

## General

Applies to vehicles with G and R cabs and front end width 1,140 mm.



### WARNING!

- Wear protective gloves, protective goggles and protective clothing when working with the air-cooled EGR cooler.
- Do not open the AC circuit or undo any connections since they contain pressurised refrigerant.

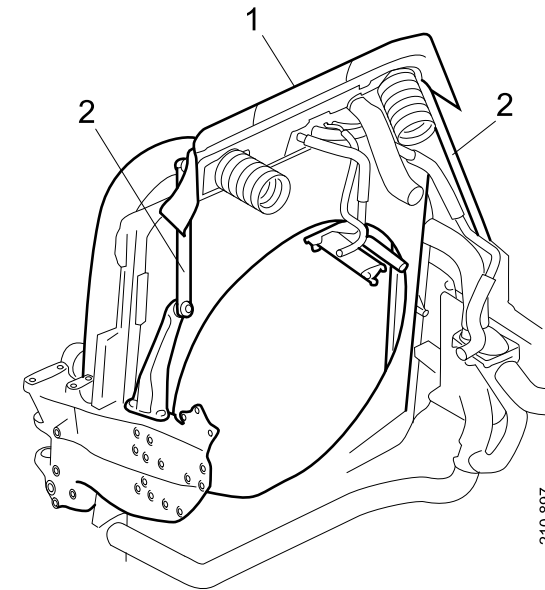
## Tools

Examples of suitable tools from Scania:

Part number	Designation
99 242	Cab tool
99 431	Cab strut

## Work description

1. Drain coolant and empty pneumatic system<sup>1</sup>.
2. Tilt the cab and secure it using cab strut 99 431.
3. Remove the upper recirculation shield (1). Remove the torque rods (2) on both sides of the radiator.

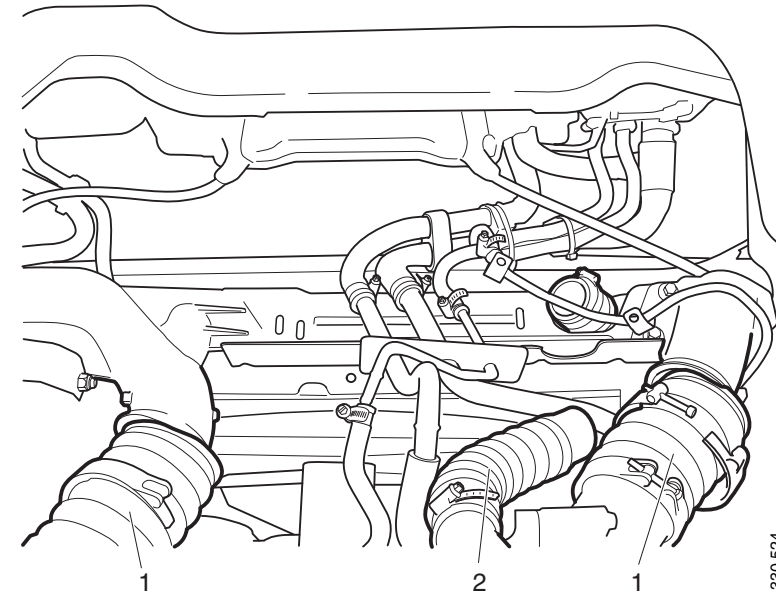


1. *Recirculation shield*
2. *Torque rods*

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1. Vehicles with air suspension.

4. Remove the charge air hoses (1) from the charge air cooler. Detach the coolant pipe and the hose (2) to the air-cooled EGR cooler.
5. Undo AC pipe brackets.<sup>1</sup>



