



How to change front
brake caliper on **VW**
Passat (A32, A33) –
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:

VW Passat (A32, A33) 2.0 TDI

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: VW TOURAN (1T3) 1.6 TDI

REPLACEMENT: BRAKE CALIPER – VW PASSAT (A32, A33). LIST OF THE TOOLS YOU'LL NEED:



- Torque wrench
- Wire brush
- HEX bit No.H7
- Drive socket # 11
- Ratchet wrench
- Brake cleaner
- Copper grease
- Flat screwdriver
- Fluid container
- Anti-squeal paste
- Wheel impact socket #17
- Wheel chock
- Brake hose clip
- Crow bar

Buy tools

Replacement: brake caliper – VW Passat (A32, A33). Tip from AUTODOC:

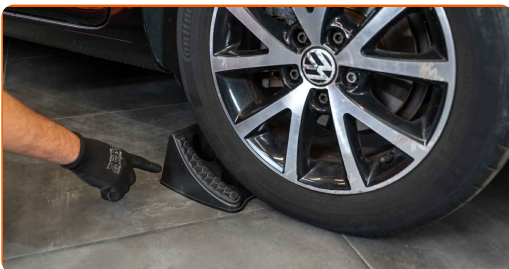
- The replacement procedure is identical for the left and right brake calipers on the same axle.
- All work should be done with the engine stopped.

**REPLACEMENT: BRAKE CALIPER – VW PASSAT (A32, A33).
RECOMMENDED SEQUENCE OF STEPS:**

1 Open the bonnet.

2 Unscrew the brake fluid reservoir cap.

3 Secure the wheels with chocks.

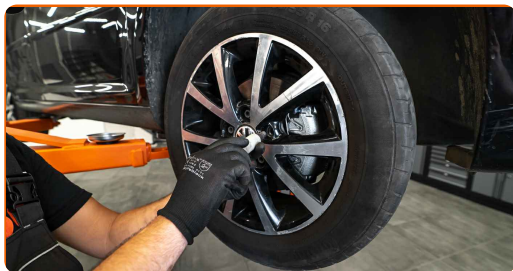


4 Loosen the wheel mounting bolts. Use wheel impact socket #17.



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

6 Unscrew the wheel bolts.



Replacement: brake caliper – VW Passat (A32, A33). AUTODOC recommends:

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

7 Remove the wheel.



8 Disconnect the ABS sensor electric socket. Disconnect the brake pad wear sensor plug. Remove the ABS sensor connector. Remove the connector of the brake pad wear sensor.

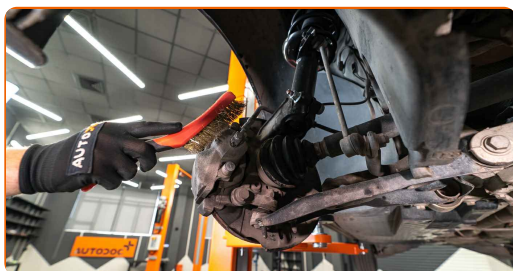
Please note!

- Some cars are not equipped with the brake pad wear sensor.

9 Put a container for gathering brake fluid beneath.



10 Clean the area where the brake hose is connected to the caliper, and the guide pins area. Use a brake cleaner.



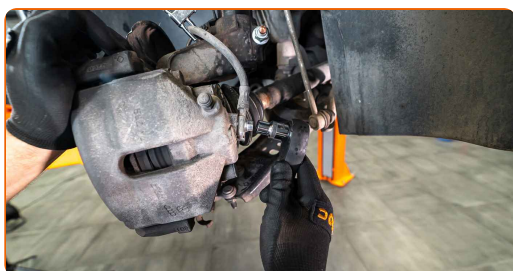
AUTODOC recommends:

- After applying the spray, wait a few minutes.

