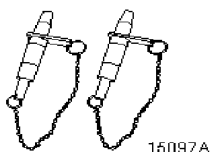


## Rear Axle and Suspension Assembly - Remove and Install (15 212 0)

### Special Tools



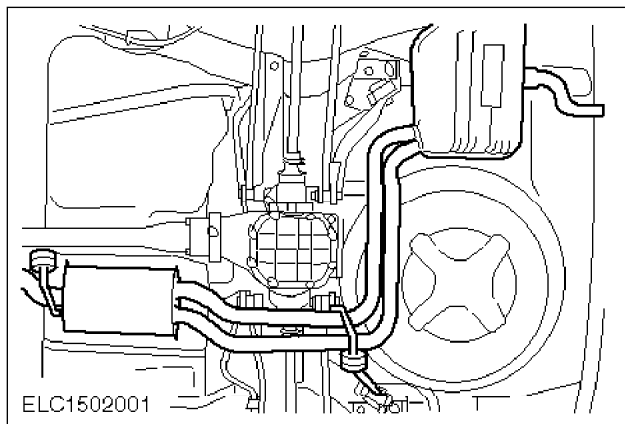
### 15-097A Guide pins, rear axle assembly

Workshop Equipment

Hot air gun	
Trolley jack	

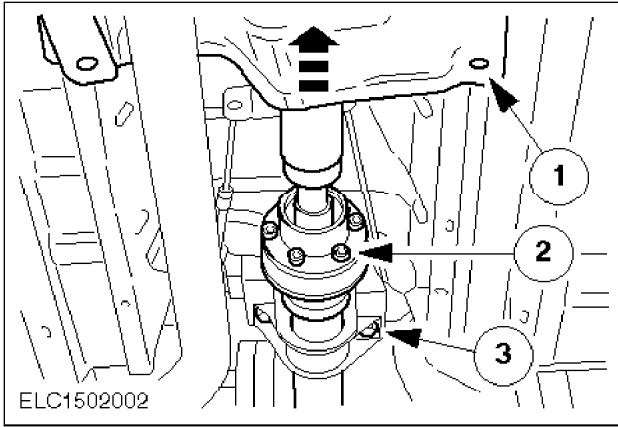
Materials

Rear axle transmission fluid (Hypoid)	SQM-2C9002-AA
Sealer (rear axle assembly)	SQM-4G9523-A

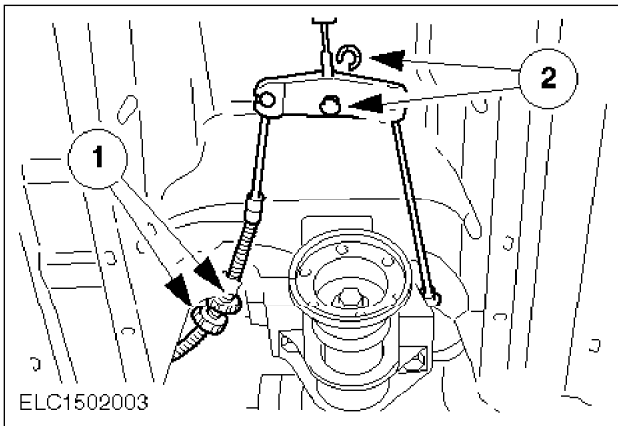


### Remove

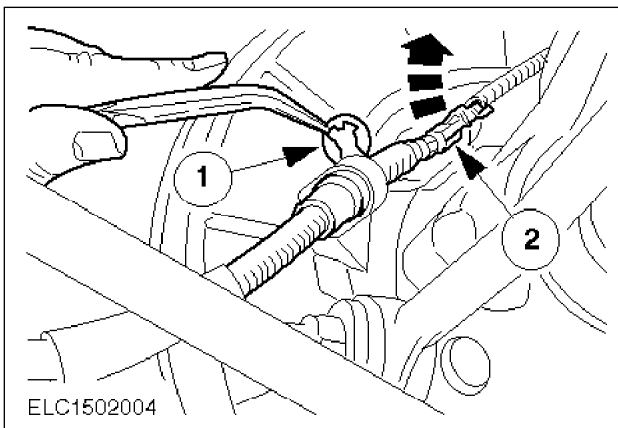
1. Remove the rear exhaust assembly.
  - Raise the vehicle.
  - Detach the exhaust system and the rear catalytic converter, unfasten the rubber mountings and remove.



