



How to change rear
brake caliper on **Renault**
Master 2 van –
replacement guide

VIDEO TUTORIAL



ⓘ 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 90, RENAULT MASTER II Box (FD) 2.2 dCi 90, RENAULT MASTER II Platform/Chassis (ED/HD/UD) 2.2 dCi 90, RENAULT MASTER II Bus (JD) 1.9 dTI, RENAULT MASTER II Box (FD) 1.9 dTI, RENAULT MASTER II Bus (JD) 2.5 dCi 120, RENAULT MASTER II Box (FD) 2.5 dCi 120, RENAULT MASTER II Platform/Chassis (ED/HD/UD) 2.5 dCi 120, RENAULT MASTER II Bus (JD) 1.9 dCi 80, (+ 10)

The steps may slightly vary depending on the car design.

REPLACEMENT: BRAKE CALIPER – RENAULT MASTER 2 VAN. TOOLS YOU NEED:



- Wire brush
- Wire bore brush
- WD-40 spray
- All-purpose cleaning spray
- Ceramic grease
- Brake caliper guide pin grease
- Open-end torque wrench
- 11 mm combination spanner
- 14 mm combination spanner
- 19 mm combination spanner
- 13 mm socket
- 18 mm socket
- 19 mm socket
- 14 mm flare nut socket
- 24 mm wheel impact socket
- Ratchet screwdriver or power tool for removal/installation of threaded fasteners
- U-joint socket extension
- Tommy bar
- Brake hose clamp
- Brake bleeder kit
- Adjustable pliers
- Mounting lever
- Fluid drain pan
- Car lift or jack with jack stands, and wheel chocks

BUY TOOLS

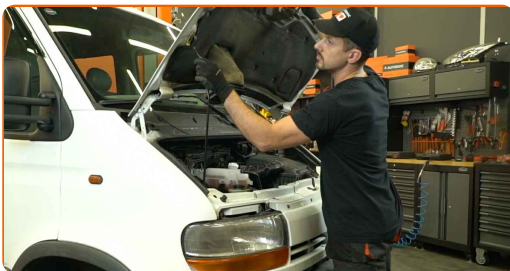
Replacement: brake caliper – Renault Master 2 van. Tip from AUTODOC experts:

- The procedure for replacing the right and left brake calipers on the same axle is identical.
- All the work should be carried out with the ignition switched off.

REPLACEMENT: BRAKE CALIPER – RENAULT MASTER 2 VAN. RECOMMENDED SEQUENCE OF STEPS:

1

Open the bonnet.



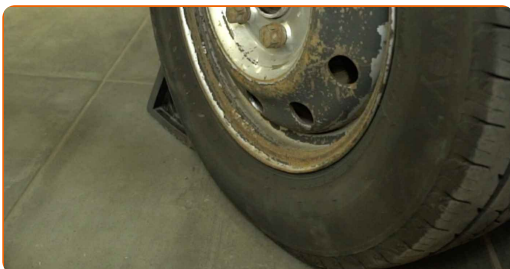
2

Loosen the brake fluid reservoir cap.



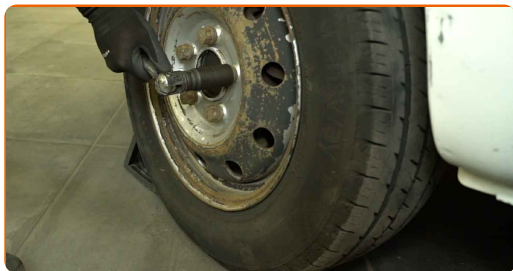
3

Secure the wheels with chocks.



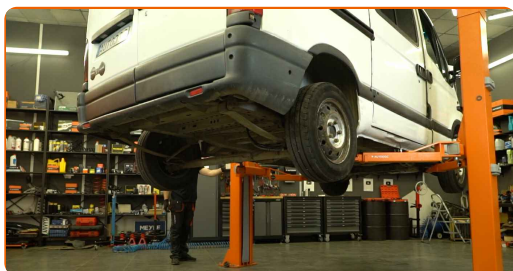
4

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



5

Raise the vehicle.