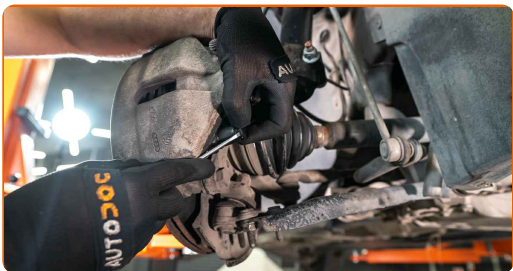
11.1 Clamp the brake hose off using a brake hose clamp.



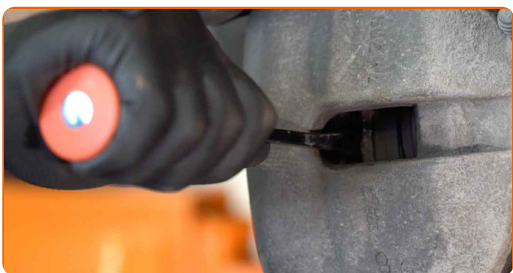
11.2 Unscrew the brake hose from the brake caliper. Use a drive socket #11. Use a ratchet wrench. Move the brake hose aside. Tie the brake hose to the car body with a hook or a piece of wire.



12 Remove the dust boot caps of the brake caliper guide pins.



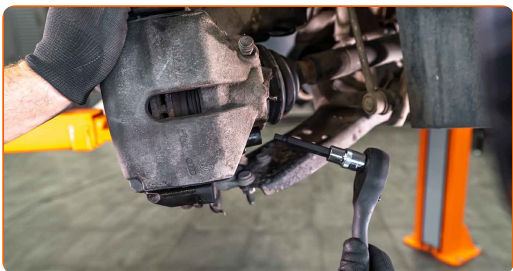
13 Spread the brake pads. Use a crowbar.



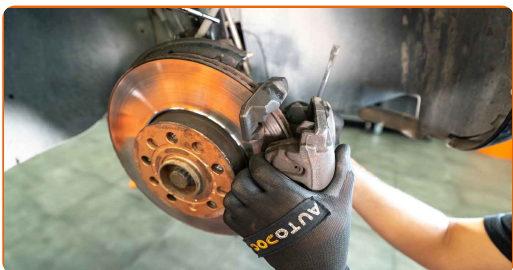
14 Using a simple screwdriver, remove the brake caliper spring clip.



15 Unscrew the brake caliper fastening. Use HEX No.H7.



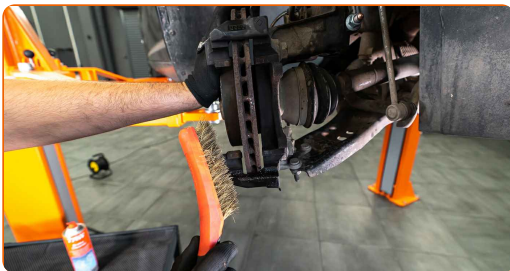
16 Remove the brake caliper.



Replacement: brake caliper – VW Passat (A32, A33). Professionals 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.
- If going to use the old brake pads, clean them.
- 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.

- 17** Clean the brake caliper bracket from dirt and dust. Use a wire brush. Treat the brake caliper bracket. Use a brake cleaner.



AUTODOC recommends:

- Replacement: brake caliper – VW Passat (A32, A33). After applying the spray, wait a few minutes.

18 Remove the guide pins from the brake caliper.

19 Clean old grease and rust stains, if there are any, from the caliper guide pins and guide pin boots. Use a brake cleaner.

Replacement: brake caliper – VW Passat (A32, A33). Tip:

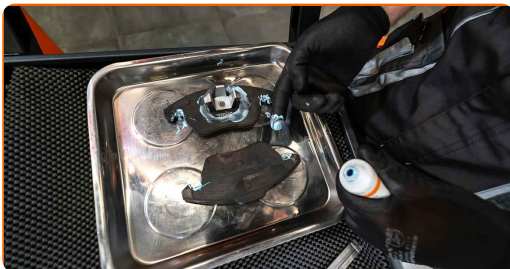
- After applying the spray, wait a few minutes.

