



How to change front
brake discs on **FORD**
Transit Mk6 Minibus
(V347, V348) –
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 Transit Mk6 Bus (V347, V348, FD, FB, FS, FZ, FC) 2.2 TDCi

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 Transit Mk6 Box (V347, V348, FA) 2.2 TDCi

REPLACEMENT: BRAKE DISCS – FORD TRANSIT MK6 MINIBUS (V347, V348). TOOLS YOU MIGHT NEED:



- Wire brush
- Nylon brush
- WD-40 spray
- All-purpose cleaning spray
- Brake cleaner
- Anti-squeal paste
- Ceramic grease
- Torque wrench
- 21 mm combination spanner
- 13 mm socket
- 15 mm socket
- 18 mm socket
- 36 mm socket
- T50 Torx bit
- 21 mm wheel impact socket
- Ratchet wrench or power tool for removal/installation of threaded fasteners
- Tommy bar
- Mounting lever
- Long nose pliers
- Telescoping magnetic pick-up tool
- Pin punch
- Hammer
- Transmission jack or a second vehicle jack
- Brake caliper wind back tool
- Car lift or jack with jack stands, and wheel chocks

Buy tools

Replacement: brake discs – FORD Transit Mk6 Minibus (V347, V348). AUTODOC recommends:

- Replace the brake discs and pads in axle sets, regardless of their condition. This will ensure even braking.
- The procedure for replacing the brake discs and pads is identical for both sides of the same axle.
- All the work should be carried out with the ignition switched off.

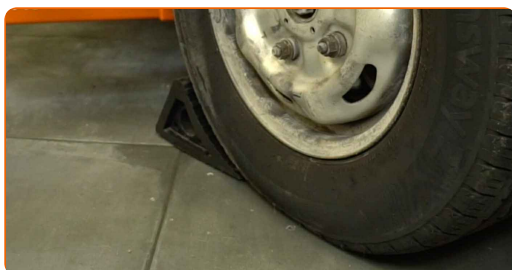
REPLACEMENT: BRAKE DISCS – FORD TRANSIT MK6 MINIBUS (V347, V348). TAKE THE FOLLOWING STEPS:

1 Open the bonnet.

2 Loosen the brake fluid reservoir cap.

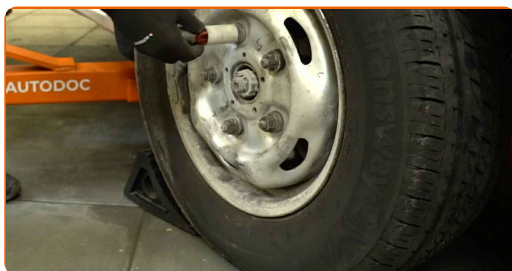


3 Secure the wheels with chocks.

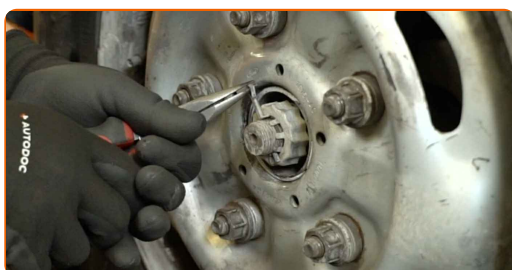


4 Remove the wheel centre cap.

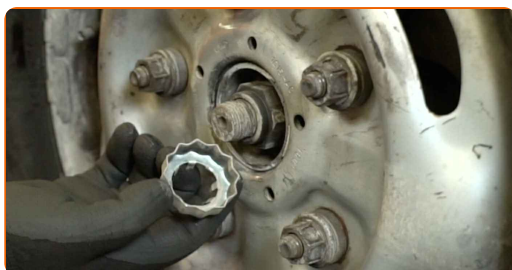
- 5 Loosen the wheel nuts. Use a 21 mm wheel impact socket. Use a tommy bar.



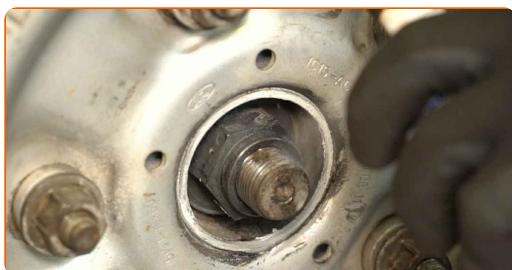
- 6 Remove the cotter pin that secures the axle fastener. Use a mounting lever. Use long nose pliers.



