



How to change front
brake caliper on **FORD**
KUGA I – replacement
guide

SIMILAR VIDEO TUTORIAL



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

i Important!

This replacement procedure can be used for:
 FORD KUGA I 2.5, FORD KUGA I 2.0 TDCi, FORD KUGA I 2.0 TDCi 4x4, FORD KUGA I 2.5 4x4

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: FORD MONDEO III Estate (BWY) 1.8 16V

REPLACEMENT: BRAKE CALIPER – FORD KUGA I.
 TOOLS YOU MIGHT NEED:



- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Brake caliper guide pins grease
- Combination spanner #9
- Flare nut spanner №14
- HEX bit no.H7.
- Wheel impact socket #19
- Ratchet wrench
- Torque wrench
- Brake hose clip
- Flat Screwdriver
- Crow bar
- Brake bleeder kit
- Wheel chock

Buy tools

Replacement: brake caliper – FORD KUGA I. Professionals 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.

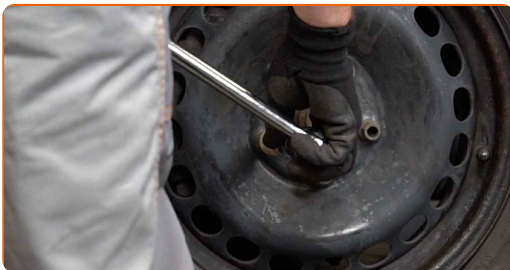
CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:

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.

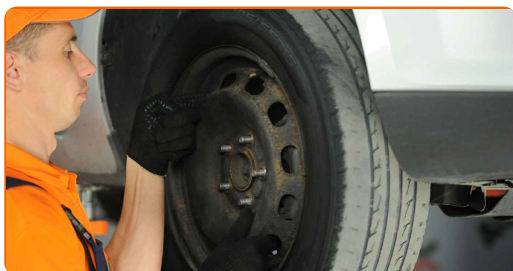
5 Unscrew the wheel bolts.



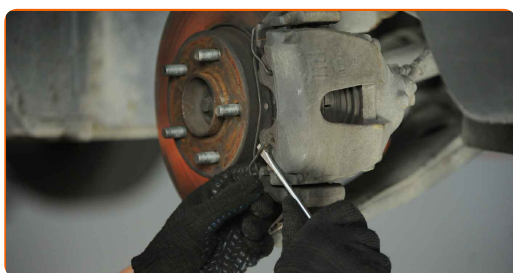
AUTODOC recommends:

- Important! Hold the wheel while unscrewing the fastening bolts. FORD KUGA I

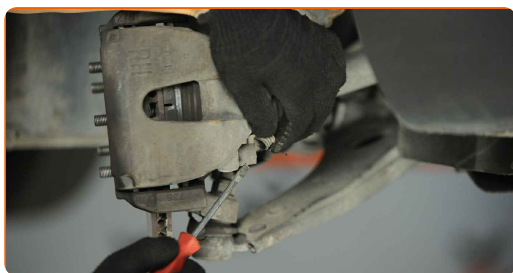
6 Remove the wheel.



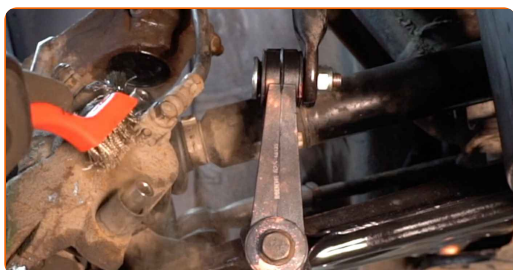
7 Detach the brake caliper retaining spring. Use a flat screwdriver.



8 Remove the dust boot caps of the brake caliper guide pins. Use a flat screwdriver.



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



Replacement: brake caliper – FORD KUGA I. AUTODOC recommends:

- After applying the spray, wait a few minutes.

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

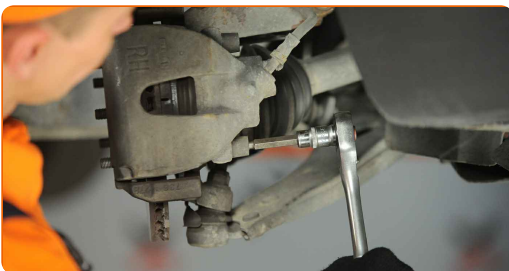


11 Loosen the brake hose fastening. Use a flare nut spanner #14.



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

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



14 Remove the guide pins from the brake caliper.

15

Spread the brake pads. Use a crowbar.



16

Remove the brake caliper.



Replacement: brake caliper – FORD KUGA I. Tip from AUTODOC experts:

- 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.
- Check the brake caliper bracket, brake caliper guide pins and boots. Clean them. Replace, if necessary.
- Don't press the brake pedal after the brake caliper has been removed. As a result, the piston can fall out from the brake cylinder, and brake fluid leakage and depressurization of the system may occur.

