

General

The description only applies to left-hand drive vehicles with a chassis front end width of 1,020 mm.

IMPORTANT!

On vehicles with front axle air suspension, the frame must be supported on axle stands and the front air bellows must be emptied. Do not place stands under the front torque rod brackets.

Tools

Examples of suitable tools from Scania:

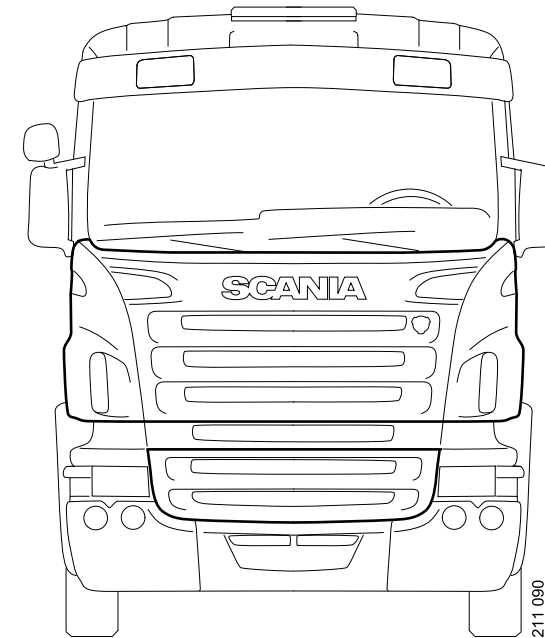
Part number	Designation
87 013	Attaching plate
98 148	Attaching plate
98 402	Fixture holder
98 403	Fixture shaft
98 405	Bracket and fixture beam
99 325	Lifting tool for power steering gears
99 420	Puller
99 435	Ball joint puller
587 692	Engine stand

Removing the power steering gear

Work description

Work description

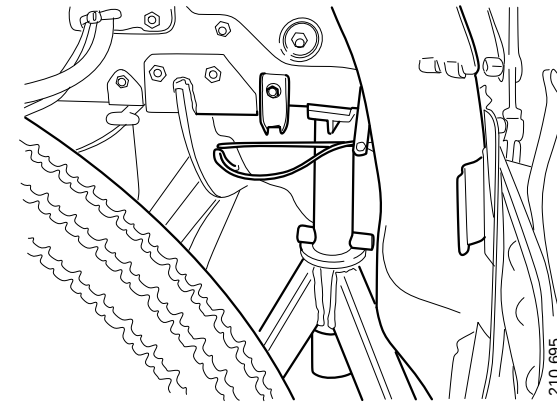
1. Open the front grille panels.



Removing the power steering gear

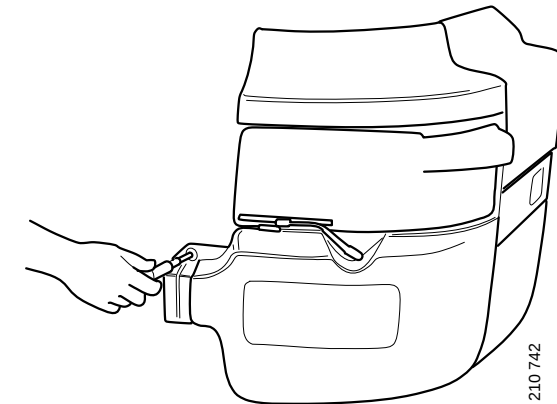
Work description

2. Support the vehicle front axle on stands.¹



3. Remove the bumper corner cover in front of the power steering gear.²

Remove the cover plate by the footstep.³

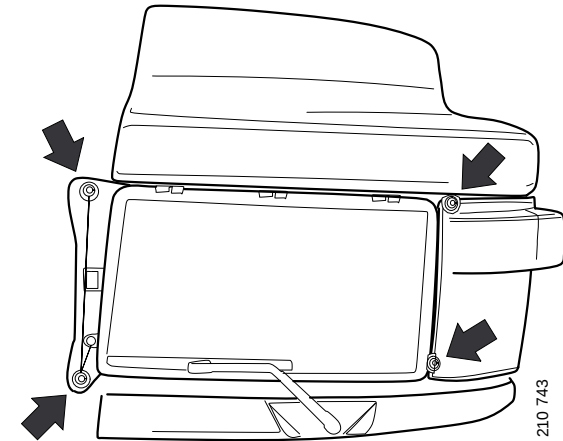


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1. Vehicles with a front axle with air suspension.
 2. Vehicles with plastic bumpers.
 3. Vehicles with steel bumpers.

