

## General



### WARNING!

Never work under a vehicle with air suspension, which is not fully secured against falling, in case there is a change of pressure in the air bellows. There is a risk of getting trapped and injured. Both the chassis and moving axle suspension components must be secured against falling with axle stands to ensure absolute safety when working under a raised vehicle.

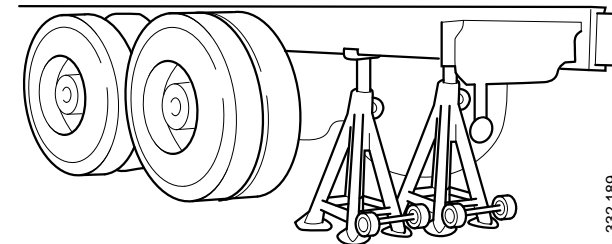


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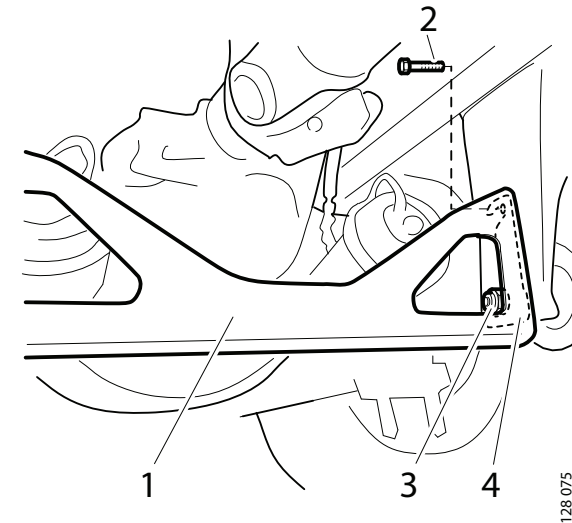
Use protective goggles when draining oil. Oil can spray out at high pressure if the rear axle housing ventilation is blocked.

## Work description

1. Take the load off the axle housing before removing the central gear.
2. Trucks with leaf spring suspension must be supported under the frame or springs as illustrated.



3. Loosen the nuts for the spring bolts (3), but leave them threaded a few turns.<sup>1</sup>
4. Tap in the spring bolts slightly.<sup>1</sup>
5. Remove the screws (2) and keep the shims (4).<sup>1</sup>
6. Remove the connecting member (1).<sup>1</sup>



1. *Connecting member*
2. *Screws*
3. *Spring bolts*
4. *Shims*

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1. Vehicles with connecting member.

7. Loosen the nuts for the half shaft flanges, but leave them threaded a few turns. Clean the threads in the puller holes using a pilot tap, and screw in three screws so that the flange exerts tension on the cones. Carefully tap on the half shaft flange with a copper sledge hammer until the cones come loose.
8. Remove the nuts, cones and half shaft flanges, and pull out the half shafts approx. 20 cm.
9. Drain the oil from the axle housing (also refer to the oil section).
10. Detach electrical cables and compressed air lines for the differential locks.
11. Remove the propeller shafts.
12. Remove brake components that are in the way.
13. Undo all nuts except 2 (one in each upper side) securing the central gear.
14. Attach the central gear to the jack using the tools as illustrated.
15. Remove the 2 remaining nuts securing the central gear and pull it out from the rear axle housing.



**WARNING!**

Be careful during this procedure. Do not stand at the side of the gear. Risk of crushing injuries if it tips over.

