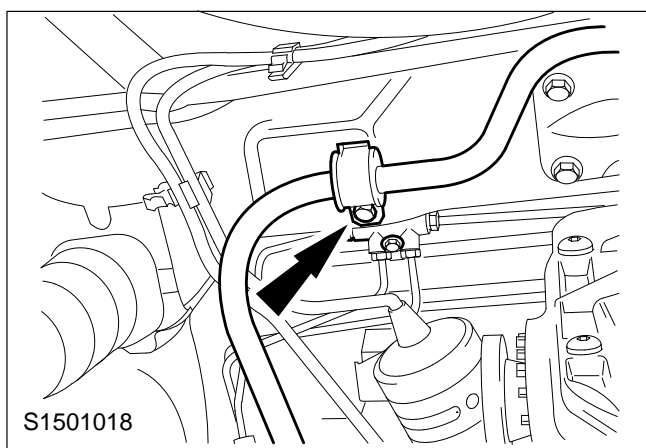
**6. Detach the EVAP canister.**

Loosen the bolt on the bracket, unhook the EVAP canister and tie it up to one side.



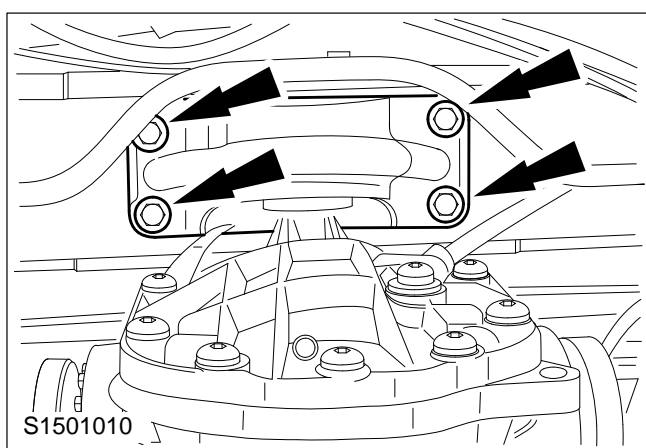
**7. Detach the right and left-hand rear axle driveshafts (model shown up to Jan '95).**

- Unscrew the bolts.
- Tie up the rear axle driveshafts.
- Remove the gaskets.



Vehicles up to Dec '95 only

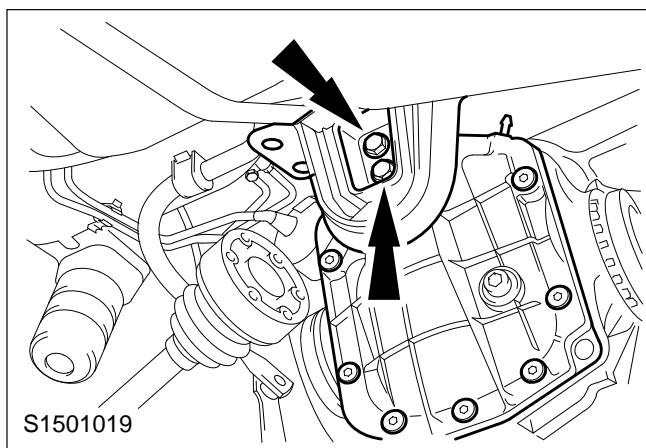
**8. Detach the left-hand stabiliser bar mounting bracket.**



Vehicles up to Dec '95 only

**9. Detach the differential mounting.**

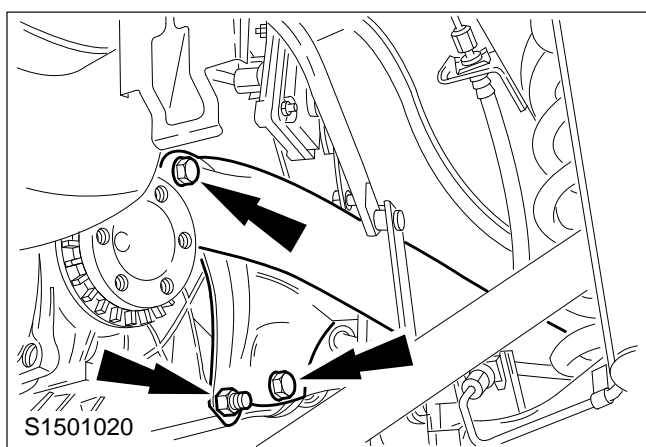
Support the differential assembly on a transmission jack.