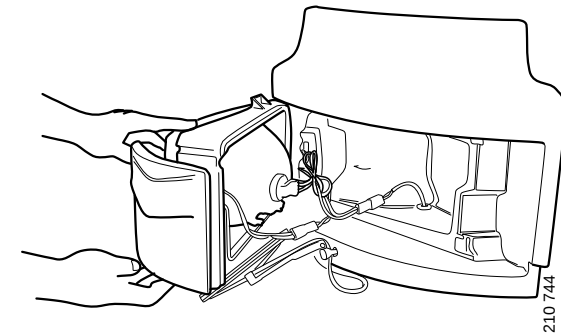
Removing the power steering gear

Work description

4. Loosen the screws for the lamp insert.



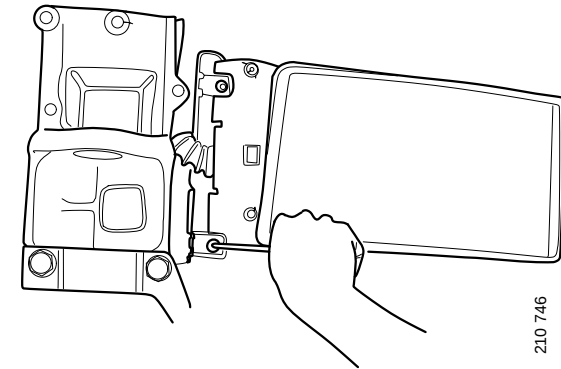
5. Bend the lamp insert out and remove the electrical connections.



