



How to change coolant  
expansion tank on  
**RENAULT Master II**  
**Minibus** – replacement  
guide

## SIMILAR VIDEO TUTORIAL



This video shows the replacement procedure of a similar car part on another vehicle

### Important!

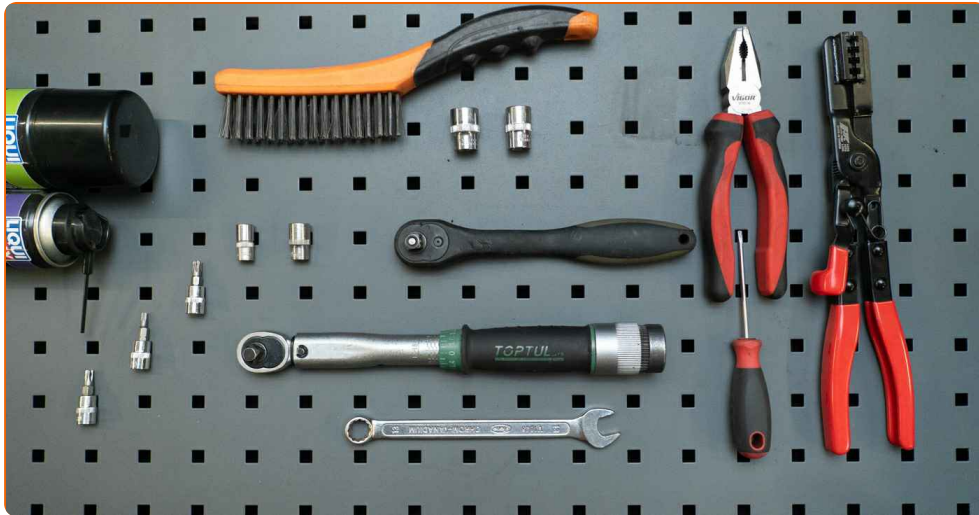
This replacement procedure can be used for:

RENAULT MASTER II Bus (JD) 2.8 dTi, RENAULT MASTER II Bus (JD) 2.2 dCi,  
RENAULT MASTER II Bus (JD) 2.5 dCi, RENAULT MASTER II Bus (JD) 1.9 dCi

The steps may slightly vary depending on the car design.

This tutorial was created based on the replacement procedure for a similar car part on: RENAULT MASTER II Box (FD) 2.2 dCi

## REPLACEMENT: COOLANT EXPANSION TANK – RENAULT MASTER II MINIBUS. TOOLS YOU MIGHT NEED:



- Electronic spray
- Wire brush
- Nylon brush
- All-purpose cleaning spray
- Paper towels
- Torque wrench
- 13 mm combination spanner
- 7 mm socket
- 10 mm socket
- 12 mm socket
- 13 mm socket
- T20 Torx bit
- T30 Torx bit
- T40 Torx bit
- Ratchet wrench or power tool for removal/installation of threaded fasteners
- Ratchet screwdriver
- Combination pliers
- Slotted screwdriver
- Hose clamp pliers
- Hose removal pliers
- Funnel
- Fluid drain pan
- Cable ties

**Buy tools**

### Replacement: coolant expansion tank – RENAULT Master II Minibus. AUTODOC recommends:

- Follow the recommendations and requirements for part operation provided by the manufacturer.
- All the work should be carried out with the engine cooled down and ignition switched off.

