



How to change front
brake discs on **FORD**
Orion Mk3 (GAL) –
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:

FORD Orion Mk3 (GAL) 1.3, FORD Orion Mk3 (GAL) 1.8 D, FORD Orion Mk3 (GAL) 1.8 TD, FORD Orion Mk3 (GAL) 1.4, FORD Orion Mk3 (GAL) 1.6 i 16V, FORD Orion Mk3 (GAL) 1.6 i, FORD Orion Mk3 (GAL) 1.8 i 16V, FORD Orion Mk3 (GAL) 1.6

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 Fiesta Mk5 Hatchback (JH1, JD1, JH3, JD3) 1.4 16V

REPLACEMENT: BRAKE DISCS – FORD ORION MK3
(GAL). TOOLS YOU NEED:



- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- HEX bit No.H7.
- Drive socket # 13
- Wheel impact socket #19
- Ratchet wrench
- Torque wrench
- Brake caliper wind back tool
- Tap wrench
- Crow bar
- Wheel chock

[Buy tools](#)

Replacement: brake discs – FORD Orion Mk3 (GAL). AUTODOC experts recommend:

- Replace the brake disks on the car FORD Orion Mk3 (GAL) in complete set for each axis. Regardless of the state of components. This will ensure even braking.
- The replacement procedure is identical for both brake disks on the same axle.
- When changing the brake discs, always replace the brake pads.
- All work should be done with the engine stopped.

REPLACEMENT: BRAKE DISCS – FORD ORION MK3 (GAL). TAKE THE FOLLOWING STEPS:

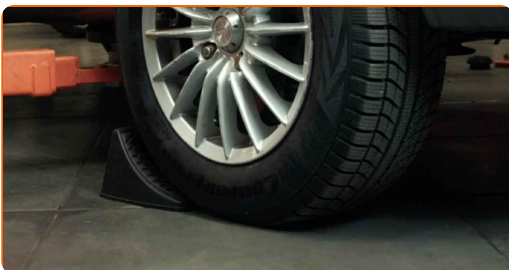
1

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.

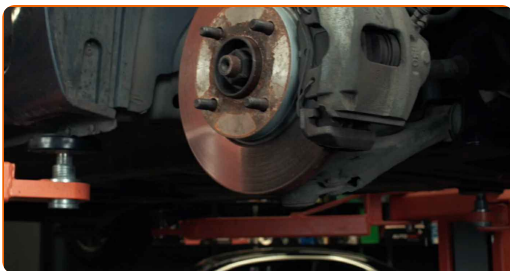


Replacement: brake discs – FORD Orion Mk3 (GAL). AUTODOC recommends:

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

6

Remove the wheel.



7

Spread the brake pads. Use a crowbar.



8

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



9

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



10

Detach the brake caliper retaining spring. Use a crowbar.



11

Remove the brake caliper.

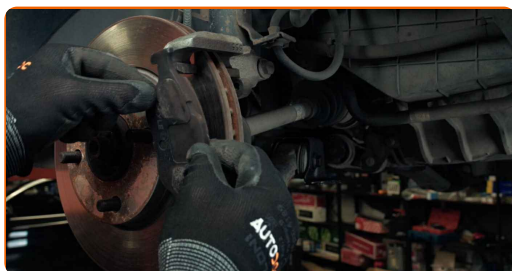


Replacement: brake discs – FORD Orion Mk3 (GAL). Professionals recommend:

- Tie the caliper to the suspension or to the body with a wire without disconnecting from the brake hose to prevent depressurization of the brake system.
- Make sure that the brake caliper is not hanging on the brake hose.
- 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.
- Check the brake caliper bracket, brake caliper guide pins and boots. Clean them. Replace, if necessary.

12

Remove the brake pads.



13

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



14

Unscrew the caliper bracket fastening. Use a drive socket #13. Use a tap wrench. Use a ratchet wrench.



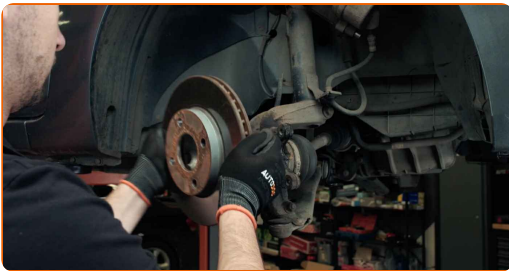
15

Remove the caliper bracket.



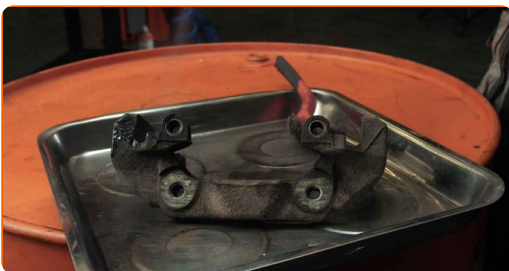
16

Remove the brake disc.