Vehicles up to Dec '95 only

**10. Detach the mounting from the differential cover.**

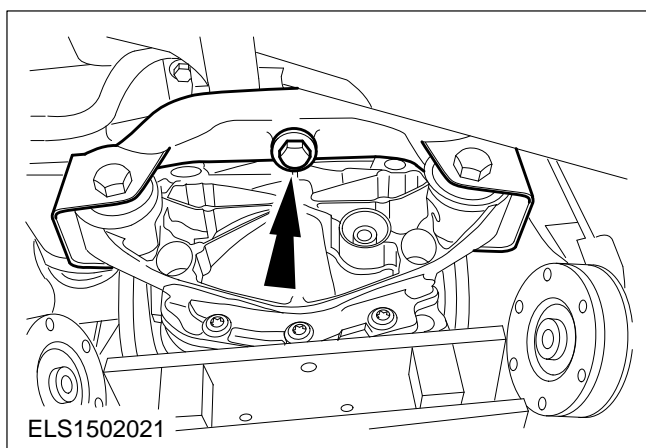
Lower the differential assembly slightly.



Vehicles up to Dec '95 only

**11. Detach the differential assembly from the crossmember (four bolts).**

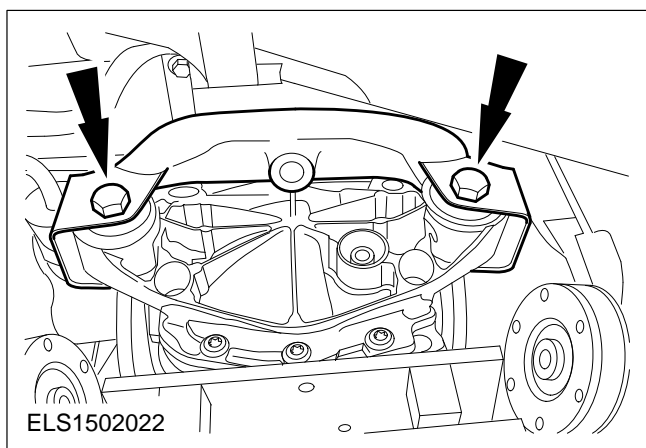
Lower the differential assembly.



Vehicles from Jan '96 only

**12. Detach the differential mounting.**

- Support the differential assembly on a transmission jack.
- Unscrew the bolt.



Vehicles from Jan '96 only

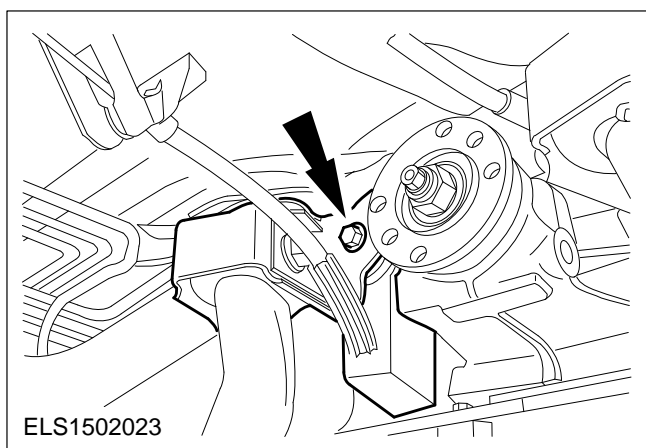
**13. Detach the differential mounting from the differential.**

- Lower the differential assembly with a transmission jack until the bolts can be unscrewed.
- Unscrew the bolts.

**NOTE:** Do not tighten the bolt.

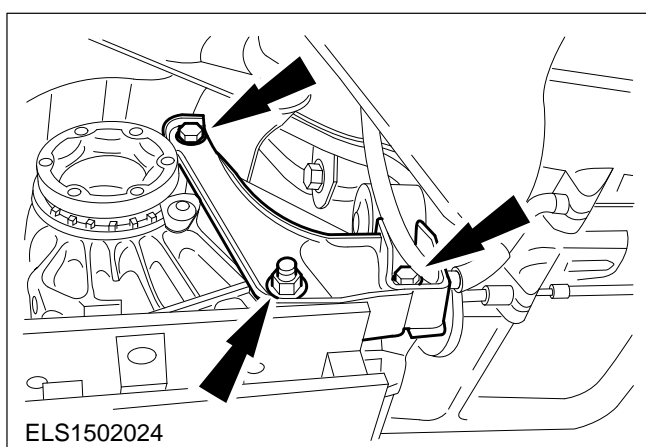
**14. Fit the differential mounting to the floor assembly (one bolt).**

- Raise the differential assembly with a transmission jack.
- Fit the bolt finger-tight.



