



How to change rear coil
springs on **Ford Mondeo**
Mk3 saloon –
replacement guide

VIDEO TUTORIAL



Important!

This replacement procedure can be used for:

FORD MONDEO III Saloon (B4Y) 1.8 16V, FORD MONDEO III Saloon (B4Y) 2.0 16V, FORD MONDEO III Saloon (B4Y) 2.5 V6 24V, FORD MONDEO III Saloon (B4Y) 2.0 16V DI / TDDi / TDCi, FORD MONDEO III Saloon (B4Y) 2.0 16V TDDi / TDCi, 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 Saloon (B4Y) 2.0 TDCi, FORD MONDEO III (B5Y) 1.8 SCi, FORD MONDEO III Saloon (B4Y) 1.8 SCi, FORD MONDEO III (B5Y) 2.2 TDCi, (+ 5)

The steps may slightly vary depending on the car design.

REPLACEMENT: COIL SPRINGS – FORD MONDEO MK3 SALOON. TOOLS YOU MIGHT NEED:



- Wire brush
- WD-40 spray
- Electronic spray
- Brake cleaner
- Copper grease
- Torque wrench
- Combination spanner #13
- Drive socket # 10
- Drive socket # 13
- Drive socket # 15
- Drive socket # 17
- Drive socket # 18
- Drive socket # 19
- Shock absorber socket
- HEX bit No.H6
- Wheel impact socket #19
- Ratchet wrench
- Nippers
- Tap wrench
- Hydraulic strut spring compressor
- Crow bar
- Hydraulic transmission jack
- Wheel chock

BUY TOOLS

Replacement: coil springs – Ford Mondeo Mk3 saloon. AUTODOC experts recommend:

- Both coil springs of the rear suspension should be replaced simultaneously.
- The replacement procedure is identical for the left and right coil springs of the rear suspension.
- All work should be done with the engine stopped.

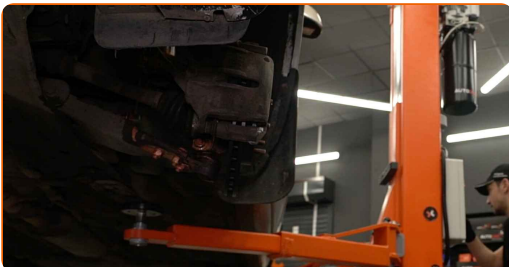
REPLACEMENT: COIL SPRINGS – FORD MONDEO MK3 SALOON. USE THE FOLLOWING PROCEDURE:

1 Secure the wheels with chocks.

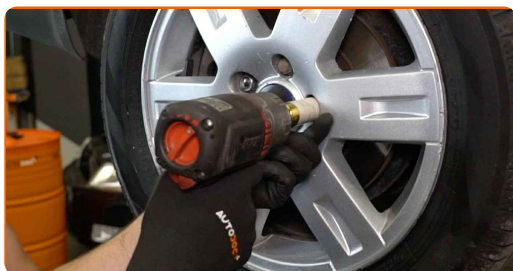
2 Loosen the wheel mounting bolts. Use wheel impact socket #19.



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



4 Unscrew the wheel bolts.



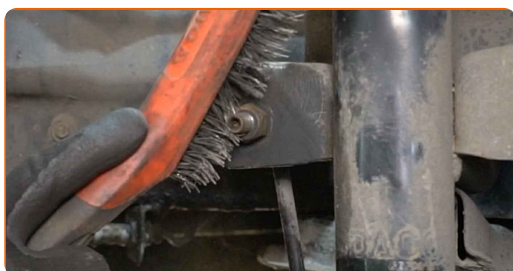
AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while unscrewing the fastening bolts.
Ford Mondeo Mk3 saloon

5 Remove the wheel.



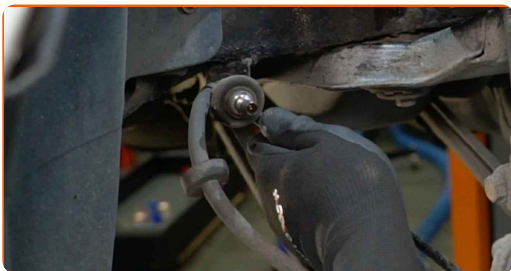
6 Clean the stabiliser link fasteners. Use a wire brush. Use WD-40 spray.



