



How to change front
brake caliper repair kit 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!

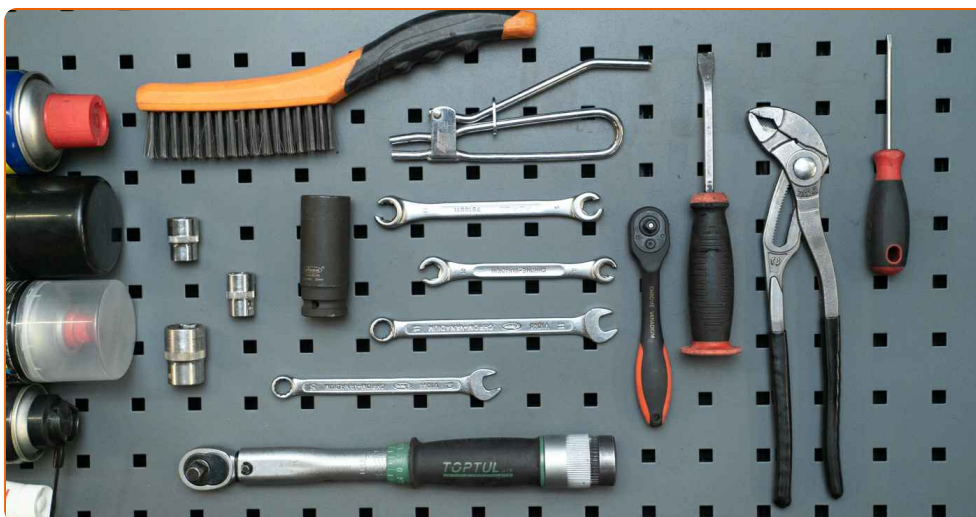
This replacement procedure can be used for:

RENAULT MASTER II Bus (JD) 2.5 D, RENAULT MASTER II Bus (JD) 2.8 dTi, RENAULT MASTER II Bus (JD) 2.2 dCi, RENAULT MASTER II Bus (JD) 1.9 dTi, 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: BRAKE CALIPER REPAIR KIT – RENAULT MASTER II MINIBUS. TOOLS YOU MIGHT 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 caliper repair kit – RENAULT Master II Minibus. AUTODOC recommends:

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

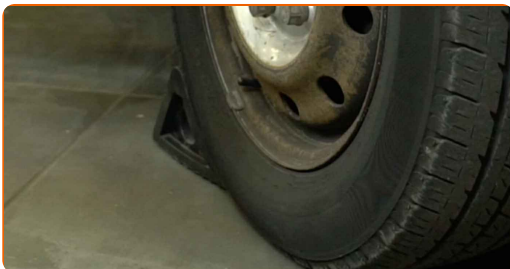
REPLACEMENT: BRAKE CALIPER REPAIR KIT – RENAULT MASTER II MINIBUS. TAKE THE FOLLOWING STEPS:

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.



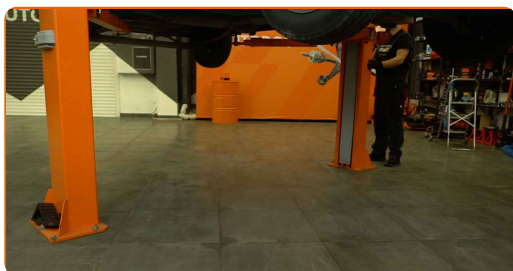
4

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



5

Raise the car.

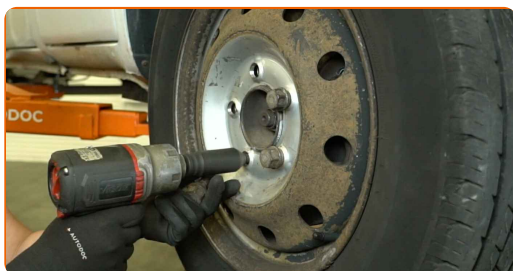


Warning!

- 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.



