



How to change front  
brake caliper repair kit on  
**MERCEDES-BENZ**  
**Pagode Convertible**  
**(W113)** – 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:

MERCEDES-BENZ Pagode Convertible (W113) 250 SL (113.043), MERCEDES-BENZ Pagode Convertible (W113) 280 SL (113.044)

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: MERCEDES-BENZ E-Class Saloon (W124) E 250 D (124.126, 124.129)

**REPLACEMENT: BRAKE CALIPER REPAIR KIT –  
MERCEDES-BENZ PAGODE CONVERTIBLE (W113).  
TOOLS YOU'LL NEED:**



- Wire brush
- Nylon cleaning brush
- WD-40 spray
- All-purpose cleaning spray
- Dielectric grease
- Brake cleaner
- Ceramic grease
- Brake caliper guide pins grease
- Torque wrench
- Combination spanner #9
- Combination spanner #10
- Combination spanner #14
- Combination spanner #15
- Combination spanner #19
- Drive socket # 9
- Drive socket # 13
- Drive socket # 19
- Wheel impact socket #17
- Ratchet wrench
- Tap wrench
- Brake hose clip
- Brake bleeder kit
- Brake caliper wind back tool
- Crow bar
- Flat screwdriver
- Wheel chock

**Buy tools**

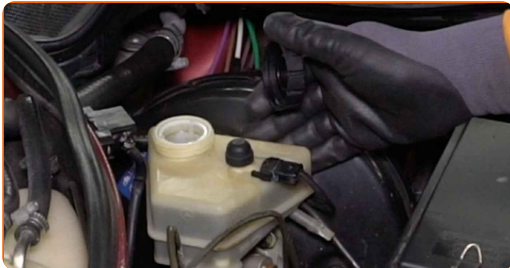
Replacement: brake caliper repair kit – MERCEDES-BENZ Pagode Convertible (W113). AUTODOC recommends:

- The replacement procedure is identical for the left and right brake calipers on the same axle.
- Please note: all work on the car – MERCEDES-BENZ Pagode Convertible (W113) – should be done with the engine switched off.

**CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:**

**1** Open the bonnet.

**2** Unscrew the brake fluid reservoir cap.



**3** Secure the wheels with chocks.

**4** Loosen the wheel bolts. Use wheel impact socket #17. Use a tap wrench.



**5** Raise the car.

**AUTODOC recommends:**

- If you are using a jack, make sure it rests on a flat surface without any unevenness.
- Be sure to additionally secure the car with jack stands.

**6**

Unscrew the wheel bolts.



**Replacement: brake caliper repair kit – MERCEDES-BENZ Pagode Convertible (W113). Tip:**

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

**7**

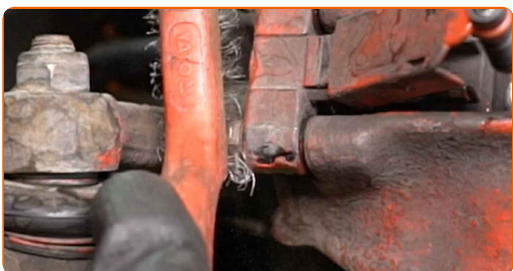
Remove the wheel.



**8** Detach the connector of the brake pad wear sensor.



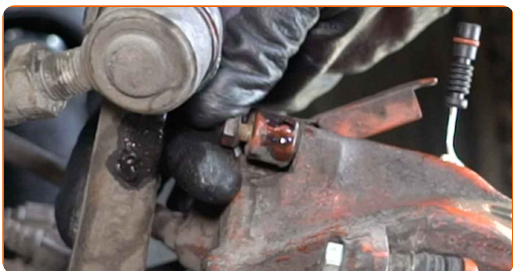
**9** Clean the fastener of the brake pad wear sensor connector. Use a wire brush. Use WD-40 spray.



**10** Unscrew the fastener of the brake pad wear sensor connector. Use a combination spanner #10.



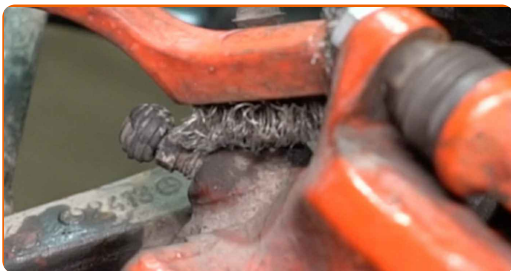
**11** Remove the fastening bolt.