- 7 Remove the castle cover from the axle nut.



- 8 Clean the axle nut. Use a wire brush. Use WD-40 spray.



- 9 Loosen the axle nut. Use a 36 mm socket. Use a tommy bar.

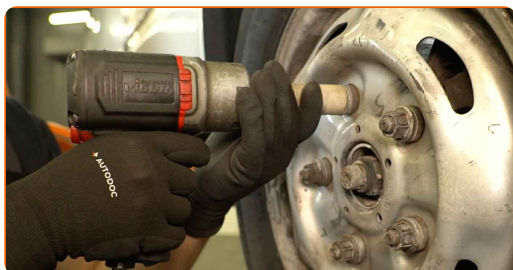


- 10 Raise the vehicle.

Replacement: brake discs – FORD Transit Mk6 Minibus (V347, V348). Tip from AUTODOC:

- If you are using a jack, make sure the car is parked on a hard, flat surface.
- Make sure to additionally secure the car with jack stands.

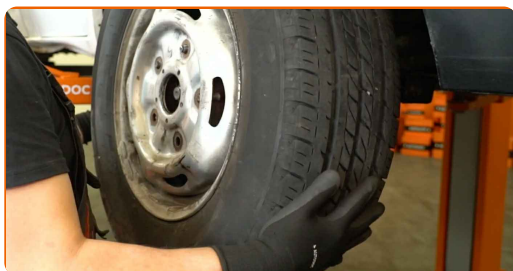
- 11 Unscrew the wheel nuts.



Caution!

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

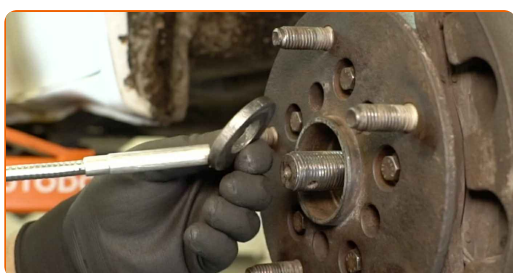
12 Remove the wheel.



13 Unscrew the axle nut. Use a 36 mm socket. Use a ratchet wrench.



14 Remove the axle washer. Use a telescoping magnetic pick-up tool.

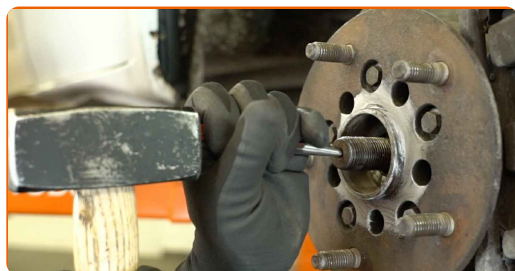


15 Jack up the suspension arm. Use a transmission jack or one more vehicle jack.



16

Detach the CV axle from the steering knuckle. Use a pin punch. Use a hammer.



17

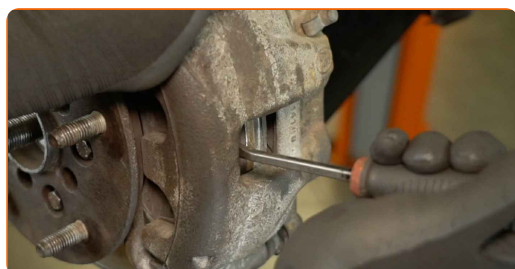
Remove the support from under the suspension arm.

Replacement: brake discs – FORD Transit Mk6 Minibus (V347, V348).
AUTODOC experts recommend:

- Make sure that the CV axle is not hanging down.

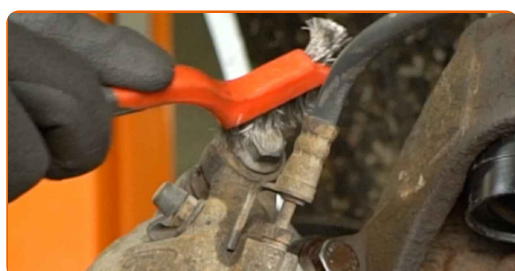
18

Spread the brake pads apart. Use a mounting lever.

