



How to change front
brake caliper on **OPEL**
Adam (M13) –
replacement guide

SIMILAR VIDEO TUTORIAL



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

Important!

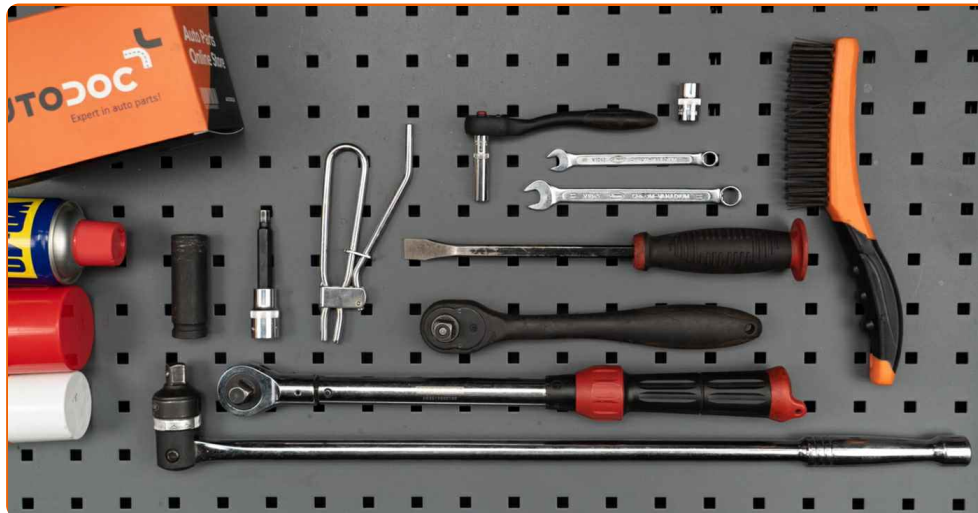
This replacement procedure can be used for:

OPEL Adam (M13) 1.4 S

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: OPEL Zafira B (A05) 1.8 (M75)

REPLACEMENT: BRAKE CALIPER – OPEL ADAM (M13).
 TOOLS YOU NEED:



- Wire brush
- Brake cleaner
- Copper grease
- Combination spanner #8
- Combination spanner #11
- Drive socket # 8
- Drive socket # 11
- HEX bit no.H7.
- Wheel impact socket #17
- Ratchet wrench
- Torque wrench
- Fluid container
- Brake bleeder kit
- Brake hose clip
- Crow bar
- Wheel chock

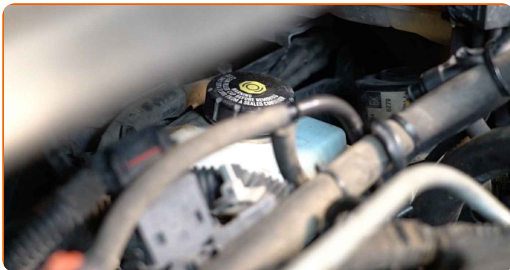
Buy tools

Replacement: brake caliper – OPEL Adam (M13). Tip from AUTODOC experts:

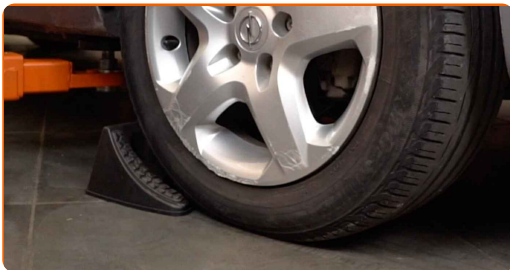
- The replacement procedure is identical for the left and right brake calipers on the same axle.
- All work should be done with the engine stopped.