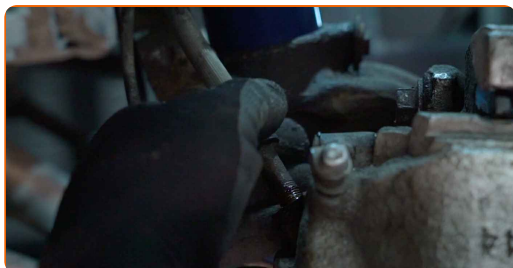
17 Remove the brake pads.



18 Unscrew the brake hose from the brake caliper. Use a flare nut spanner #14.



19 Disconnect the brake hose.



20 Treat the brake hose. Use a brake cleaner.



AUTODOC recommends:

- Replacement: brake caliper – FORD KUGA I. After applying the spray, wait a few minutes.

21 Install and fix the brake hose into a new caliper. Use a flare nut spanner #14.



22 Remove the brake hose clamp.



23 Clean the brake caliper bracket from dirt and dust. Use a wire brush. Use a brake cleaner.

24 Install the brake pads.



Replacement: brake caliper – FORD KUGA I. AUTODOC experts recommend:

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

25 Install the brake caliper and fix it.



26 Clean the brake caliper guide pins.



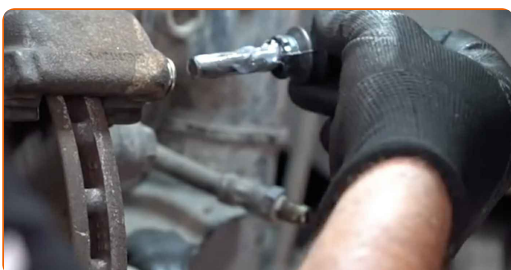
27 Treat the brake caliper guide pins. Use the brake caliper guide pin grease.



Replacement: brake caliper – FORD KUGA I. Tip from AUTODOC:

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

28 Screw in the guide pins.



29

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



30

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

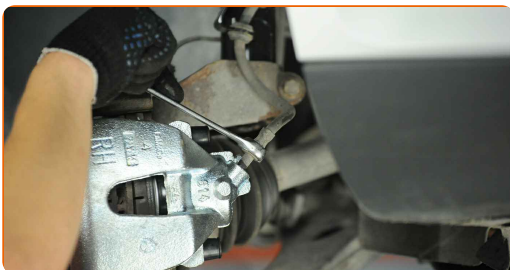


31

Clean the brake caliper surface.

32

Tighten the fastener connecting the brake pipe to the brake caliper. Use a flare nut spanner #14. Use a torque wrench. Tighten it to 18 Nm torque.



33

Connect the brake bleeder kit to the brake bleeder screw.



34 Undo the brake bleeder screw. Use a combination spanner #9.



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



36 Tighten the brake caliper bleed screw. Use a combination spanner #9. Use a torque wrench. Tighten it to 9 Nm torque.



37 Disconnect the brake bleeder kit.

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



AUTODOC recommends:

- Replacement: brake caliper – FORD KUGA I. After applying the spray, wait a few minutes.

39

Install the brake caliper retaining spring.



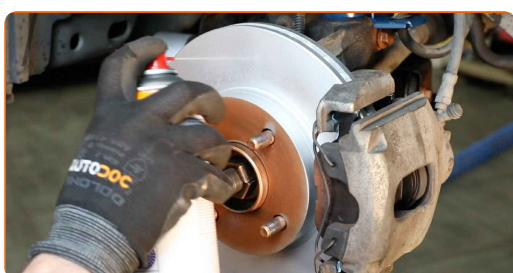
40

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



41

Clean the brake disk surface. Use a brake cleaner.



Replacement: brake caliper – FORD KUGA I. Tip:

- After applying the spray, wait a few minutes.

42 Install the wheel.



AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while screwing in the fastening bolts on the car. FORD KUGA I

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

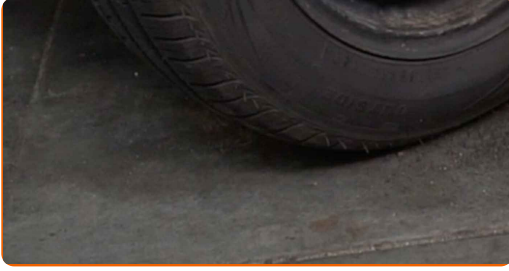


44 Lower the car and working in a cross order, tighten the wheel bolts. Use wheel impact socket #19. Use a torque wrench. Tighten it to 120 nm torque.



45

Remove the jacks and chocks.



AUTODOC recommends:

- Important! Replacement: brake caliper – FORD KUGA I. Check the brake fluid level in the reservoir and top up if necessary.

46

Tighten the brake fluid reservoir cap. Close the hood.

Replacement: brake caliper – FORD KUGA I. AUTODOC recommends:

- Without starting the engine, press the brake pedal several times until you feel significant resistance.

WELL DONE! 

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