



How to change front  
brake caliper on **VW**  
**Touareg (7LA, 7L6, 7L7)** –  
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 Touareg (7LA, 7L6, 7L7) 2.5 R5 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 Multivan V (7HM, 7HN, 7HF, 7EF, 7EM, 7EN) 1.9 TDI

REPLACEMENT: BRAKE CALIPER – VW TOUAREG (7LA, 7L6, 7L7). TOOLS YOU MIGHT NEED:



- Wire brush
- Brake cleaner
- Copper grease
- Brake caliper guide pins grease
- Ceramic grease
- Torque wrench
- Flare nut spanner №11
- Combination spanner #14
- HEX bit No.H7
- Wheel impact socket #19
- Ratchet wrench
- Crow bar
- Brake bleeder kit
- Brake hose clip
- Wheel chock

**Buy tools**

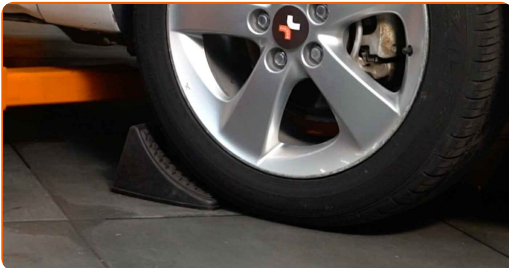
Replacement: brake caliper – VW Touareg (7LA, 7L6, 7L7). AUTODOC experts recommend:

- 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.

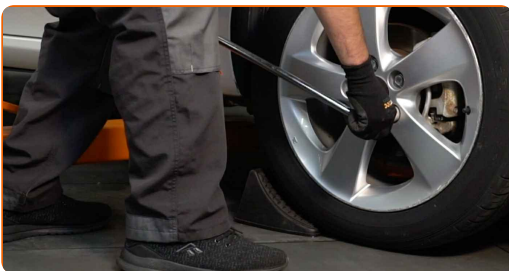
## REPLACEMENT: BRAKE CALIPER – VW TOUAREG (7LA, 7L6, 7L7). RECOMMENDED SEQUENCE OF STEPS:

**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 #19.



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

5

Unscrew the wheel bolts.



**AUTODOC recommends:**

- Warning! To avoid injury, hold the wheel while unscrewing the fastening bolts. VW Touareg (7LA, 7L6, 7L7)

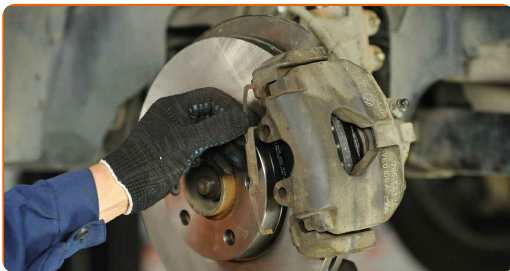
6

Remove the wheel.



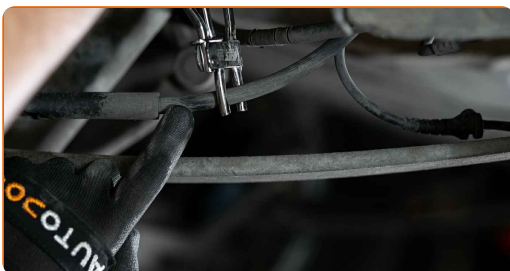
7

Detach the brake caliper retaining spring. Use a crowbar.

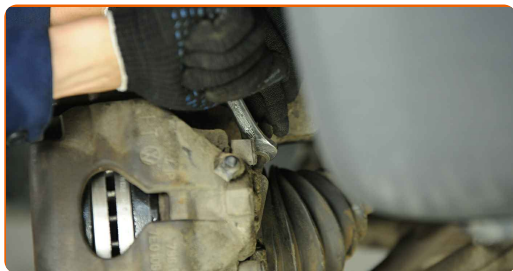


8

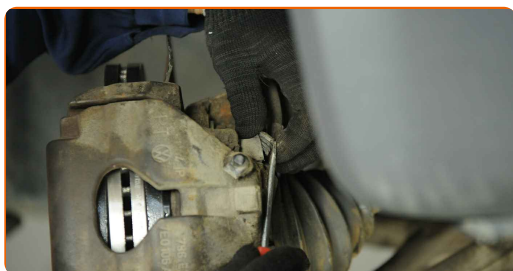
Clamp the brake hose off using a brake hose clamp.