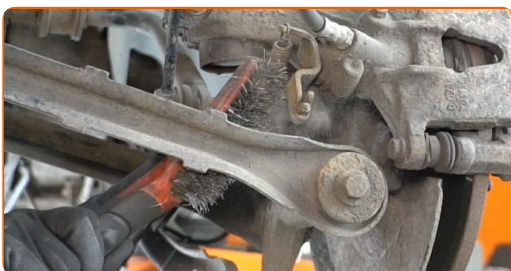
7 Unscrew the fastener connecting the stabilizer link to the shock strut. Use a drive socket #17. Use a ratchet wrench.



8 Remove the stabilizer rod.



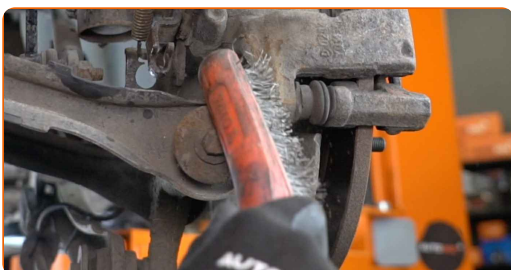
9 Clean the fastener of the parking brake cable. Use a wire brush. Use WD-40 spray.



10 Release the parking brake cable. Use nippers. Use a crowbar.



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



12

Unscrew the brake caliper fastening. Use a combination spanner #13.



13

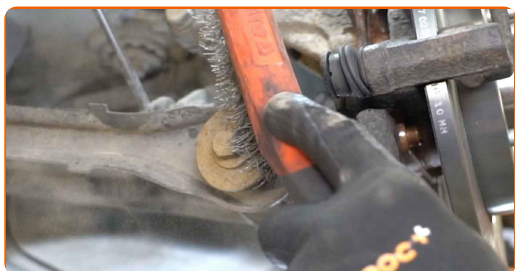
Remove the brake caliper. Use a crowbar.



Replacement: coil springs – Ford Mondeo Mk3 saloon. AUTODOC recommends:

- 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.

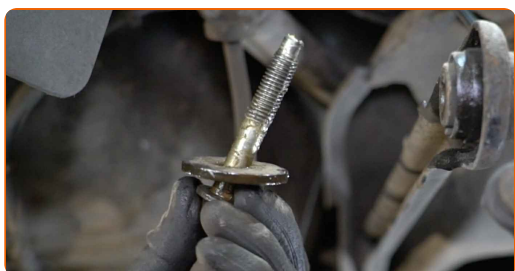
14 Clean all joints of the arm. Use a wire brush. Use WD-40 spray.



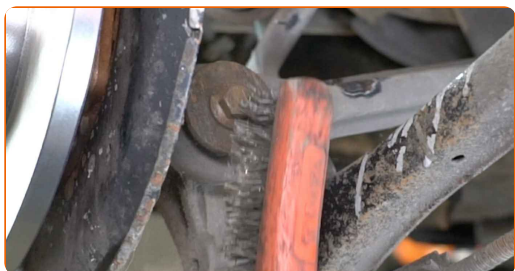
15 Unscrew the fastener connecting the control arm to the rear knuckle. Use a drive socket #15. Use a ratchet wrench.



16 Remove the fastening bolt. Detach the control arm.

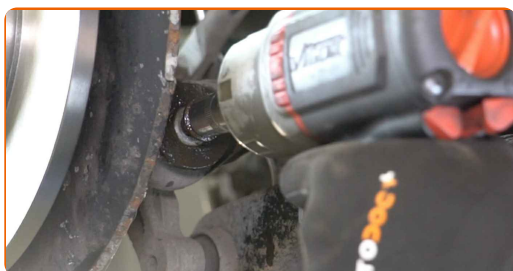


17 Clean all joints of the arm. Use a wire brush. Use WD-40 spray.



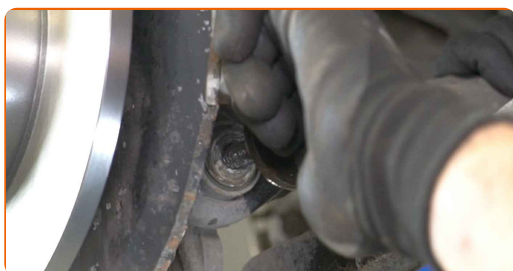
18

Unscrew the fastener connecting the control arm to the rear knuckle. Use a drive socket #15. Use a ratchet wrench.



