



How to change front
wheel bearing on **FORD**
C-MAX (DM2) –
replacement guide

SIMILAR VIDEO TUTORIAL



This video shows the replacement procedure of a similar car part on another vehicle

Important!

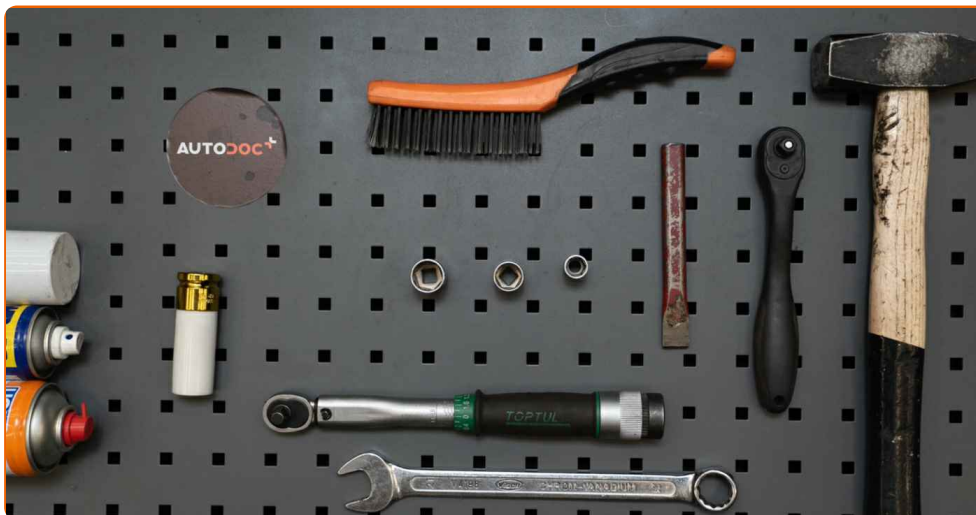
This replacement procedure can be used for:

FORD C-MAX (DM2) 1.8, FORD C-MAX (DM2) 2.0 TDCi, FORD C-MAX (DM2) 1.6 TDCi, FORD C-MAX (DM2) 1.6, FORD C-MAX (DM2) 1.8 Flexifuel, FORD C-MAX (DM2) 2.0, FORD C-MAX (DM2) 1.8 TDCi, FORD C-MAX (DM2) 2.0 CNG, FORD C-MAX (DM2) 2.0 LPG

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 Focus II Saloon (DB_, FCH, DH) 1.6 TDCi

REPLACEMENT: WHEEL BEARING – FORD C-MAX (DM2). TOOLS YOU NEED:



- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Torque wrench
- Combination spanner #21
- Drive socket # 12
- Drive socket # 15
- Drive socket # 17
- Wheel impact socket #19
- Ratchet wrench
- Tap wrench
- Crow bar
- Bush and bearing driver set
- Hammer
- Pin punch
- Flat chisel
- Ball joint puller
- Wheel chock

Buy tools

Replacement: wheel bearing – FORD C-MAX (DM2). AUTODOC recommends:

- Do not re-use the bearing assembly of your FORD C-MAX (DM2) car.
- The wheel hub bearing replacement procedure is identical for both wheels on the same axle.
- All work should be done with the engine stopped.

REPLACEMENT: WHEEL BEARING – FORD C-MAX (DM2). TAKE THE FOLLOWING STEPS:

1 Secure the wheels with chocks.

2 Loosen the wheel mounting bolts. Use a drive socket #19.



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

4 Unscrew the wheel bolts.



AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while unscrewing the fastening bolts.
FORD C-MAX (DM2)

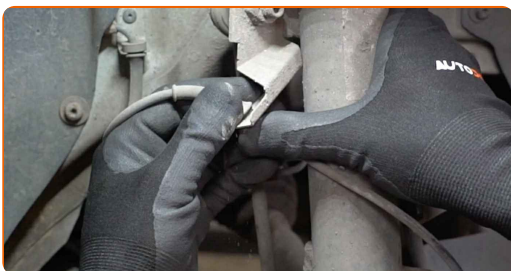
5

Remove the wheel.



