



How to change front
wheel bearing on **FORD**
KA (RB_) – 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 KA (RB_) 1.6 i

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: WHEEL BEARING – FORD KA (RB_).
TOOLS YOU MIGHT NEED:**



- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Drive socket # 13
- Drive socket # 17
- Drive socket # 32
- Torx bit T50
- Wheel impact socket #19
- Ratchet wrench
- Torque wrench
- Hammer
- Crow bar
- Bush and bearing driver set
- Ball joint puller
- Wheel chock

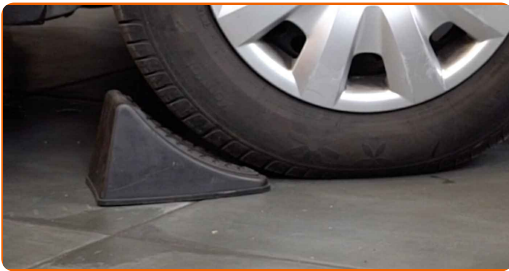
Buy tools

Replacement: wheel bearing – FORD KA (RB_). Professionals recommend:

- Do not re-use the bearing assembly of your FORD KA (RB_) car.
- The wheel hub bearing replacement procedure is identical for both wheels on the same axle.
- Please note: all work on the car – FORD KA (RB_) – should be done with the engine switched off.

CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:

1 Secure the wheels with chocks.



2 Loosen the wheel mounting bolts. Use wheel impact socket #19.



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

4

Unscrew the wheel bolts.



Replacement: wheel bearing – FORD KA (RB_). AUTODOC recommends:

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

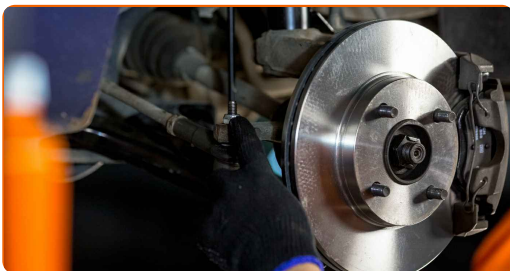
5

Remove the wheel.

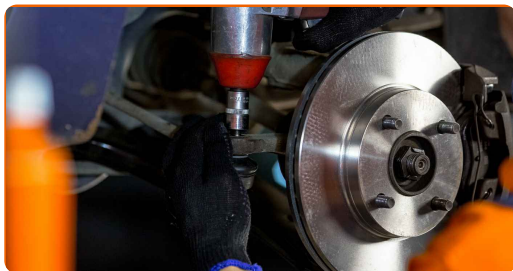


6

Clean the fastener connecting the tie rod end to the steering knuckle. Use a wire brush. Use WD-40 spray.



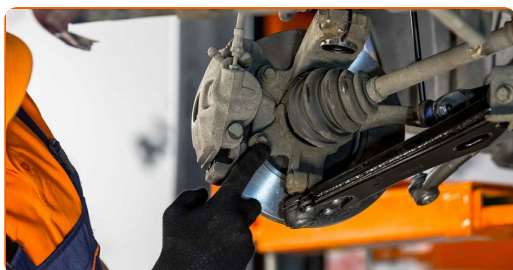
7 Unscrew the end fastening nut to the steering knuckle. Use a drive socket #17. Use a ratchet wrench.



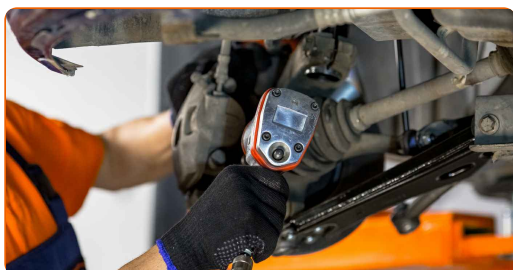
8 Disconnect the tie rod end from the steering knuckle. Use a ball joint puller.



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

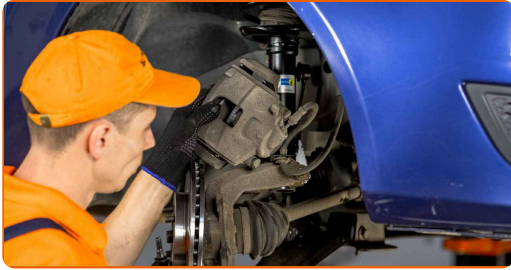


10 Unscrew the caliper bracket fastening. Use a drive socket #13. Use a ratchet wrench.



11

Remove the brake caliper together with its bracket.