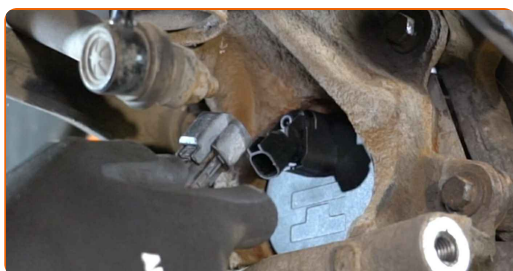
19

Remove the fastening bolt. Detach the control arm.



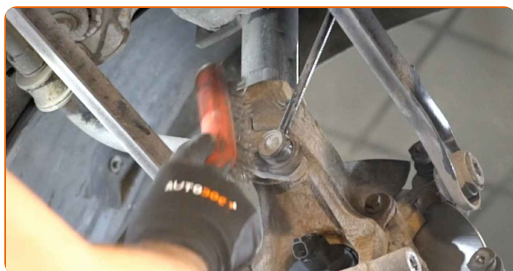
20

Detach the ABS sensor connector.

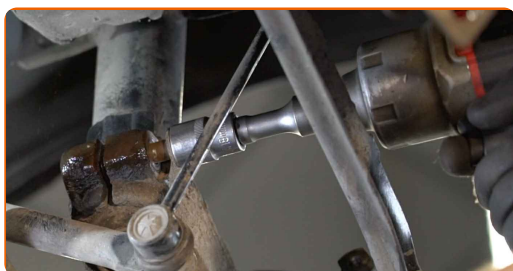


21

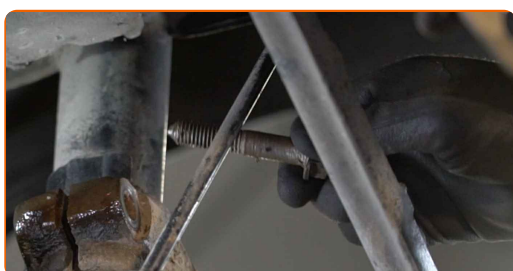
Clean the shock strut fasteners. Use a wire brush. Use WD-40 spray.



- 22 Unscrew the fastener that connects the suspension strut to the rear knuckle. Use a drive socket #18. Use a ratchet wrench. Use a tap wrench.



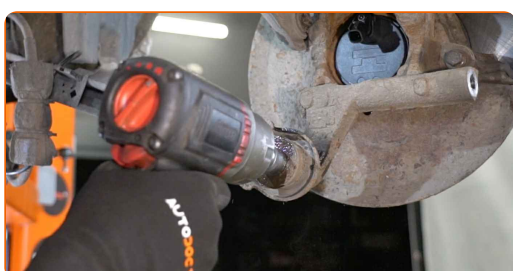
- 23 Remove the fastening bolt.



- 24 Clean all joints of the arm. Use a wire brush. Use WD-40 spray.

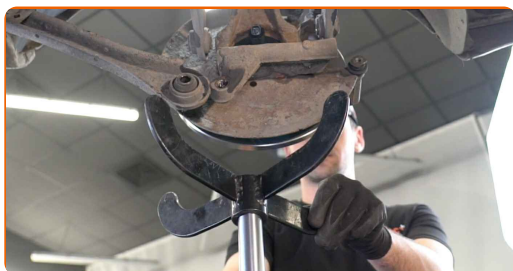


- 25 Unscrew the fastener connecting the control arm to the rear knuckle. Use a drive socket #15. Use a ratchet wrench.

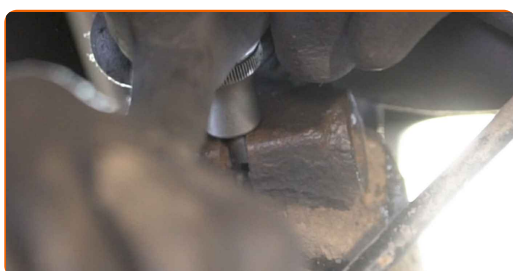


- 26 Remove the fastening bolt. Detach the control arm.

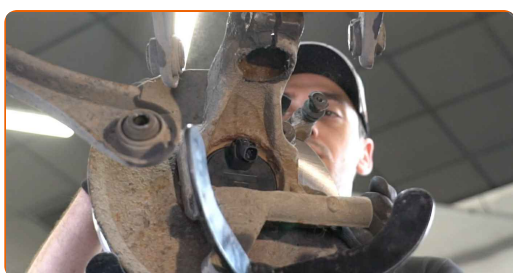
27 Support the rear knuckle. Use a hydraulic transmission jack.