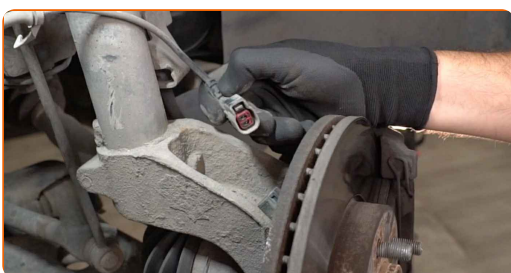
6

Disconnect the ABS sensor wiring.



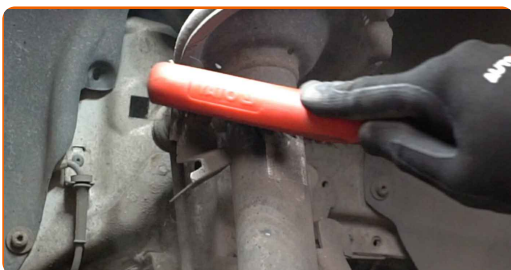
7

Detach the ABS sensor connector.



8

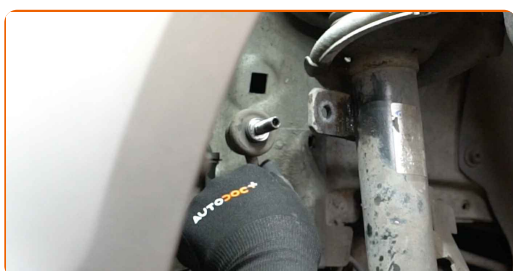
Clean the stabiliser link fasteners. Use a wire brush. Use WD-40 spray.



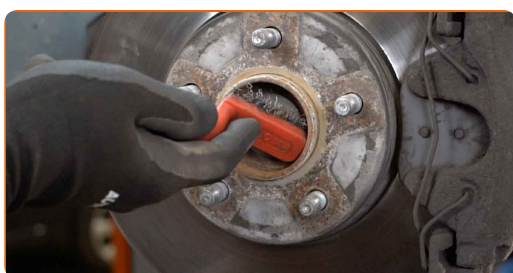
- 9 Unscrew the fastener connecting the stabilizer link to the shock strut. Use a drive socket #17. Use a ratchet wrench.



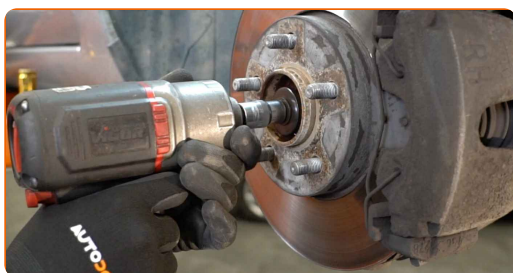
- 10 Remove the stabilizer rod.



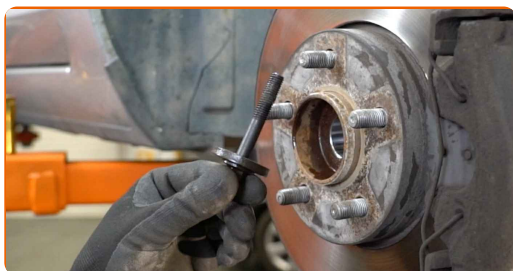
- 11 Clean the fastener of the driveshaft. Use a wire brush. Use WD-40 spray.



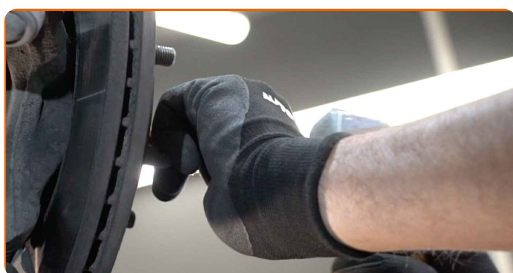
- 12 Loosen the fastener of the driveshaft. Use a drive socket #12. Use a tap wrench.