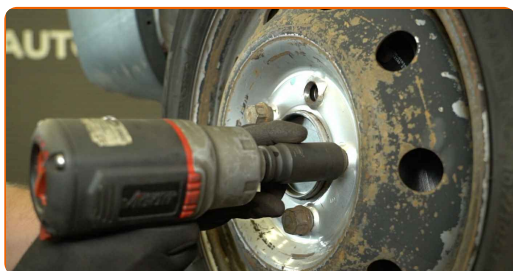


Replacement: brake caliper – Renault Master 2 van. Tip:

- 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.

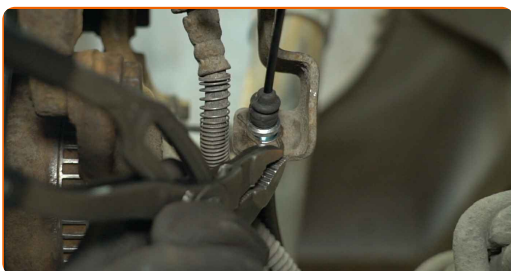
7

Remove the wheel.



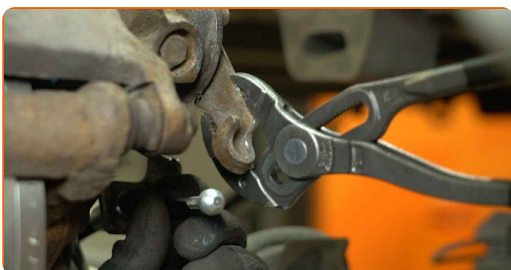
8

Remove the handbrake cable retaining clip. Use adjustable pliers.



9

Disconnect the handbrake cable from the parking brake lever on the caliper. Use adjustable pliers.



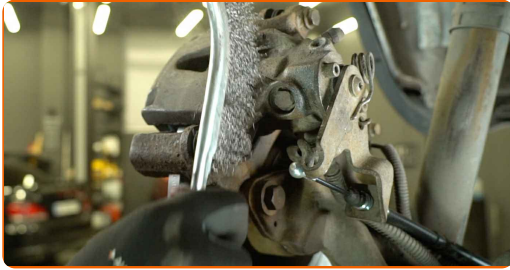
10

Spread the brake pads apart. Use a mounting lever.



11

Clean the brake caliper fasteners. Use a wire brush. Use WD-40 spray.



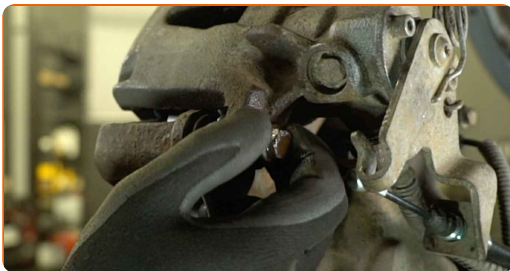
12

Unscrew the brake caliper fasteners. Use a 19 mm combination spanner. Use a 13 mm socket. Use a ratchet wrench.



13

Remove the fastening bolts.



14

Remove the brake caliper.



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

- Tie the caliper to the suspension or to the body with a wire without disconnecting it from the brake hose to avoid opening the brake line.
- Make sure that the brake caliper is not hanging from the brake hose.
- Do not press the brake pedal after the caliper has been removed. This may cause the piston to fall out of the caliper bore resulting in the brake fluid leakage and air entering the system.

15

Remove the brake pads.



16

Disconnect the handbrake cable from the bracket on the caliper.

17

Prepare a fluid drain pan.



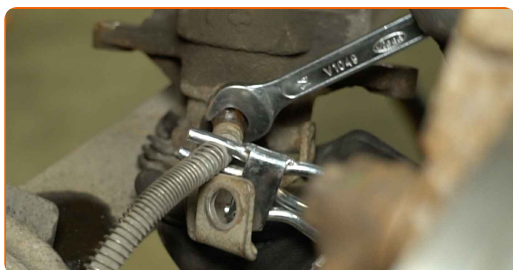
- 18 Attach the brake hose clamp to the brake hose.



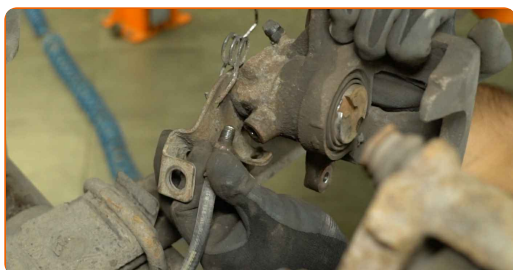
- 19 Clean the fastener that connects the brake hose to the brake caliper. Use a wire brush. Use WD-40 spray.



