



How to change front
brake discs on **FIAT
TEMPRA S.W. (159)** –
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:
 FIAT TEMPRA S.W. (159) 1.9 TD, FIAT TEMPRA S.W. (159) 1.4 i.e., FIAT TEMPRA S.W. (159) 1.6 i.e., FIAT TEMPRA S.W. (159) 1.8 i.e., FIAT TEMPRA S.W. (159) 2.0 i.e. 4x4, FIAT TEMPRA S.W. (159) 2.0 i.e., FIAT TEMPRA S.W. (159) 1.9 D, FIAT TEMPRA S.W. (159) 1.6, FIAT TEMPRA S.W. (159) 2.0

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: FIAT PANDA (169) 1.2

REPLACEMENT: BRAKE DISCS – FIAT TEMPRA S.W.
(159). TOOLS YOU MIGHT NEED:



- Wire brush
- Nylon cleaning brush
- WD-40 spray
- All-purpose cleaning spray
- Brake cleaner
- Copper grease
- Torque wrench
- Drive socket # 12
- Drive socket # 18
- Wheel impact socket #17
- Brake caliper wind back tool
- Ratchet wrench
- Crow bar
- Pin punch
- Rubber mallet
- Hammer
- Round-nose pliers
- Wheel chock

Buy tools

Replacement: brake discs – FIAT TEMPRA S.W. (159). AUTODOC recommends:

- Replace the brake discs on the car FIAT TEMPRA S.W. (159) 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 – FIAT TEMPRA S.W. (159) – should be done with the engine switched off.

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 #17.



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

5 Unscrew the wheel bolts.



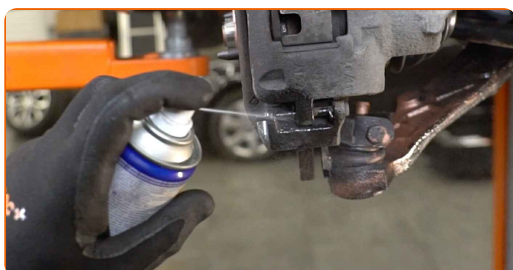
AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while unscrewing the fastening bolts.
FIAT TEMPRA S.W. (159)

6 Remove the wheel.



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



8 Spread the brake pads. Use a crowbar.



9 Remove the lock pin retainer clip. Use round-nose pliers.



10 Remove the brake caliper cotter pin. Use a pin punch. Use a hammer.



11 Lift the caliper up.

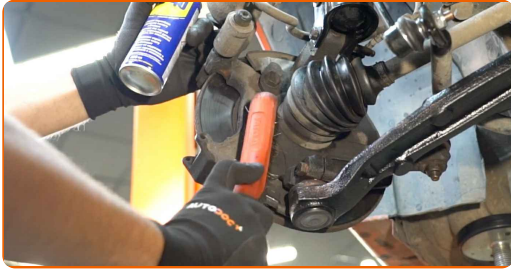


12 Remove the brake pads.



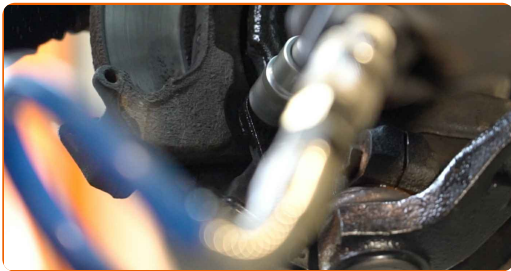
13

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



14

Unscrew the caliper bracket fastening. Use a drive socket #18. Use a ratchet wrench.



15

Remove the brake caliper together with its bracket.



Replacement: brake discs – FIAT TEMPRA S.W. (159). Tip from AUTODOC experts:

- 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.

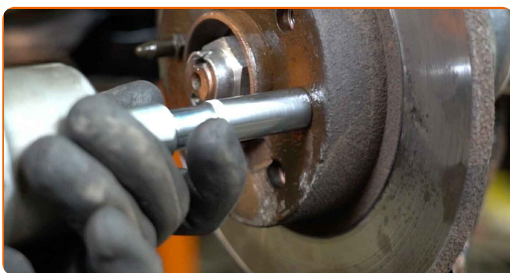
16

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



17

Unscrew the brake disc fastening. Use a drive socket #12. Use a ratchet wrench.



18 Remove the brake disc. Use a rubber mallet.



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



20 Clean the brake disk surface. Use all-purpose cleaning spray.

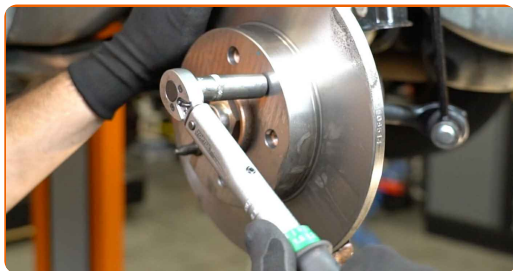


21 Install the brake disc.



22

Tighten the brake disc fastening. Use a drive socket #12. Use a torque wrench. Tighten it to 9 Nm torque.