1. Charge air hoses
2. EGR cooler hose

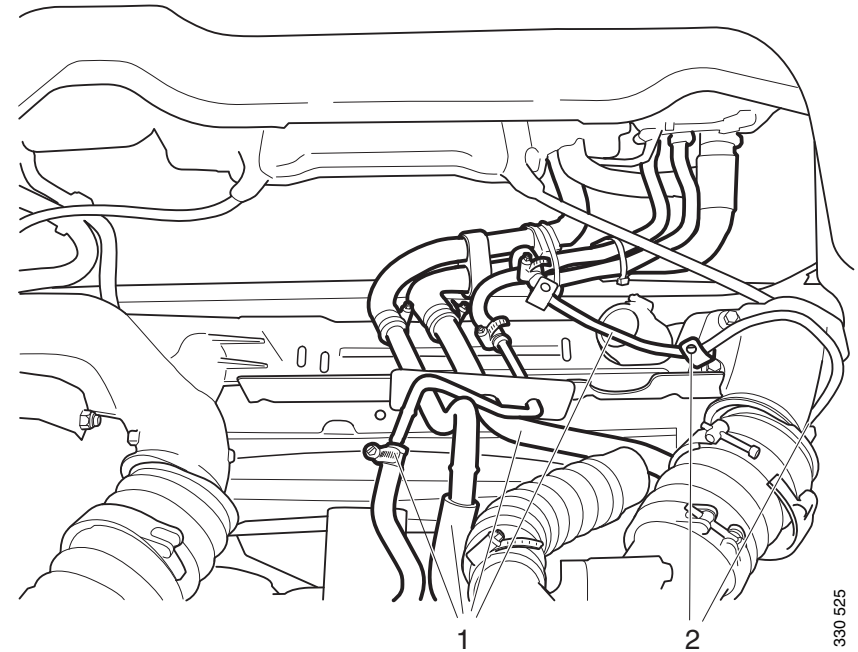
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1. Vehicle with AC.

Information below applies to vehicles with air-sprung cabs:

6. Detach the coolant hoses (1) between the engine, cooling package and expansion tank. The hoses must be detached on the side of the hose bracket closest to the engine. Undo the clamps (2).
7. Detach the bracket for hoses between the engine, cooling package and expansion tank.
8. Remove the cab strut and lower the cab.
9. Open the front grille panel. Remove the lower front grille panel. Remove the centre plate in the radiator grille.
10. Gather together the coolant hoses and suspend them with cable ties so that they are not in the way when working on the radiator.
11. Detach the lower coolant hose between the engine and radiator from below. Lift out the radiator.



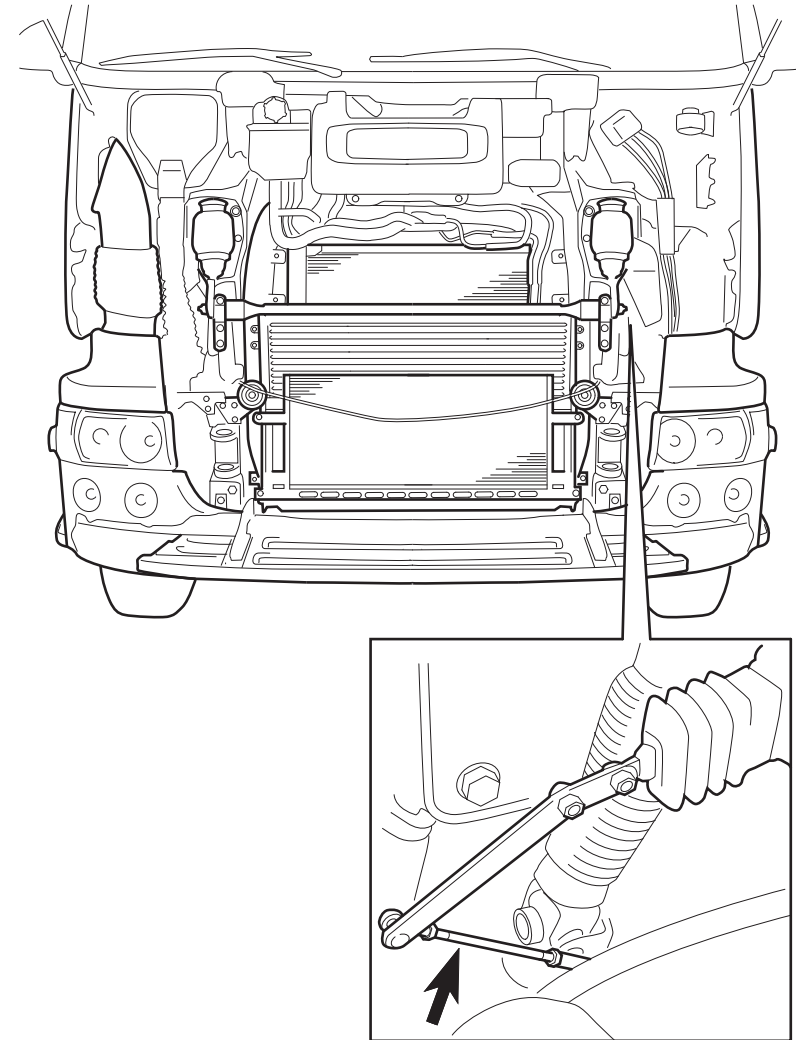
1. Coolant hoses
2. Clamps

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1. Undo the link for the levelling valve lever on the left side; see illustration.  
Undo the hydraulic hose cable ties, see illustration, so that the hydraulic hose can be placed above the radiator.<sup>1</sup>
2. Fit cab lifting tool 99 242. Lift the cab at the front edge. It is only necessary to raise the cab slightly to remove the cab anti-roll bar and the radiator.