20 Lubricate guide pins with special brake grease.

Replacement: brake caliper – VW Passat (A32, A33). AUTODOC experts recommend:

- If no new guide pins were supplied in a kit with the new brake calipers, use the old pins.

21 Treat the contact surfaces between the brake pads and the brake caliper bracket. Use anti-squeal paste.



22 Install the brake caliper together with the pads.

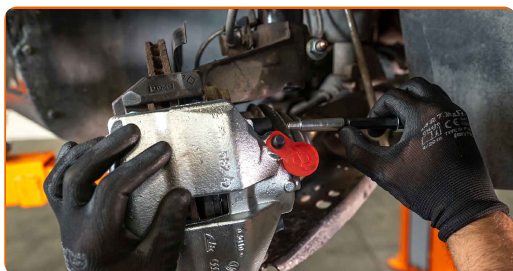


Please note!

- Install the brake caliper starting with its lower part.

23

Screw in the guide pins.

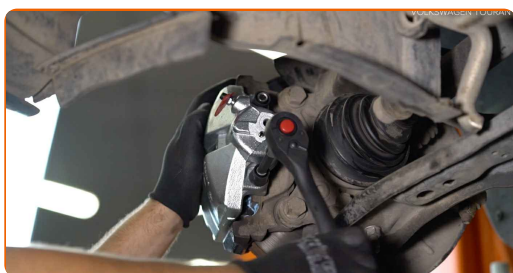


Replacement: brake caliper – VW Passat (A32, A33). Tip from AUTODOC:

- Hold up the brake caliper.

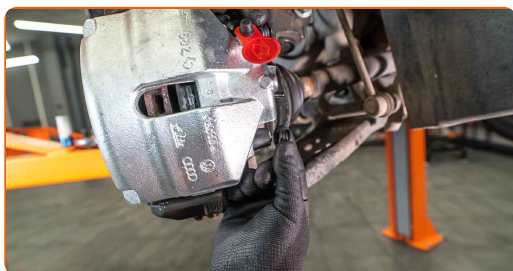
24

Tighten the guide pins. Use HEX No.H7. Use a torque wrench. Tighten it to 30 Nm torque.

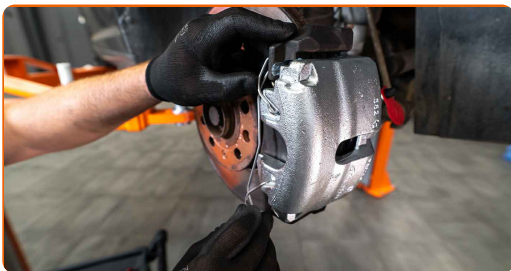


25

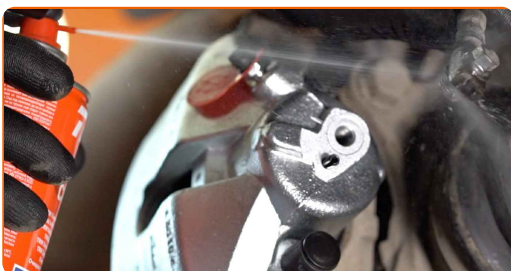
Install the dust boot caps of the brake caliper guide pins.



26 Install the brake caliper spring.



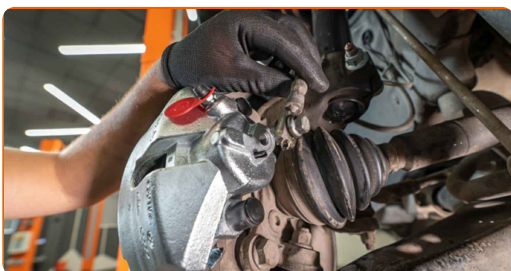
27 Clean dirt from the brake hose bolt. Use a brake cleaner.