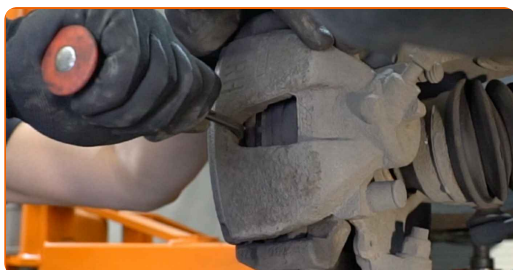
13 Remove the fastening bolt.



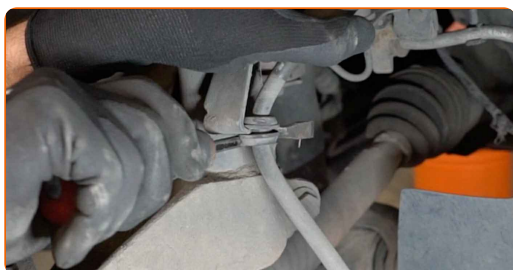
14 Detach the driveshaft from the steering knuckle. Use a pin punch. Use a hammer.



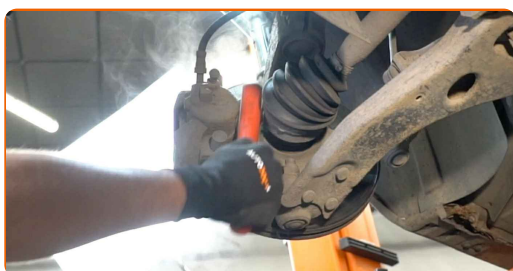
15 Spread the brake pads. Use a crowbar.



16 Detach the brake hose from the shock strut. Use a crowbar.

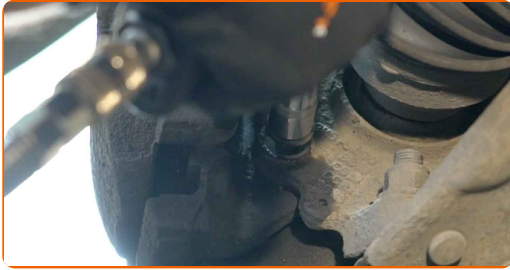


17 Clean the brake caliper bracket fasteners. Use a wire brush. Use WD-40 spray.



18

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



19

Remove the brake caliper together with its bracket.



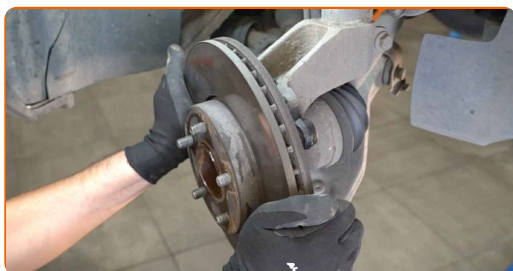
Replacement: wheel bearing – FORD C-MAX (DM2). Tip from AUTODOC:

- 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.

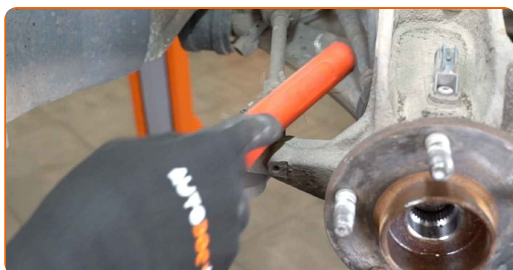
20 Clean the brake disc fasteners. Use a wire brush. Use WD-40 spray.



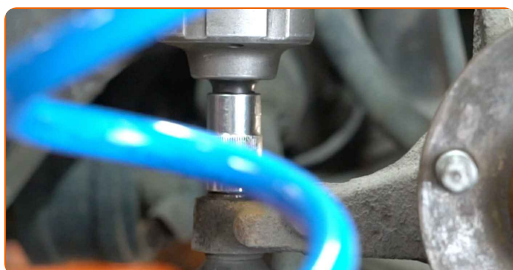
21 Remove the brake disc.