**! IMPORTANT!**

Lift the cab no more than the length of the electrical cables between the cab and chassis will allow.

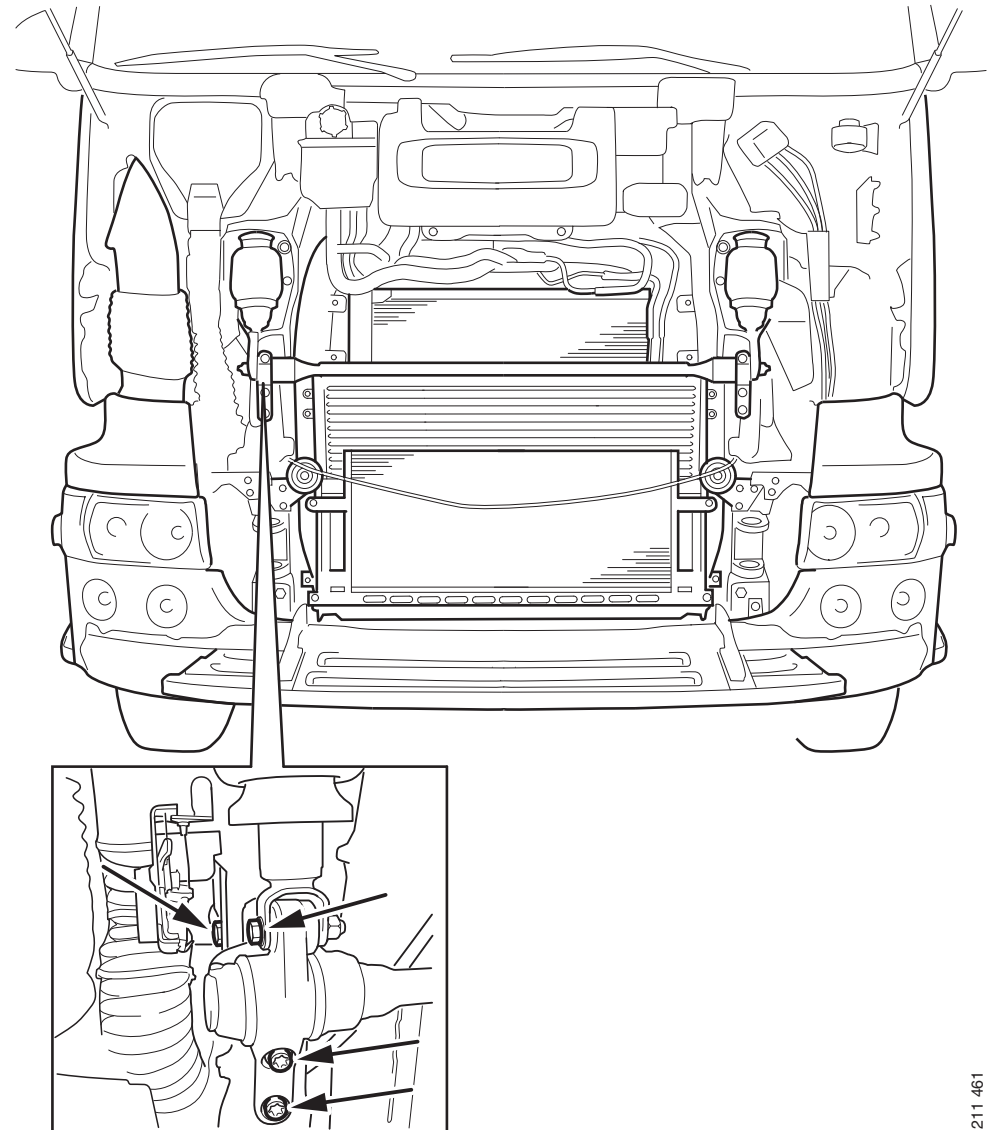


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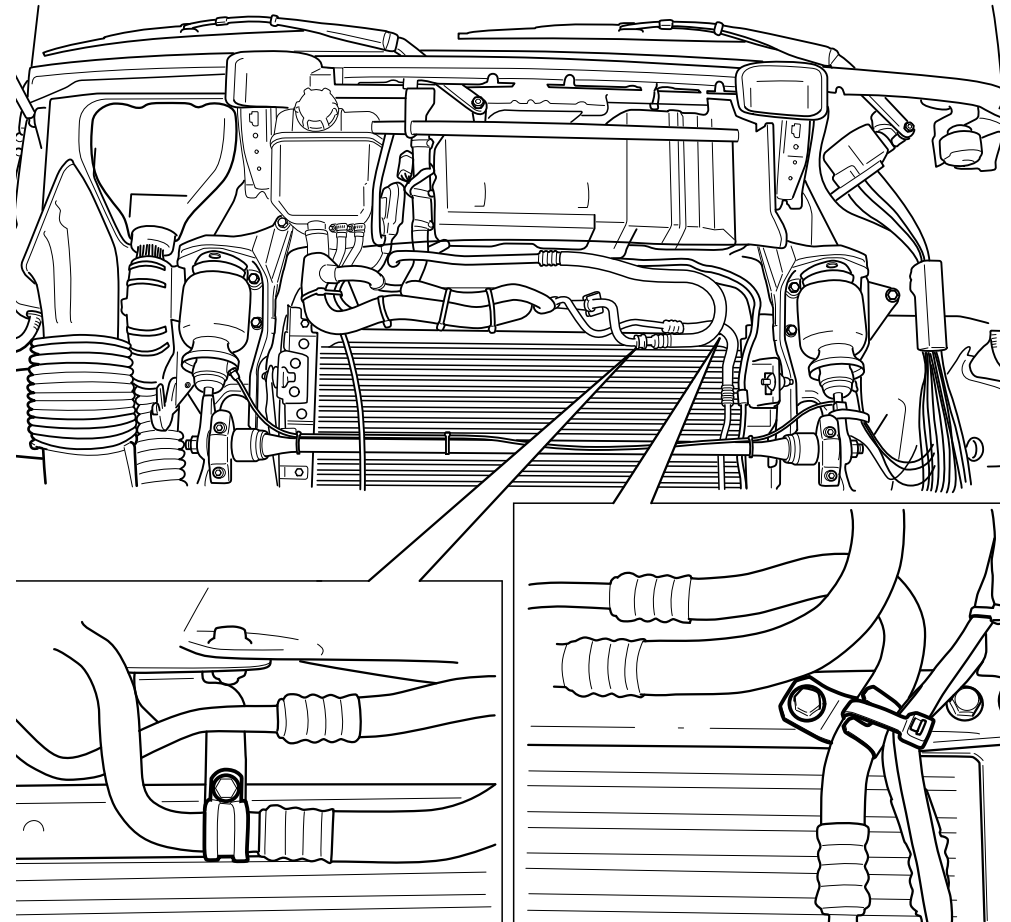
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1. Vehicles with hydraulic clutch operation.

3. Remove the screw for the lower cab spring attachment, then the cab anti-roll bar screws and finally the screws for the cab attachment, see illustration.
4. Remove the cab anti-roll bar.



