



How to change front
brake hose on **Renault**
Master 2 van –
replacement guide

VIDEO TUTORIAL



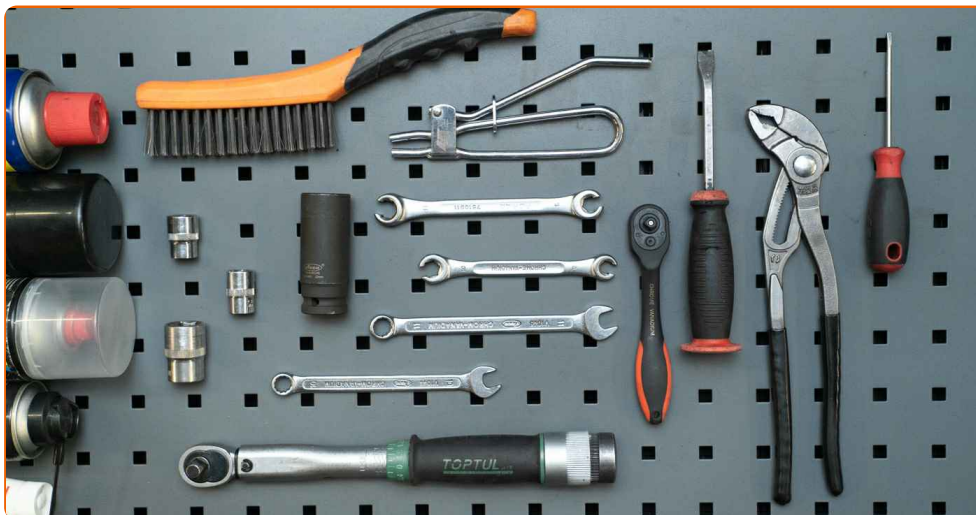
i Important!

This replacement procedure can be used for:

RENAULT MASTER II Box (FD) 2.5 D, RENAULT MASTER II Box (FD) 2.8 dTi, RENAULT MASTER II Platform/Chassis (ED/HD/UD) 2.5 D, RENAULT MASTER II Platform/Chassis (ED/HD/UD) 2.8 dTi, RENAULT MASTER II Bus (JD) 2.5 D, RENAULT MASTER II Bus (JD) 2.8 dTi, RENAULT MASTER II Bus (JD) 2.2 dCi, RENAULT MASTER II Box (FD) 2.2 dCi, RENAULT MASTER II Platform/Chassis (ED/HD/UD) 2.2 dCi, RENAULT MASTER II Bus (JD) 1.9 dTi, RENAULT MASTER II Bus (JD) 2.5 dCi, RENAULT MASTER II Box (FD) 2.5 dCi, RENAULT MASTER II Bus (JD) 1.9 dCi, RENAULT MASTER II Box (FD) 1.9 dCi

The steps may slightly vary depending on the car design.

REPLACEMENT: BRAKE HOSE – RENAULT MASTER 2 VAN. LIST OF THE TOOLS YOU'LL NEED:



- Wire brush
- Wire bore brush
- WD-40 spray
- All-purpose cleaning spray
- Ceramic grease
- Brake caliper guide pin grease
- Torque wrench
- 10 mm combination spanner
- 11 mm combination spanner
- 13 mm socket
- 17 mm socket
- 10 mm flare nut socket
- 11 mm flare nut socket
- 10 mm flare nut wrench
- 11 mm flare nut wrench
- 24 mm wheel impact socket
- Ratchet wrench or power tool for removal/installation of threaded fasteners
- Tommy bar
- Brake hose clamp
- Fluid line stopper (2 pieces)
- Brake bleeder kit
- Adjustable pliers
- Mounting lever
- Slotted screwdriver
- Hammer
- Bush and bearing driver set
- Hydraulic press
- Vise clamp
- Fluid drain pan
- Car lift or jack with jack stands, and wheel chocks

BUY TOOLS

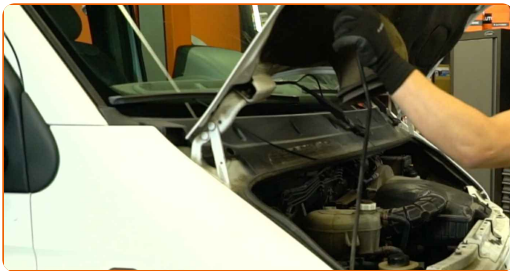
Replacement: brake hose – Renault Master 2 van. Professionals recommend:

- All the work should be carried out with the ignition switched off.

