



How to change front
wheel bearing on **FORD**
MONDEO III (B5Y) –
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 MONDEO III (B5Y) 1.8 16V, FORD MONDEO III (B5Y) 2.0 16V, FORD MONDEO III (B5Y) 2.5 V6 24V, FORD MONDEO III (B5Y) 2.0 16V DI / TDDi / TDCi, FORD MONDEO III (B5Y) 2.0 16V TDDi / TDCi, FORD MONDEO III (B5Y) 2.0 TDCi, FORD MONDEO III (B5Y) ST220, FORD MONDEO III (B5Y) 1.8 SCi, FORD MONDEO III (B5Y) 2.2 TDCi, FORD MONDEO III (B5Y) 3.0 V6 24V

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 MONDEO III Saloon (B4Y) 2.0 16V

REPLACEMENT: WHEEL BEARING – FORD MONDEO III (B5Y). TOOLS YOU MIGHT NEED:



- Wire brush
- Nylon cleaning brush
- WD-40 spray
- Brake cleaner
- All-purpose cleaning spray
- Electronic spray
- Copper grease
- Torque wrench
- Combination spanner #17
- Drive socket # 15
- Drive socket # 17
- Drive socket # 32
- Shock absorber socket
- Bush and bearing driver set
- Wheel impact socket #19
- Ratchet wrench
- Tap wrench
- Hammer
- Pin punch
- Ball joint puller
- Universal puller
- Crow bar
- Wheel chock

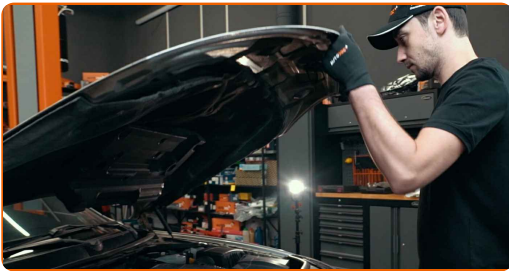
Buy tools

AUTODOC recommends:

- Do not re-use the bearing assembly of your FORD MONDEO III (B5Y) car.
- The wheel hub bearing replacement procedure is identical for both wheels on the same axle.
- Please note: all work on the car – FORD MONDEO III (B5Y) – should be done with the engine switched off.

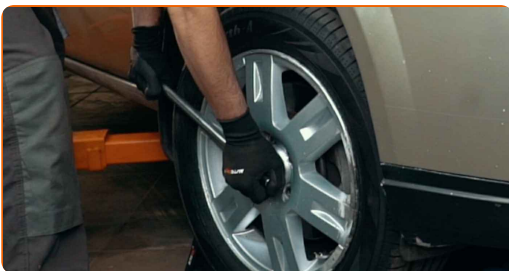
CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:

1 Open the bonnet. Unscrew the brake fluid reservoir cap.



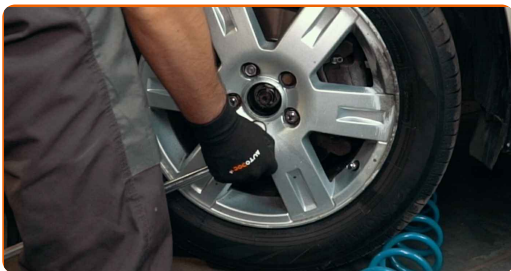
2 Clean the fastener of the driveshaft. Use WD-40 spray.

3 Loosen the fastener of the driveshaft. Use a drive socket #32. Use a tap wrench.



4 Secure the wheels with chocks.

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



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



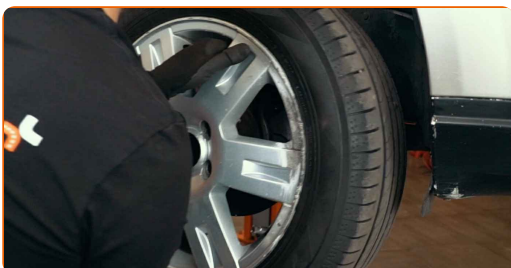
7 Unscrew the wheel bolts.



AUTODOC recommends:

- Important! Hold the wheel while unscrewing the fastening bolts. FORD MONDEO III (B5Y)

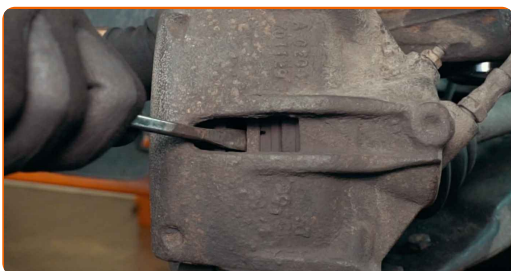
8 Remove the wheel.