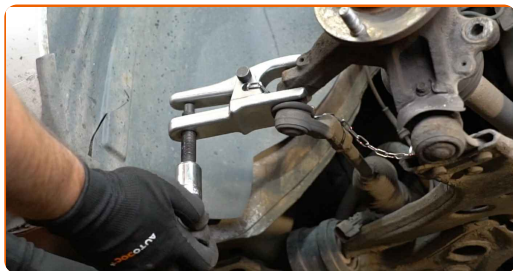
22 Clean the fastener connecting the tie rod end to the steering knuckle. Use a wire brush. Use WD-40 spray.



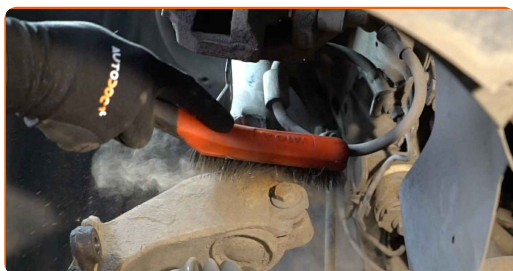
23 Unscrew the end fastening nut to the steering knuckle. Use a drive socket #15. Use a ratchet wrench.



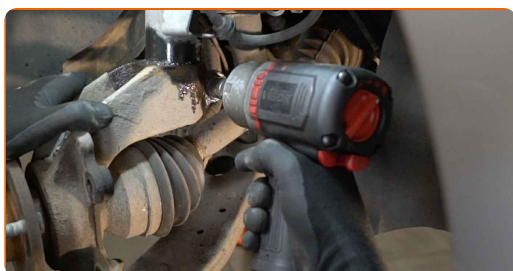
24 Disconnect the tie rod end from the steering knuckle. Use a ball joint puller.



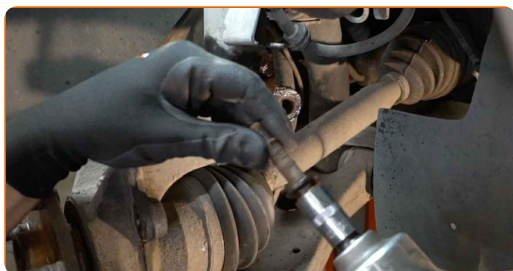
25 Clean the fasteners connecting the shock strut to the steering knuckle. Use a wire brush. Use WD-40 spray.



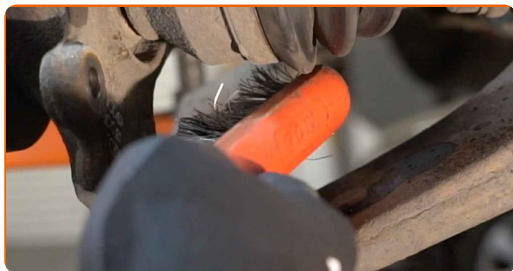
26 Unscrew the lower fastener connecting the shock strut to the steering knuckle. Use a drive socket #15. Use a ratchet wrench.



27 Remove the fastening bolt.



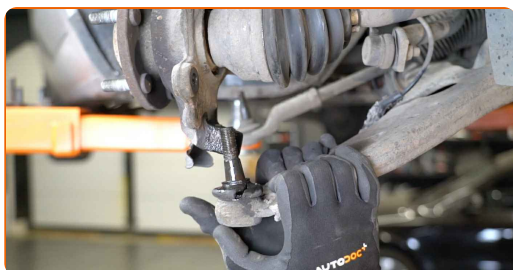
28 Clean the fastener that connects the ball joint to the steering knuckle. Use a wire brush. Use WD-40 spray.



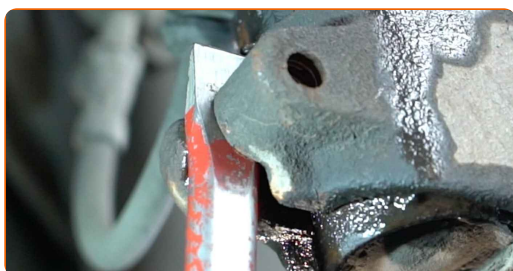
29 Unscrew the fastener connecting the ball joint to the steering knuckle. Use a combination spanner #21.



30 Disconnect the ball joint from the steering knuckle. Use a ball joint puller.



31 Release the lower fastener connecting the shock strut to the steering knuckle. Use a flat metal-working chisel. Use a hammer.