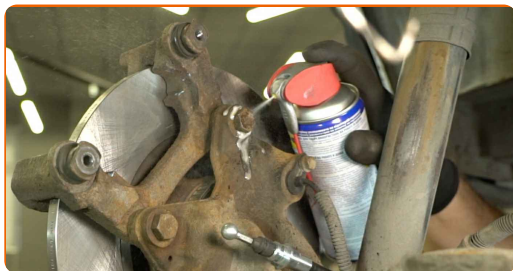
- 20 Loosen the fastener that connects the brake hose to the brake caliper. Use a 14 mm combination spanner.



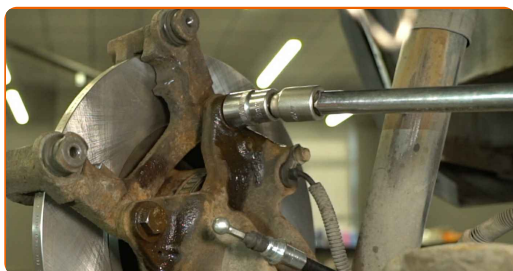
- 21 Unscrew the brake hose from the brake caliper.



- 22 Clean the brake caliper bracket fasteners. Use a wire brush. Use WD-40 spray.



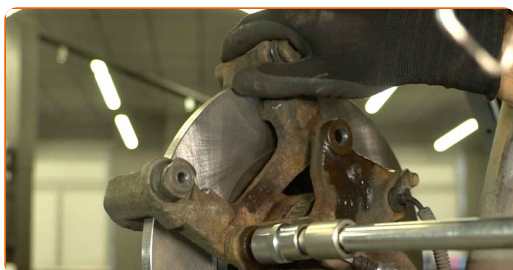
- 23 Unscrew the brake caliper bracket fasteners. Use an 18 mm socket. Use a ratchet wrench.



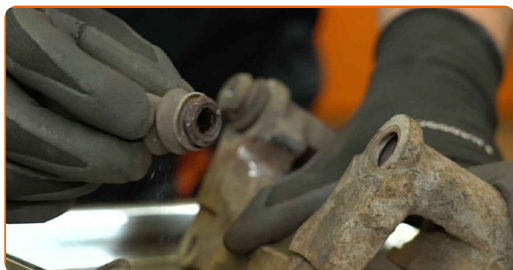
- 24 Remove the fastening bolts.



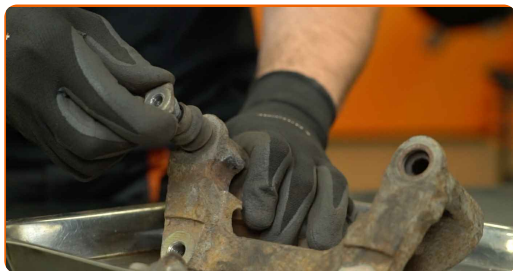
- 25 Remove the brake caliper bracket.



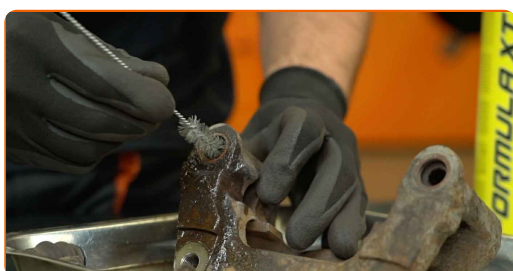
- 26 Remove the brake caliper guide pins.



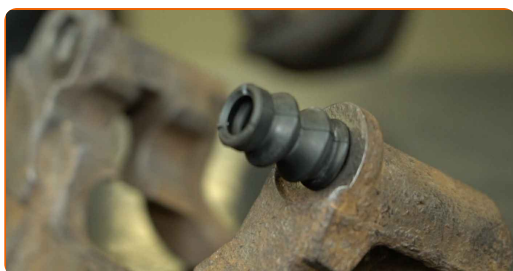
27 Remove the guide pin boots.