CARRY OUT THE REPLACEMENT STEPS AS FOLLOWS:

1

Open the bonnet.



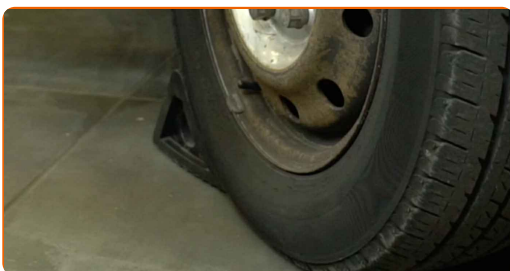
2

Loosen the brake fluid reservoir cap.



3

If you are going to use a jack, secure the wheels with chocks.



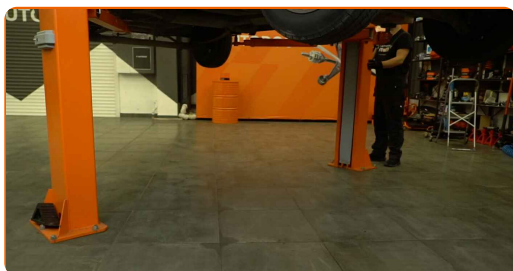
4

Loosen the wheel fasteners. Use a 24 mm wheel impact socket. Use a tommy bar.



5

Raise the car.



Replacement: brake hose – Renault Master 2 van. AUTODOC recommends:

- If you are using a jack, make sure the car is parked on a hard, flat surface.
- Make sure to additionally secure the car with jack stands.

6

Unscrew the wheel fasteners.



Caution!

- To avoid injury, hold up the wheel when unscrewing the fasteners.

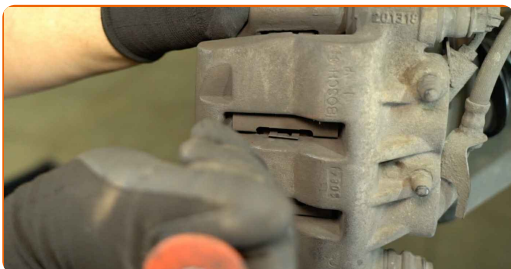
7

Remove the wheel.



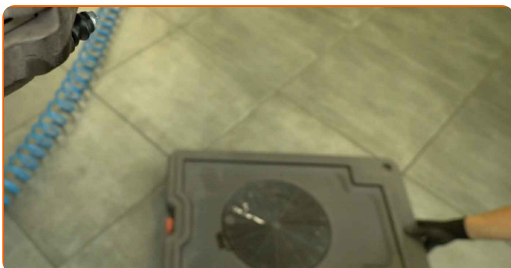
8

Spread the brake pads apart. Use a mounting lever.



9

Prepare a fluid drain pan.

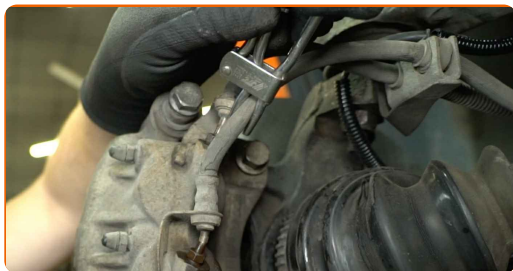


10

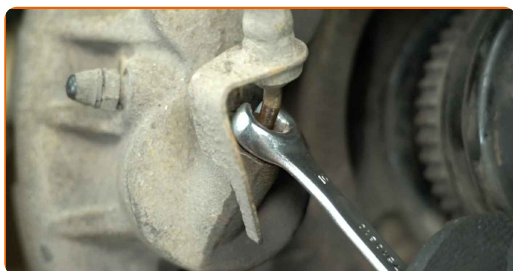
Clean the areas where the brake hoses are connected to the brake caliper. Use a wire brush. Use WD-40 spray.