- 2. Detach the driveshaft and release the rear axle housing/tube.
  - 1 Release the heat shield (four clip-nuts) and slide it forwards.
  - 2 Remove the driveshaft from the rear axle assembly (six bolts).
  - 3 Release the rear axle housing/tube from the body.

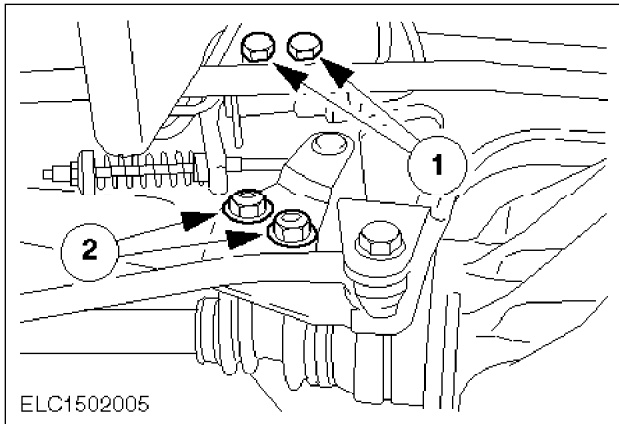


- 3. Detach the handbrake cable from the body.
  - 1 Undo the adjusting nuts.
  - 2 Remove the clip and the bolt.



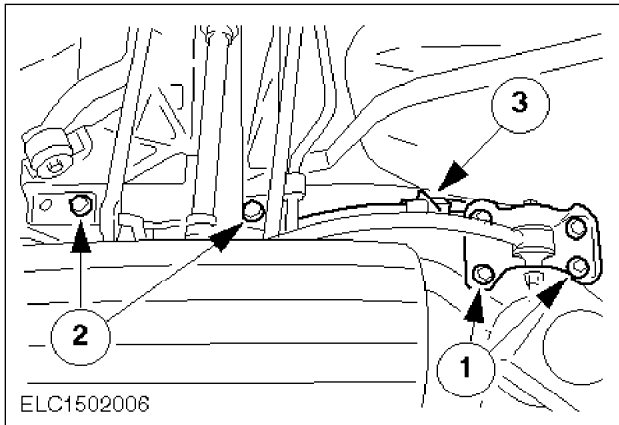
- 4. Detach the handbrake cable from the back plate assembly.
  - 1 Remove the snap ring (on right and left-hand)
  - 2 Unfasten the handbrake cable from the operating lever and remove (on right and left-hand)

side).



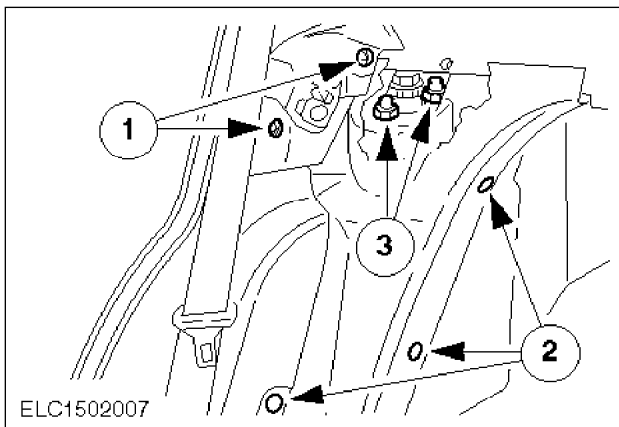
5. Remove the load apportioning valve (LAV) from the rear axle (on right and left-hand side).

- 1 Remove the bolts on the axle beam.
- 2 Undo the nuts on the lower suspension arm.



