



How to change front
brake discs on **HYUNDAI**
ix55 – 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:

HYUNDAI ix55 3.0 V6 CRDi 4WD

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: HYUNDAI SANTA FÉ II (CM) 2.2 CRDi

REPLACEMENT: BRAKE DISCS – HYUNDAI IX55. TOOLS YOU'LL NEED:



- Wire brush
- Nylon cleaning brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Torque wrench
- Combination spanner #17
- Drive socket # 14
- Wheel impact socket #21
- Ratchet wrench
- Phillips screwdriver
- Brake caliper wind back tool
- Crow bar
- Wheel chock

Buy tools

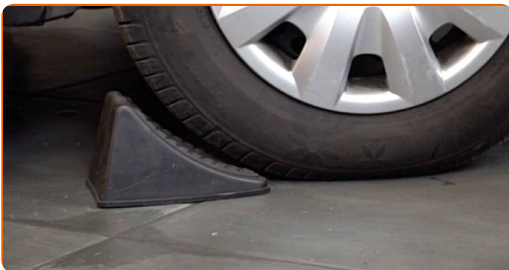
AUTODOC recommends:

- Replace the brake disks on the car HYUNDAI ix55 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.
- Please note: all work on the car – HYUNDAI ix55 – should be done with the engine switched off.

CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:

1 Open the hood. Unscrew the brake fluid reservoir cap.

2 Secure the wheels with chocks.

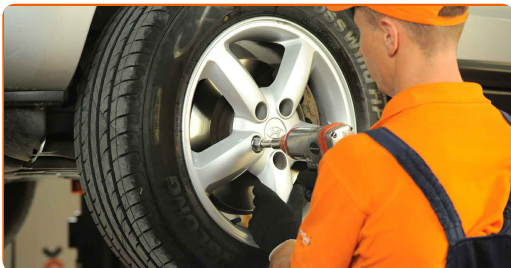


3 Loosen the wheel mounting bolts. Use wheel impact socket #21.



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

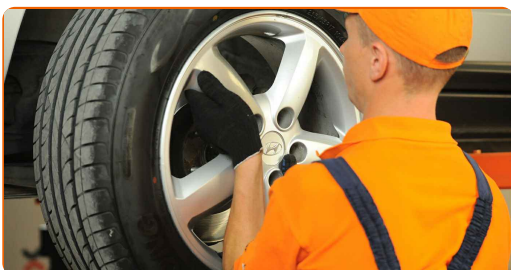
5 Unscrew the wheel bolts.



AUTODOC recommends:

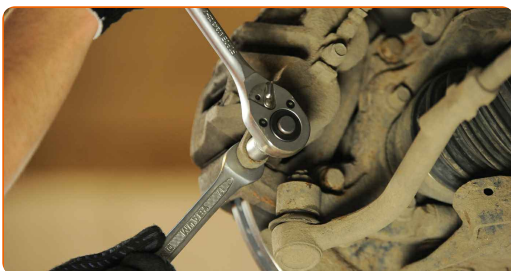
- Warning! To avoid injury, hold the wheel while unscrewing the fastening bolts.
HYUNDAI ix55

6 Remove the wheel.



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

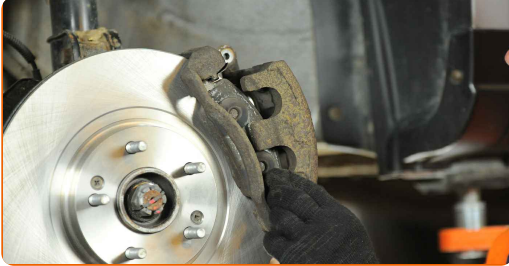
8 Unscrew the brake caliper fastening. Use a combination spanner #17. Use a drive socket #14. Use a ratchet wrench.



