



How to change a front
wheel bearing on the
**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 Bus 2.2 TDCi, FORD TRANSIT Bus 2.2 TDCi RWD, FORD TRANSIT Bus 2.4 TDCi, FORD TRANSIT Bus 2.4 TDCi 4x4, FORD TRANSIT Bus 3.2 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 MK-7 Box 2.2 TDCi

REPLACEMENT: WHEEL BEARING – FORD TRANSIT MK6 MINIBUS (V347, V348). TOOLS YOU'LL NEED:



- Wire brush
- WD-40 spray
- All-purpose cleaning spray
- Ceramic grease
- Torque wrench
- 13 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
- Hydraulic press
- Bush and bearing driver set
- Bearing separator
- Transmission jack or a second vehicle jack
- Telescoping magnetic pick-up tool
- Mounting lever
- Long nose pliers
- Pin punch
- Hammer
- Car lift or jack with jack stands, and wheel chocks

Buy tools

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

- Do not re-use the bearing assembly you removed from your FORD Transit Mk6 Minibus (V347, V348) car.
- The wheel bearing replacement procedure is identical for both wheels on the same axle.
- All the work should be carried out with the ignition switched off.

CARRY OUT THE REPLACEMENT STEPS AS FOLLOWS:

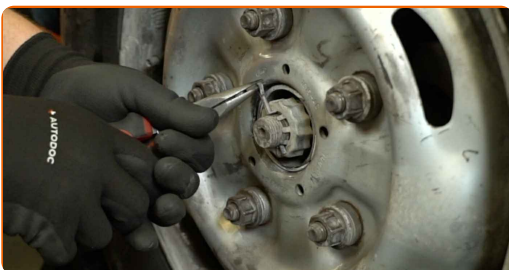
1 Secure the wheels with chocks.

2 Remove the wheel centre cap.

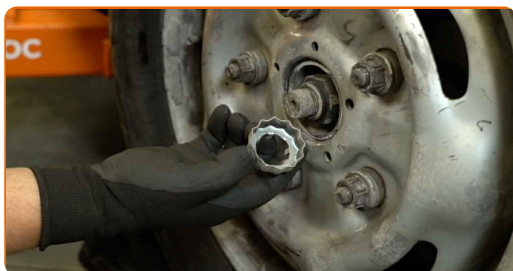
3 Loosen the wheel nuts. Use a 21 mm wheel impact socket. Use a tommy bar.



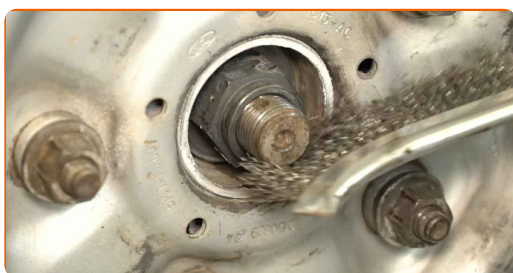
4 Remove the cotter pin that secures the axle fastener. Use a mounting lever. Use long nose pliers.



5 Remove the castle cover from the axle nut.



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



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



8 Raise the car.

Replacement: wheel bearing – FORD Transit Mk6 Minibus (V347, V348).
Professionals recommend:

- 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.

9

Unscrew the wheel nuts.



Caution!

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

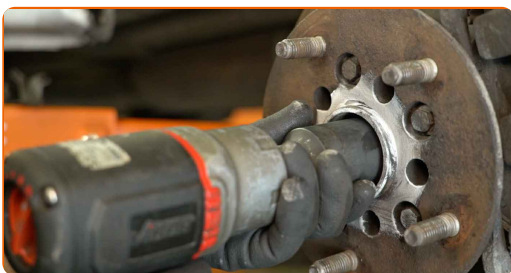
10

Remove the wheel.



11

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



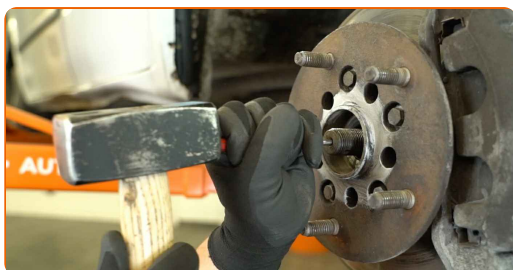
12 Remove the axle washer. Use a telescoping magnetic pick-up tool.