6. Release the rear axle from the body.

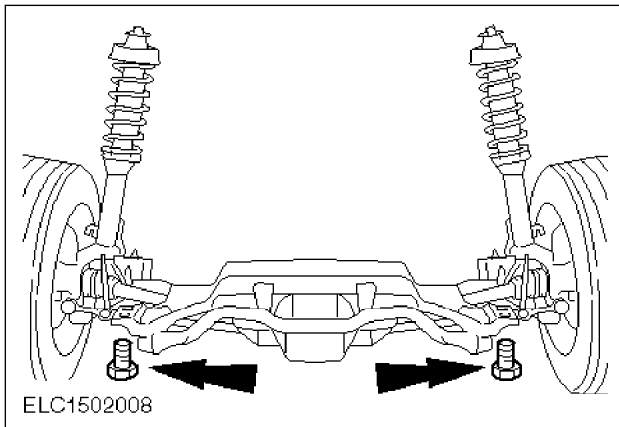
- 1 Unscrew the mounting from the body (on right and left-hand side).
- 2 Release the rear axle crossmember bolts (right and left).
- 3 Remove the brake hoses from the body.



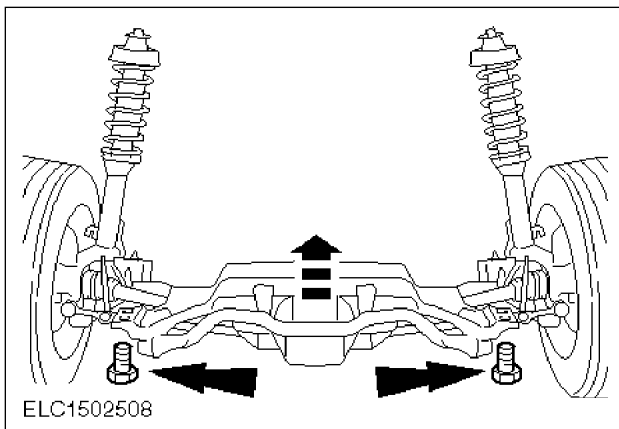
7. Release the upper right and left-hand suspension struts.

Lower the vehicle.

- 1 Remove the side panels.
- 2 Remove the wheel arch panels.
- 3 Undo the suspension strut nuts.

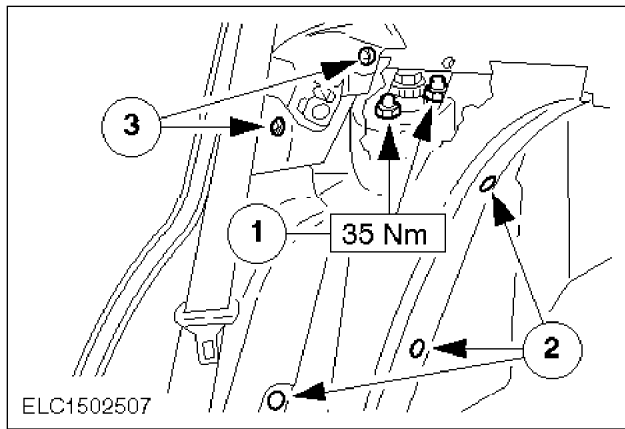


8. Remove the rear axle assembly.
  - Support the rear axle assembly on a trolley jack.
  - Remove the rear axle assembly bolts (four).
  - Raise the vehicle.