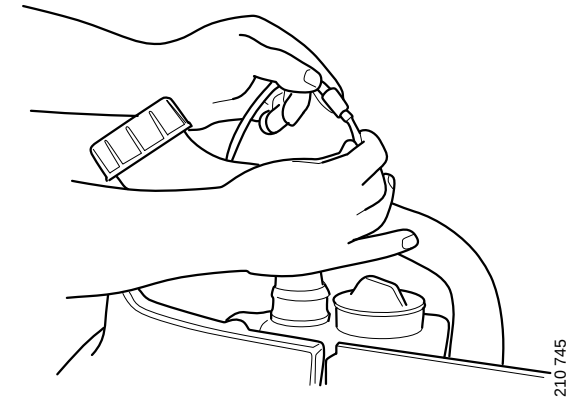
Removing the power steering gear

Work description

6. Loosen the bend joint screws and remove the lamp insert.

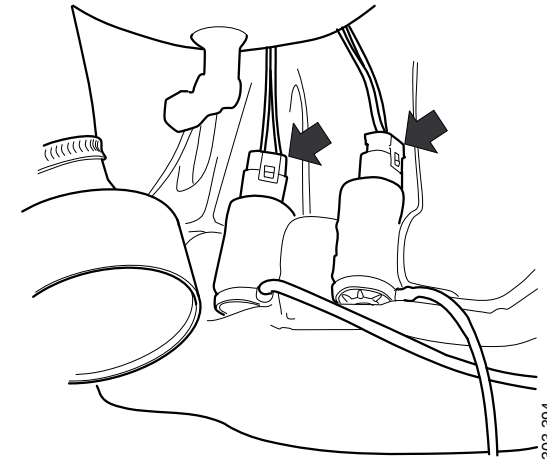


7. Remove the washer container cover and cut off the cable ties for the cables on the top of the container.



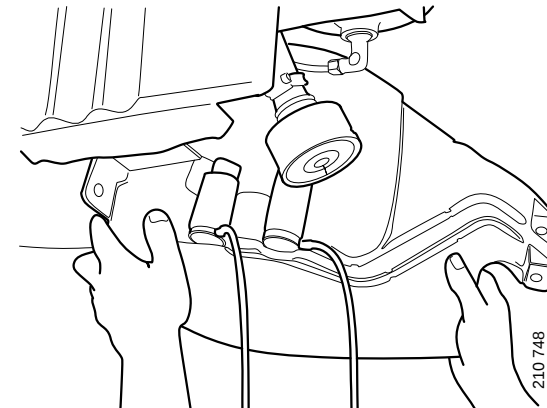
Removing the power steering gear

8. Plug the hoses so that washer fluid does not run out.



9. Remove the washer container retaining screws and lift the container down.

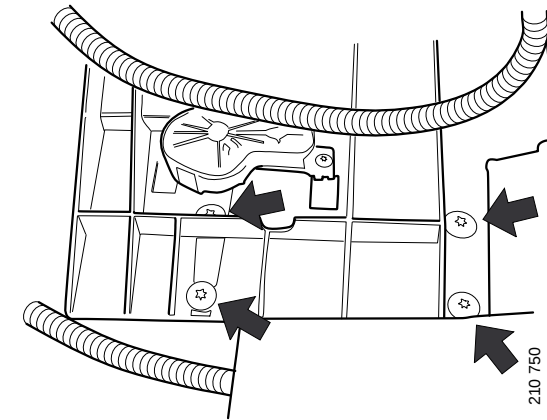
10. Cut off the cable ties for the cables behind the headlamp casing.



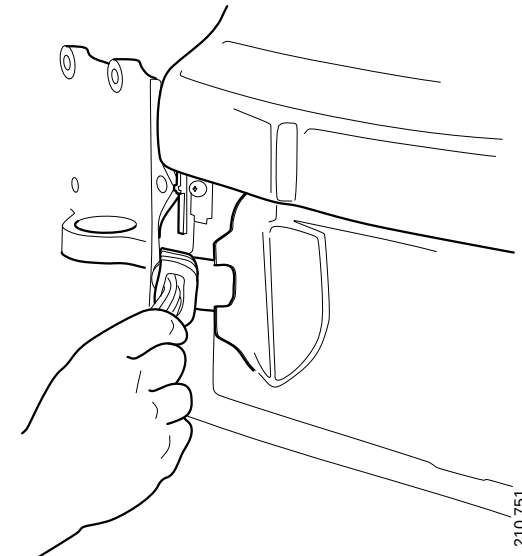
Removing the power steering gear

Work description

11. Remove the screws for the lamp insert casing from underneath.



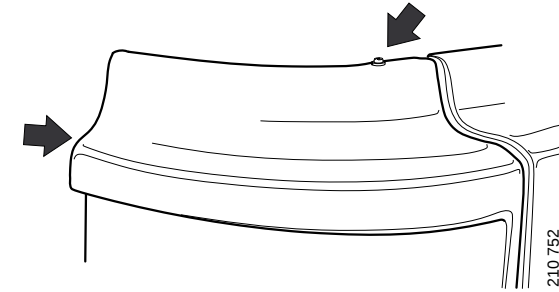
12. Remove the cable grommet.



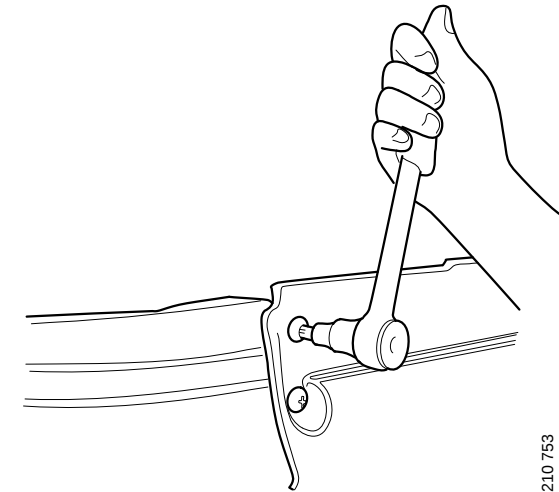
Removing the power steering gear

Work description

13. Remove the screws on the outside of the casing and remove the casing.



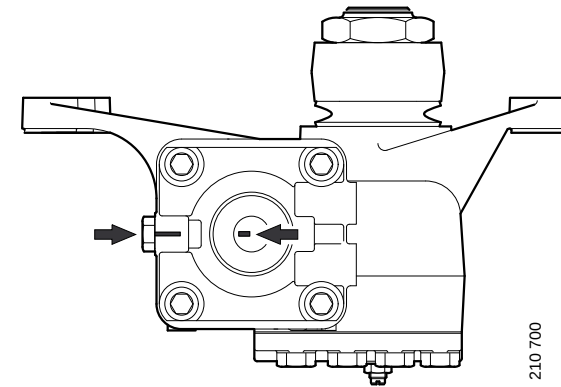
14. Remove the underlying corner panel.