Vehicles from Jan '96 only.

**15. Fit the differential bracket from the crossmember.**



Vehicles from Jan '96 only.

**16. Detach the differential bracket from the differential.**

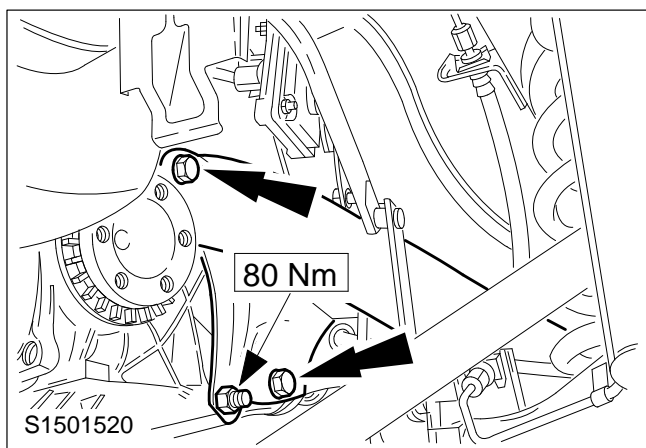
- Lower the differential assembly with a transmission jack until the bracket can be detached.
- Unscrew the two bolts and slacken the nut.
- Remove the differential bracket from the differential and tie it up to one side.

Vehicles from Jan '96 only.

**17. Lower the differential assembly with a transmission jack.**

Install

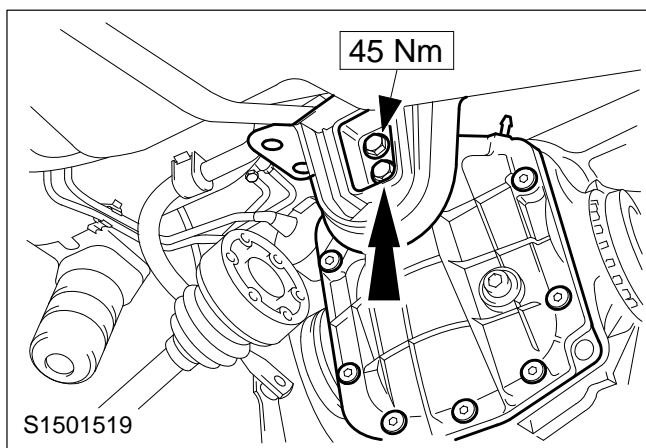
**18. Move the differential into position with a transmission jack.**



Vehicles up to Dec '95 only

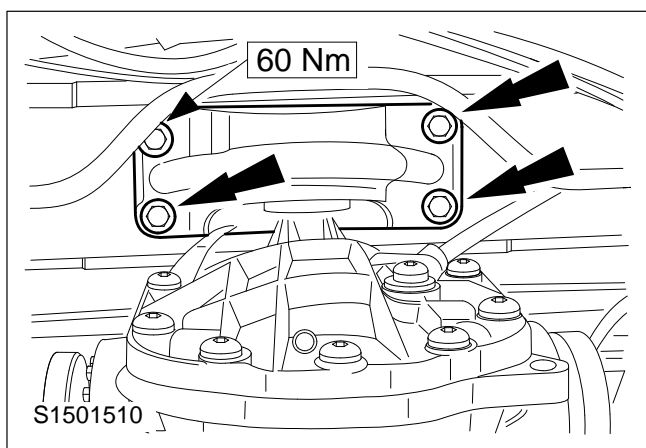
**NOTE:** Tighten the bolt that goes right through the bottom of the crossmember first.