Replacement: brake caliper repair kit – RENAULT Master II Minibus. Tip:

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

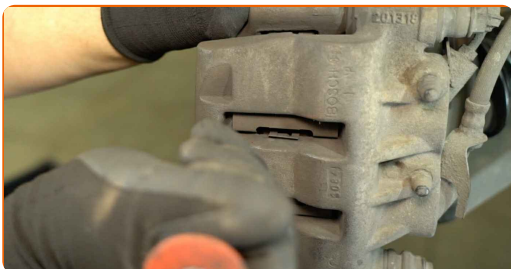
7

Remove the wheel.



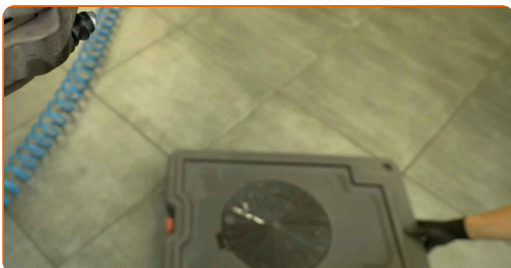
8

Spread the brake pads apart. Use a mounting lever.



9

Prepare a fluid drain pan.

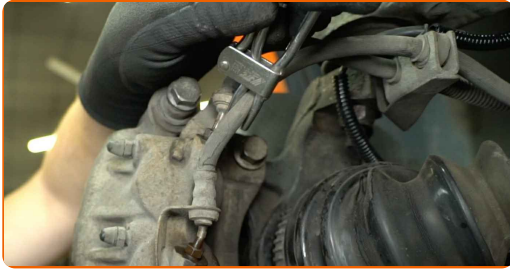


10

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.

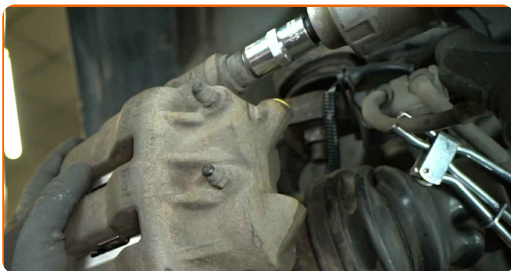


- 14 Repeat the same steps to disconnect the other brake hose.

- 15 Unscrew the lower brake caliper fastener. Use a 13 mm socket. Use a ratchet wrench.



- 16** Unscrew the upper brake caliper fastener. Use a 17 mm socket. Use a ratchet wrench.



- 17** Remove the fastening bolts.



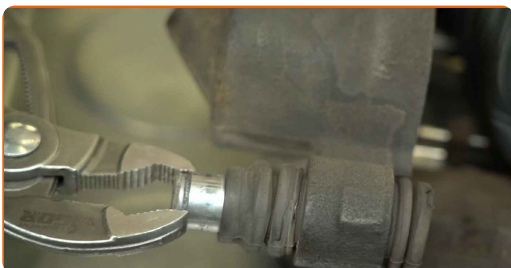
- 18** Remove the brake caliper.



- 19** Remove the brake pads.



- 20** Remove the lower guide pin of the brake caliper. Use adjustable pliers.



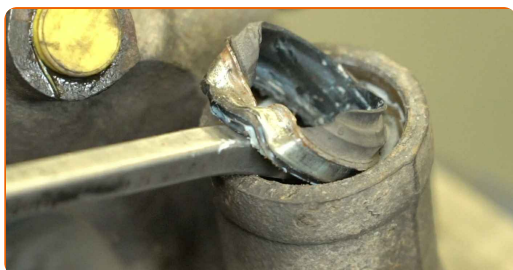
- 21 Remove the boot of the lower guide pin.



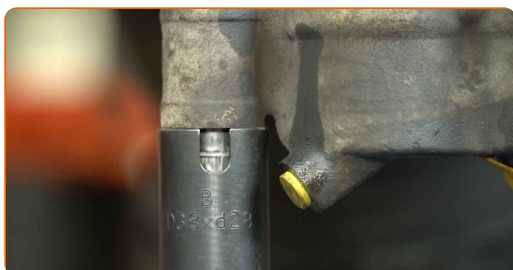
- 22 Remove the upper guide pin of the brake caliper. Use a slotted screwdriver.