**12** Detach the connector of the brake pad wear sensor.



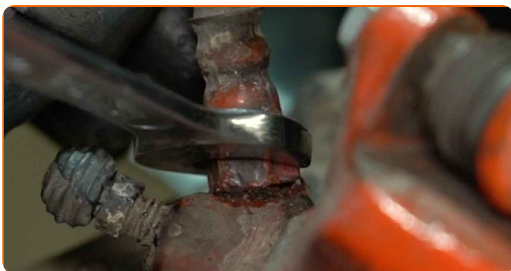
**13** Clean the mounting seat of the brake hose on the brake caliper. Use a wire brush. Use WD-40 spray.



**14** Clamp the brake hose off using a brake hose clamp.



**15** Loosen the brake hose fastener. Use a combination spanner #14.



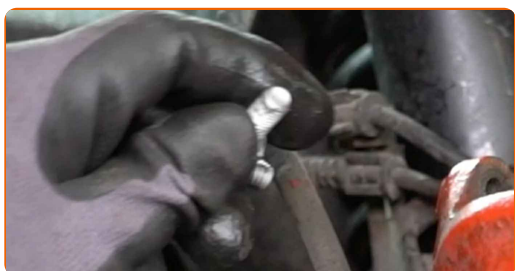
**16** Clean the brake caliper fasteners. Use a wire brush. Use WD-40 spray.



- 17 Unscrew the brake caliper fasteners. Use a combination spanner #15. Use a drive socket #13. Use a ratchet wrench.



- 18 Remove the fastening bolts.



- 19 Spread the brake pads. Use a crowbar.

- 20 Remove the brake caliper.



- 21 Unscrew the brake hose from the brake caliper.

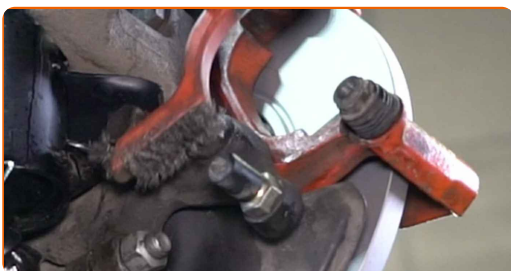




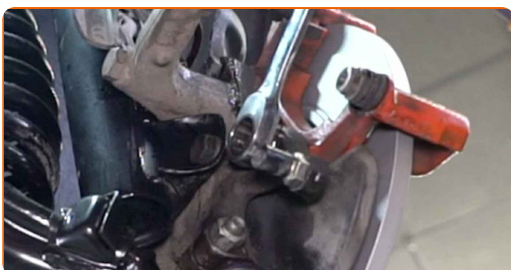
22 Remove the brake pads.



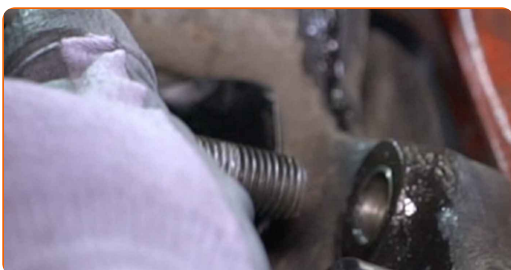
23 Clean the brake caliper bracket fasteners. Use a wire brush. Use WD-40 spray.



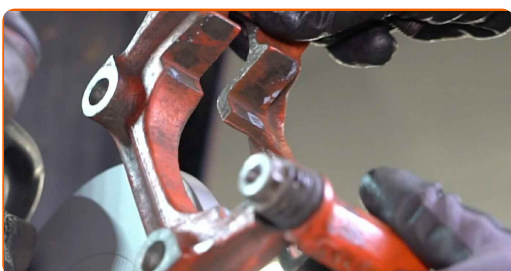
24 Unscrew the brake caliper bracket fasteners. Use a combination spanner #19.