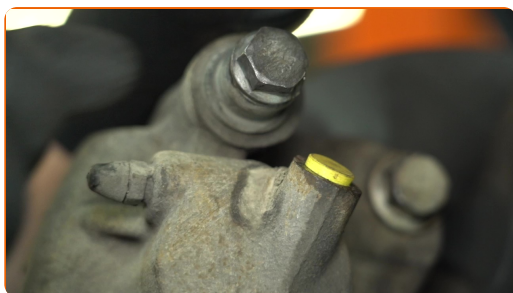
- 11 Pinch one of the brake hoses with a brake hose clamp.



- 12 Unscrew the nut fitting that connects the brake hose to the brake caliper. Use a 10 mm flare nut wrench.

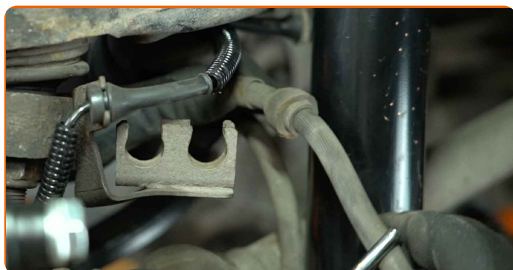


- 13 Close the opening in the caliper with a plug.

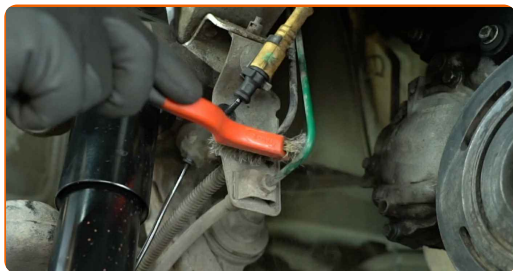


- 14 Repeat the same steps to disconnect the other brake hose.

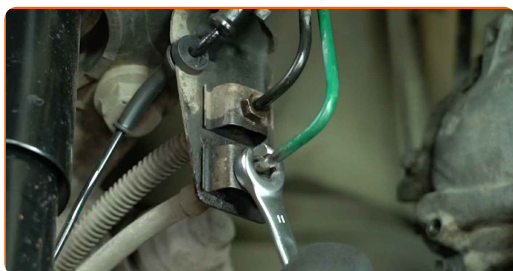
- 15 Remove the brake hoses from the holding bracket.



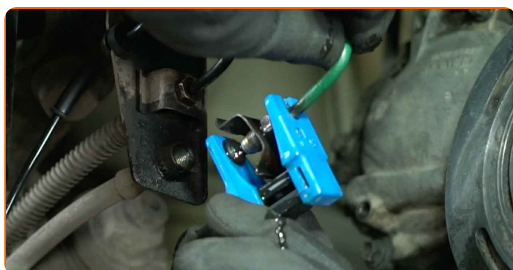
- 16** Clean the area where the brake hoses are connected to the brake pipes. Use a wire brush. Use WD-40 spray.



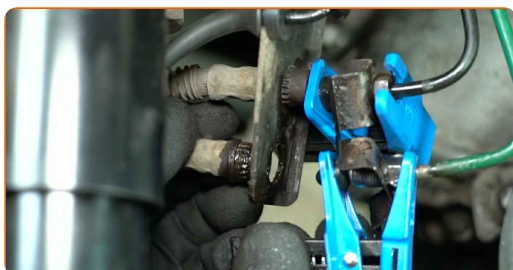
- 17** Disconnect the brake pipes from the brake hoses. Use an 11 mm flare nut wrench.



- 18** Block off the brake pipes. Use fluid line stoppers.



- 19** Remove the brake hoses.



- 20 Clean the brake hose mounting seats on the brake pipe bracket and the caliper. Use an all-purpose cleaning spray.

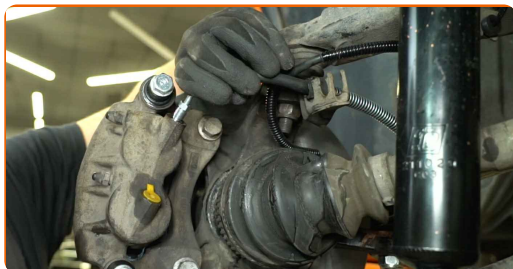


- 21 Install new brake hoses.

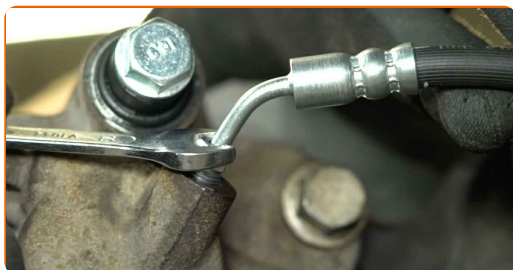
- 22 Secure one of the brake hoses in the holding bracket.