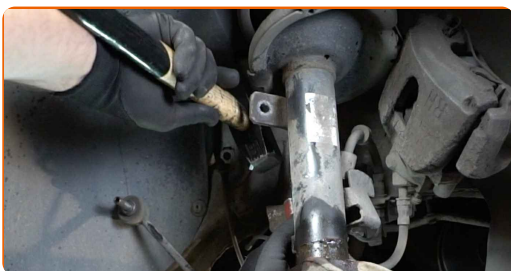
32 Remove the drive shaft.



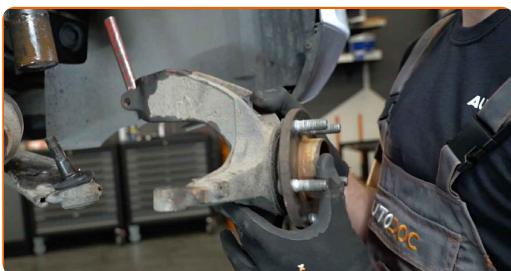
Replacement: wheel bearing – FORD C-MAX (DM2). Tip:

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

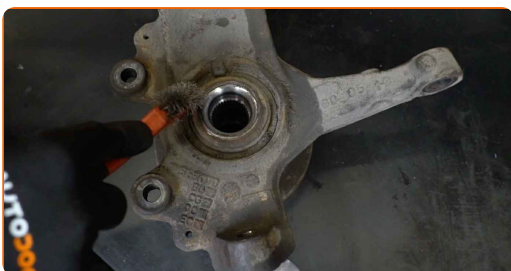
33 Disconnect the steering knuckle from the shock absorber strut. Use a hammer.



34 Remove the steering knuckle together with the hub.



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



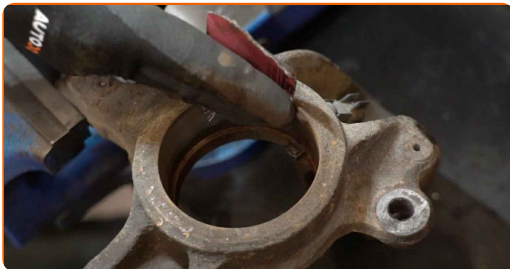
36

Remove the hub and the bearing together, since they are a sealed unit. Use a bush and bearing driver set.



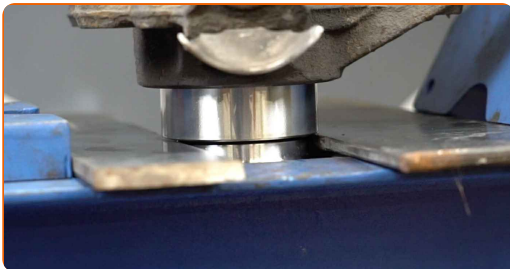
37

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



38

Install the new wheel hub with a bearing. Use a bush and bearing driver set.

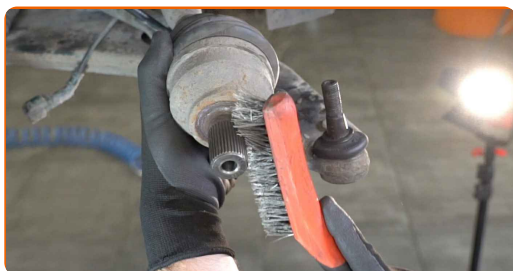


Replacement: wheel bearing – FORD C-MAX (DM2). Tip from AUTODOC:

- Make sure that the wheel hub is positioned correctly. Avoid any misalignment.
- Stop pressing on the surface of the bearing immediately after it has been fitted into its mounting seat.

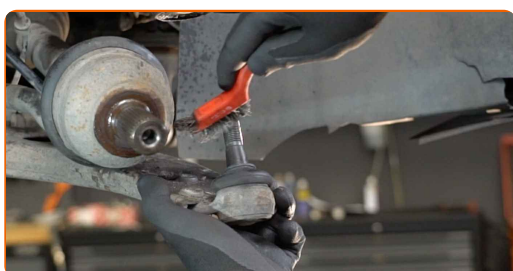
39

Clean the splines of the drive shaft CV joint. Use a wire brush. Use WD-40 spray.