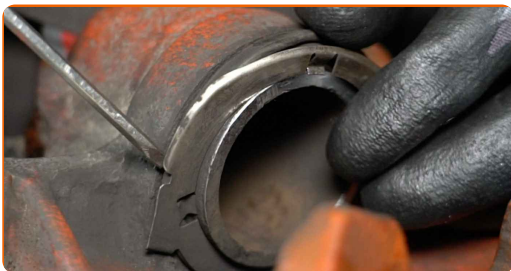
25 Remove the fastening bolts.



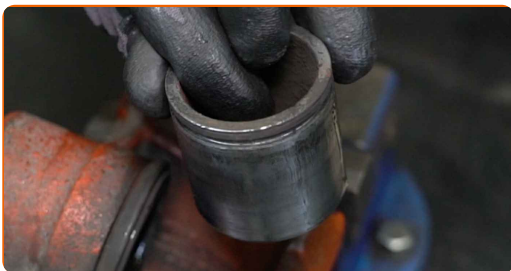
26 Remove the brake caliper bracket.



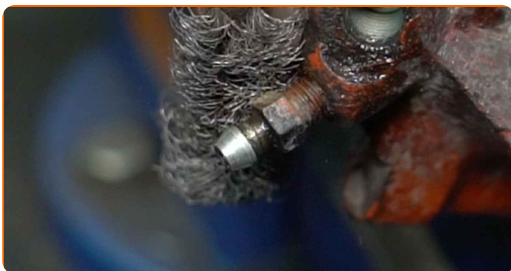
**27** Remove the protective plate covering the dust boot of the caliper piston. Use a flat screwdriver.



**28** Remove the piston from the brake caliper housing.



**29** Clean the brake bleeder screw. Use a wire brush. Use WD-40 spray.



**30** Undo the brake bleeder screw. Use a drive socket #9. Use a ratchet wrench.



**31** Remove the dust boot of the brake caliper piston.



**32** Remove the caliper piston O-ring. Use a flat screwdriver.



**33** Clean the mounting seats of the piston and related components. Use a wire brush. Use a nylon cleaning brush. Use all-purpose cleaning spray.

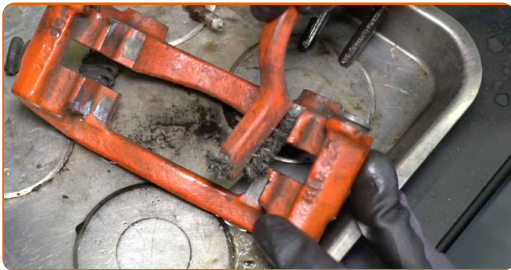


**34** Remove the brake caliper guide pins.



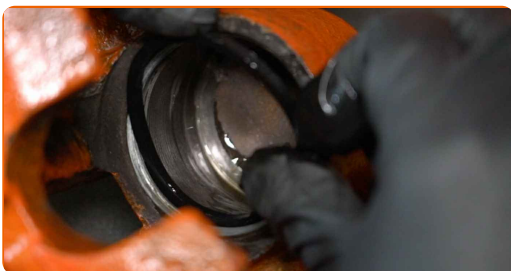
**35**

Clean the guide pins and their seats on the brake caliper bracket. Use a wire brush. Use a nylon cleaning brush. Use all-purpose cleaning spray.



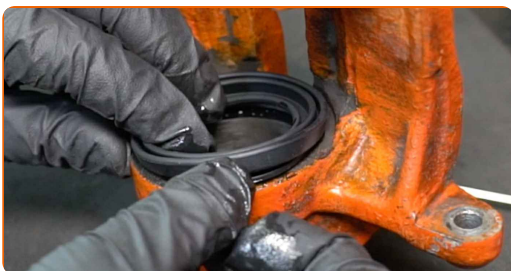
**36**

Install a new caliper piston O-ring.



**37**

Install a new caliper piston dust boot.



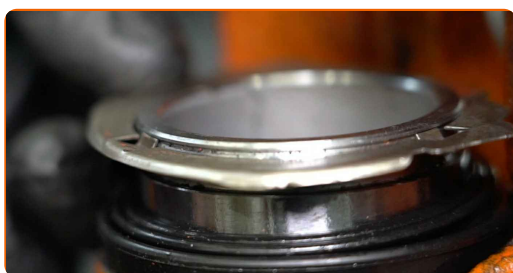
Replacement: brake caliper repair kit – MERCEDES-BENZ Pagode Convertible (W113). AUTODOC experts recommend:

- Treat the piston and its mounting seat with brake fluid to prevent scoring on the cylinder walls during installation.