9 Remove the guide pins from the old brake caliper.

10 Spread the brake pads. Use a crowbar.

11 Remove the brake caliper.



Replacement: brake discs – HYUNDAI ix55. AUTODOC recommends:

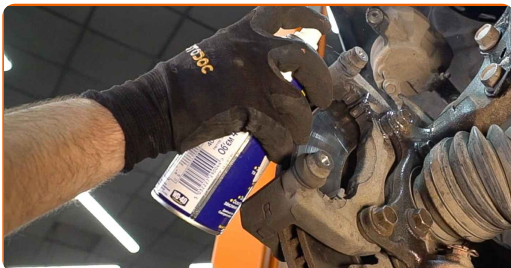
- Tie the caliper to the suspension or to the body with a wire without disconnecting from the brake hose to prevent depressurization of the brake system.
- Make sure that the brake caliper is not hanging on the brake hose.
- Don't press the brake pedal after the brake caliper has been removed. As a result, 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.

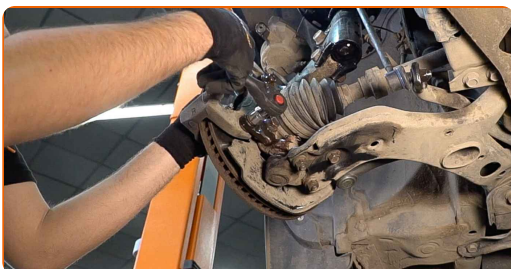


13 Remove the brake pads retaining clips.

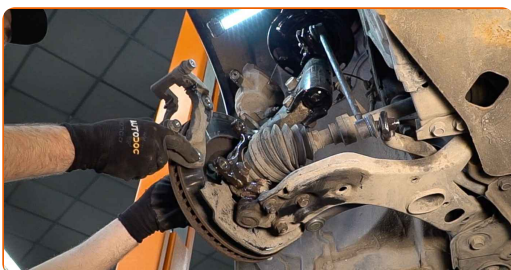
14 Clean the brake caliper bracket fasteners. Use a wire brush. Use WD-40 spray.



15 Unscrew the caliper bracket fastening. Use a drive socket #17. Use a ratchet wrench.

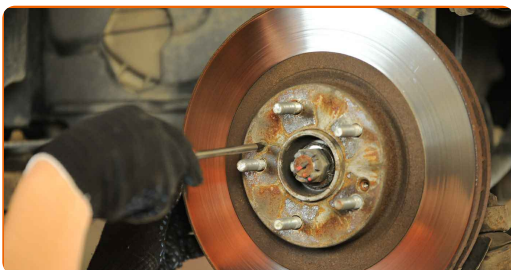


16 Remove the caliper bracket.



17 Clean the brake disc fastener. Use a wire brush. Use WD-40 spray.

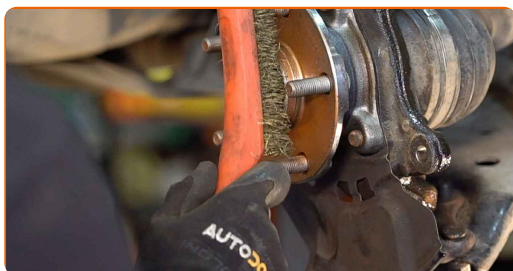
18 Unscrew the brake disc fastening. Use a Phillips screwdriver.



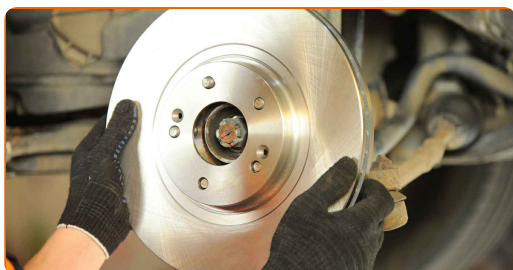
19 Remove the brake disc.



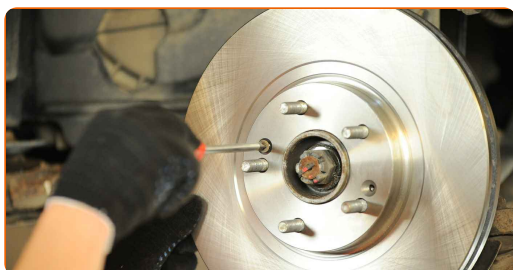
20 Clean the hub. Use a wire brush. Treat the contacting surface. Use high-temperature grease.