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



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



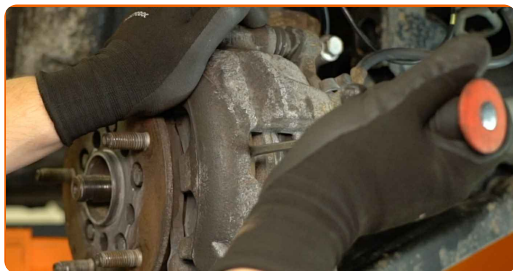
15 Remove the support from under the suspension arm.



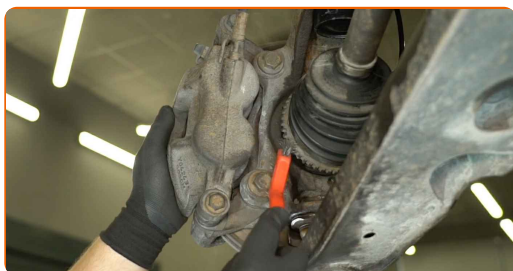
Caution!

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

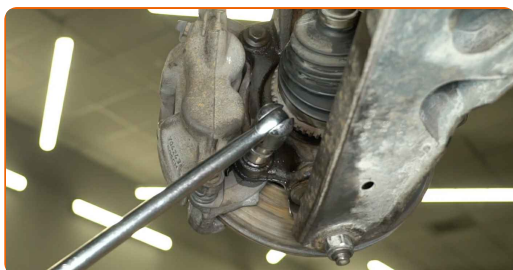
16 Spread the brake pads apart. Use a mounting lever.



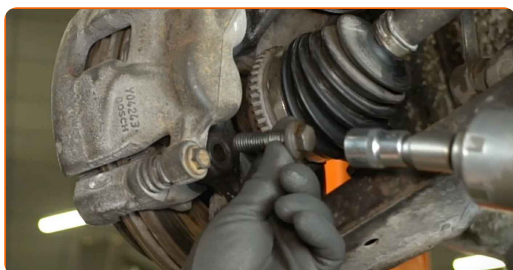
17 Clean the brake caliper bracket fasteners. Use a wire brush. Use WD-40 spray.



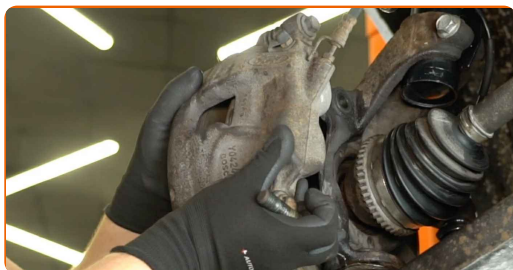
18 Unscrew the brake caliper bracket fasteners. Use an 18 mm socket. Use a tommy bar.



19 Remove the fastening bolts. Use a ratchet wrench.



20 Remove the brake caliper together with its bracket.



Replacement: wheel bearing – FORD Transit Mk6 Minibus (V347, V348).
 AUTODOC recommends:

- 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.

21

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



22

Remove the fastening bolts.

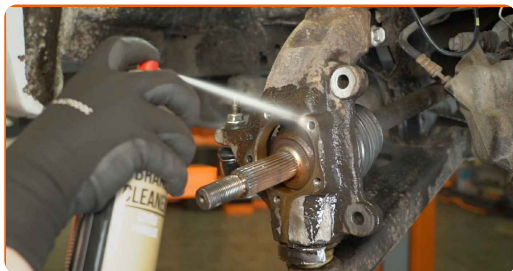
23

Remove the wheel hub together with the brake disc.