Removing the power steering gear

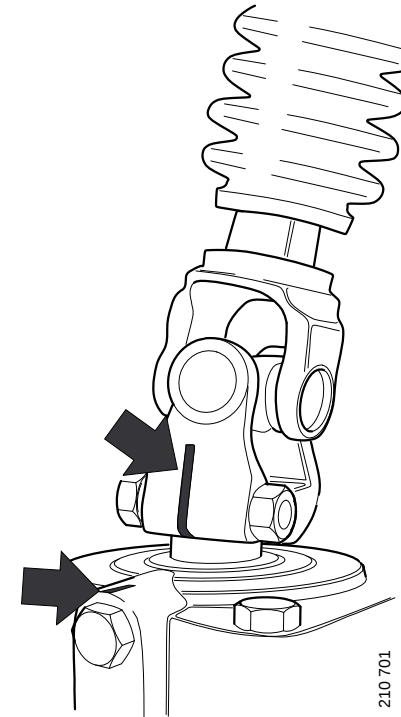
Work description

15. Set the wheels in the straight ahead position and remove the input shaft from the power steering gear. Remove the universal joint from the power steering gear input shaft.



Removing the power steering gear

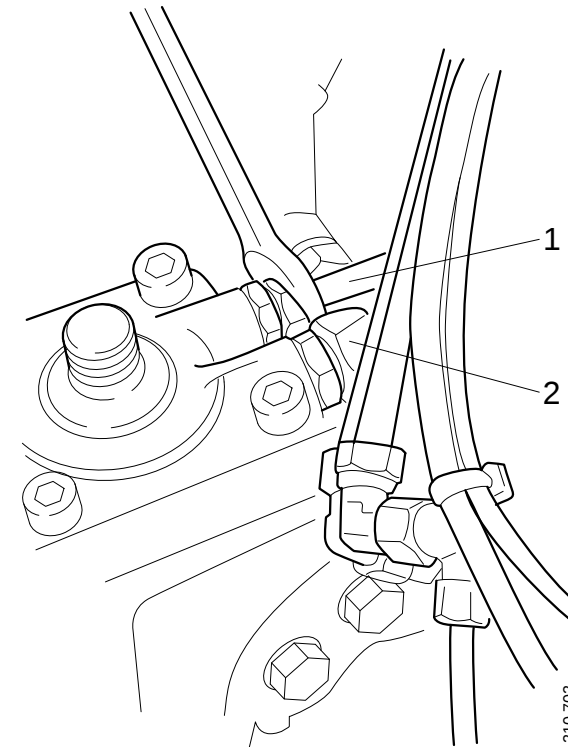
16. Remove the steering column universal joint from the power steering gear input shaft. If necessary, use puller 99 420.



Removing the power steering gear

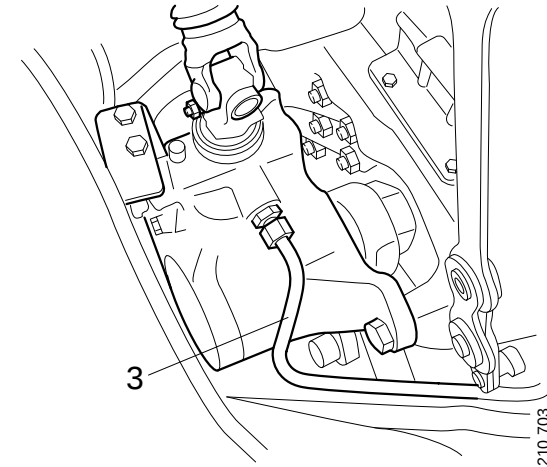
Work description

17. Place a receptacle under the fluid reservoir and power steering gear.
18. Clean the power steering gear and the area immediately around the power steering gear thoroughly.