**38** Install a new caliper piston.



**39** Install the protective plate of the caliper piston dust boot.



**40** Press in the brake caliper piston. Use brake caliper wind back tool.



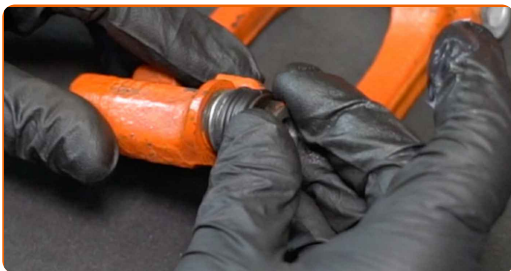
**41** Install the new boots of the brake caliper guide pins.



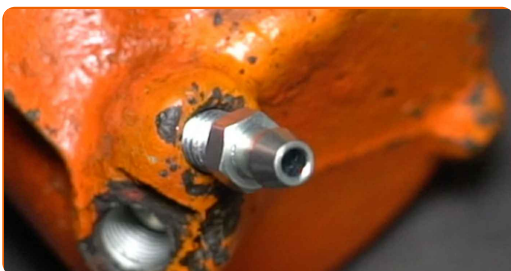
**42** Treat the brake caliper guide pins. Use the brake caliper guide pin grease.



**43** Install the brake caliper guide pins.



**44** Tighten the brake bleeder screw.



**45** Clean the area where the brake hose connects to the caliper. Use a wire brush. Use all-purpose cleaning spray.



**46** Install the brake caliper bracket.



**47** Install the fastening bolts.

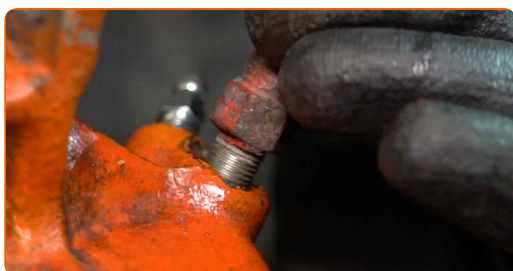
- 48 Tighten the brake caliper bracket fasteners. Use a drive socket #19. Use a torque wrench. Tighten it to 115 Nm torque.



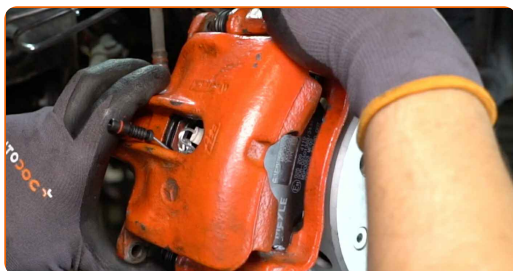
- 49 Install the brake pads.



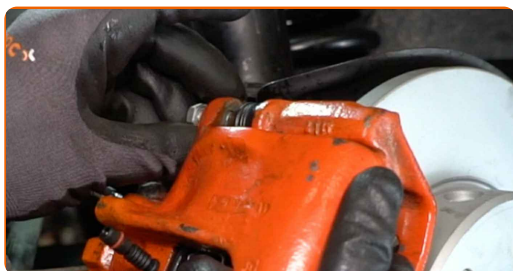
- 50 Screw the brake hose into the caliper.



- 51 Install the brake caliper and fasten it.



- 52 Install the fastening bolts.



- 53** Tighten the brake caliper fasteners. Use a drive socket #13. Use a combination spanner #15. Use a torque wrench. Tighten it to 35 Nm torque.



- 54** Tighten the fastener connecting the brake pipe to the brake caliper. Use a combination spanner #14. Use a torque wrench. Tighten it to 18 Nm torque.



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

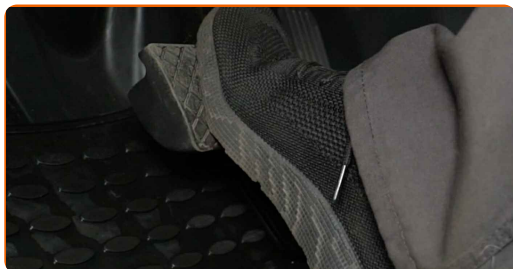


- 56** Remove the brake hose clamp.





