

Rear Axle Assembly - Remove and Install (15 214 0)

Workshop Equipment

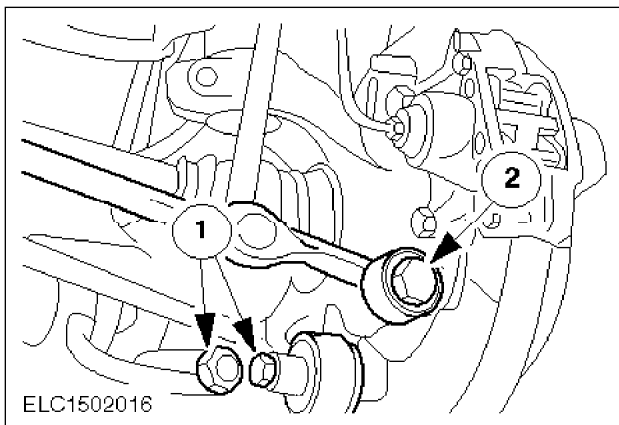
Transmission jack	
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Materials

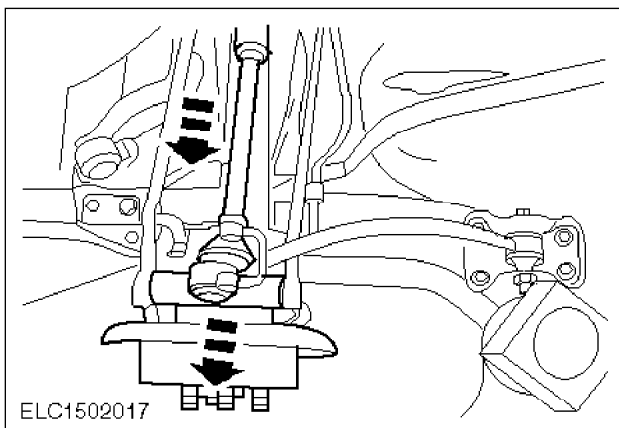
Rear axle transmission fluid (Hypoid)	SQM-2C9002-AA
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Remove

1. Preparatory measures.
 - Raise the vehicle.
 - Remove the rear wheels.



2. Remove the tie bar and the lower suspension arm from the stub axle (on both sides).
 - 1 Remove the lower suspension arm bolt.
 - 2 Remove the tie bar bolt and pull the tie bar downwards.



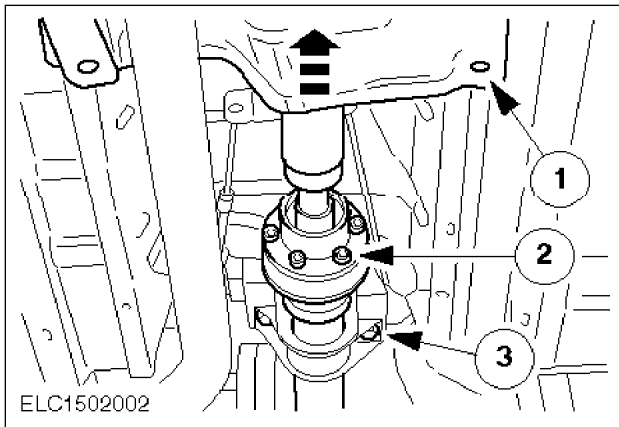
3. Remove the rear wheel driveshafts from the rear axle assembly.

- Swivel the wheel suspension assembly and the driveshafts outwards.

Note:

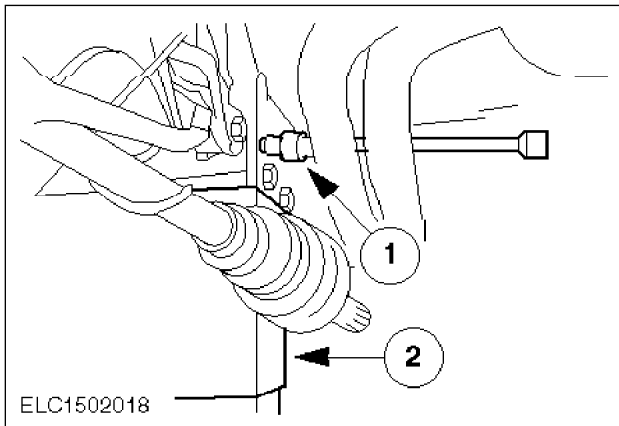
Close off the rear axle assembly using suitable plugs.

- Remove the driveshafts from the rear axle assembly and tie them up.



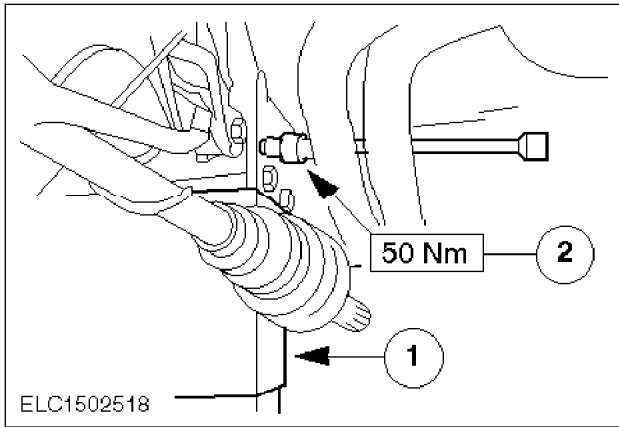
- 4. Remove the driveshaft and release the rear axle housing/tube.