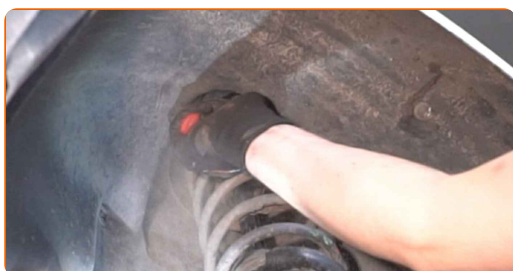
28 Release the fastener connecting the shock absorber to the rear knuckle. Use a special drive socket to remove the shock absorber. Use a ratchet wrench.



29 Detach the shock absorber from the rear knuckle.

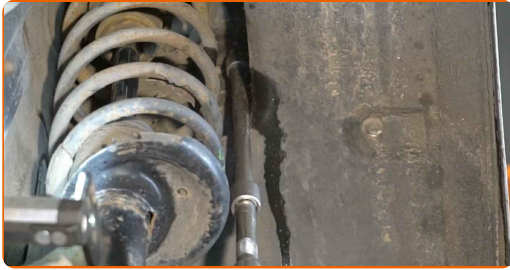


30 Clean the fasteners of the shock strut upper mount. Use a wire brush. Use WD-40 spray.



31

Unscrew the upper fasteners of the shock strut. Use a drive socket #10. Use a ratchet wrench.

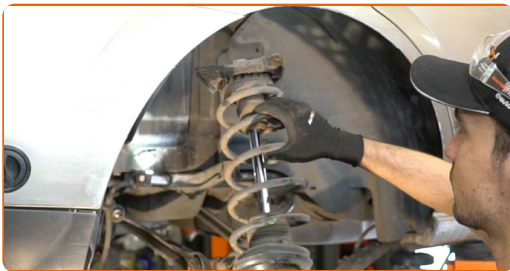


AUTODOC recommends:

- Ford Mondeo Mk3 saloon – To avoid injury, hold the suspension strut while unscrewing the fastening bolts.

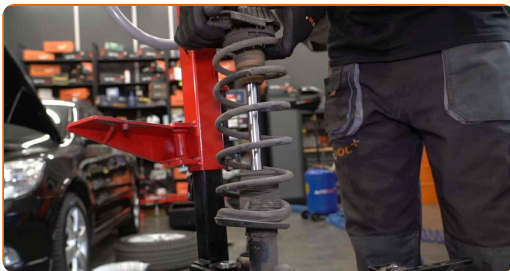
32

Remove the suspension strut.



33

Set the shock absorber strut on the spring compressor tool.

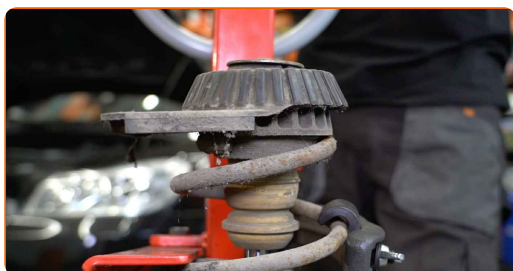


Replacement: coil springs – Ford Mondeo Mk3 saloon. AUTODOC recommends:

- Note that when using a spring compressor, spring coils need to be securely gripped, compressing the spring on the opposite sides.
- Ensure the correct position of the spring in the retainer.
- Make sure that the spring coils tightly entered the lock handles.

34

Compress the spring.



35

Treat the shock strut rod. Use a wire brush. Use WD-40 spray.



36

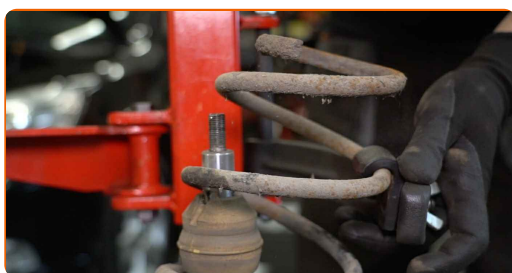
Remove the strut piston rod nut. Use a drive socket #19. Use HEX No.H6. Use a ratchet wrench.