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



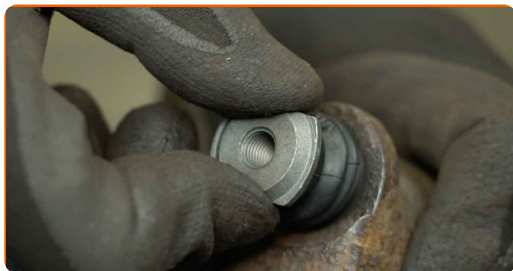
29 Install new brake caliper guide pin boots.



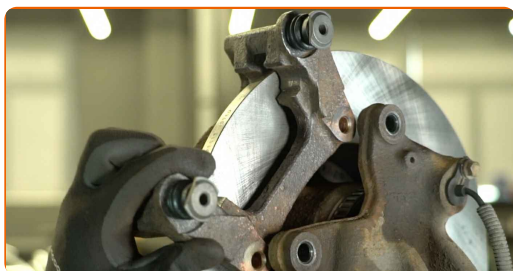
30 Treat the caliper guide pins. Use brake caliper guide pin grease.



- 31** Install the new guide pins into the caliper bracket.



- 32** Install the brake caliper bracket.



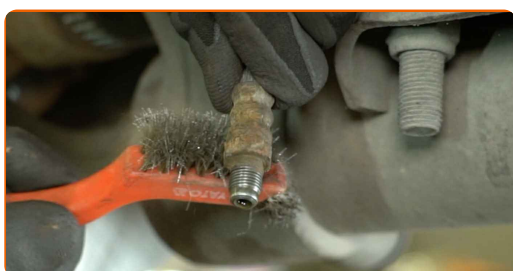
- 33** Install the fastening bolts.



- 34** Tighten the fasteners of the brake caliper bracket. Use a 19 mm socket. Use a torque wrench. Tightening torque: 110 N·m.

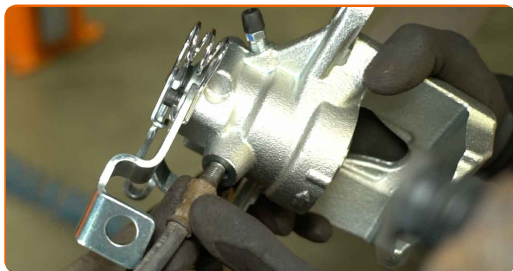


- 35** Clean the fitting on the brake hose that connects the hose to the brake caliper. Use a wire brush. Use an all-purpose cleaning spray.



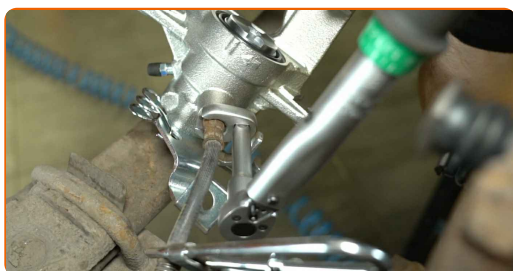
36

Screw the brake hose into the new brake caliper.



37

Securely tighten the brake hose connection to the brake caliper. Use a 14 mm flare nut socket. Use a torque wrench. Tightening torque: 18 N·m.



38

Install the brake pads.



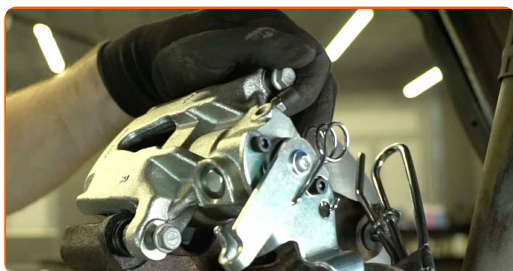
39

Install the new brake caliper.

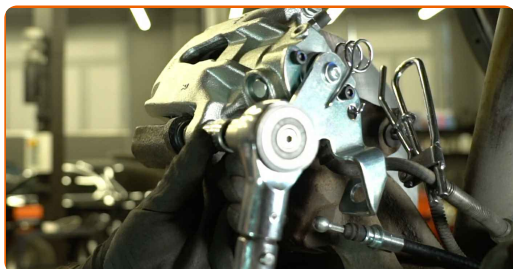


40

Install the fastening bolts.