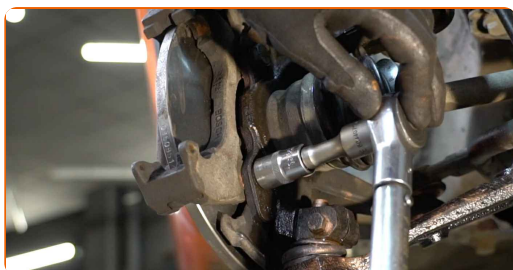
23

Install the brake caliper together with its bracket.



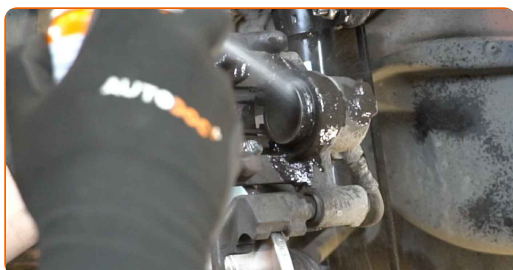
24

Tighten the brake caliper bracket. Use a drive socket #18. Use a torque wrench. Tighten it to 55 Nm torque.



25

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



AUTODOC recommends:

- Replacement: brake discs – FIAT TEMPRA S.W. (159). After applying the spray, wait a few minutes.

26

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



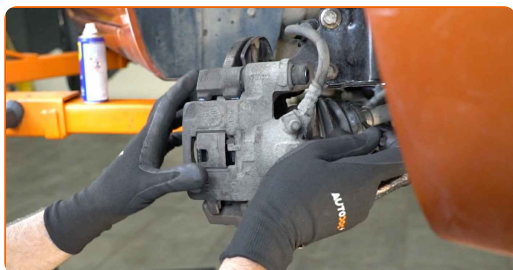
27

Install the brake pads.



28

Install the brake caliper and fix it.

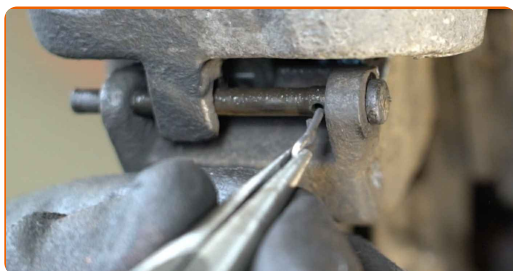


29

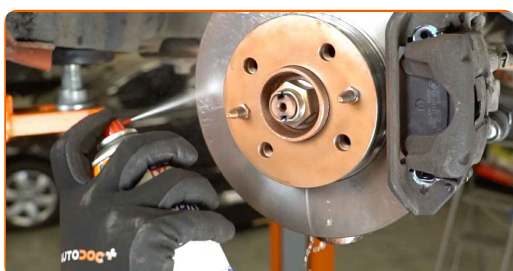
Install the brake caliper cotter pin. Use a pin punch. Use a hammer.



30 Install the lock pin retainer clip. Use round-nose pliers.



31 Treat the surface where the brake disc contacts the wheel rim. Use copper grease. Clean the brake disk surface. Use a brake cleaner.



AUTODOC recommends:

- Replacement: brake discs – FIAT TEMPRA S.W. (159). After applying the spray, wait a few minutes.

32 Install the wheel.



AUTODOC recommends:

- Important! Hold the wheel while screwing in the fastening bolts. FIAT TEMPRA S.W. (159)

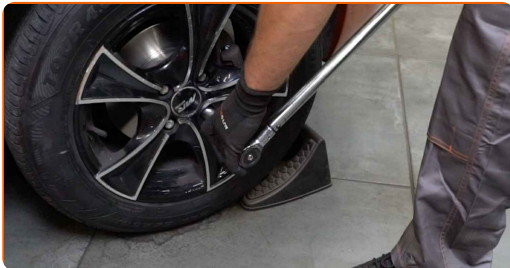
33

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 wheel impact socket #17. Use a torque wrench. Tighten it to 98 Nm torque.



35

Remove the jacks and chocks.

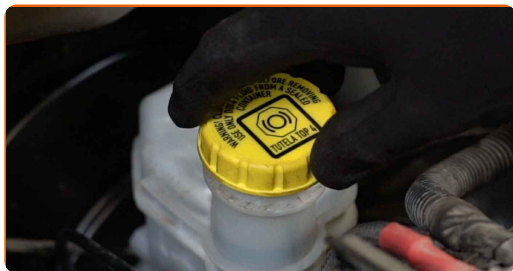


Replacement: brake discs – FIAT TEMPRA S.W. (159). Tip from AUTODOC experts:

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

36

Tighten the brake fluid reservoir cap. Close the hood.



Replacement: brake discs – FIAT TEMPRA S.W. (159). Tip from AUTODOC experts:

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

WELL DONE! 

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