**9** Loosen the brake hose fastening. Use a combination spanner #14.



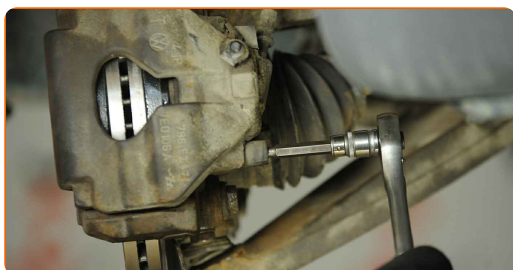
**10** Remove the dust boot caps of the brake caliper guide pins. Use a crowbar.



**11** Spread the brake pads. Use a crowbar.



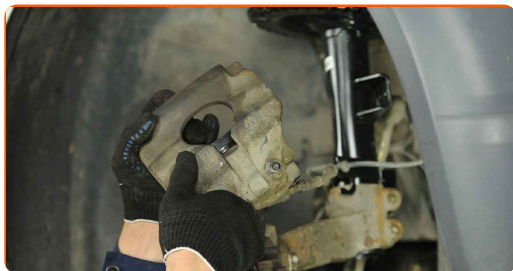
**12** Unscrew the brake caliper fasteners. Use HEX No.H7. Use a ratchet wrench.



**13** Remove the guide pins from the brake caliper.

14

Remove the brake caliper.

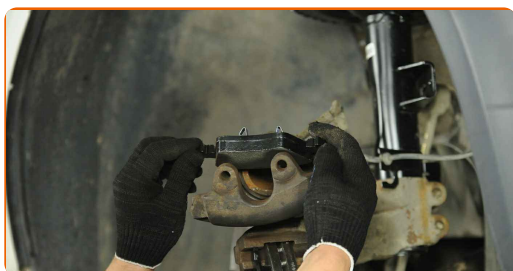


Replacement: brake caliper – VW Touareg (7LA, 7L6, 7L7). Professionals recommend:

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

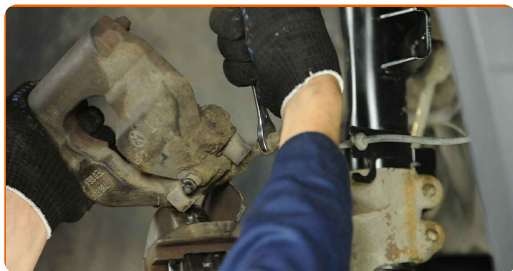
15

Remove the brake pads.



**16**

Unscrew the brake hose from the brake caliper. Use a combination spanner #14.

**17**

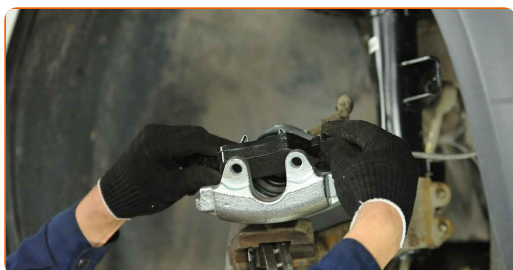
Treat the brake hose. Use a brake cleaner.

**18**

Install and fix the brake hose into a new caliper.

**19**

Install the brake pads.

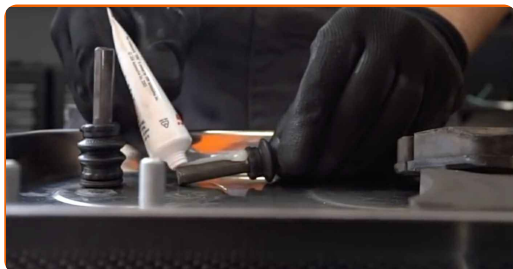
**20**

Install the brake caliper and fix it.





**21** Clean the brake caliper guide pins. Use the brake caliper guide pin grease.

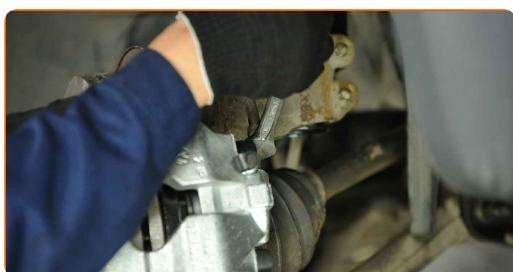


**22** Screw in the guide pins.

**23** Tighten the brake caliper fasteners. Use HEX No.H7. Use a torque wrench. Tighten it to 30 nm torque.



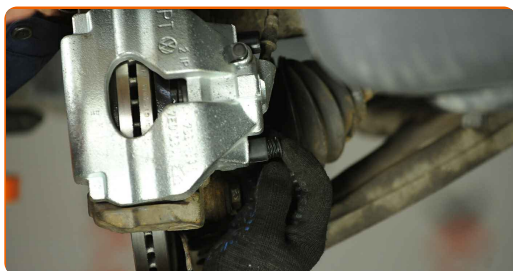
**24** Tighten the fastener connecting the brake pipe to the brake caliper. Use a combination spanner #14. Use a torque wrench. Tighten it to 15 Nm torque.