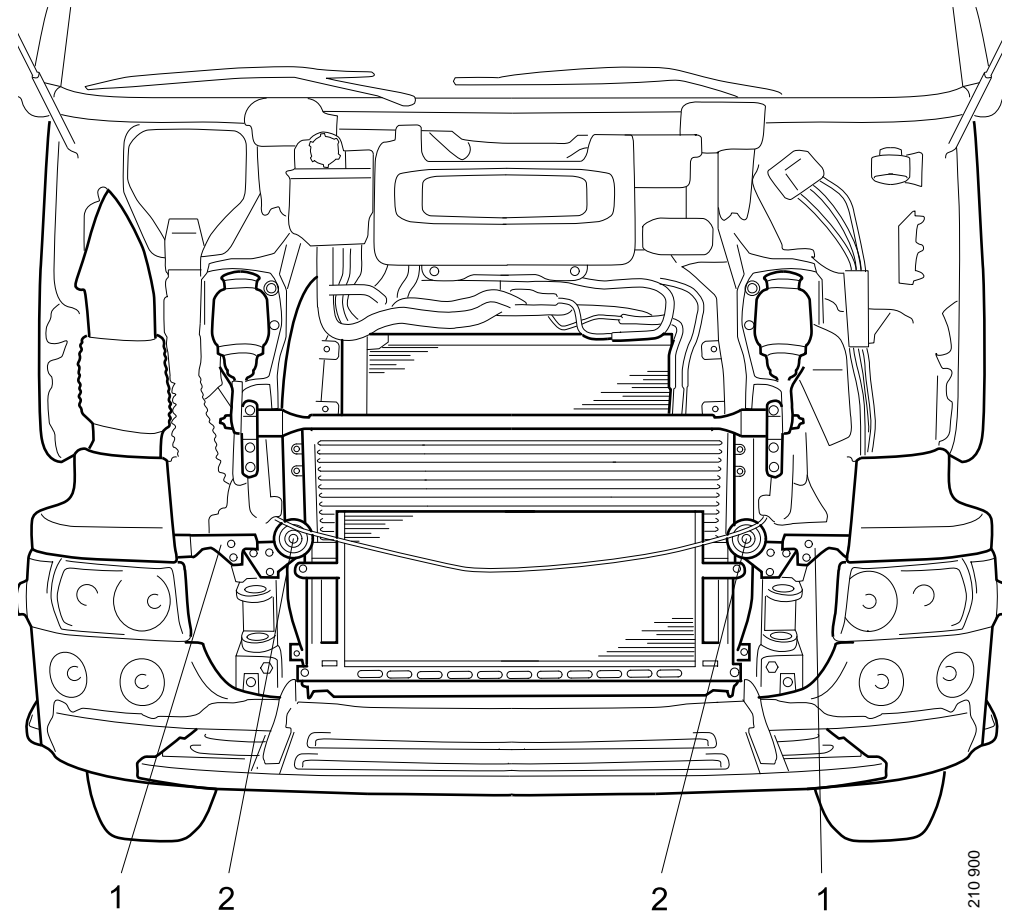
5. Undo the clamps securing the pipes to the condenser.
6. Undo the condenser brackets as illustrated. Suspend the condenser using cable ties.
7. Undo the quick release couplings to the gearbox oil cooler and fold the gearbox oil cooler away.<sup>1</sup>



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1. Vehicles with gearbox oil cooler.

8. Remove main headlamp brackets (1) and radiator fasteners (2).

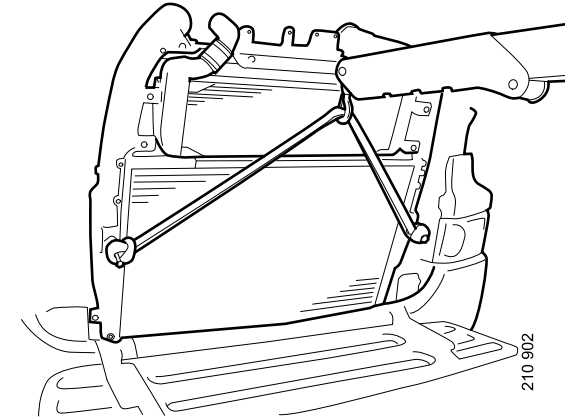


- 1. Headlamp brackets
- 2. Radiator fasteners

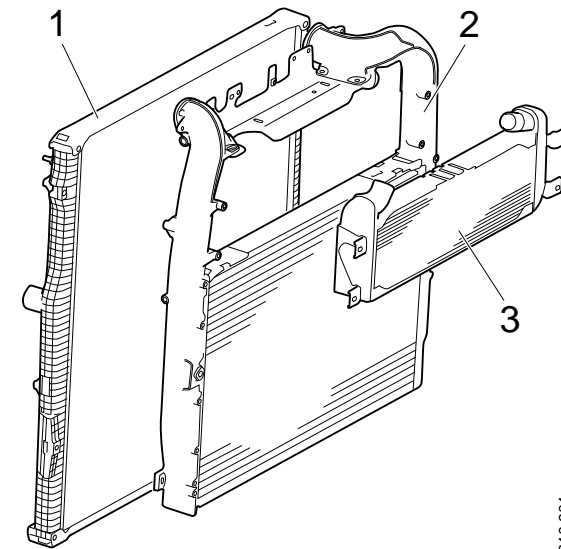


9. Fit the long screws in the threaded holes for the radiator fasteners. Use the screws as anchorage points for lifting straps and lift out the cooling package; see illustration.

If it is hard to lift out, make sure that all attachments and connections really are detached and not in the way. Angle out the cooling package at the top and then pull straight out. Check that the cooling package has clearance. Angle the cooling package if necessary.



10. Dismantle the cooling package by first removing the fan cover from the radiator (1), and then removing the radiator from the charge air cooler (2) and air-cooled EGR cooler (3).



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- 1. Radiator
- 2. Charge air cooler
- 3. EGR cooler