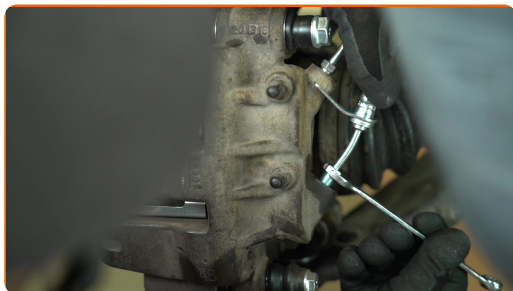
- 23 Remove the plug from the corresponding hole in the brake caliper.



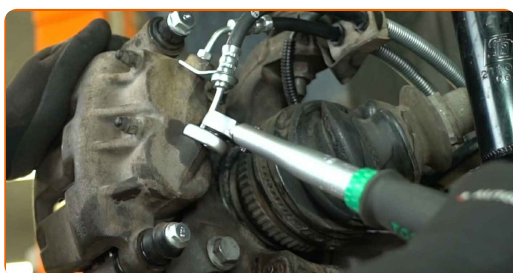
- 24 Screw in the nut fitting connecting the brake hose to the brake caliper. Use a 10 mm flare nut wrench.



25 Repeat the same steps to connect the other brake hose.



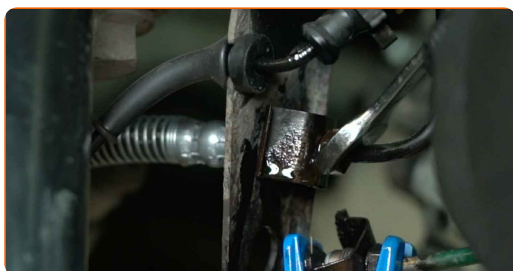
26 Tighten the nut fittings that connect the brake hoses to the brake caliper. Use a 10 mm combination spanner. Use a torque wrench. Use a 10 mm flare nut socket. Tightening torque: 17 N·m.



27 Insert one hose into the brake pipe bracket and remove the fluid line stopper on the corresponding pipe.



28 Screw in the nut fitting that connects the hose to the brake pipe. Use an 11 mm flare nut wrench.



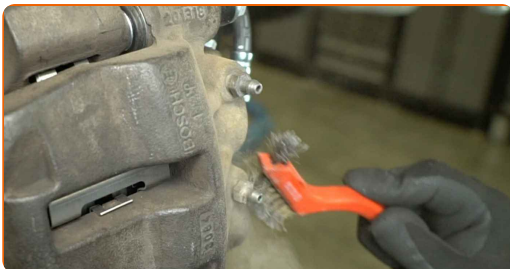
- 29** Tighten the nut fitting that connects the hose to the brake pipe. Complete the same steps for the other brake hose. Use a torque wrench. Use an 11 mm flare nut socket. Tightening torque: 17 N·m.



- 30** Remove the caps of the brake bleeder screws. Use a mounting lever.



- 31** Clean the brake bleeder screws. Use a wire brush. Use an all-purpose cleaning spray.

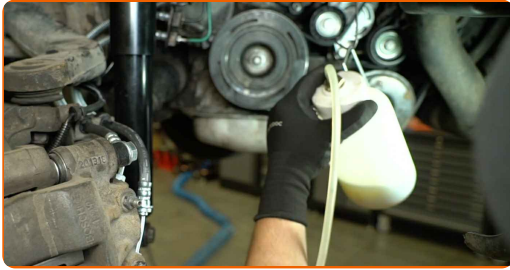


Replacement: brake hose – Renault Master 2 van. AUTODOC experts recommend:

- The bleeding procedure should be performed with both the upper and lower bleeding screws, as the front caliper of the Renault Master 2 van has a separated two-piston design.

32

Connect the brake bleeder kit to one of the bleeder screws.



33

Loosen the brake bleeder screw. Use an 11 mm combination spanner.