40

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



41

Install the steering knuckle with a hub in assembly.

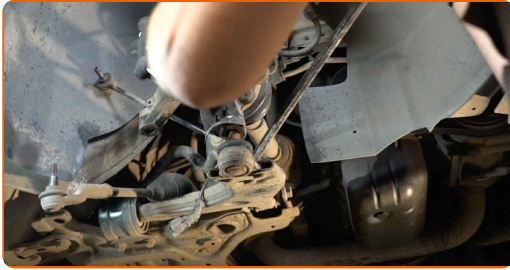


42

Install the drive shaft.



43 Connect the ball joint to the steering knuckle. Use a crowbar.

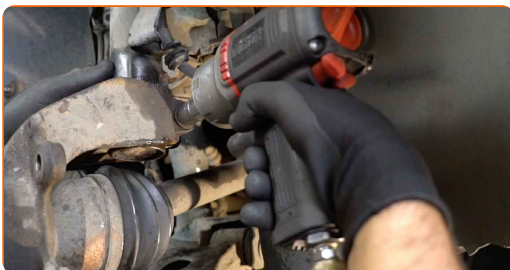


44 Fix the shock absorber strut on the steering knuckle.

45 Install the fastening bolt.

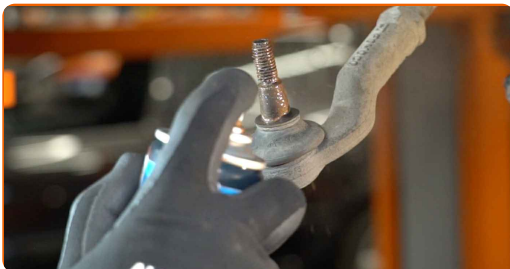


46 Screw in the fastener that connects the shock strut to the steering knuckle. Use a drive socket #15. Use a ratchet wrench.



47 Screw the fastener connecting the ball joint to the steering knuckle. Use a combination spanner #21.

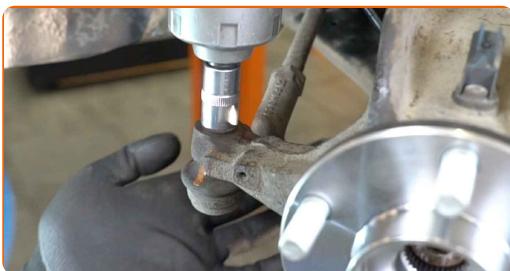
48 Clean the mounting seats of the tie rod end. Use a wire brush. Use WD-40 spray.



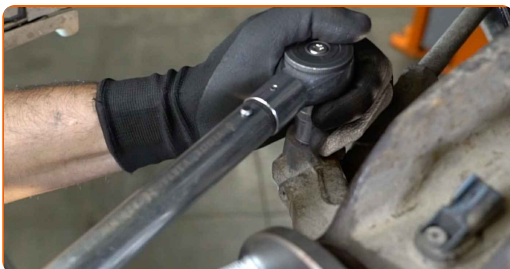
49 Connect the tie rod end to the steering knuckle.



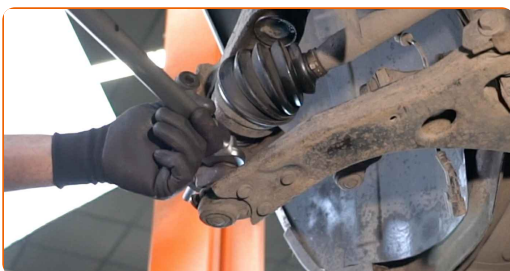
50 Screw on the fastening nut that connects the tie rod end to the steering knuckle. Use a drive socket #15. Use a ratchet wrench.