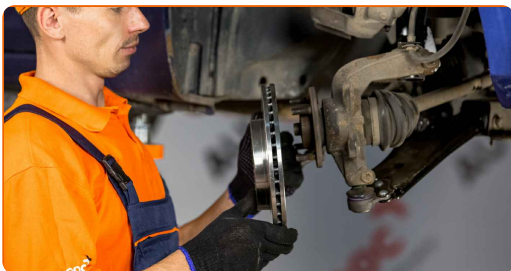


Replacement: wheel bearing – FORD KA (RB_). Tip from AUTODOC experts:

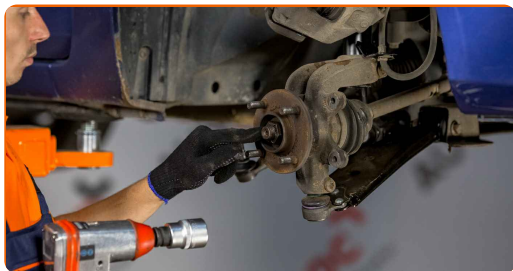
- Tie the caliper to the suspension or to the body with a wire without disconnecting from the brake hose to prevent depressurization of the brake system.
- Make sure that the brake caliper is not hanging on the brake hose.
- Don't press the brake pedal after the brake caliper has been removed. As a result,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

12

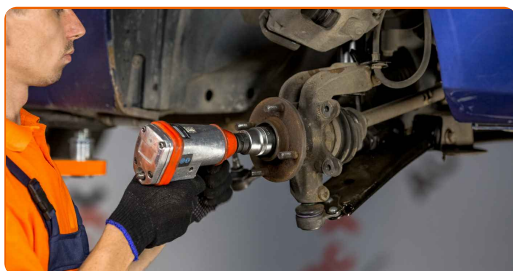
Remove the brake disc.



13 Clean the wheel hub fastener. Use a wire brush. Use WD-40 spray.



14 Unscrew the wheel hub axle nut. Use a drive socket #32.

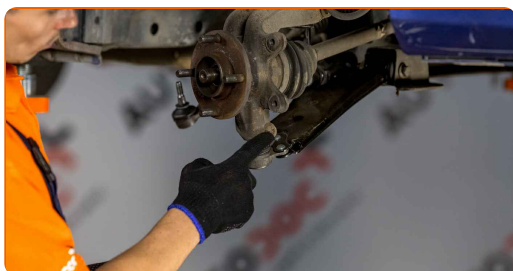


15 Remove the drive shaft. Use a hammer.

Replacement: wheel bearing – FORD KA (RB_). Tip from AUTODOC:

- Make sure that the drive shaft is not unloaded (when the car is jacked).

16 Clean the fastener connecting the ball joint to the steering knuckle. Use a wire brush. Use WD-40 spray.



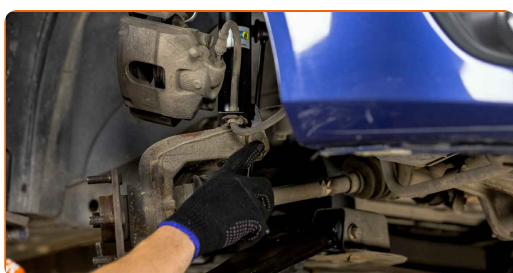
- 17** Unscrew the ball joint fastening to the steering knuckle. Use Torx T50. Use a drive socket #17. Use a ratchet wrench.



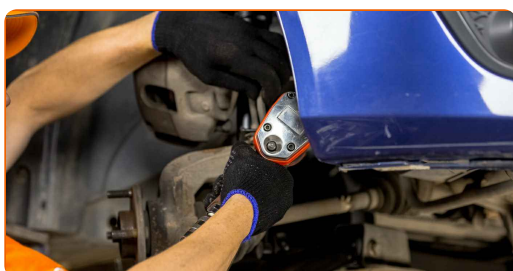
- 18** Remove the fastening bolt. Use a hammer.



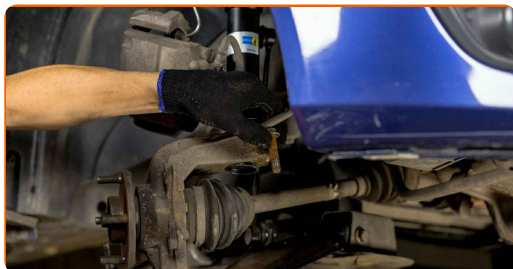
- 19** Clean the fasteners connecting the shock strut to the steering knuckle. Use a wire brush. Use WD-40 spray.



- 20** Unscrew the lower fastener connecting the shock strut to the steering knuckle. Use a drive socket #15. Use a ratchet wrench.



21 Remove the fastening bolt.



22 Disconnect the lower arm from the steering knuckle. Use a crowbar.



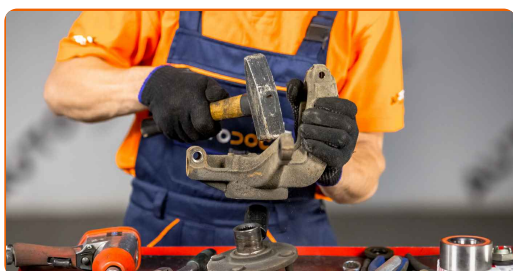
23 Disconnect the steering knuckle from the shock absorber strut. Use a hammer.