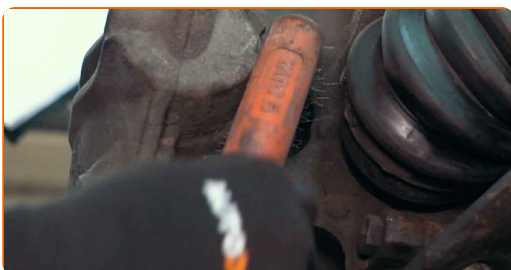
9 Remove the fastening nut.



10 Spread the brake pads. Use a crowbar.



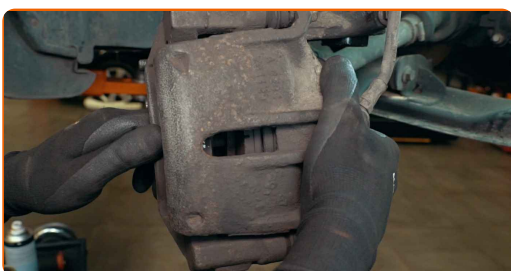
11 Clean the brake caliper bracket fasteners. Use a wire brush. Use WD-40 spray.



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



13 Remove the brake caliper together with its bracket.

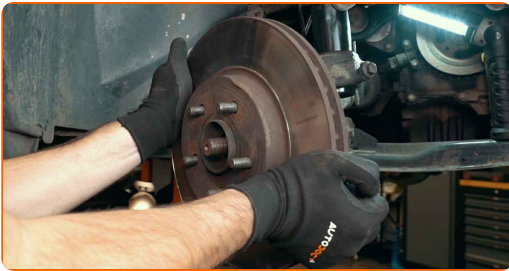


Replacement: wheel bearing – FORD MONDEO III (B5Y). Tip from AUTODOC:

- 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.

14

Remove the brake disc.

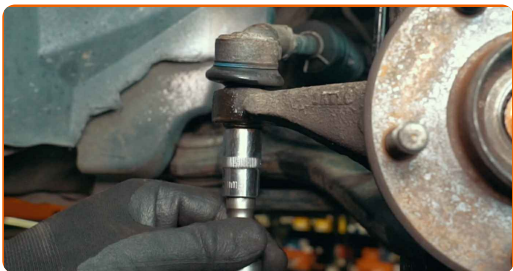


15

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



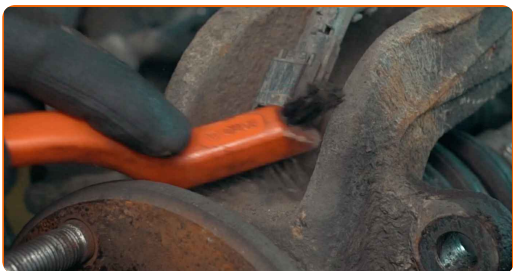
16 Unscrew the end fastening nut to the steering knuckle. Use a drive socket #15. Use a ratchet wrench.



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



18 Clean the ABS sensor fastener. Use a nylon cleaning brush. Use all-purpose cleaning spray.



19 Detach the ABS sensor connector.



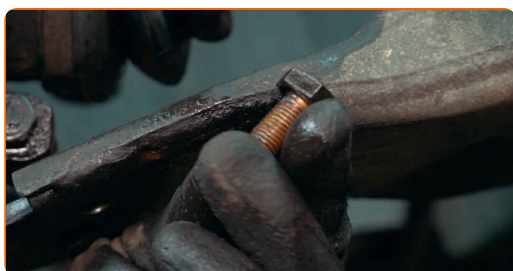
20 Clean the fasteners connecting the ball joint to the suspension control arm. Use a wire brush. Use WD-40 spray.



21 Unscrew the fastener connecting the ball joint to the suspension control arm. Use a combination spanner #17. Use a drive socket #17. Use a ratchet wrench.



22 Remove the fastening bolts.



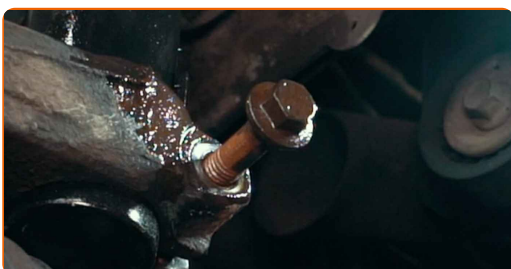
23 Clean the lower fastener connecting the suspension strut to the steering knuckle. Use a wire brush. Use WD-40 spray.