34

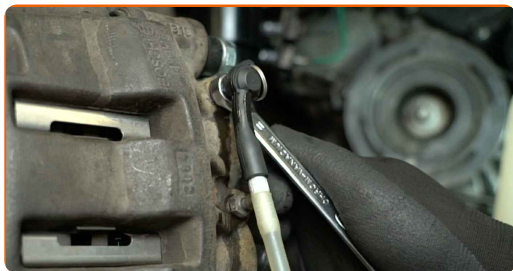
Press the brake pedal several times to remove any air from the system.



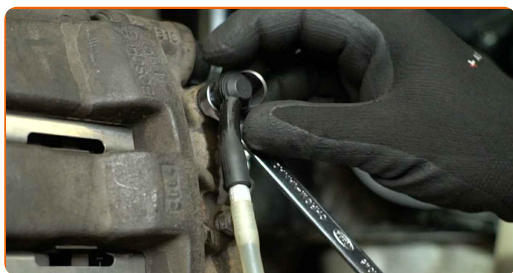
Important!

- The bleeding procedure should be performed with both the upper and lower bleeding screws, as the front caliper of the Renault Master 2 van has a separate, two-piston design.
- Monitor the brake fluid level while bleeding: it should not fall below the Min mark on the brake fluid reservoir. Top up with fresh brake fluid if necessary.

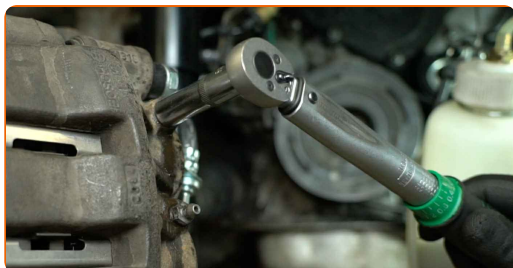
35 Screw in the brake bleeder screw. Use an 11 mm combination spanner.



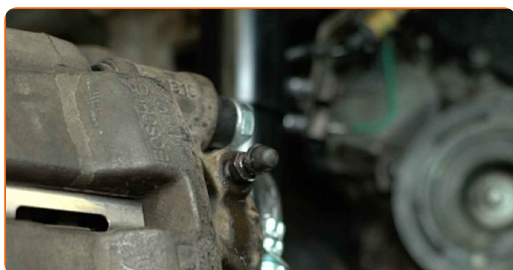
36 Disconnect the brake bleeder kit.



37 Tighten the brake bleeder screw. Use an 11 mm socket. Use a torque wrench. Tightening torque: 9 N·m.



38 Reattach the brake bleeder screw cap.



39 Repeat the same steps for the other bleeder screw.



40

Clean the wheel rim mounting seat. Use a wire brush. Use an all-purpose cleaning spray.



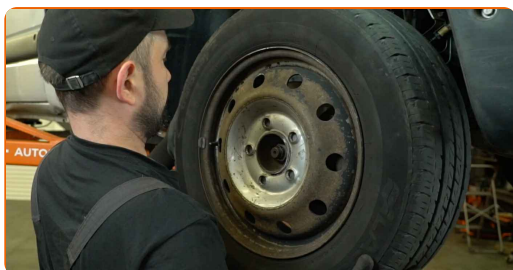
41

Treat the brake disc surface that contacts the wheel rim. Use ceramic grease.



42

Install the wheel.



Replacement: brake hose – Renault Master 2 van. Tip:

- To avoid injury, hold up the wheel when screwing in the fasteners.

43

Screw in the wheel fasteners. Use a 24 mm wheel impact socket. Use a ratchet wrench.



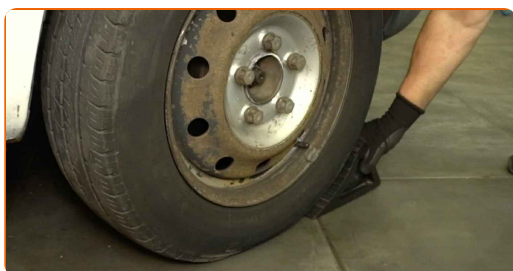
44

Lower the car and tighten the wheel fasteners in a criss-cross pattern. Use a 24 mm wheel impact socket. Use a torque wrench. Tightening torque: 172 N·m.



45

Remove the jack, jack stands, and wheel chocks.



46

Check the brake fluid level in the reservoir and top up if necessary.



47

Tighten the brake fluid reservoir cap.

**48**

Close the bonnet.

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