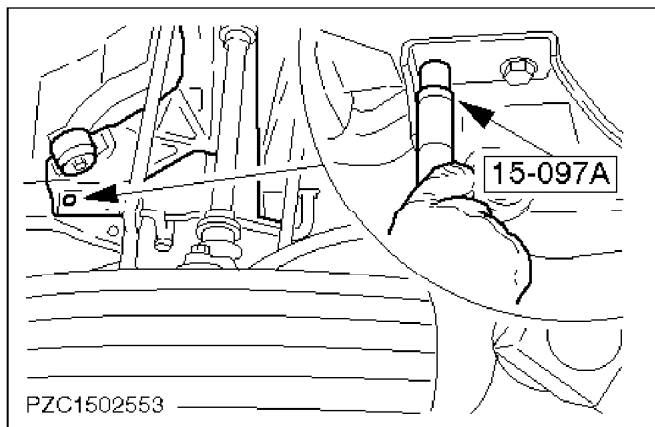
## Install

9. Install the rear axle assembly.
  - Support the rear axle assembly on a trolley jack.
  - Lower the vehicle and insert the suspension struts into the suspension strut top mount.
  - Lift up the rear axle and fit the rear axle crossmember bolts (four).



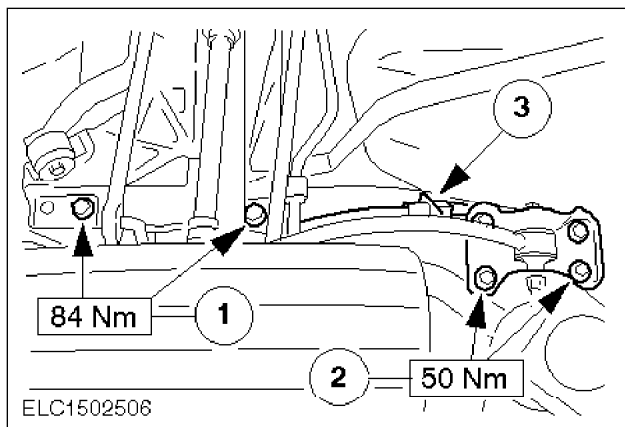
10 Secure the upper right and left-hand suspension struts.

- 1 Tighten the suspension strut nuts.
  - 2 Fit the wheel arch panels.
  - 3 Fit the side panels.
- Raise the vehicle.



11 Align the rear axle.

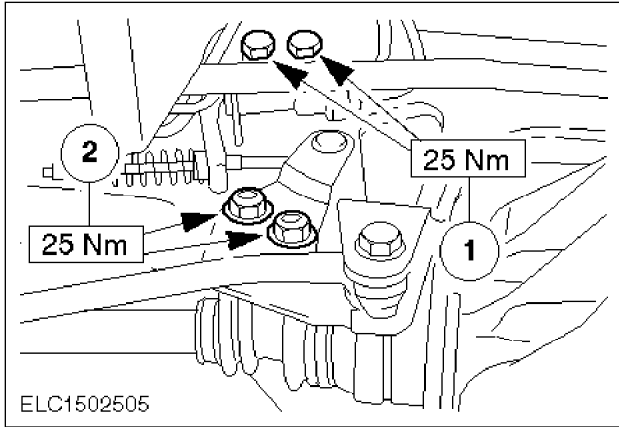
- Fit the transmission extension housing bolts.
- Align the rear axle crossmember to the body (right and left-hand) using the special tool.



12 Secure the rear axle.

- 1 Tighten the four rear axle crossmember bolts.

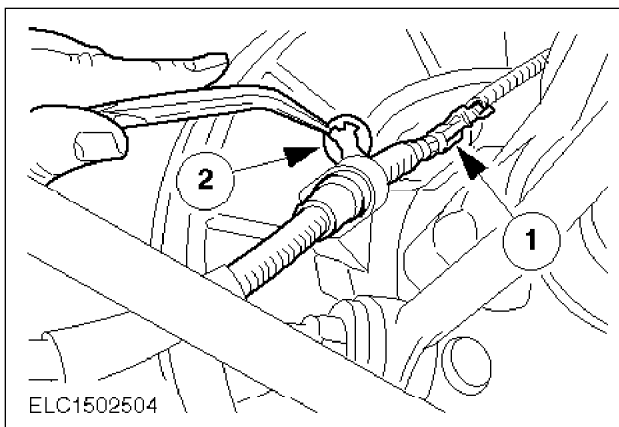
- 2 Bolt the track control arm mounting to the bodywork (on the right and left-hand sides).
- 3 Fit the brake hose and the brake pipe.