17

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

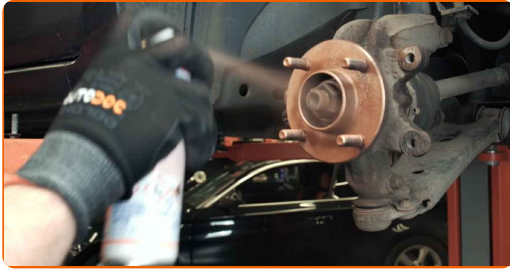


AUTODOC recommends:

- Replacement: brake discs – FORD Orion Mk3 (GAL). After applying the spray, wait a few minutes.

18

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



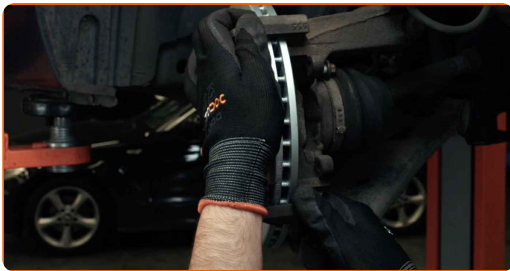
19

Install the brake disc.



20

Install the brake caliper bracket.



21

Tighten the brake caliper bracket. Use a drive socket #13. Use a torque wrench. Tighten it to 70 Nm torque.



22 Treat the brake caliper piston. Use a brake cleaner.



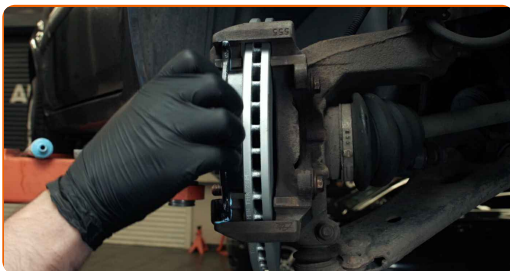
Replacement: brake discs – FORD Orion Mk3 (GAL). Tip from AUTODOC:

- After applying the spray, wait a few minutes.

23 Press in the brake caliper piston. Use brake caliper wind back tool.



24 Install the brake pads.



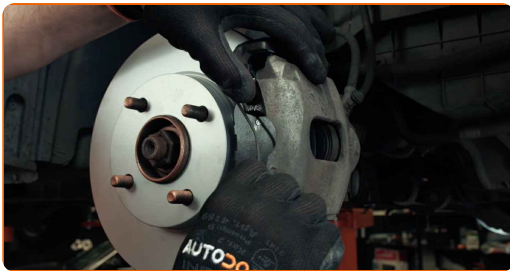
25 Install the brake caliper and fix it. Use HEX No.H7. Use a torque wrench. Tighten it to 30 Nm torque.



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



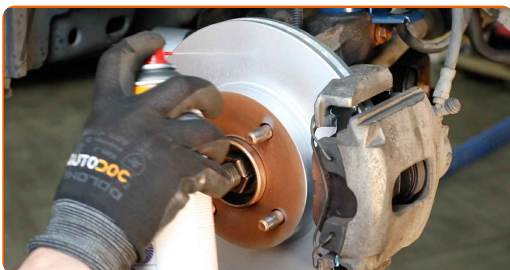
27 Install the brake caliper retaining spring.



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



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



Replacement: brake discs – FORD Orion Mk3 (GAL). Tip from AUTODOC experts:

- After applying the spray, wait a few minutes.

30

Install the wheel.



AUTODOC recommends:

- Important! Hold the wheel while screwing in the fastening bolts. FORD Orion Mk3 (GAL)

31

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



32

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 95 Nm torque.



Replacement: brake discs – FORD Orion Mk3 (GAL). AUTODOC recommends:

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

33

Tighten the brake fluid reservoir cap. Close the hood.

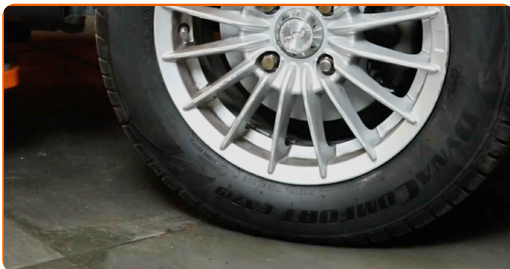


AUTODOC recommends:

- FORD Orion Mk3 (GAL) – Press the brake pedal several times with the engine shut down until you feel the resistance built up.

34

Remove the jacks and chocks.



WELL DONE! 

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BRAKE DISCS: A WIDE SELECTION

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