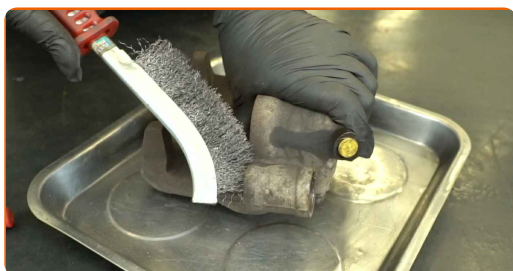
- 23 Remove the boots of the upper guide pin. Use a mounting lever. Use a hammer. Use a vise clamp.



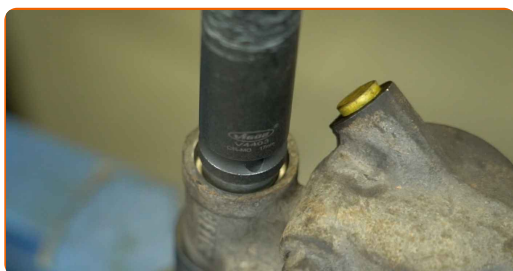
- 24 Press out the bushings of the upper guide pin. Use a bush and bearing driver set and a hydraulic press.



- 25** Clean the guide pin mounting seats on the brake caliper. Use a wire brush. Use a wire bore brush. Use an all-purpose cleaning spray.



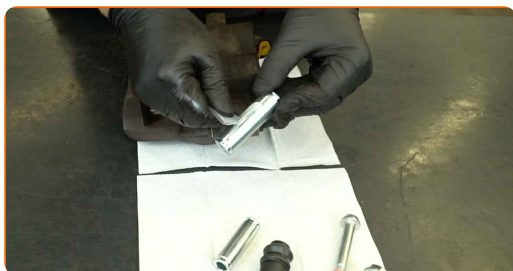
- 26** Press in the new bushings of the upper guide pin. Use a bush and bearing driver set and a hydraulic press.



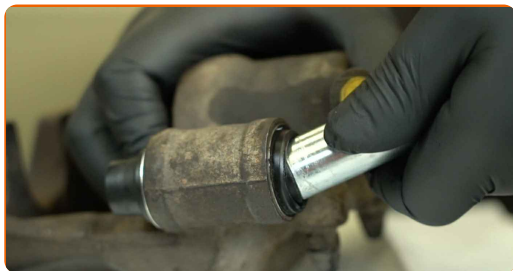
- 27** Install the new boots of the upper guide pin. Use a bush and bearing driver set and a hydraulic press.



- 28** Treat the new upper guide pin. Use brake caliper guide pin grease.



- 29** Install the new upper guide pin. Use a slotted screwdriver.



- 30** Install a new boot for the lower guide pin.



- 31** Treat the new lower guide pin. Use brake caliper guide pin grease.



- 32** Install the new lower guide pin. Use a slotted screwdriver.



33

Clean the brake caliper bracket. Use a wire brush. Use an all-purpose cleaning spray.



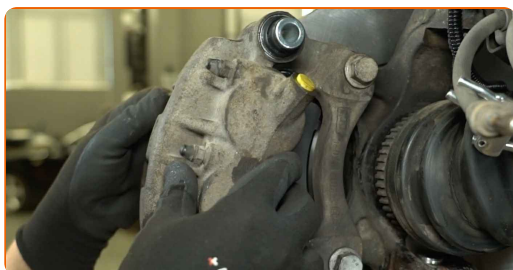
34

Install the brake pads.



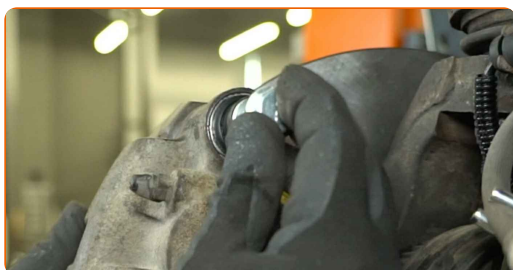
35

Install the brake caliper.



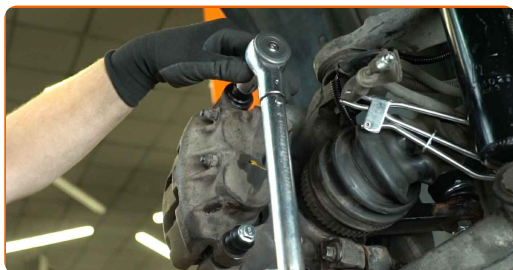
36

Install the fastening bolts.