21 Install the brake disc.

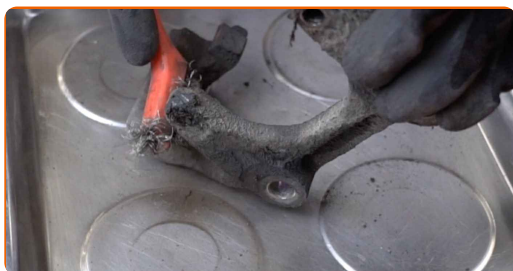


22 Tighten the brake disc fasteners. Use a Phillips screwdriver. Use a torque wrench. Tighten it to 6 Nm torque.



23

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

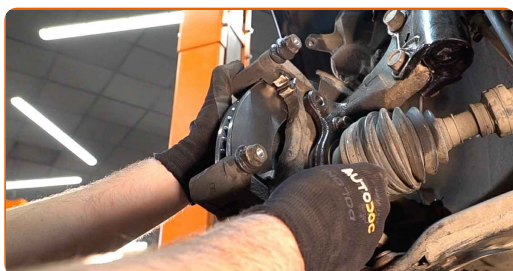


AUTODOC recommends:

- Replacement: brake discs – HYUNDAI ix55. After applying the spray, wait a few minutes.

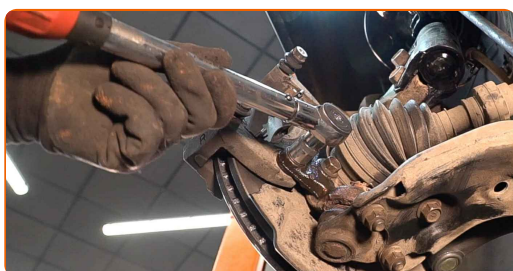
24

Install the brake caliper bracket.



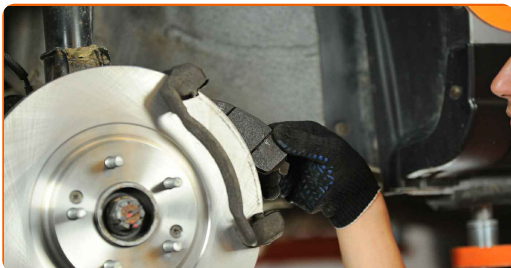
25

Tighten the brake caliper bracket. Use a combination spanner #17. Use a drive socket #17. Use a torque wrench. Tighten it to 85 Nm torque.

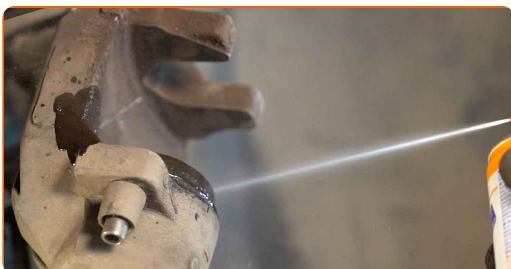


26 Install the brake pads retaining clips.

27 Install the brake pads.



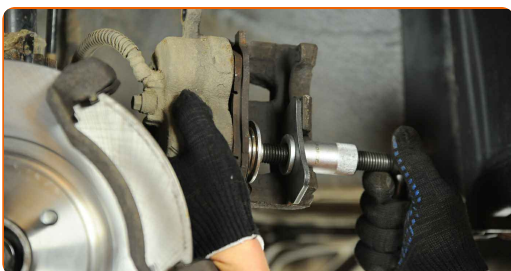
28 Treat the brake caliper piston. Use a nylon cleaning brush. Use a brake cleaner.



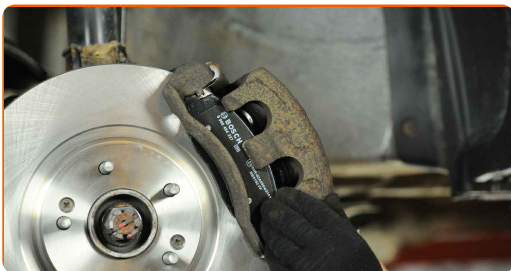
Replacement: brake discs – HYUNDAI ix55. Tip:

- After applying the spray, wait a few minutes.