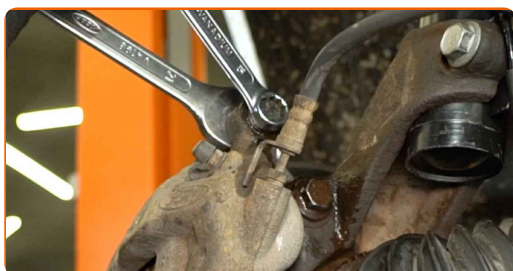


19

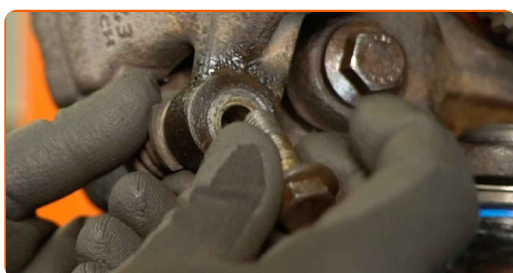
Clean the brake caliper fasteners. Use a wire brush. Use WD-40 spray.



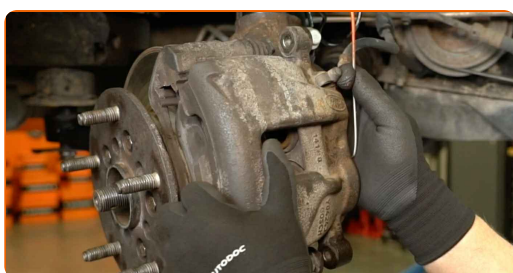
- 20** Unscrew the brake caliper fasteners. Use a 21 mm combination spanner. Use a 15 mm socket. Use a ratchet wrench.



- 21** Remove the fastening bolts.



- 22** Remove the brake caliper.



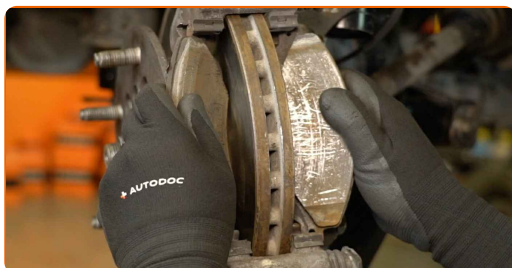
AUTODOC expert recommendation:

- Tie the caliper to the suspension or to the body with a wire without disconnecting it from the brake hose to avoid opening the brake line.
- Make sure that the brake caliper is not hanging from the brake hose.
- Do not press the brake pedal after the caliper has been removed. This may cause the piston to fall out of the caliper bore resulting in the brake fluid leakage and air entering the system.

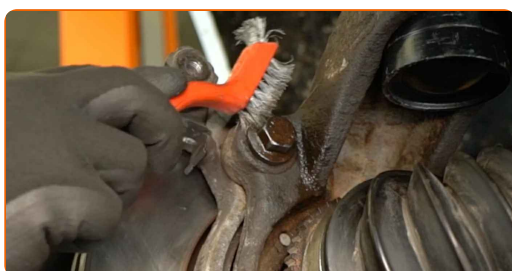
23 Disconnect the brake pad wear sensor. Use long nose pliers.

24 Detach the brake pad wear sensor connector.

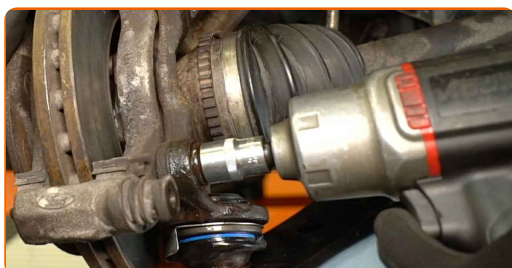
25 Remove the brake pads.



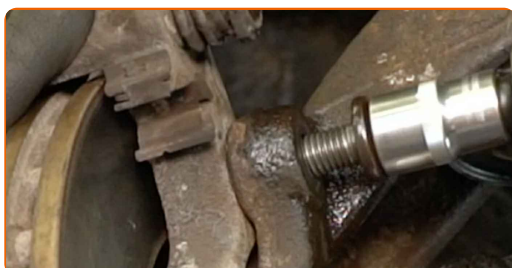
26 Clean the brake caliper bracket fasteners. Use a wire brush. Use WD-40 spray.