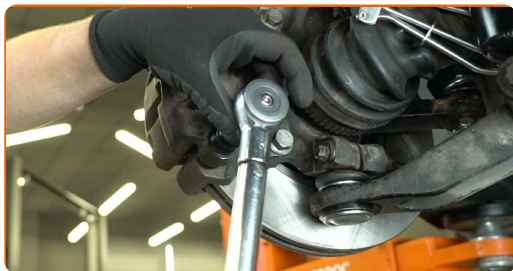


37

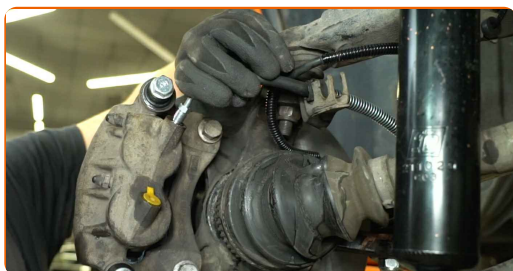
Tighten the upper brake caliper fastener. Use a 17 mm socket. Use a torque wrench. Tightening torque: 80 N·m.



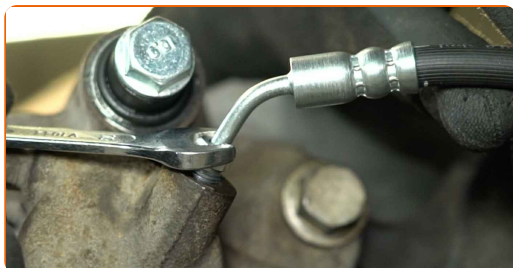
38 Tighten the lower brake caliper fastener. Use a 13 mm socket. Use a torque wrench. Tightening torque: 30 N·m.



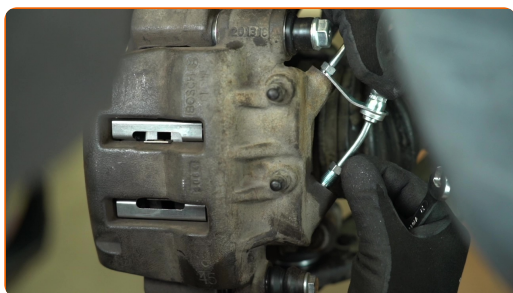
39 Remove the plug from the corresponding hole in the brake caliper.



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



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



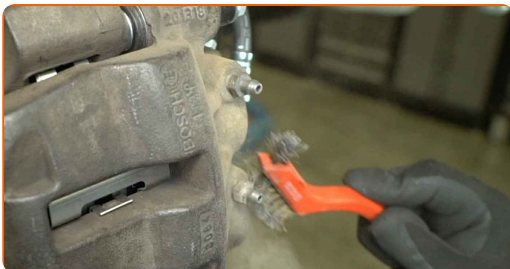
- 42 Tighten the nut fittings that connect the brake hoses to the brake caliper. Use a 10 mm combination spanner. Use a torque wrench. Use a 10 mm flare nut socket. Tightening torque: 17 N·m.



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



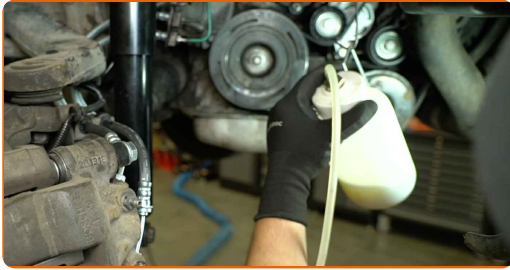
- 44 Clean the brake bleeder screws. Use a wire brush. Use an all-purpose cleaning spray.



Replacement: brake caliper repair kit – RENAULT Master II Minibus. 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 II Minibus has a separated two-piston design.

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



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



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

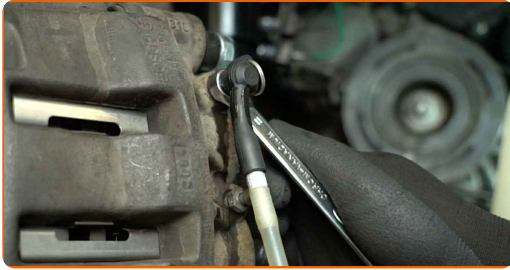


Important!