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

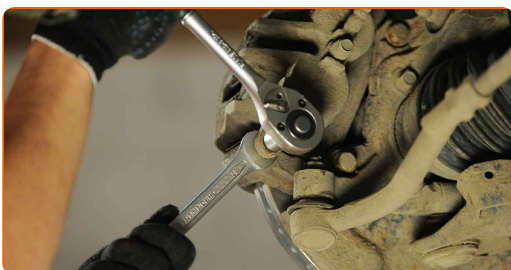


30 Install the brake caliper and fix it.

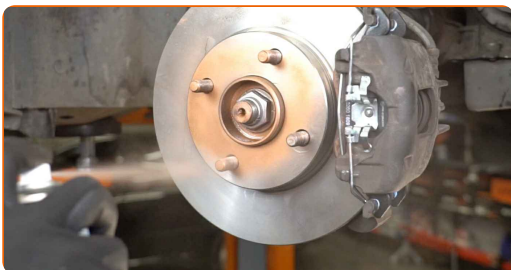


31 Screw in the guide pins.

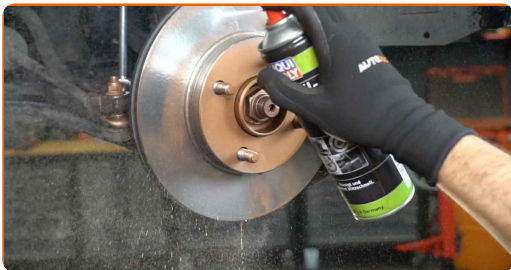
32 Tighten the brake caliper fasteners. Use a combination spanner #17. Use a drive socket #14. Use a torque wrench. Tighten it to 30 Nm torque.



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



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

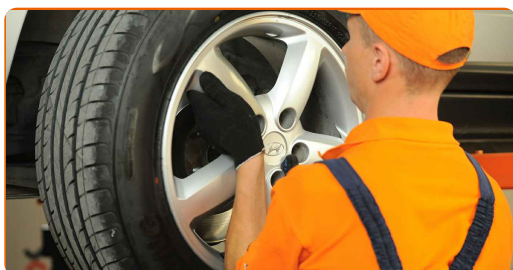


AUTODOC recommends:

- Replacement: brake discs – HYUNDAI ix55. After applying the spray, wait a few minutes.

35

Install the wheel.

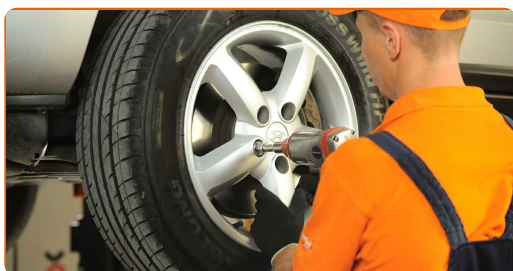


Replacement: brake discs – HYUNDAI ix55. Tip from AUTODOC:

- To avoid injury, hold up the wheel when screwing in the fastening bolts.

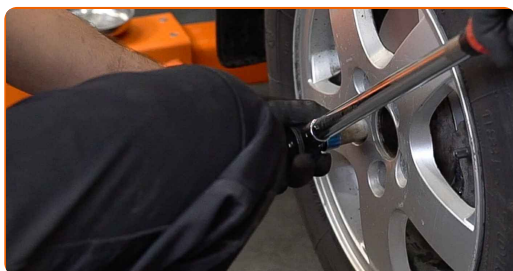
36

Screw in the wheel bolts. Use wheel impact socket #21.



37

Lower the car and working in a cross order, tighten the wheel bolts. Use wheel impact socket #21. Use a torque wrench. Tighten it to 108 Nm torque.



38

Remove the jacks and chocks.



AUTODOC recommends:

- Check the brake fluid level in the expansion tank and refill if necessary.
- Without starting the engine, press the brake pedal several times until you feel significant resistance.

39

Tighten the brake fluid reservoir cap. Close the hood.

WELL DONE! 

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