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



- 25** Remove the fastening bolt.



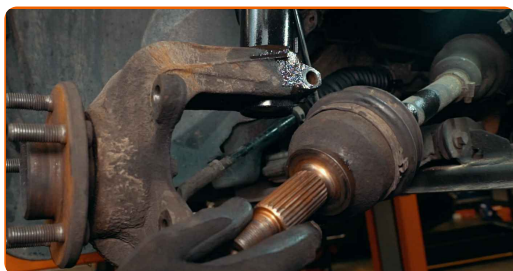
- 26** Detach the driveshaft from the steering knuckle. Use a pin punch. Use a hammer.



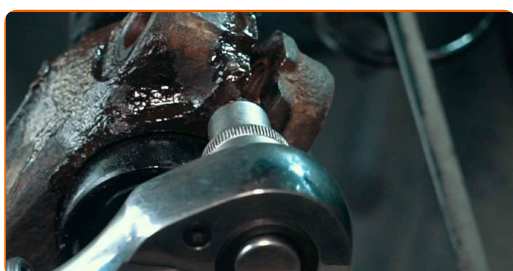
Replacement: wheel bearing – FORD MONDEO III (B5Y). Professionals recommend:

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

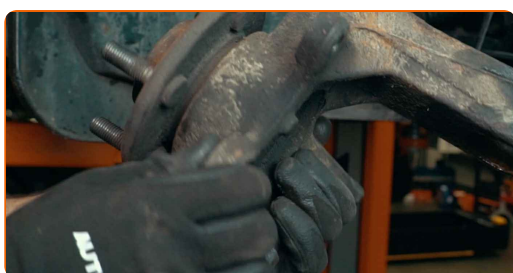
27 Disconnect the spherical joint from the arm.



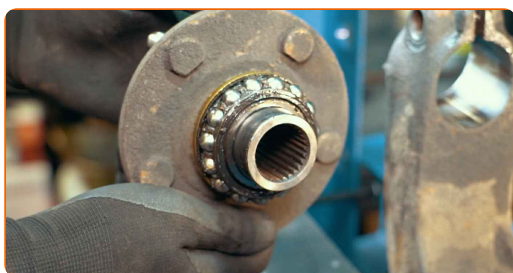
28 Release the lower fastener connecting the shock strut to the steering knuckle. Use a special drive socket to remove the shock absorber. Use a ratchet wrench.



29 Remove the steering knuckle together with the hub. Use a hammer.



30 Remove the wheel hub from the steering knuckle. Use a bush and bearing driver set.



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



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



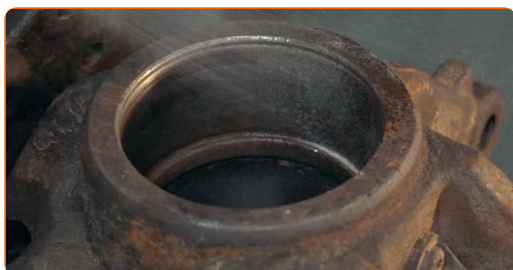
33 Clean the hub bearing mounting seat. Use a wire brush. Use WD-40 spray.



34 Pull the bearing inner race out of the wheel hub. Use a universal puller. Use a bush and bearing driver set.



35 Clean the hub bearing mounting seat. Use WD-40 spray.



36

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



Replacement: wheel bearing – FORD MONDEO III (B5Y). AUTODOC recommends:

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

37

Treat the wheel hub mounting seat. Use WD-40 spray.

38

Install the wheel hub on the steering knuckle. Use a bush and bearing driver set.



Replacement: wheel bearing – FORD MONDEO III (B5Y). Tip:

- Make sure that the wheel hub is positioned correctly. Avoid any misalignment.

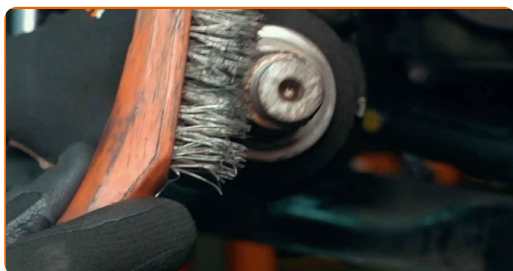
39

Treat the shock strut mounting seat on the steering knuckle. Use a wire brush. Use WD-40 spray.