## REPLACEMENT: COOLANT EXPANSION TANK – RENAULT MASTER II MINIBUS. TAKE THE FOLLOWING STEPS:

1 Open the bonnet.

2 Use a fender protection cover to avoid damaging the paintwork and plastic parts of the car.

3 Lift the vehicle using a vehicle lift or place it over an inspection pit.

4 Prepare a fluid drain pan.

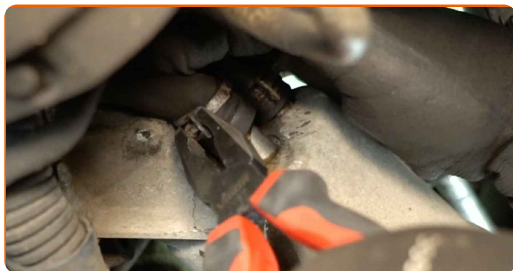


5 Clean the area where the hose is connected to the oil cooler. Use a nylon brush. Use an all-purpose cleaning spray.



6

Disconnect the hose from the oil cooler after releasing the hose clamp. Use combination pliers.



7

Unscrew the coolant expansion tank cap.



Replacement: coolant expansion tank – RENAULT Master II Minibus. Tip from AUTODOC experts:

- Wait until the coolant has completely flowed out of the hose.

8

Clean the tip of the oil cooler where the hose attaches. Use an all-purpose cleaning spray.

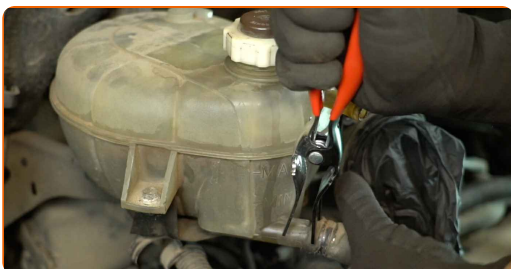


- 9 Connect the hose to the oil cooler. Use combination pliers.



- 10 Lower the vehicle.

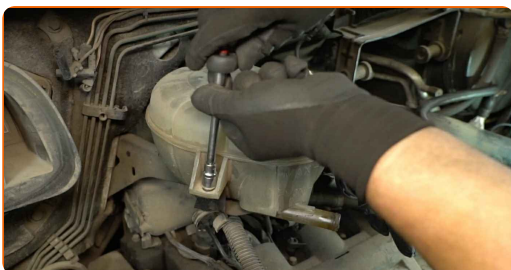
- 11 Disconnect the hoses from the expansion tank. Use hose clamp pliers. Use hose removal pliers.



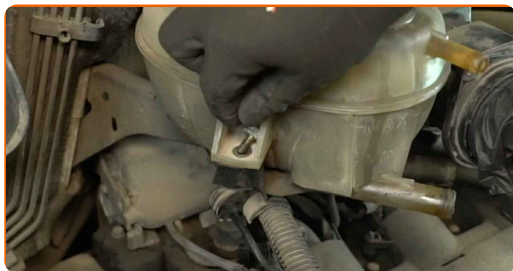
### Caution!

- Block the hoses to stop contaminants from getting in.
- Use paper towels.

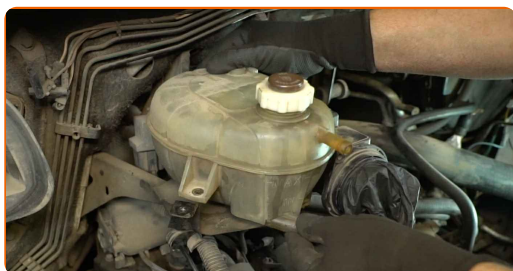
- 12 Unscrew the coolant expansion tank fastener. Use a 10 mm socket. Use a ratchet wrench.



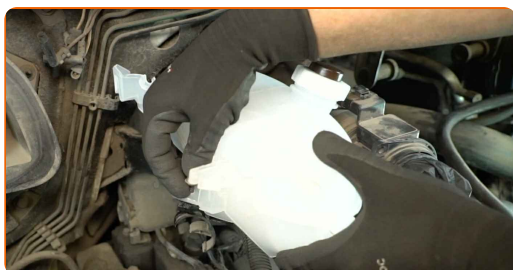
**13** Remove the fastening bolt.