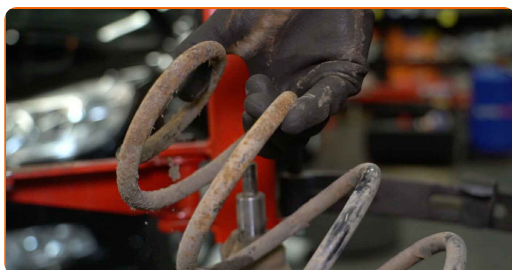
37 Remove the top strut mount.



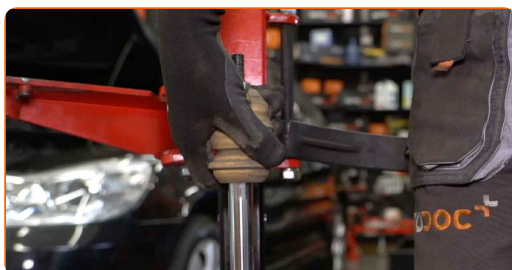
38 Release the coil spring.



39 Remove the spring.



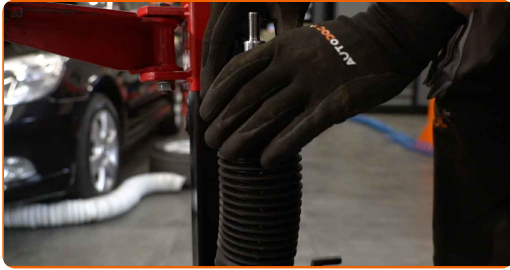
40 Remove the shock absorber dust cap and the bump stop.



AUTODOC recommends:

- Replacement: coil springs – Ford Mondeo Mk3 saloon. Carefully inspect the mount, the boot, and the bump stop of the shock absorber. Replace if necessary.

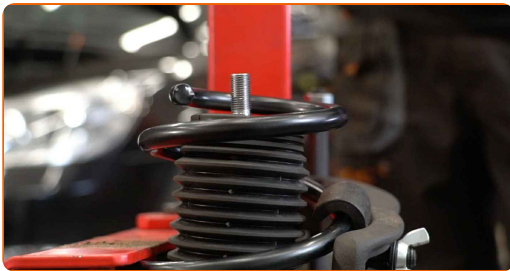
41 Install the dust boot and bump stop on the shock absorber.



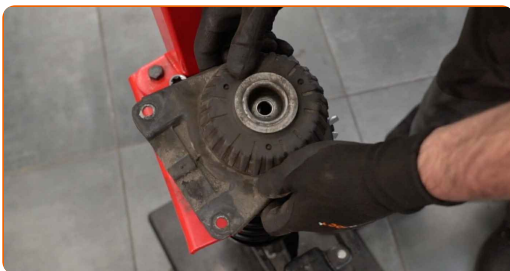
42 Install the spring on the shock absorber.



43 Compress the spring.



44 Install the upper strut mount and the strut mount bearing.



45 Tighten the shock strut piston rod nut. Use a drive socket #19. Use HEX No.H6. Use a torque wrench. Tighten it to 50 Nm torque.



Replacement: coil springs – Ford Mondeo Mk3 saloon. Tip from AUTODOC:

- Check to make sure the spring is positioned correctly. Avoid its misalignment.

46

Treat the shock strut rod. Use copper grease.



47

Decompress the spring.



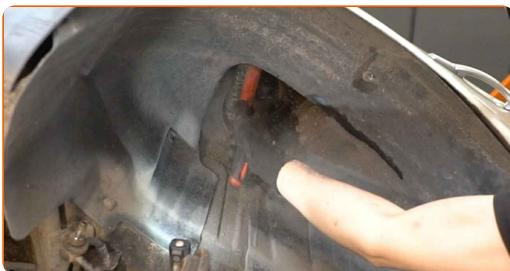
48

Remove the assembled shock strut.

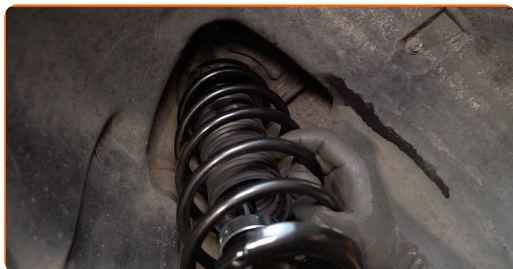


49

Clean the mounting seats of the shock strut. Use a wire brush. Use WD-40 spray.