**25** Remove the brake hose clamp.



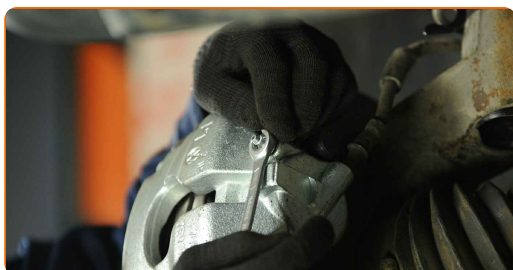
**26** Install the dust boot caps of the brake caliper guide pins.



**27** Install the brake caliper retaining spring. Use a crowbar.



**28** Undo the brake bleeder screw. Use a flare nut spanner #11.



**29** Connect the brake bleeder kit to the brake bleeder screw.



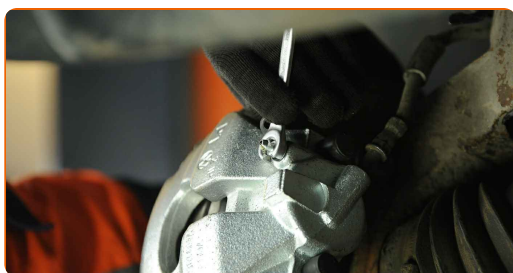
**30** Bleed the brake caliper system.



Replacement: brake caliper – VW Touareg (7LA, 7L6, 7L7). AUTODOC recommends:

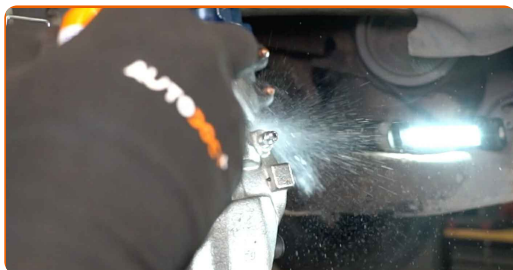
- Check the brake fluid level in the expansion tank and refill if necessary.

**31** Tighten the brake caliper bleed screw. Use a flare nut spanner #11. Use a torque wrench. Tighten it to 10 Nm torque.



**32** Disconnect the brake bleeder kit.

**33** Clean dirt from the brake hose bolt. Use a brake cleaner.

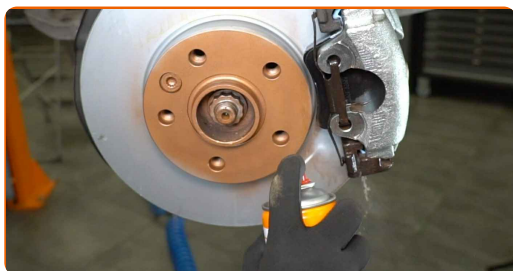


**34** Treat the surface where the brake disc contacts the wheel rim. Use ceramic grease.



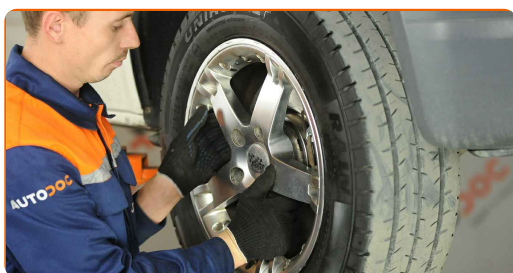
35

Clean the brake disk surface. Use a brake cleaner.



36

Install the wheel.



**AUTODOC recommends:**

- Warning! To avoid injury, hold the wheel while screwing in the fastening bolts on the car. VW Touareg (7LA, 7L6, 7L7)

37

Screw in the wheel bolts. Use wheel impact socket #19.



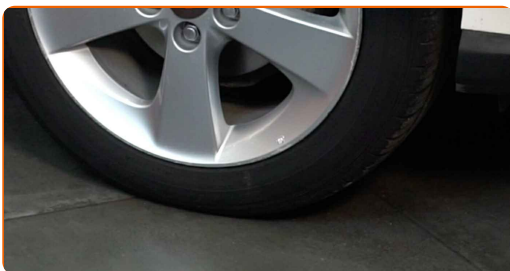
**38**

Lower the car and working in a cross order, tighten the wheel bolts. Use wheel impact socket #19. Use a torque wrench. Tighten it to 180 Nm torque.



**39**

Remove the jacks and chocks.



Replacement: brake caliper – VW Touareg (7LA, 7L6, 7L7). AUTODOC experts recommend:

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

**40**

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**



**A GREAT SELECTION OF SPARE PARTS FOR YOUR CAR**

**BRAKE CALIPER: A WIDE SELECTION**

## **(i) 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.