REPLACEMENT: BRAKE CALIPER – OPEL ADAM (M13). RECOMMENDED SEQUENCE OF STEPS:

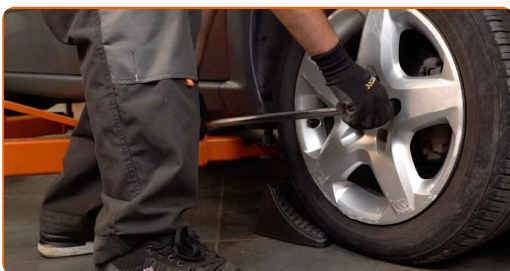
1 Open the bonnet. Unscrew the brake fluid reservoir cap.



2 Secure the wheels with chocks.



3 Loosen the wheel mounting bolts. Use wheel impact socket #17.



4 Raise the front of the car and secure on supports.

5 Unscrew the wheel bolts.



AUTODOC recommends:

- Important! Hold the wheel while unscrewing the fastening bolts. OPEL Adam (M13)

6 Remove the wheel.



7 Put a container for gathering brake fluid beneath.



- 8 Clean the area where the brake hose is connected to the caliper, and the guide pins area. Use a wire brush. Use a brake cleaner.



Replacement: brake caliper – OPEL Adam (M13). AUTODOC recommends:

- After applying the spray, wait a few minutes.

- 9 Clamp the brake hose off using a brake hose clamp.



- 10 Unscrew the brake hose from the brake caliper. Use a drive socket #11. Use a ratchet wrench.



11 Remove the dust boot caps of the brake caliper guide pins. Use a crowbar.



12 Unscrew the brake caliper fastening. Use HEX No.H7. Use a ratchet wrench.



13 Spread the brake pads. Use a crowbar.



14 Pull aside the brake caliper retaining spring. Use a crowbar.



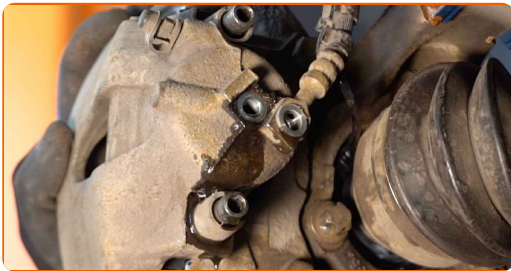
15

Unscrew the brake hose from the brake caliper. Use a drive socket #11.



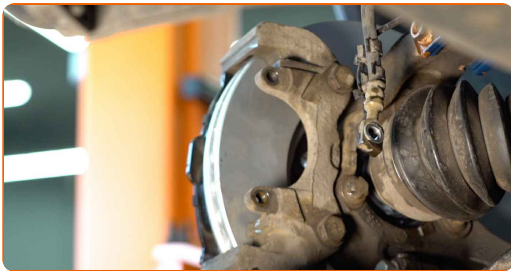
16

Disconnect the brake hose.



17

Remove the brake caliper.



Replacement: brake caliper – OPEL Adam (M13). AUTODOC experts recommend:

- When replacing the brake caliper, it is recommended to check the brake hose for damages and, if necessary, to replace it with a new one.
- When replacing a brake caliper it is recommended to replace brake pads, check the state of the brake discs and replace them with new ones if necessary.

18 Remove the brake pads.



19 Treat the brake hose. Use a brake cleaner.



AUTODOC recommends:

- Replacement: brake caliper – OPEL Adam (M13). After applying the spray, wait a few minutes.

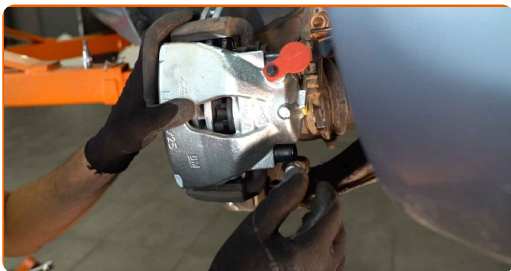
20 Install the brake pads.



Replacement: brake caliper – OPEL Adam (M13). Professionals recommend:

- If going to use the old brake pads, clean them.