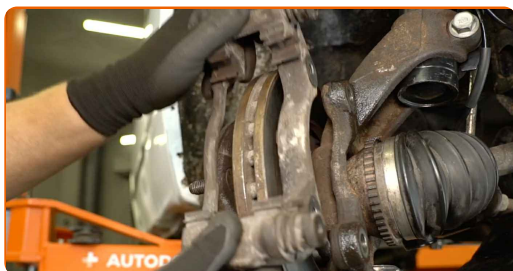
27 Unscrew the brake caliper bracket fasteners. Use an 18 mm socket. Use a tommy bar.



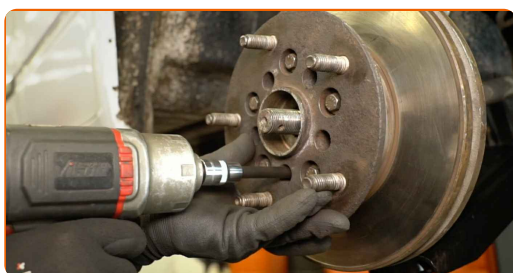
28 Remove the fastening bolts.



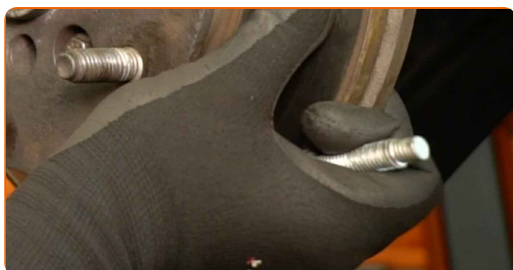
29 Remove the brake caliper bracket.



30 Unscrew the wheel bearing fasteners. Use a T50 Torx bit. Use a ratchet wrench.



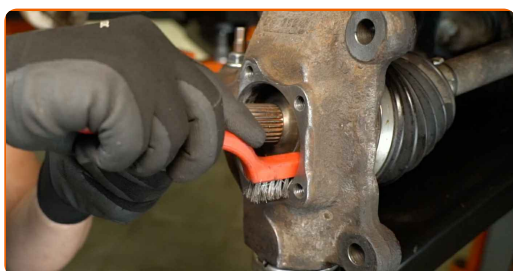
31 Remove the fastening bolts.



32 Remove the wheel hub together with the brake disc.

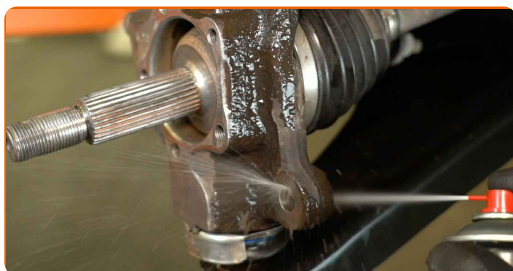


33 Clean the wheel bearing mounting seat. Use a wire brush. Use an all-purpose cleaning spray.



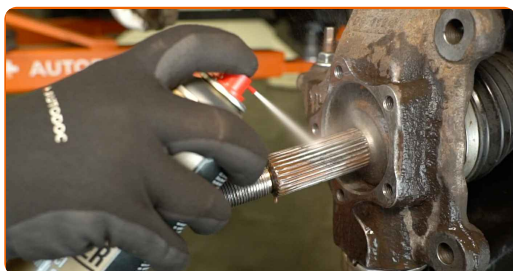
34

Clean the mounting seat of the brake caliper bracket. Use a wire brush. Use an all-purpose cleaning spray.



35

Clean the splines of the CV joint. Use a wire brush. Use an all-purpose cleaning spray.



36

Clean the brake caliper bracket and check its condition. Use a wire brush. Use a brake cleaner.



37

Install new brake pad anti-rattle clips.

Replacement: brake discs – FORD Transit Mk6 Minibus (V347, V348).
Professionals recommend:

- Check the brake caliper guide pins and boots. Clean them. Replace them if necessary.

38

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



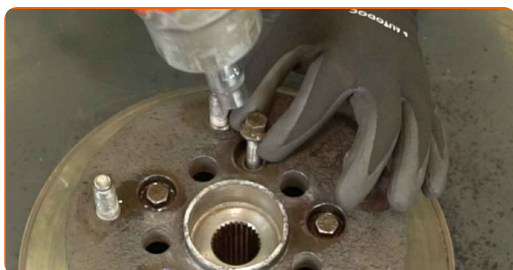
39

Unscrew the brake disc fasteners. Use a 13 mm socket. Use a ratchet wrench.