- The bleeding procedure should be performed with both the upper and lower bleeding screws, as the front caliper of the RENAULT Master II Minibus 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.

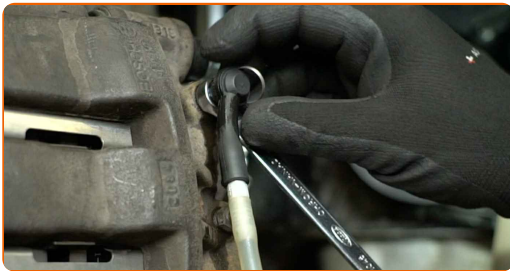
48

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



49

Disconnect the brake bleeder kit.



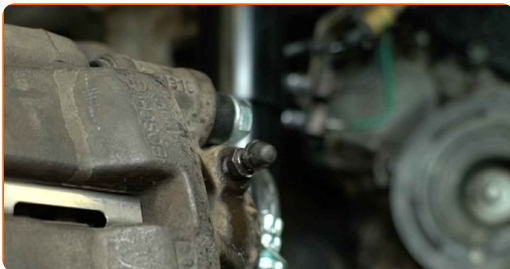
50

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



51

Reattach the brake bleeder screw cap.



52 Repeat the same steps for the other bleeder screw.



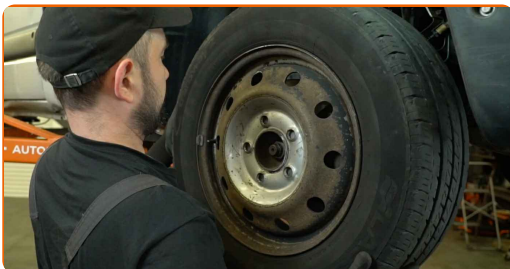
53 Clean the wheel rim mounting seat. Use a wire brush. Use an all-purpose cleaning spray.



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



55 Install the wheel.



Replacement: brake caliper repair kit – RENAULT Master II Minibus. Tip from AUTODOC:

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

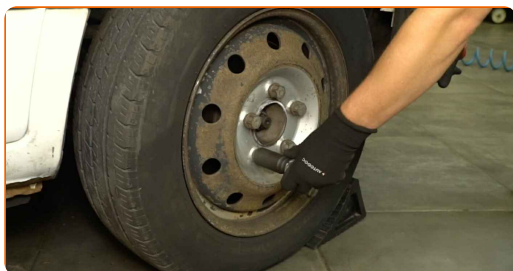
56

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



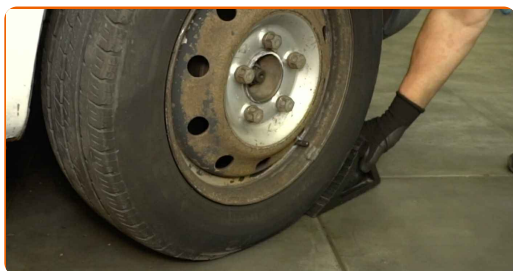
57

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.



58

Remove the jack, jack stands, and wheel chocks.



59

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

**60**

Tighten the brake fluid reservoir cap.

**61**

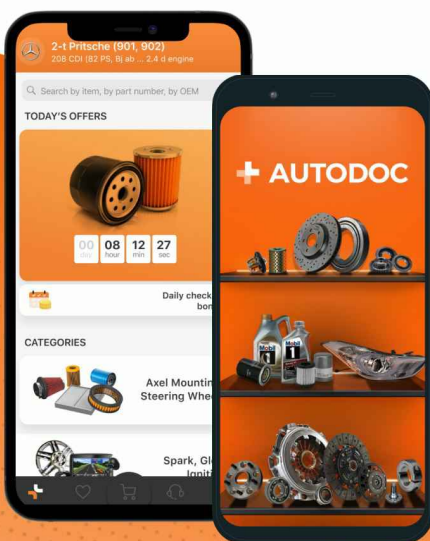
Close the bonnet.

WELL DONE! 

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BRAKE CALIPER REPAIR KIT: A WIDE SELECTION

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