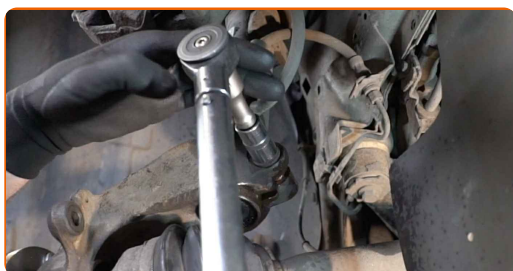
51 Tighten the fastening nut connecting the tie rod end to the steering knuckle. Use a drive socket #15. Use a torque wrench. Tighten it to 48 Nm torque.



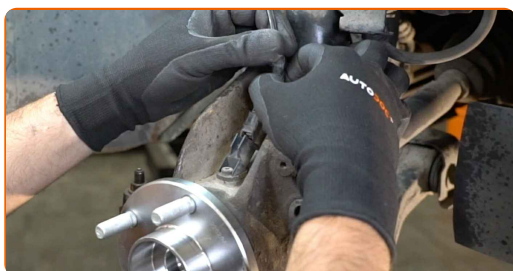
52 Tighten the ball joint fastener. Use a combination spanner #21. Use a torque wrench. Tighten it to 70 Nm torque.



- 53** 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.



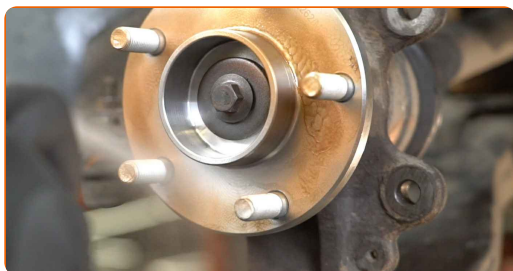
- 54** Attach the ABS sensor connector.



- 55** Install and tighten the drive shaft bolt. Use a drive socket #12. Use a ratchet wrench.



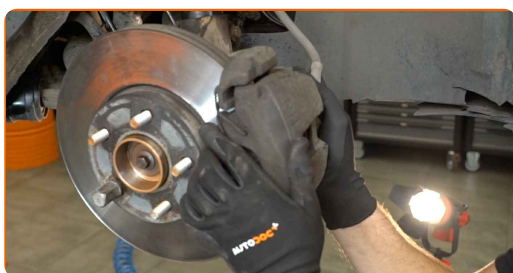
- 56** Clean the hub. Treat the contacting surface. Use copper grease.



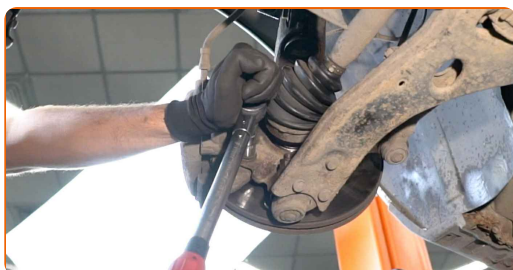
57 Install the brake disc.



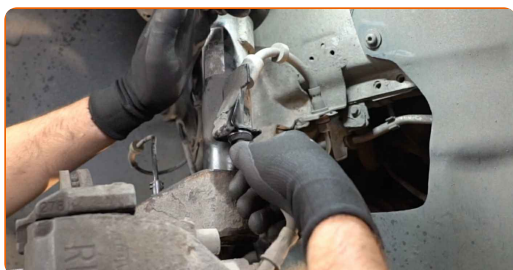
58 Install the brake caliper together with its bracket.



59 Tighten the brake caliper bracket. Use a drive socket #15. Use a torque wrench. Tighten it to 90 Nm torque.



60 Attach the brake hose.

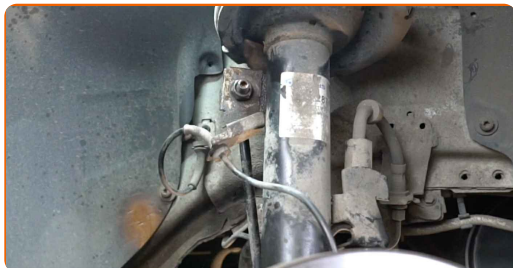


61 Clean the mounting seats of the stabiliser link. Use a wire brush. Use WD-40 spray.

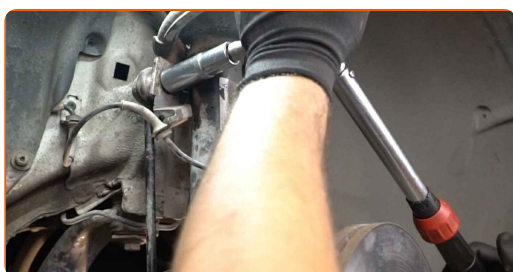


62 Install the transverse stabilizer link.

63 Connect the ABS sensor wiring.



64 Tighten the fastener connecting the stabilizer link to the shock strut. Use a drive socket #17. Use a torque wrench. Tighten it to 48 Nm torque.