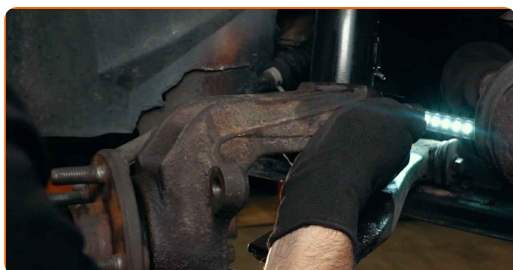
40

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



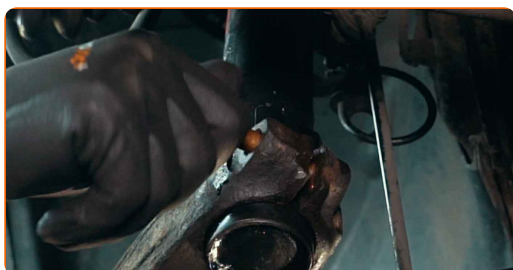
41

Install the steering knuckle with a hub in assembly.

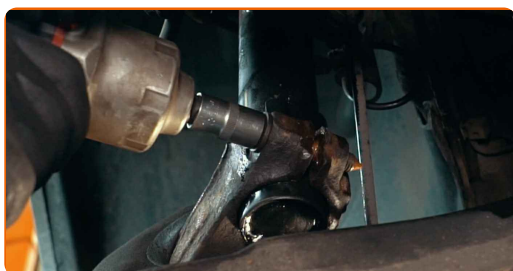


42

Install the fastening bolt.



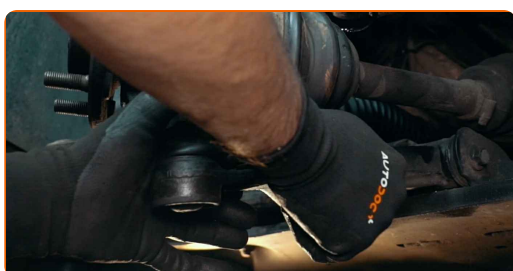
- 43 Screw in the fastener that connects the shock strut to the steering knuckle. Use a drive socket #15. Use a ratchet wrench. Use a tap wrench.



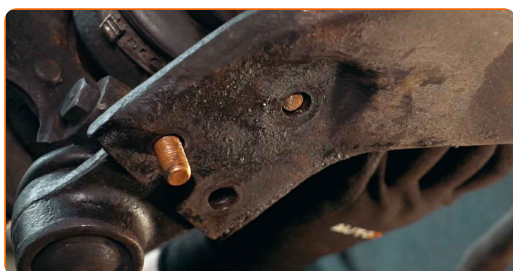
- 44 Install the drive shaft.



- 45 Attach the ball joint to the control arm.



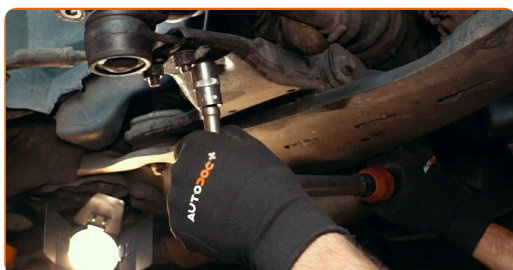
- 46 Install the fastening bolts.



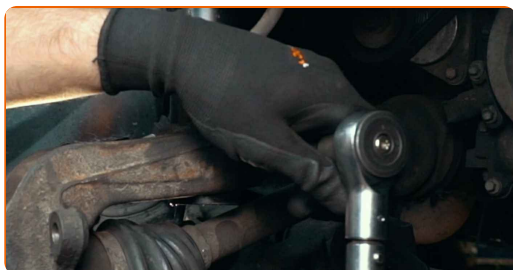
- 47** Screw in the fastener connecting the ball joint to the control arm. Use a combination spanner #17. Use a drive socket #17. Use a ratchet wrench.



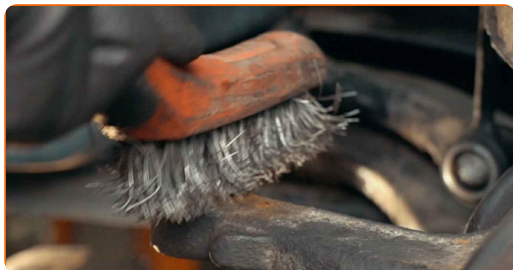
- 48** Tighten the fasteners connecting the ball joint to the control arm. Use a drive socket #17. Use a torque wrench. Tighten it to 44 Nm torque.