- 41** Tighten the brake caliper fasteners. Use a 13 mm socket. Use a 19 mm combination spanner. Use a torque wrench. Tightening torque: 30 N·m.



- 42** Remove the brake hose clamp from the brake hose.

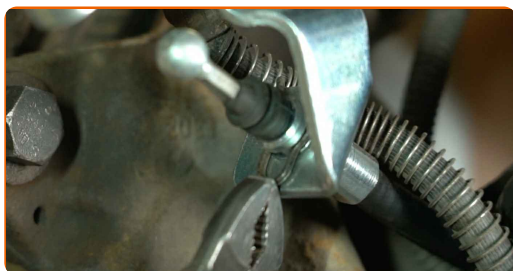


- 43** Connect the handbrake cable to the bracket on the brake caliper.

•

- 44** Secure the handbrake cable with the retaining clip.

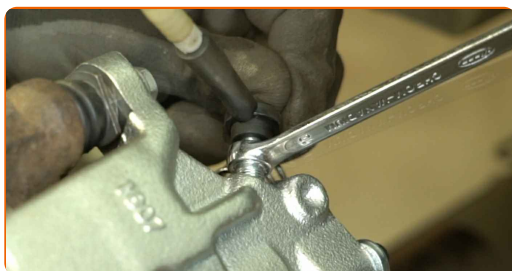
- 45** Connect the handbrake cable to the parking brake lever on the caliper. Use adjustable pliers.



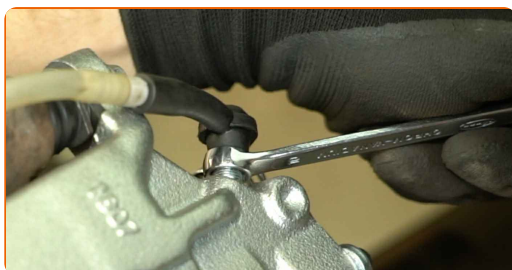
- 46** Remove the brake bleeder screw cap.



- 47** Connect the brake bleeder kit to the brake bleeder screw.



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



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



Important!

- 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.
- You can find detailed instructions on how to bleed the brake system in our other videos.

50

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



51

Disconnect the brake bleeder kit.

52

Reattach the brake bleeder screw cap.



53

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



54

Treat the wheel hub surface that contacts the wheel rim. Use ceramic grease.



55

Install the wheel.



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

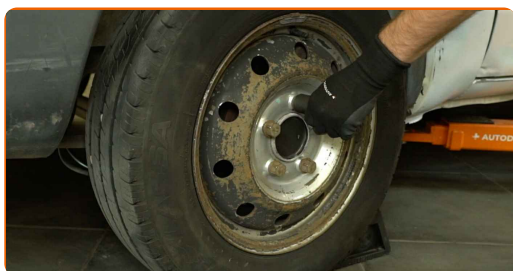
- To avoid injury, hold up the wheel when screwing in the fasteners.

56

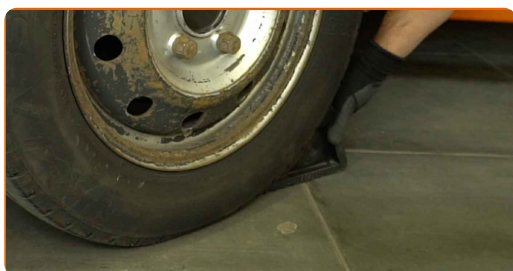
Screw in the wheel fasteners. Use a 24 mm wheel impact socket. Use a ratchet wrench.



- 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.

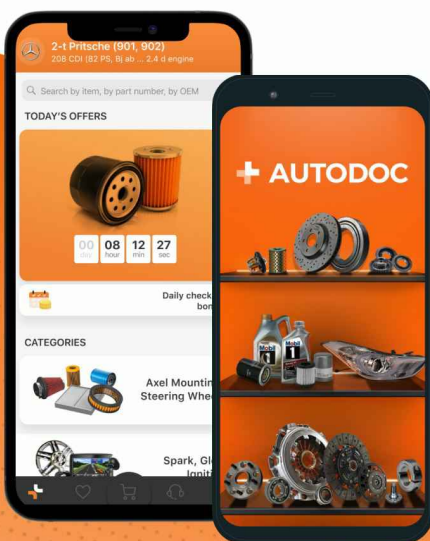


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