Removing the power steering gear

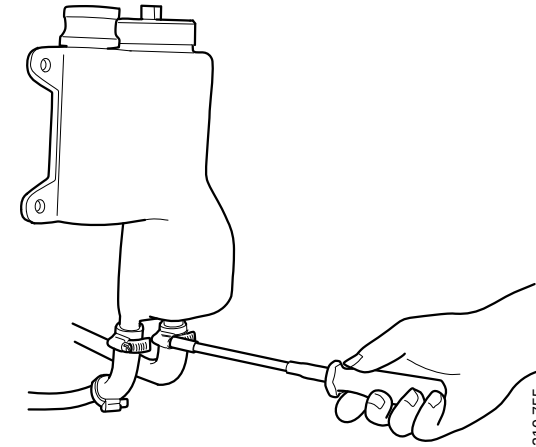
19. Remove pressure and return pipes from the power steering gear. Remove the pipes in the joint unions next to the right-hand frame member.
20. Remove the pipes.



Removing the power steering gear

Work description

21. Remove the thick hose from the fluid reservoir.
22. Undo the engine oil filler pipe and compressed air pipes from the fluid reservoir attachment.



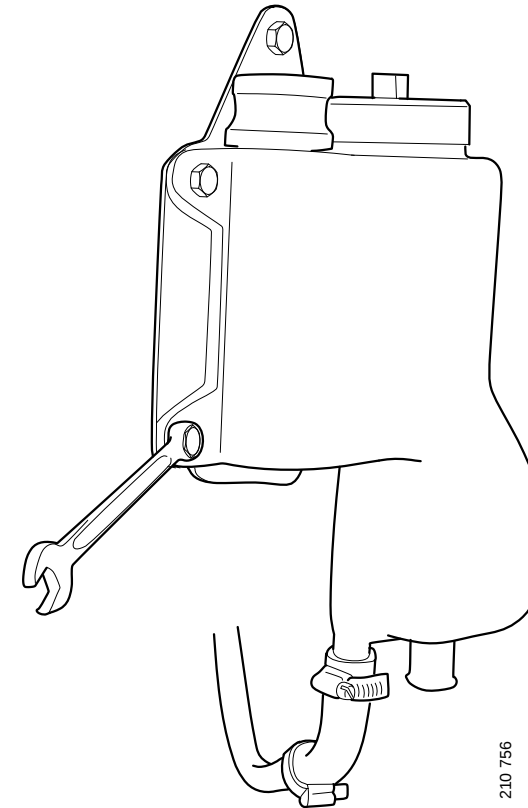
Removing the power steering gear

23. Remove the fluid reservoir for cleaning and filter renewal, with return hose connected.

Vehicles with dual circuit steering have double fluid reservoirs. The number of retaining screws and their location is however the same as for vehicles with single fluid reservoirs.

24. Remove the fluid reservoir bracket from the power steering gear.

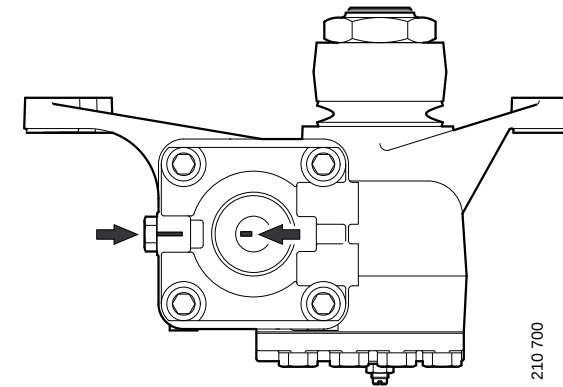
25. Carefully press out the compressed air pipes in a slightly sideways direction.