13. Fit the right and left-hand load apportioning valve (LAV).

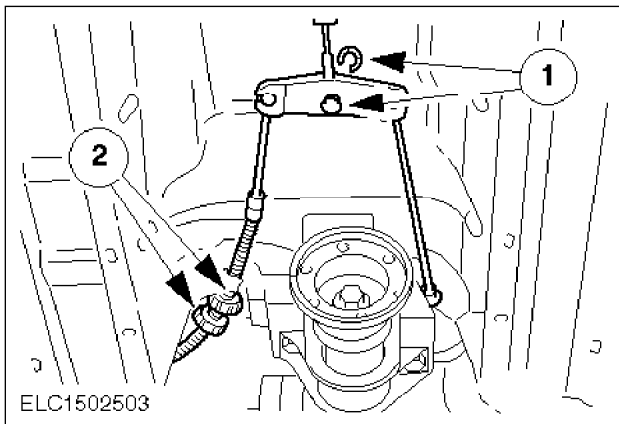
- 1 Bolt on to the rear axle crossmember.
- 2 Bolt on to the lower suspension arm.

14. Adjust the LAV as described in [«Operation Number 12 136 0»](#).



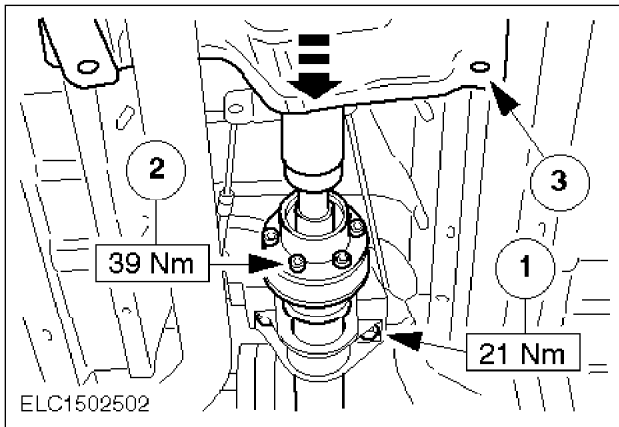
15. Fit the handbrake cable to the back plate assembly.

- 1 Fit the handbrake cable and fasten to the operating lever (right and left).
- 2 Fit the snap ring (right and left).



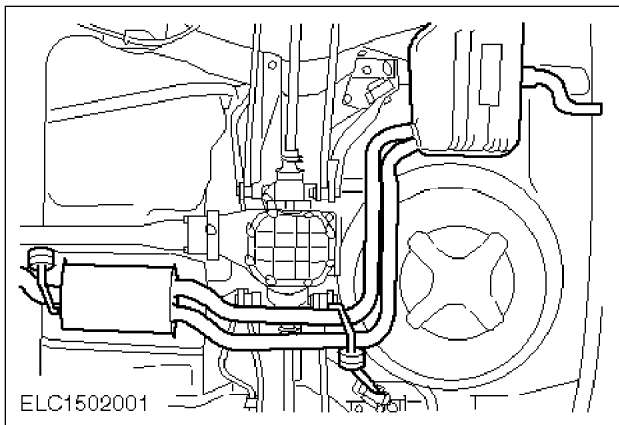
16. Fit the handbrake.

- 1 Attach the clip and the bolt (handbrake equaliser).
- 2 Adjust the handbrake as described in [«Operation No. 12 662 5»](#).



17. Tighten the rear axle housing/tube and fit the driveshaft.

- 1 Tighten the rear axle housing/tube.
- 2 Fit the driveshaft and the new gasket to the rear axle housing/tube (six bolts).
- 3 Move the heat shield to the rear and secure with four clip-nuts.



18. Install the rear exhaust system.

- Fasten the rubber mountings.
- Fasten the exhaust system to the rubber mountings and secure to the catalytic converter.
- Check the transmission fluid level (to the level check hole).

19. Bleed the brake system as described in [«Operation No. 12 141 3»](#).

Lower the vehicle.