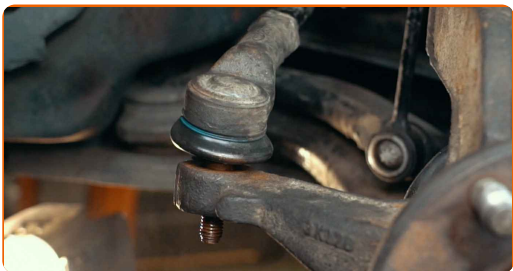
- 49** Tighten the lower fastening of the shock absorber. Use a drive socket #15. Use a torque wrench. Tighten it to 83 Nm torque.



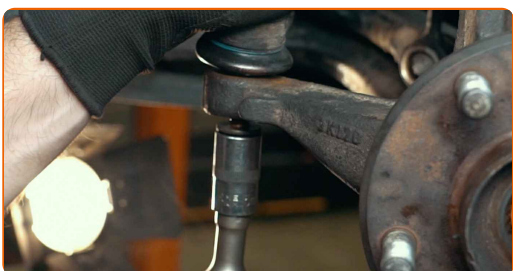
- 50** Clean the fastener connecting the tie rod end to the steering knuckle. Use a wire brush. Use WD-40 spray.



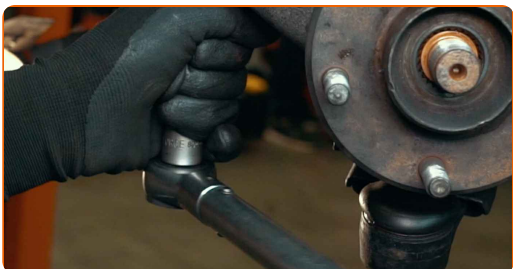
51 Connect the tie rod end to the steering knuckle.



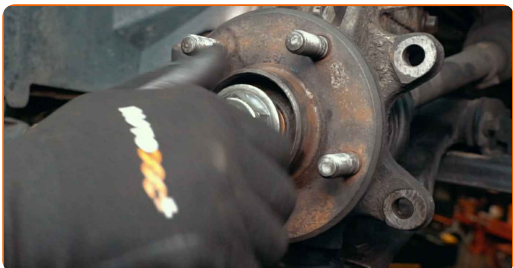
52 Screw on the fastening nut that connects the tie rod end to the steering knuckle. Use a drive socket #15. Use a ratchet wrench.



53 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 40 nm torque.



54 Install the fastening nut.

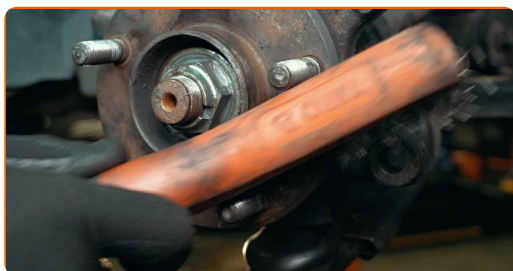


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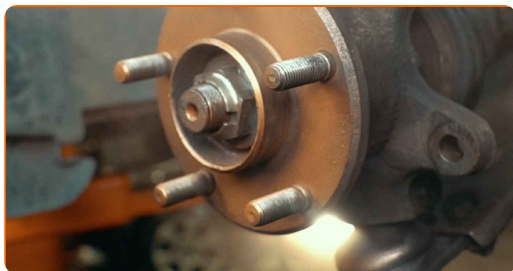
Screw the nut of the drive shaft. Use a drive socket #32. Use a ratchet wrench.

**56**

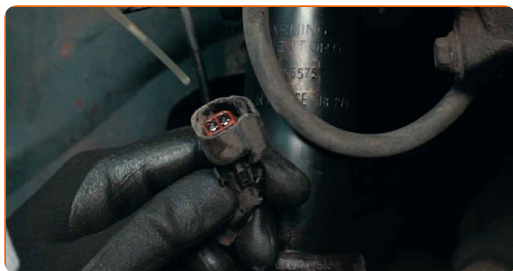
Clean the hub. Use a wire brush.