24

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



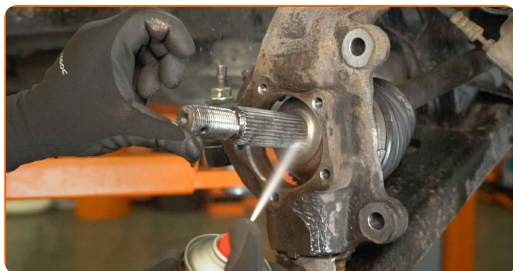
25

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



26

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



27

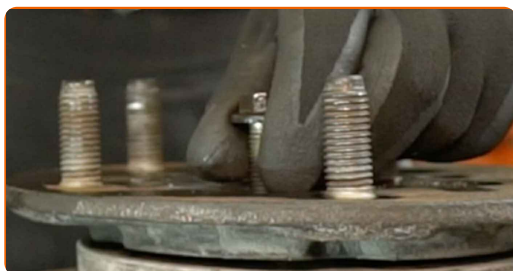
Clean the brake disc fasteners. Use a wire brush. Use WD-40 spray.



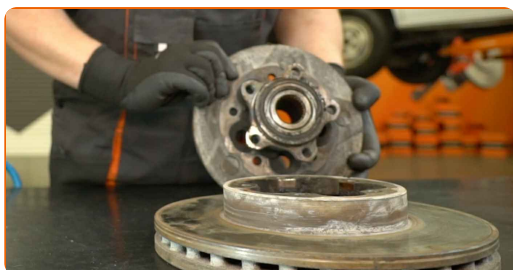
28 Unscrew the brake disc fasteners. Use a 13 mm socket. Use a ratchet wrench.



29 Remove the fastening bolts.



30 Detach the brake disc from the wheel hub.



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



- 32** Press the hub out of the bearing. At this stage, the inner race of the bearing and the cage with rollers will remain on the hub. Use a bush and bearing driver set and a hydraulic press.



- 33** Clean the grease from the inner part of the bearing that remains on the hub, using a cloth.



- 34** Press the hub out of the inner race of the bearing. Use a bush and bearing driver set. Use a bearing separator and a hydraulic press.



- 35** Clean the bearing mounting seat on the hub. Use a wire brush. Use an all-purpose cleaning spray.



36

Press the new bearing on the hub. Use a bush and bearing driver set and a hydraulic press.



Replacement: wheel bearing – FORD Transit Mk6 Minibus (V347, V348). Tip from AUTODOC experts:

- When pressing the wheel bearing on, check to make sure it is positioned correctly. Avoid any misalignment.

37

Install the brake disc on the wheel hub.



38

Install the fastening bolts.



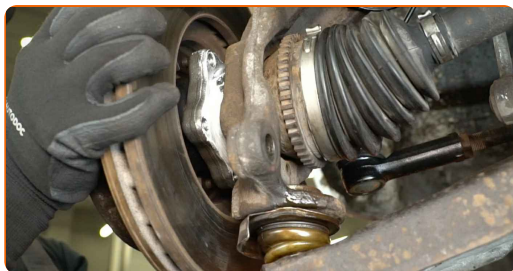
39 Screw in the brake disc fasteners. Use a 13 mm socket. Use a ratchet wrench.



40 Treat the mounting surface on the wheel bearing. Use ceramic grease.



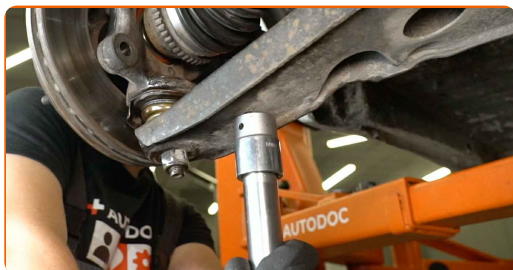
41 Install the wheel hub together with brake disc.



42 Install the fastening bolts.



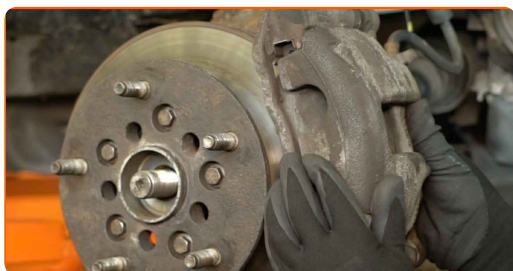
43 Jack up the suspension arm.



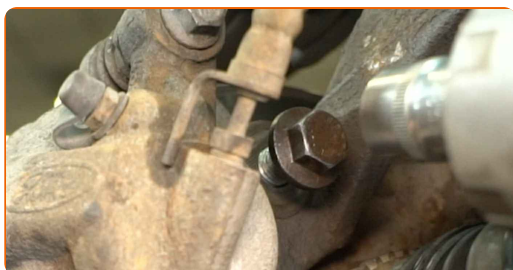
44 Tighten the wheel bearing fastening bolts. Use a T50 Torx bit. Use a torque wrench. Tightening torque: 53 N·m.