**19. Move the differential into position with a transmission jack and tighten the four bolts.**



Vehicles up to Dec '95 only

**20. Attach the mounting to the transmission cover.**

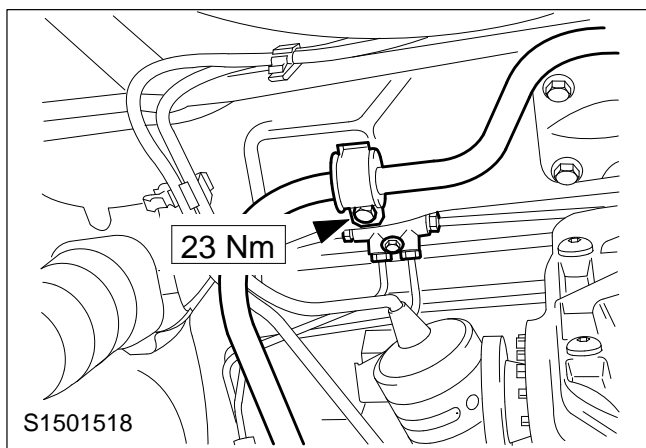


Vehicles up to Dec '95 only

**21. Raise the differential assembly.**

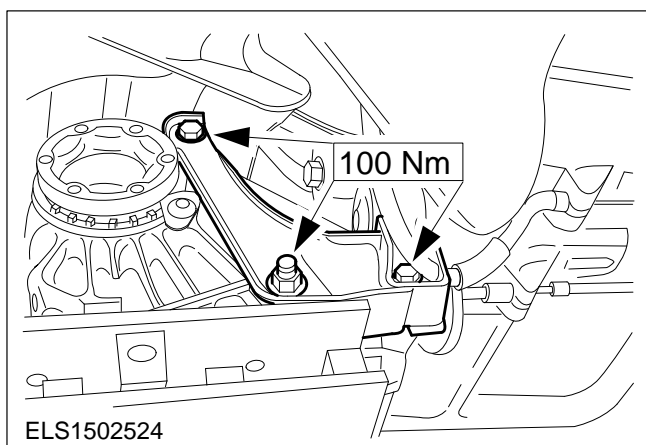
**22. Secure the differential mounting.**

Remove the transmission jack.



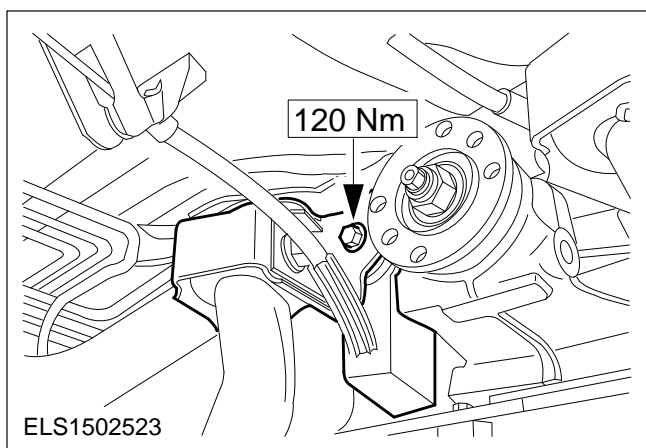
Vehicles up to Dec '95 only

**23. Attach the left-hand stabiliser bar mounting bracket.**



Vehicles from Jan '96 only

**24. Fit the differential bracket to the differential.**



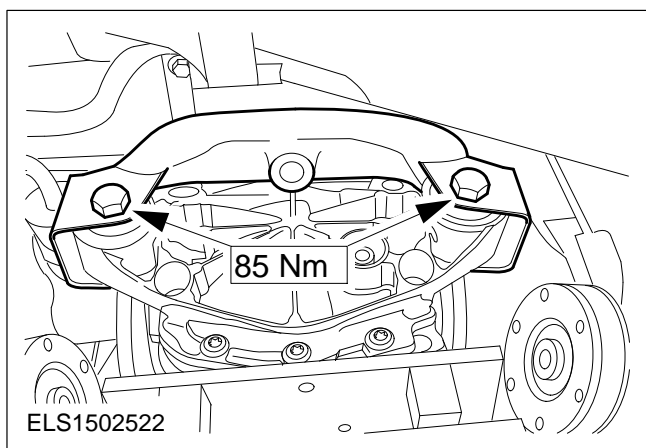
Vehicles from Jan '96 only

**25. Attach the differential bracket from the crossmember.**

Move the differential into position with a transmission jack so that the bolt can be screwed in.