65 Treat the shock strut fasteners. Treat the fastener connecting the tie rod end to the steering knuckle. Treat the fasteners of the ball joint. Use copper grease.

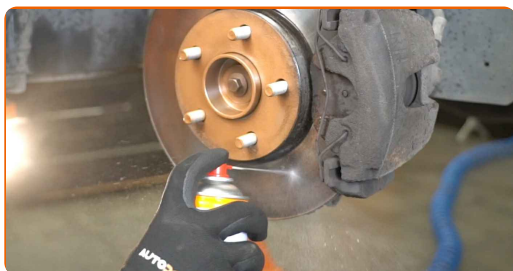


66 Treat the surface where the brake disc contacts the wheel rim. Use copper grease.



67

Clean the brake disk surface. Use a brake cleaner.



AUTODOC recommends:

- Replacement: wheel bearing – FORD C-MAX (DM2). After applying the spray, wait a few minutes.

68

Install the wheel.

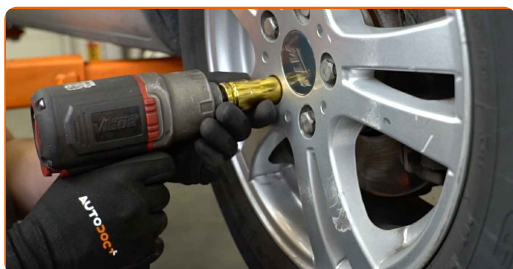


AUTODOC recommends:

- Important! Hold the wheel while unscrewing the fastening bolts. FORD C-MAX (DM2)

69

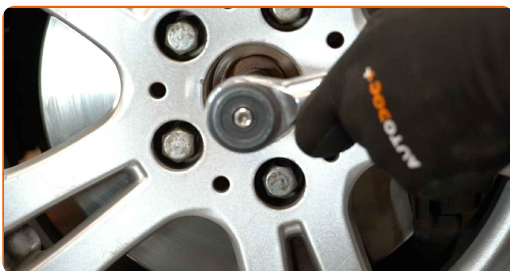
Screw in the wheel bolts. Use wheel impact socket #19.



70 Lower the car.



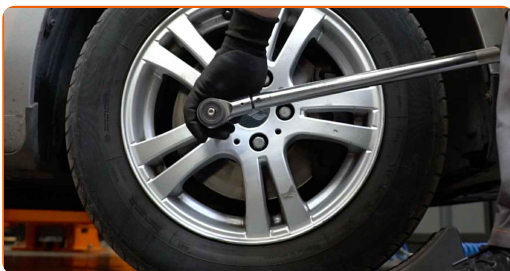
71 Tighten the bolt connecting the drive shaft to the wheel hub. Use a drive socket #12. Use a torque wrench. Tighten it to 45 Nm torque.+90°



AUTODOC recommends:

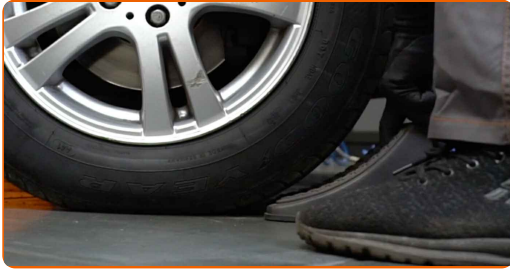
- Important! Be sure to use new fasteners.

72 Tighten the wheel bolts using a criss-cross pattern. Use wheel impact socket #19. Use a torque wrench. Tighten it to 120 Nm torque.



73

Remove the jacks and chocks.



WELL DONE! 

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