50 Install the shock strut into the wheel arch.



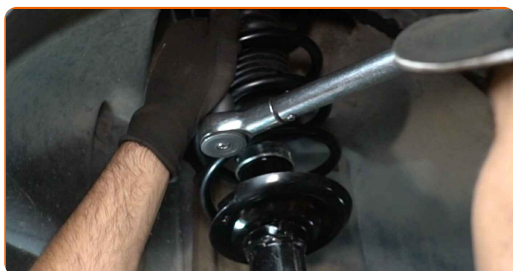
51 Secure the upper fasteners of the shock strut. Do not tighten it.



AUTODOC recommends:

- Important! Hold the suspension strut while screwing in the fastening bolts. Ford Mondeo Mk3 saloon

52 Tighten the upper fasteners of the shock strut. Use a drive socket #10. Use a torque wrench. Tighten it to 25 Nm torque.



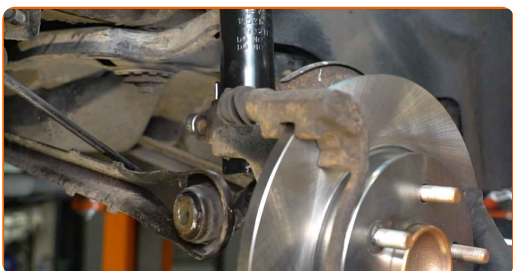
53 Clean all joints of the arm. Use a wire brush. Use WD-40 spray.



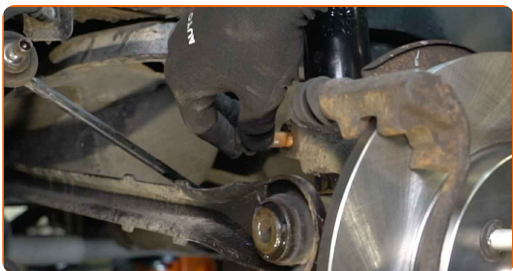
54 Clean the mounting seats of the shock strut. Use a wire brush. Use WD-40 spray.



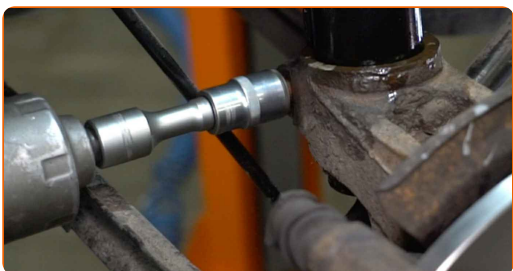
55 Attach the shock absorber to the rear knuckle.



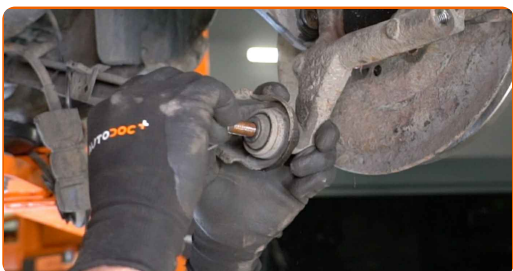
56 Install the fastening bolt.



57 Screw in the fastener connecting the shock absorber to the rear knuckle. Use a drive socket #18. Use a ratchet wrench.



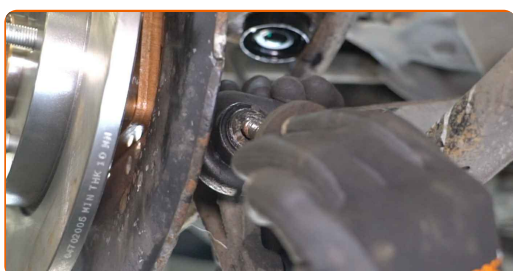
58 Attach the control arm. Install the fastening bolt.



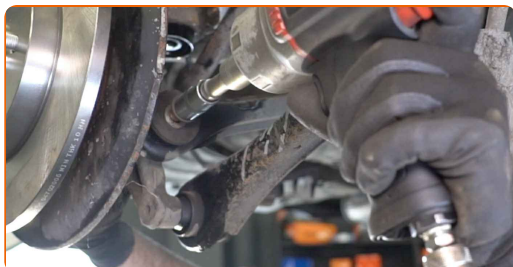
- 59 Screw in the fasteners connecting the control arm to the rear knuckle. Use a drive socket #15. Use a ratchet wrench.