Vehicles from Jan '96 only

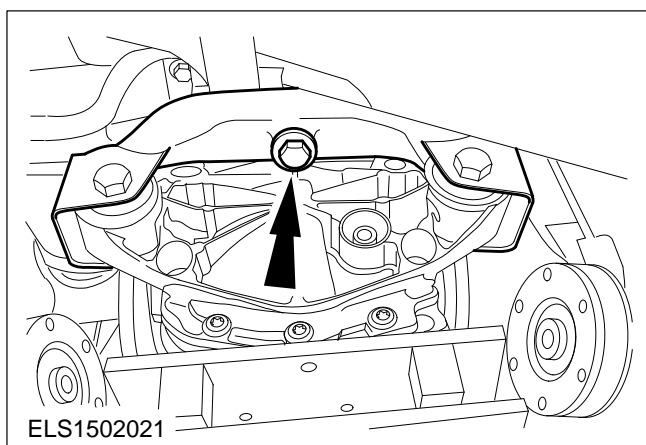
**26. Detach the differential mounting from the floor assembly (one bolt).**



Vehicles from Jan '96 only

**27. Fit the differential mounting to the differential assembly.**

- Lower the differential with a transmission jack until the bolts can be screwed in.
- Screw in the bolts.

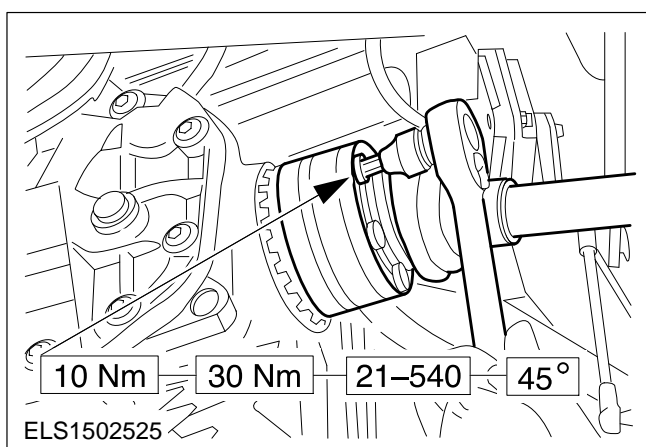


Vehicles from Jan '96 only

**NOTE:** Torques

**28. Attach the differential mounting to the floor assembly.**

- Raise the differential assembly with a transmission jack.
- 110 Nm torque up to build month July '97.
- 125 Nm torque from build month Aug '97.
- Screw in the bolt.
- Remove the transmission jack.



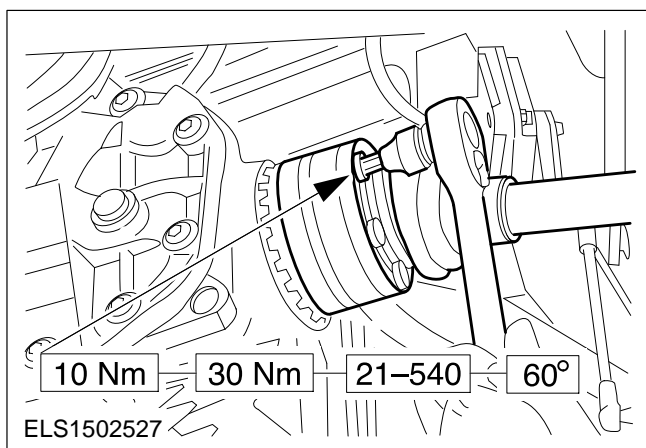
**⚠ CAUTION:** The torque varies according to the diameter of the bolt. The specified torque for the wheel and driveshaft side applies to M8 bolts.

**NOTE:** Fit new bolts. Place a new seal in the turned recess in the constant-velocity joints.

**NOTE:** Check that the joints are packed with the correct amount of grease (WSD-M1C237-A) and add grease as necessary (90 g per joint).

**29. Fit the rear axle driveshafts with the M8 bolts (vehicle shown up to Dec '95).**



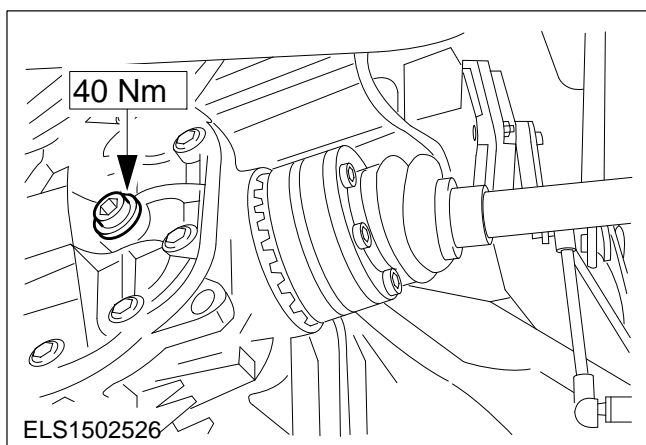


**CAUTION:** The torque varies according to the diameter of the bolt. The specified torque for the wheel and driveshaft side applies to M10 bolts.