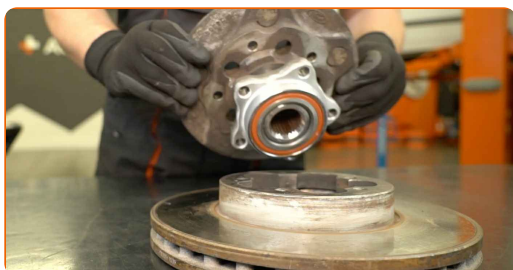
40

Remove the fastening bolts.



41

Detach the brake disc from the wheel hub.



42

Clean the brake disc surface that is in contact with the wheel rim. Use a wire brush.



43

Install a new brake disc on the wheel hub.



44

Install the fastening bolts.



45

Screw in the brake disc fasteners. Use a 13 mm socket. Use a ratchet wrench.



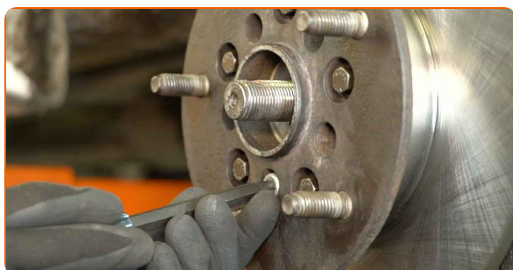
- 46 Treat the mounting surface on the wheel bearing. Use ceramic grease.



- 47 Install the wheel hub together with brake disc.



- 48 Install the fastening bolts.

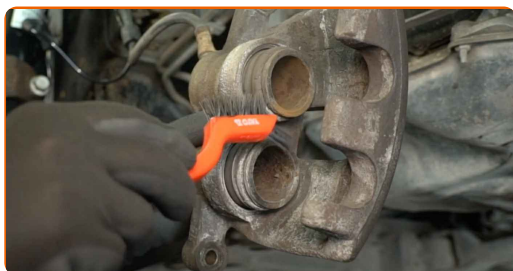


- 49 Tighten the wheel bearing fastening bolts. Use a T50 Torx bit. Use a torque wrench. Tightening torque: 53 N·m.



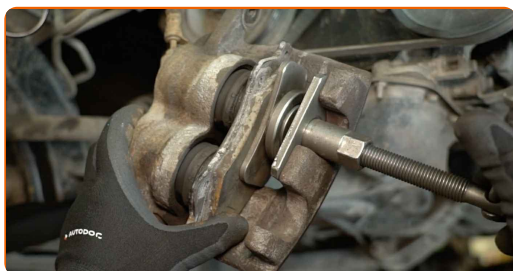
50

Clean the brake caliper pistons. Use a nylon brush. Use a brake cleaner.



51

Retract the brake caliper pistons. Use a brake caliper wind back tool.



52

Install the brake caliper bracket.

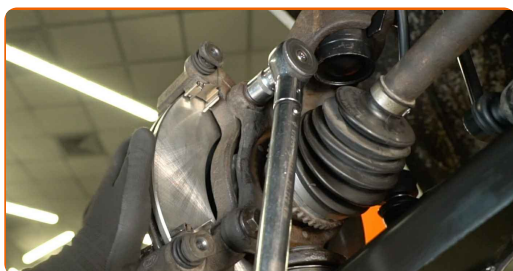


53

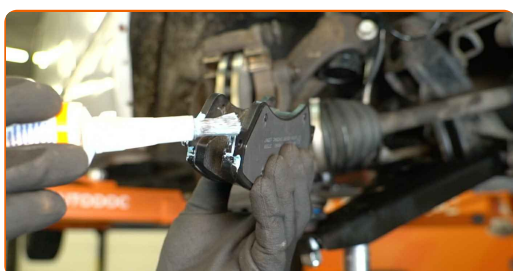
Install the fastening bolts.



- 54** Tighten the fasteners of the brake caliper bracket. Use an 18 mm socket. Use a torque wrench. Tightening torque: 175 N·m.



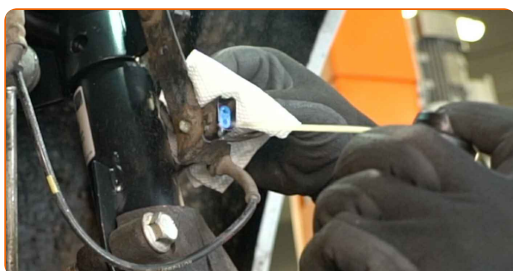
- 55** Treat the brake pads in the areas where they contact the brake caliper bracket. Use anti-squeal paste.