24 Remove the steering knuckle together with the hub.



25 Press the wheel hub out from the tapered roller bearing. Use a bush and bearing driver set. Use a hammer.



26 Press out the wheel hub bearing. Use a bush and bearing driver set.



27 Clean the hub bearing mounting seat. Use a wire brush. Use WD-40 spray.

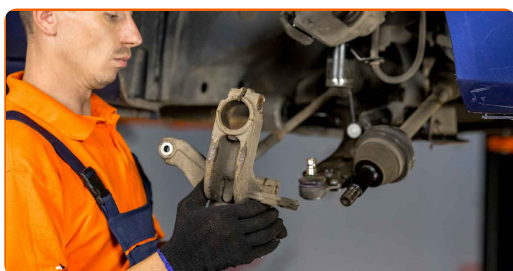
28 Press the new bearing in the steering knuckle. Use a bush and bearing driver set. Use a hammer.



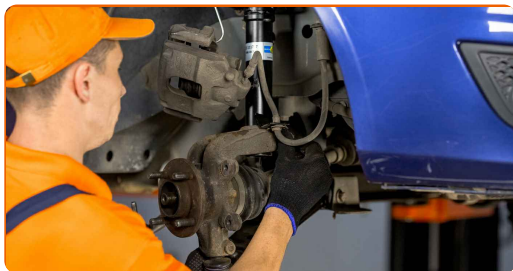
29 Press the wheel hub into the bearing inner race. Use a bush and bearing driver set.



30 Install the steering knuckle with a hub in assembly.



31 Mount the drive shaft into the wheel hub.



32 Fix the shock absorber strut on the steering knuckle.

33 Connect the lower arm to the steering knuckle. Use a hammer.

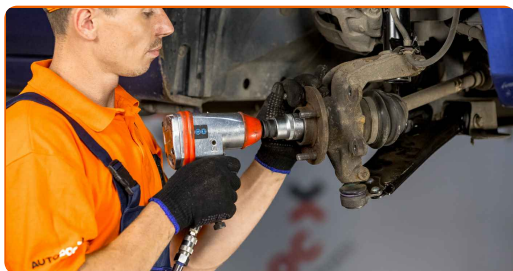


34 Install the fastening bolts.

35 Tighten the lower fasteners connecting the shock strut to the steering knuckle. Use a drive socket #15. Use a torque wrench. Tighten it to 90 Nm torque.



36 Tighten the hub. Use a drive socket #32. Use a torque wrench. Tighten it to 290 nm torque.



- 37 Tighten the ball joint fastener. Use Torx T50. Use a drive socket #17. Use a torque wrench. Tighten it to 48 nm torque.



- 38 Install the brake disc.



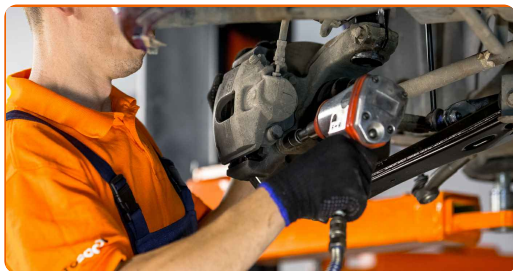
- 39 Clean the mounting seats of the caliper and its bracket. Use a wire brush. Use WD-40 spray.



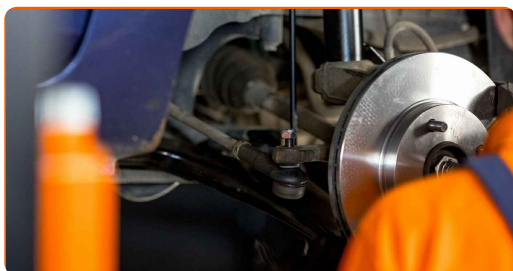
- 40 Install the brake caliper together with its bracket.



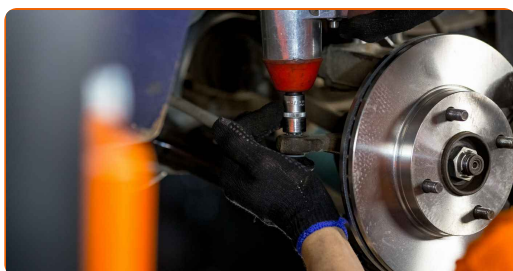
41 Tighten the brake caliper bracket. Use a drive socket #13. Use a torque wrench. Tighten it to 65 Nm torque.



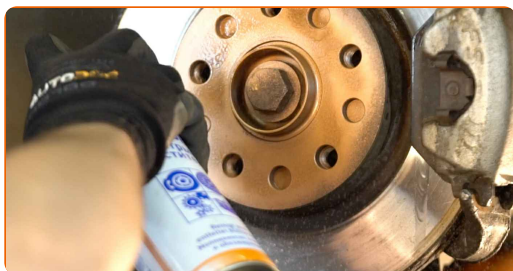
42 Connect the tie rod end to the steering knuckle.



43 Tighten the fastening nut connecting the tie rod end to the steering knuckle. Use a drive socket #17. Use a torque wrench. Tighten it to 48 nm torque.



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



45

Clean the brake disk surface. Use a brake cleaner.



AUTODOC recommends:

- Replacement: wheel bearing – FORD KA (RB_). After applying the spray, wait a few minutes.

46

Install the wheel.



Replacement: wheel bearing – FORD KA (RB_). AUTODOC experts recommend:

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

47

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



48

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.

49

Remove the jacks and chocks.



WELL DONE! 

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WHEEL BEARING: A WIDE SELECTION

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