**NOTE:** Fit new bolts. Place a new seal in the turned recess in the constant-velocity joints.

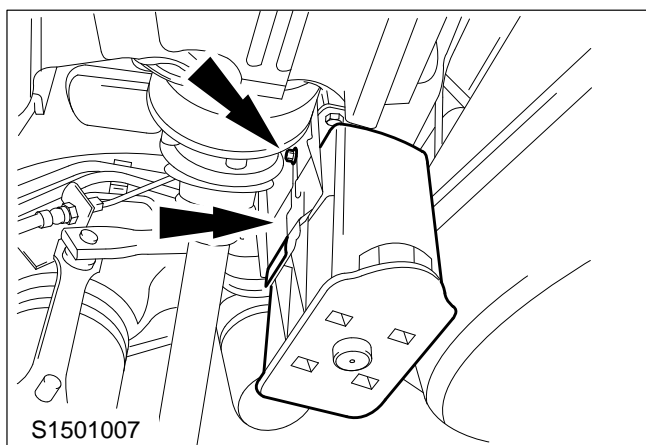
**NOTE:** Check that the joints are packed with the correct amount of grease (WSD-M1C237-A) and add grease as necessary (90 g per joint).

**30. Fit the rear axle driveshafts with the M10 bolts (vehicle shown up to Dec '95).**



**31. Check the oil level in the differential.**

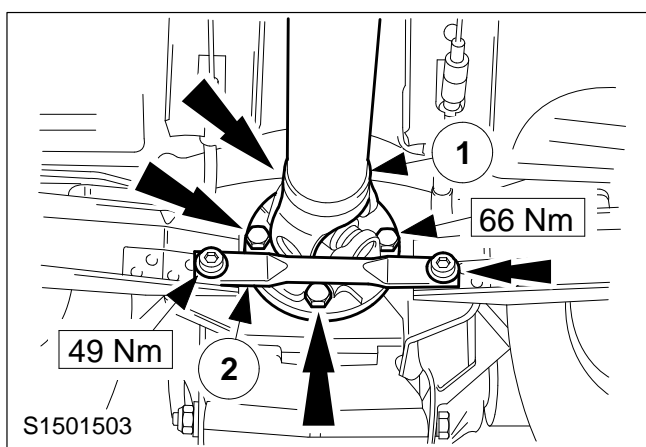
The differential should be filled with oil to the lower edge of the check bore.



Petrol-engined variants only.

**32. Fit the EVAP canister.**

Hook the EVAP canister into the bracket and tighten the bolt.



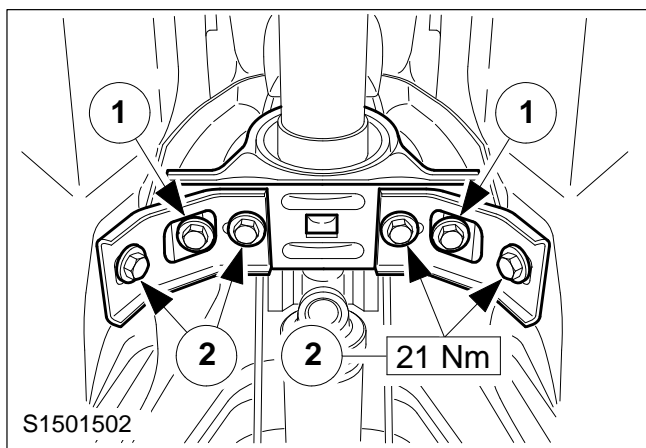
**CAUTION:** The driveshaft is precision-balanced by bolts of different lengths. Mark the position of the driveshaft and the bolts.