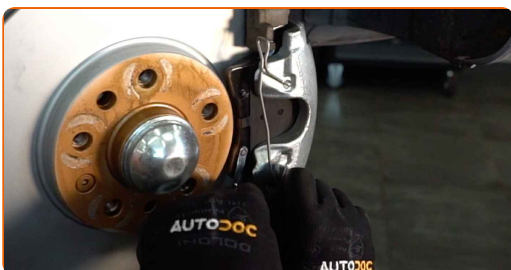
21 Install the brake caliper and fix it. Use HEX No.H7. Use a ratchet wrench.



22 Install and fix the brake hose into a new caliper. Use a drive socket #11. Use a ratchet wrench.



23 Snap the brake caliper retaining spring back into place. Use a crowbar.



24 Tighten the brake hose fastener. Use a combination spanner #11. Use a torque wrench. Tighten it to 40 Nm torque.



25 Treat the brake hose. Use a brake cleaner.

Replacement: brake caliper – OPEL Adam (M13). Tip from AUTODOC:

- After applying the spray, wait a few minutes.

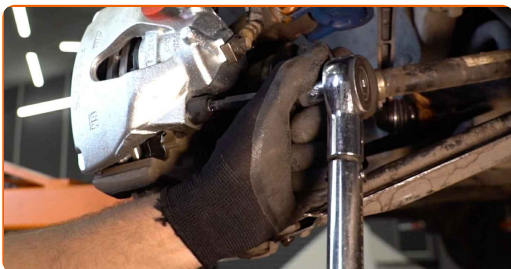
26

Remove the brake hose clamp.



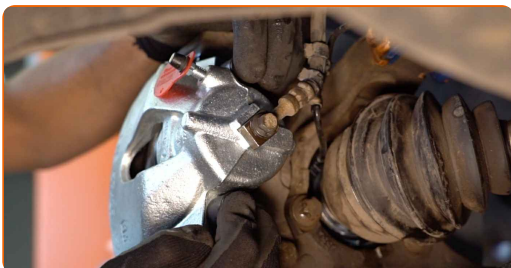
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Tighten the brake caliper fasteners. Use HEX No.H7. Use a torque wrench. Tighten it to 28 Nm torque.



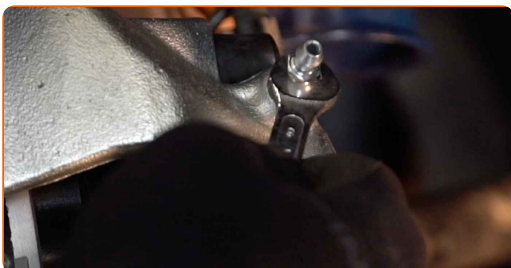
28

Install the dust boot caps of the brake caliper guide pins.

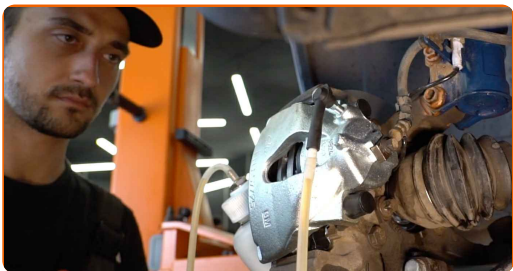


29

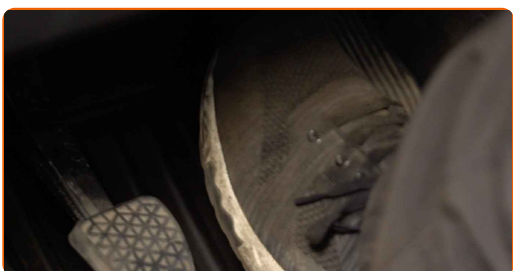
Undo the brake bleeder screw. Use a combination spanner #8.