- 1 Release the heat shield (four clip-nuts) and move it forwards.
- 2 Remove the driveshaft from the rear axle housing/tube (six bolts). Support the rear axle differential assembly on a transmission jack.
- 3 Release the transmission extension housing from the body.



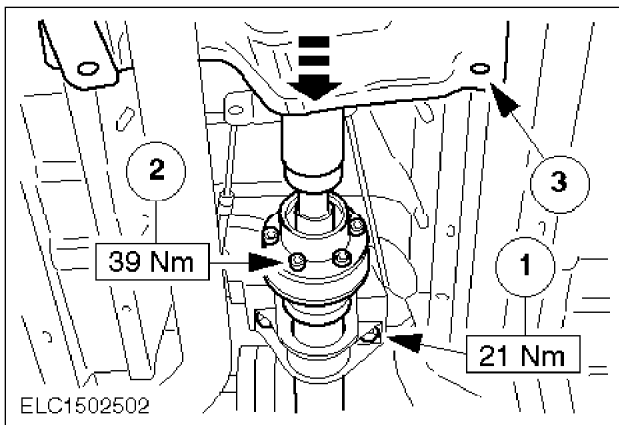
- 5. Remove the rear axle differential assembly

- 1 Remove the bolts from the differential carrier.
- 2 Lower the rear axle differential assembly.

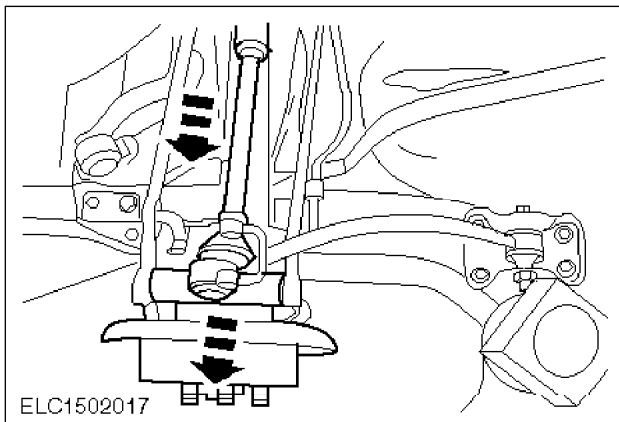


Install

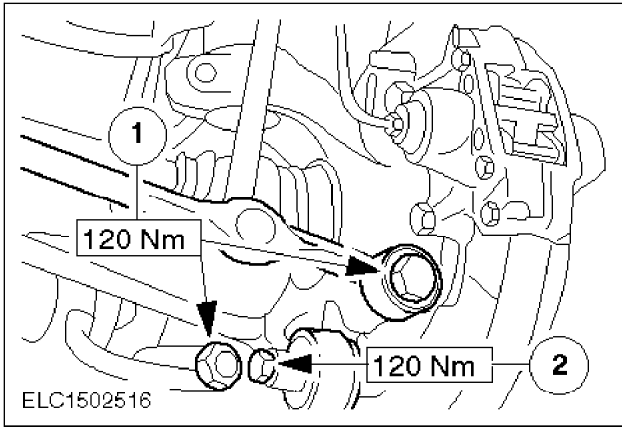
6. Install the rear axle differential assembly.
 - 1 Raise the rear axle differential assembly.
 - Fit the differential carrier bolts.
 - Fit the rear axle housing/tube bolts.
 - 2 Tighten the differential carrier.



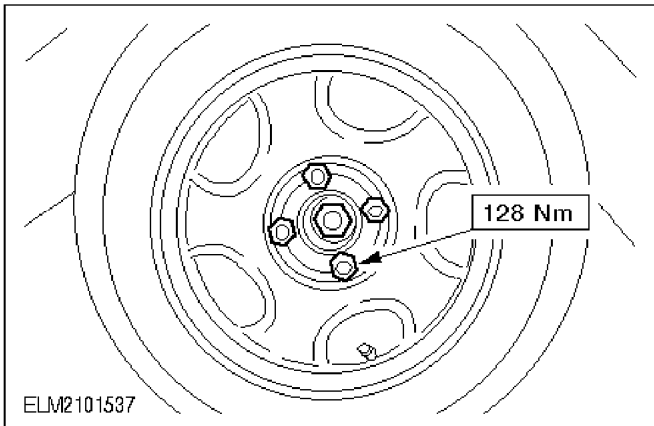
7. Tighten the rear axle housing/tube and fit the driveshaft.
 - 1 Tighten the transmission extension housing.
 - 2 Fit the driveshaft and a new gasket to the rear axle housing/tube.
 - 3 Move the heat shield to the rear and secure it with four clip-nuts.



- 8. Fit the rear wheel driveshafts.
 - Remove the blanking plugs.
 - Push the wheel suspension and the driveshaft outwards and fit the driveshaft in the rear differential assembly.



- 9. Attach the tie bar and the lower suspension arm to the stub axle (on both sides).
 - 1 Fit the lower suspension arm to the stub axle.
 - 2 Fit the tie bar to the stub axle.
 - Check the oil level (to the level check hole).
 - Fit the wheels.
 - Lower the vehicle.



- 10 Tighten the wheel nuts.
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