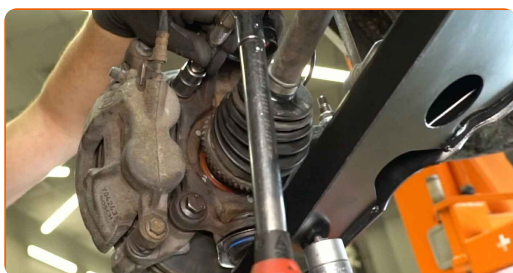
45 Install the brake caliper together with its bracket.



46 Install the fastening bolts.



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



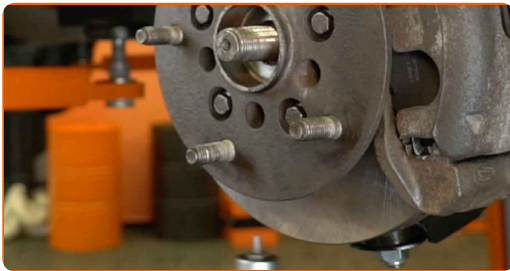
48

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



49

Remove the support from under the suspension arm.

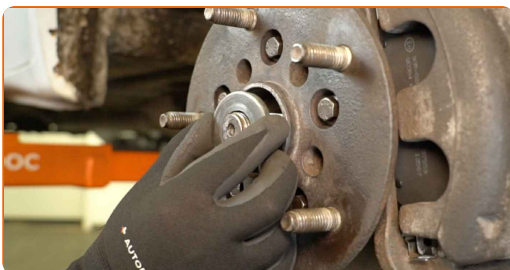


Important!

- 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.

50

Install the axle washer.



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



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



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



54 Install the wheel.

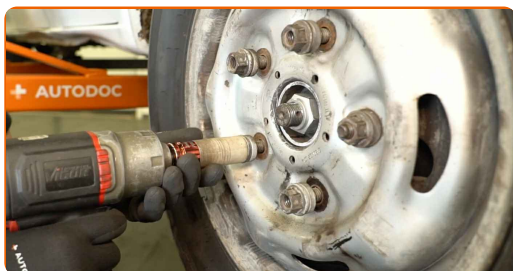


Replacement: wheel bearing – FORD Transit Mk6 Minibus (V347, V348). Tip:

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

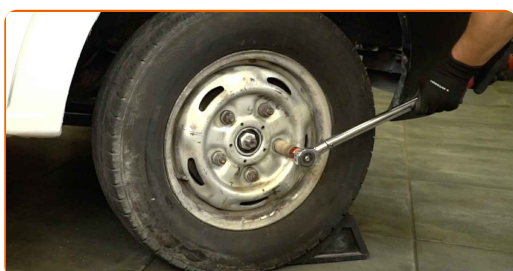
55

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



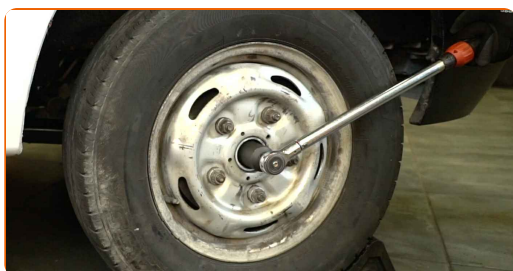
56

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



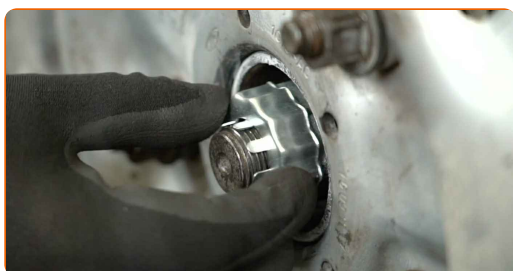
57

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



58

Install the castle cover on the axle nut.



59

Install the cotter pin. Use a mounting lever.

**60**

Install the wheel centre cap.

61

Remove the jack, jack stands, and wheel chocks.

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