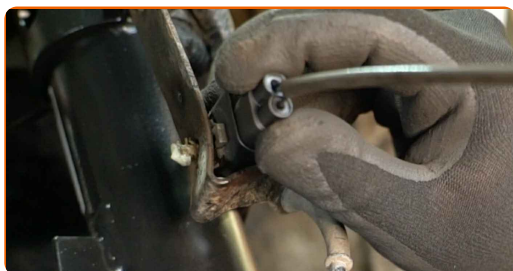
- 56** Install the brake pads.



- 57** Treat the brake pad wear sensor connector. Use an electronic spray.



58 Attach the connector of the brake pad wear sensor.

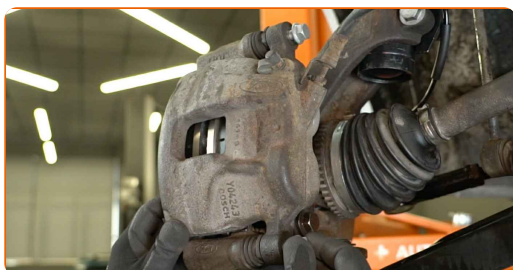


59 Attach the wear sensor to the inner pad.

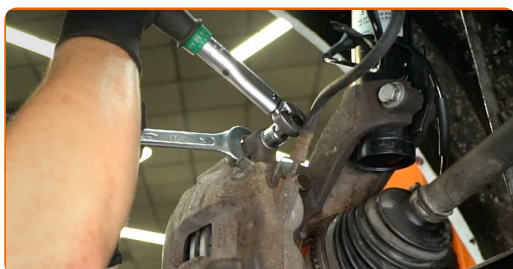
60 Install the brake caliper.



61 Install the fastening bolts.



62 Tighten the brake caliper fasteners. Use a 21 mm combination spanner. Use a 15 mm socket. Use a torque wrench. Tightening torque: 60 N·m.



63

Tighten the brake disc fasteners. Use a 13 mm socket. Use a torque wrench. Tightening torque: 80 N·m.



64

Remove the support from under the suspension arm.

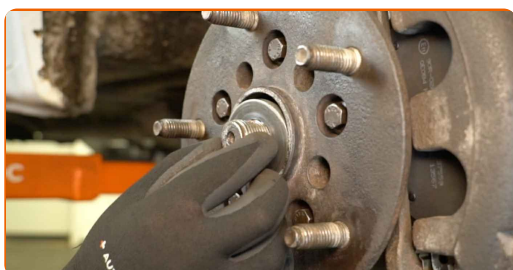


Replacement: brake discs – FORD Transit Mk6 Minibus (V347, V348).
AUTODOC recommends:

- Lower the transmission or vehicle jack smoothly without jerking it to avoid damaging the vehicle assemblies and mechanisms.
- When reassembling, use a new axle nut kit: a washer, a nut, a castle cover, and a cotter pin.

65

Install the axle washer.



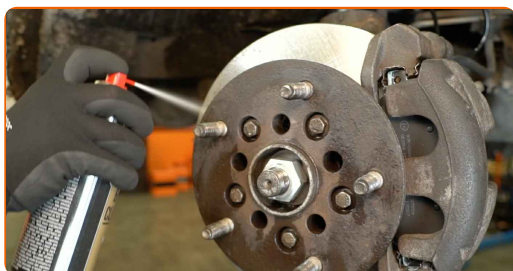
66

Screw on the axle nut. Use a 36 mm socket. Use a ratchet wrench.



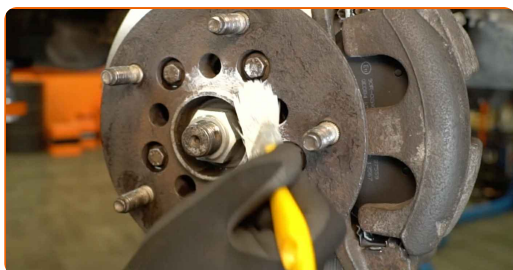
67

Clean the wheel rim mounting seat. Use a wire brush. Use an all-purpose cleaning spray.



68

Treat the wheel hub surface that contacts the wheel rim. Use ceramic grease.



69

Install the wheel.