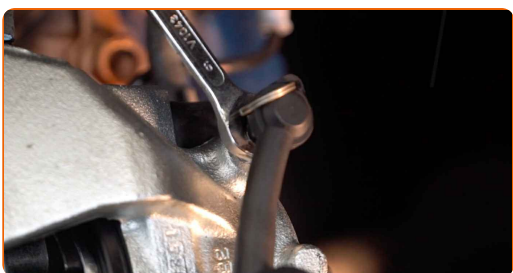
30 Connect the brake bleeder kit to the brake bleeder screw.



31 Bleed the brake caliper system. Without starting the engine, press the brake pedal several times until you feel significant resistance.



32 Tighten the brake bleeder screw. Use a combination spanner #8.



33 Disconnect the brake bleeder kit.



34 Tighten the brake caliper bleed screw. Use a drive socket #8. Use a torque wrench. Tighten it to 11 Nm torque.



35 Clean dirt from the brake hose bolt. Use a brake cleaner.



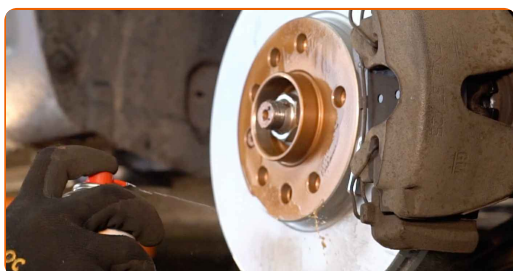
AUTODOC recommends:

- Replacement: brake caliper – OPEL Adam (M13). After applying the spray, wait a few minutes.

36 Treat the surface where the brake disc contacts the wheel rim. Use copper grease.



37 Clean the brake disk surface. Use a brake cleaner.



Replacement: brake caliper – OPEL Adam (M13). Tip:

- After applying the spray, wait a few minutes.

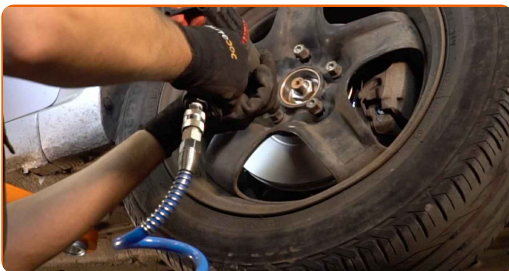
38 Install the wheel.



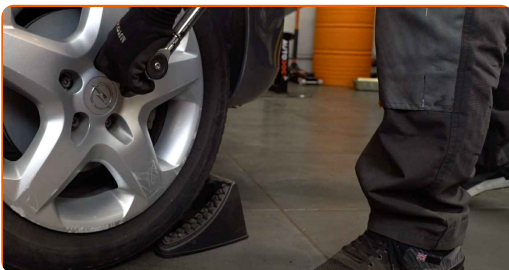
Replacement: brake caliper – OPEL Adam (M13). AUTODOC recommends:

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

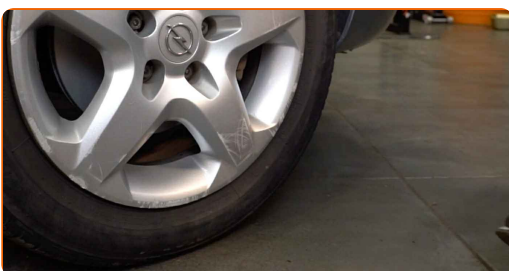
39 Screw in the wheel bolts. Use wheel impact socket #17.



40 Lower the car and working in a cross order, tighten the wheel bolts. Use a torque wrench. Tighten it to 110 Nm torque.



41 Remove the jacks and chocks.



AUTODOC recommends:

- Important! Replacement: brake caliper – OPEL Adam (M13). Check the brake fluid level in the reservoir and top up if necessary.

42

Tighten the brake fluid reservoir cap. Close the hood.

WELL DONE! 

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BRAKE CALIPER: A WIDE SELECTION

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