**33. Attach the driveshaft and the transverse brace to the rear axle.**

1 Attach the driveshaft to the rear axle flange.

**NOTE:** The transverse brace will no longer be installed in vehicles built from Jan '96.

2 Attach the transverse brace.

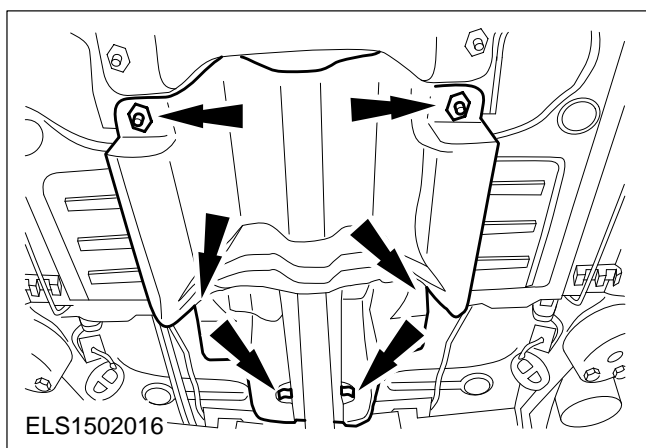


### 34. Fit the driveshaft centre bearing.

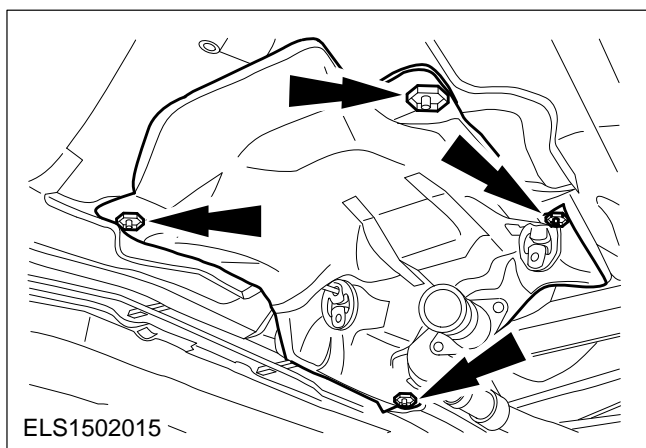
- Align the centre bearing.

**NOTE:** In each case a spacer washer must be positioned between the floor assembly and the centre bearing.

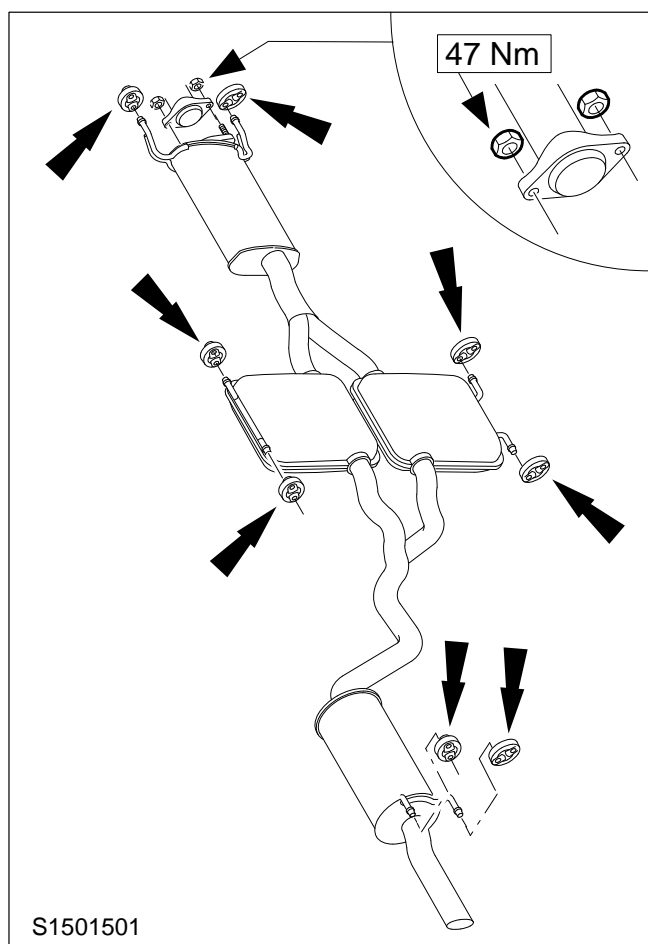
- 1 Insert the two bolts and tighten them.
- 2 Tighten the remaining bolts.



### 35. Fit the exhaust system rear heat shield.



### 36. Fit the exhaust system front heat shield.

**37. Fit the rear part of the exhaust system.**

- Connect the pipe flanges, align the system and screw in the bolts.
- Hook the exhaust system into the rubber mountings.
- Tighten the bolts at the centre flange.

**38. Lower the vehicle.**