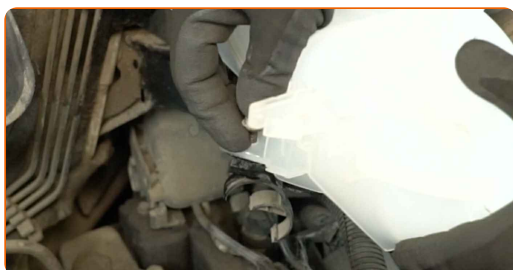
**14** Remove the coolant expansion tank, releasing it from its bracket.



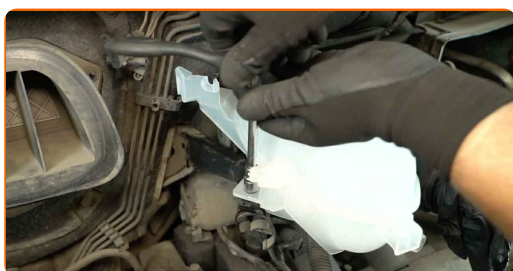
**15** Install the new coolant expansion tank on its bracket until it clicks on.



**16** Install the fastening bolt.



**17** Tighten the expansion tank fastener. Use a 10 mm socket. Use a ratchet wrench.





18

Clean the expansion tank hoses. Use an all-purpose cleaning spray. Remove the paper towels.



19

Connect the hoses to the expansion tank. Use hose clamp pliers.



20

Remove the coolant reservoir cap.



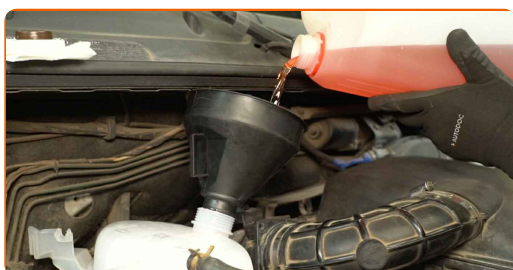
21

Insert the funnel.



22

Pour coolant into the reservoir.





Replacement: coolant expansion tank – RENAULT Master II Minibus.  
AUTODOC recommends:

- Only use the coolant recommended by the manufacturer.

23

Loosen the coolant bleed screw. Use a slotted screwdriver.

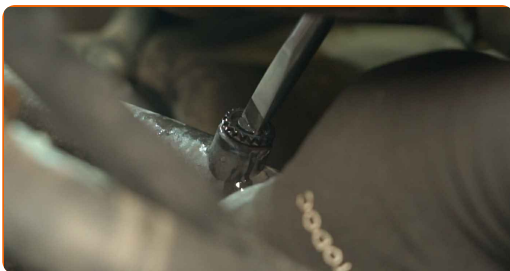


Important!

- Wait until the air goes out of the system.

24

Tighten the coolant bleed screw.



25

Clean the screw and the area around it to remove any coolant. Use an all-purpose cleaning spray.

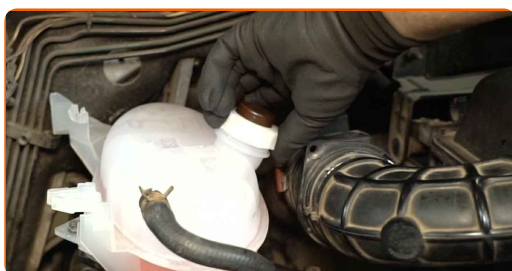


**26** Top up the coolant in the expansion tank.

Replacement: coolant expansion tank – RENAULT Master II Minibus. Tip:

- The coolant level should be at the MAX mark on the reservoir.

**27** Put the coolant reservoir cap back on and tighten it.



**28** Run the engine for a few minutes. This should be done in order to remove residual air from the cooling system and to check that the components are operating correctly and there are no leaks.



**29** Shut off the engine and let it cool down.

**30** Top up the coolant to the MAX mark without exceeding it.



**31** Remove the fender cover.

32

Close the bonnet.

**WELL DONE!** 

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**COOLANT EXPANSION TANK: A WIDE SELECTION**

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