**57**

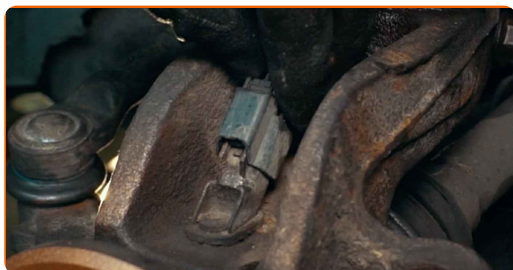
Treat the contacting surface. Use copper grease.

**58**

Treat the ABS sensor connector. Use dielectric grease.

**59**

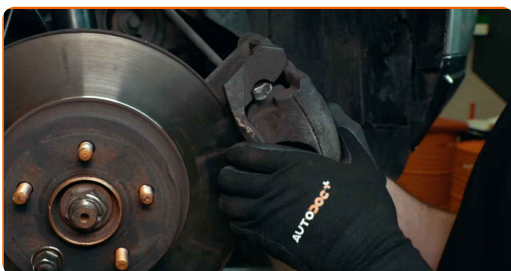
Attach the ABS sensor connector.



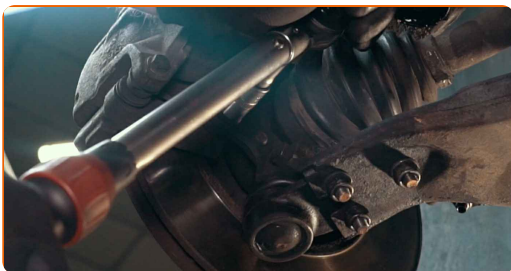
60 Install the brake disc.



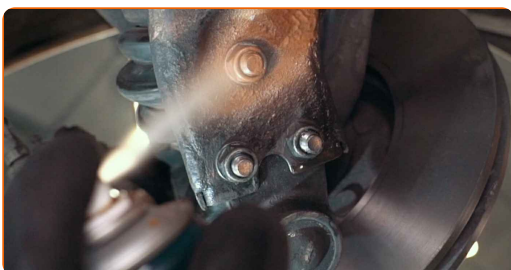
61 Install the brake caliper together with its bracket.



62 Tighten the brake caliper bracket. Use a drive socket #15. Use a torque wrench. Tighten it to 100 Nm torque.



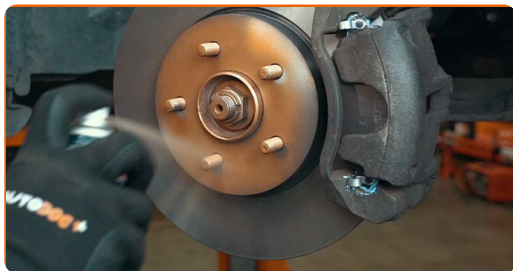
63 Treat all joints of the arm.



64 Treat the steering knuckle fasteners. Use copper grease.

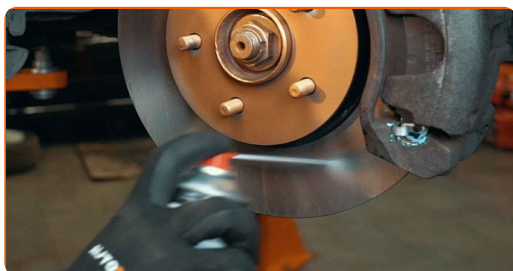
65

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



66

Clean the brake disk surface. Use a brake cleaner.



AUTODOC recommends:

- Replacement: wheel bearing – FORD MONDEO III (B5Y). After applying the spray, wait a few minutes.

67

Install the wheel.



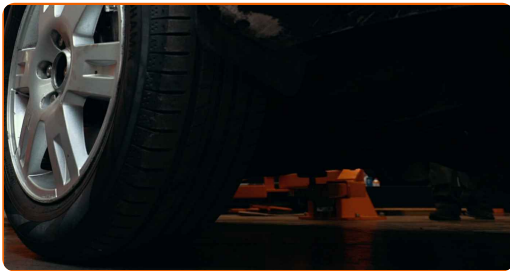
AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while screwing in the fastening bolts on the car. FORD MONDEO III (B5Y)

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



69 Lower the car.



70 Tighten the drive shaft nut. Use a drive socket #32. Use a torque wrench. Tighten it to 290 Nm torque.



71 Tighten the wheel bolts using a criss-cross pattern. Use wheel impact socket #19. Use a torque wrench. Tighten it to 90 Nm torque.



72 Remove the jacks and chocks.



Replacement: wheel bearing – FORD MONDEO III (B5Y). Professionals recommend:

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

73

Tighten the brake fluid reservoir cap. Close the hood.



WELL DONE! 

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