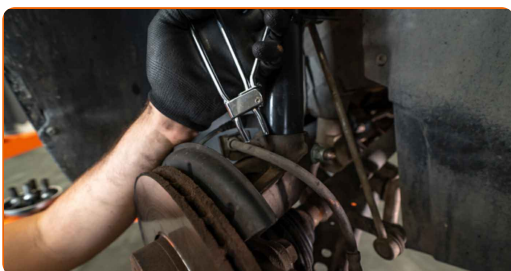
AUTODOC recommends:

- Replacement: brake caliper – VW Passat (A32, A33). After applying the spray, wait a few minutes.

28 Install and fix the brake hose into a new caliper. Use a drive socket #11. Use a torque wrench. Tighten it to 35 Nm torque.



29 Remove the brake hose clamp.

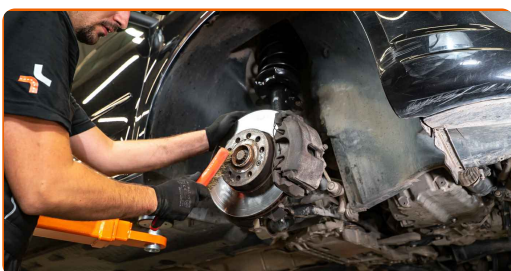


30 Connect the ABS sensor electric socket. Connect the brake pad wear sensor plug.

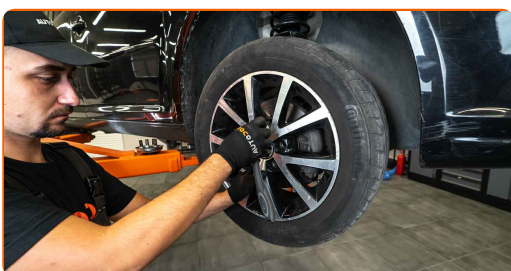
Replacement: brake caliper – VW Passat (A32, A33). AUTODOC recommends:

- Bleed the brake caliper system.

31 Clean the hub. Use a wire brush. Treat the contacting surface. Use copper grease.



32 Install the wheel.



AUTODOC recommends:

- Important! Hold the wheel while screwing in the fastening bolts. VW Passat (A32, A33)

33

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



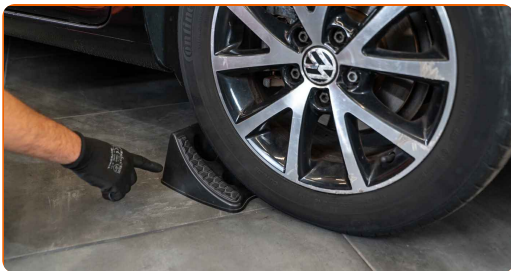
34

Lower the car and working in a cross order, tighten the wheel bolts. Use a torque wrench. Tighten it to 120 Nm torque.



35

Remove the jacks and chocks.



AUTODOC recommends:

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

36

Tighten the brake fluid reservoir cap. Close the hood.

WELL DONE! 

VIEW MORE TUTORIALS

AUTODOC – TOP QUALITY AND AFFORDABLE CAR PARTS ONLINE

AUTODOC MOBILE APP: GREAT DEALS AND CONVENIENT SHOPPING



+ AUTODOC

GET IT ON
Google Play

 Download on the
App Store

Download

A GREAT SELECTION OF SPARE PARTS FOR YOUR CAR

BRAKE CALIPER: A WIDE SELECTION

DISCLAIMER:

The document contains only general recommendations that may be useful for you when you perform repair or replacement work. AUTODOC shall not be liable for any loss, injury, damage of property occurring in the repair or replacement process due to incorrect use or misinterpretation of the provided information.

AUTODOC shall not be liable for any possible mistakes and uncertainties in this guide. The information provided is for information purposes only and cannot replace advice from specialists.

AUTODOC shall not be liable for incorrect or hazardous usage of equipment, tools and car parts. AUTODOC strongly recommends to be careful and observe the safety rules when performing repair or replacement works. Remember: usage of low quality auto parts does not guarantee you the appropriate level of road safety.

© Copyright 2023 – All the contents of this website, in particular texts, photographs and graphics, are protected by copyright. All rights, including reproduction, publication, editing and translation rights, are reserved by AUTODOC SE.