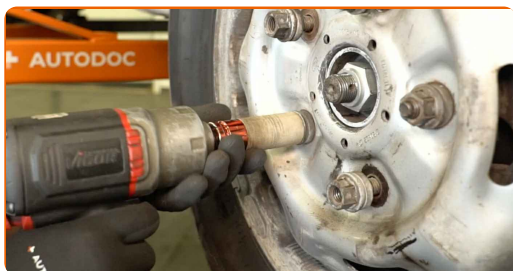


Caution!

- To avoid injury, hold up the wheel when screwing on the fastening nuts.

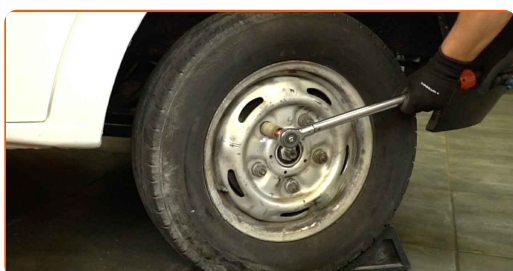
70

Screw on the wheel nuts. Use a 21 mm wheel impact socket. Use a ratchet wrench.



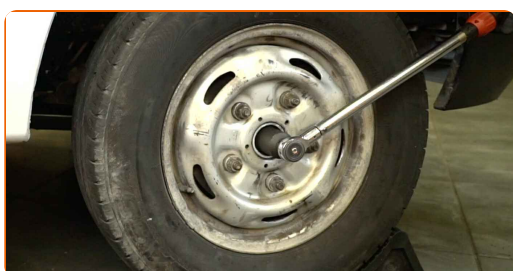
71

Lower the car and tighten the wheel nuts in a criss-cross pattern. Use a 21 mm wheel impact socket. Use a torque wrench. Tightening torque: 200 N·m.



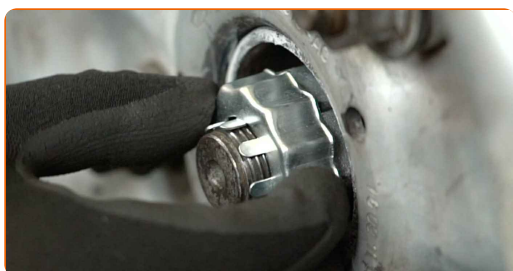
72

Tighten the axle nut. Use a 36 mm socket. Use a torque wrench. Tightening torque: 320 N·m.

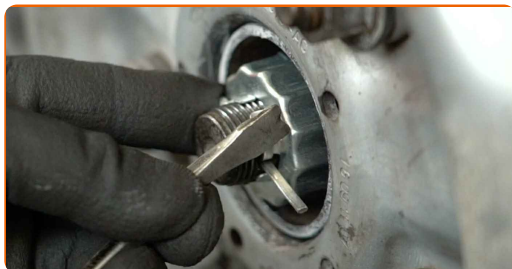


73

Install the castle cover on the axle nut.

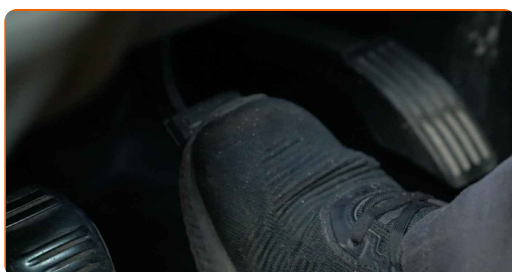


74 Install the cotter pin. Use a mounting lever.



75 Remove the jack, jack stands, and wheel chocks.

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



77 Check the brake fluid level in the reservoir and top up if necessary.



78 Tighten the brake fluid reservoir cap.



79

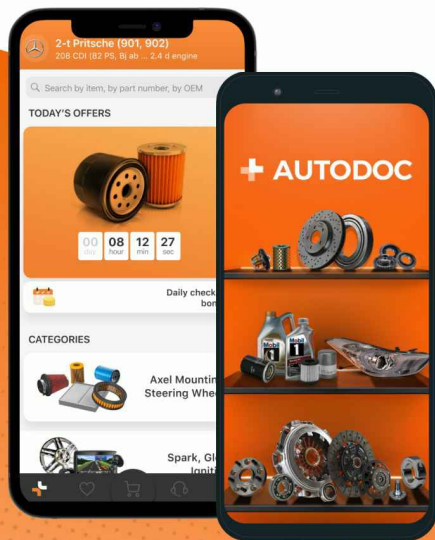
Close the bonnet.

WELL DONE! 

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