**57** Bleed the brake system.

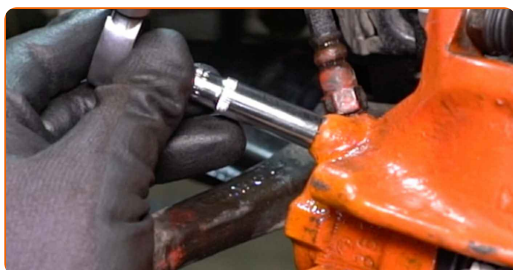


**58** Tighten the bleeder screw. Use a combination spanner #9.

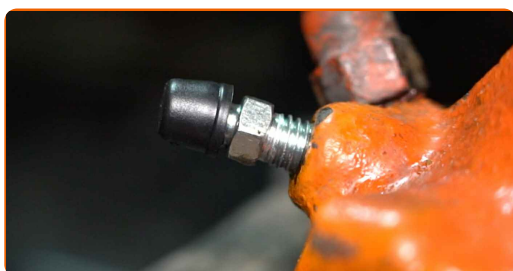


**59** Disconnect the brake bleeder kit.

**60** Tighten the brake caliper bleed screw. Use a drive socket #9. Use a torque wrench. Tighten it to 8 Nm torque.



**61** Attach the brake caliper bleed screw cap.



**62** Install the brake pad wear sensor connector.



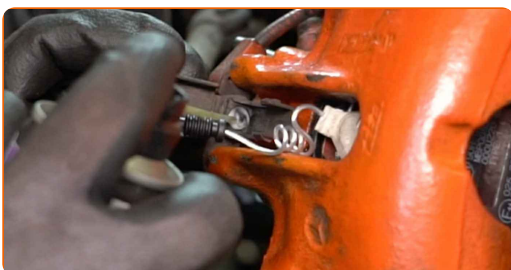
**63** Install the fastening bolt.



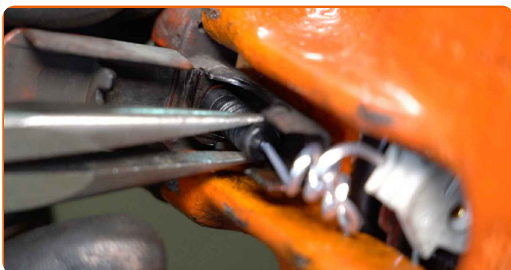
**64** Screw in the fastener of the brake pad wear sensor connector. Use a combination spanner #10.



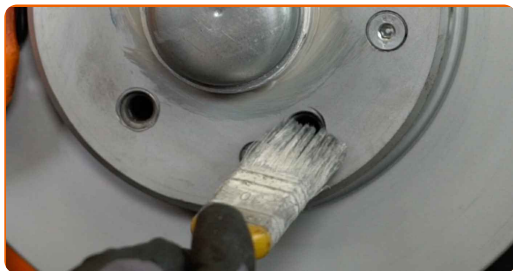
**65** Treat the brake pad wear sensor plug. Use dielectric grease.



**66** Attach the connector of the brake pad wear sensor.



**67** Treat the surface where the brake disc contacts the wheel rim. Use ceramic grease.



**68** Clean the brake disk surface. Use a brake cleaner.

**69** Install the wheel.



**AUTODOC recommends:**

- Warning! To avoid injury, hold the wheel while screwing in the fastening bolts on the car. MERCEDES-BENZ Pagode Convertible (W113)

**70** Screw in the wheel bolts. Use wheel impact socket #17. Use a ratchet wrench.



- 71** Lower the car and working in a cross order, tighten the wheel bolts. Use wheel impact socket #17. Use a torque wrench. Tighten it to 110 Nm torque.



- 72** Remove the jacks and chocks.



Replacement: brake caliper repair kit – MERCEDES-BENZ Pagode Convertible (W113). AUTODOC recommends:

- Check the brake fluid level in the expansion tank and top up if necessary.

- 73** Tighten the brake fluid reservoir cap.



74

Close the bonnet.

**WELL DONE!** 

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**BRAKE CALIPER REPAIR KIT: A WIDE SELECTION**

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