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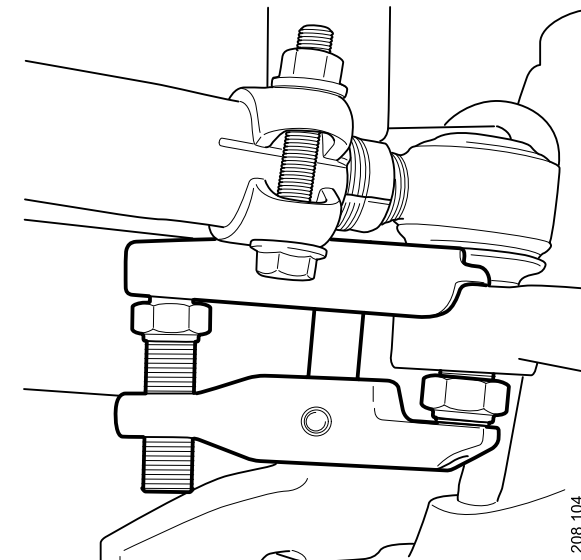
Removing the power steering gear

26. Check that the marking on the power steering gear input shaft is straight ahead and in the middle of the marking on the valve housing, when the wheels are in the straight ahead position.



27. Remove the draglink ball joint from the droparm using puller 99 435.

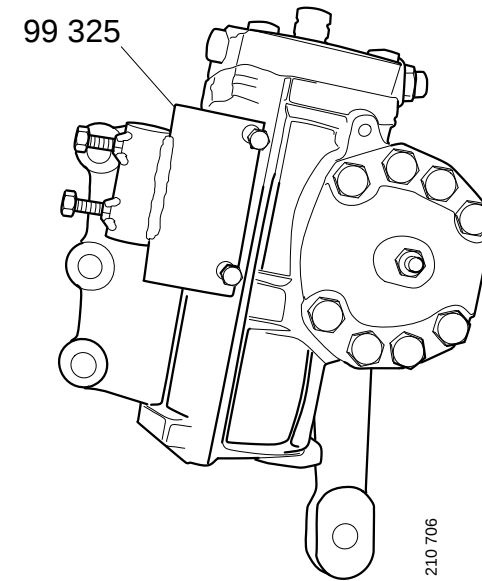
28. Tilt the cab and secure it using the cab strut.



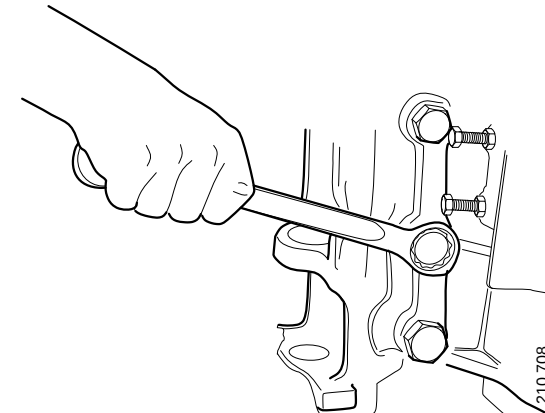
Removing the power steering gear

Work description

29. Fit lifting tool 99 325 on the power steering gear.



30. Undo the power steering gear retaining screws.

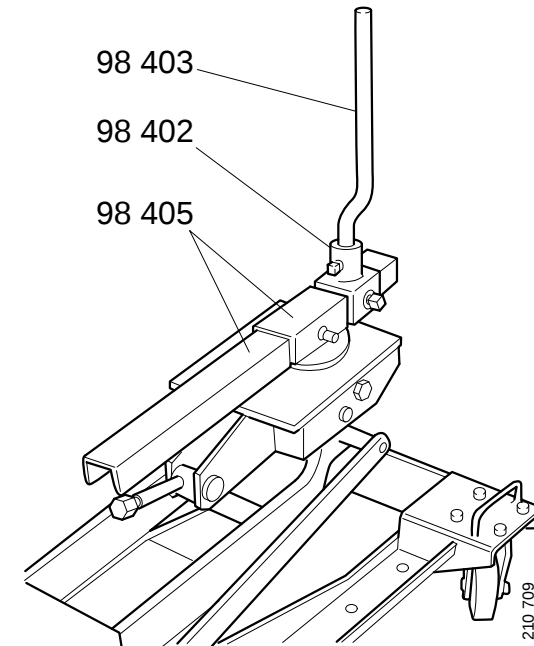


Removing the power steering gear

Work description

31. Fit the following fixture tools to the gearbox jack:

- Bracket and fixture beam 98 405
- Holder 98 402
- Fixture shaft 98 403



Removing the power steering gear

Work description

32. Connect fixture shaft 98 403 to lifting tool 99 325 on the power steering gear.
33. Remove the power steering gear retaining screws.
34. Pull the power steering gear out forwards at an angle.