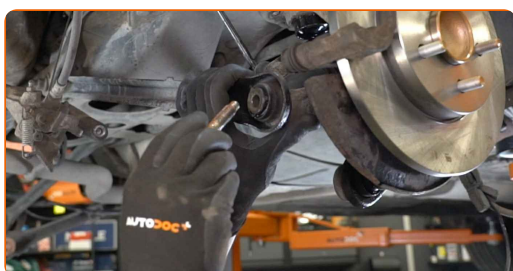
- 60 Attach the control arm. Install the fastening bolt.



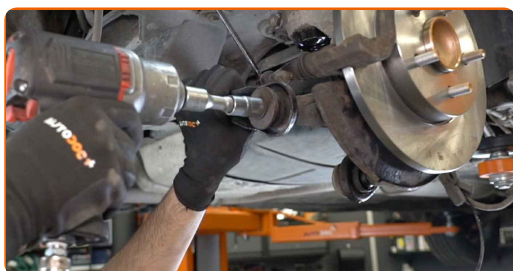
- 61 Screw in the fasteners connecting the control arm to the rear knuckle. Use a drive socket #15. Use a ratchet wrench.



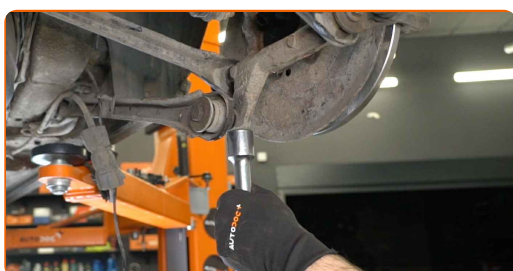
- 62 Attach the control arm. Install the fastening bolt.



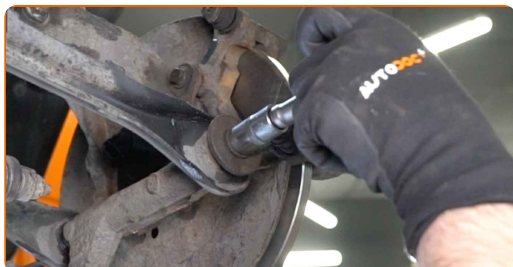
- 63** Screw in the fasteners connecting the control arm to the rear knuckle. Use a drive socket #15. Use a ratchet wrench.



- 64** Raise the hydraulic transmission jack by 10-15 cm.



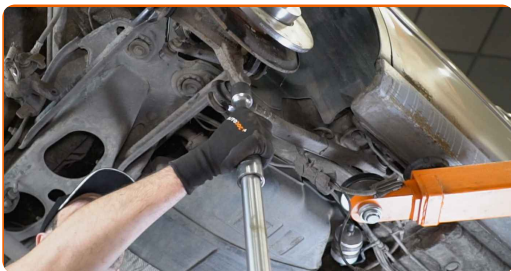
- 65** Tighten the fasteners connecting the control arm to the rear knuckle. Use a drive socket #15. Use a torque wrench. Tighten it to 103 Nm torque.



- 66** Tighten the fastener that connects the suspension strut to the rear knuckle. Use a drive socket #18. Use a torque wrench. Tighten it to 85 Nm torque.



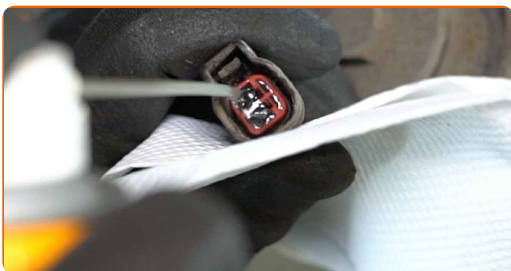
67 Remove the support from under the rear knuckle.



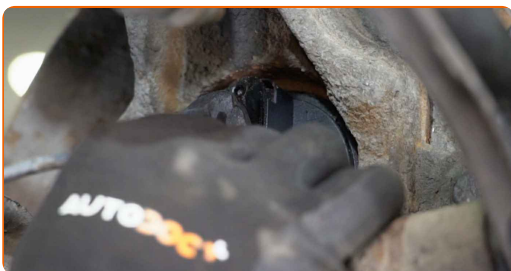
AUTODOC recommends:

- Replacement: coil springs – Ford Mondeo Mk3 saloon. Lower the transmission jack smoothly, without jerks, to avoid damaging components and mechanisms.

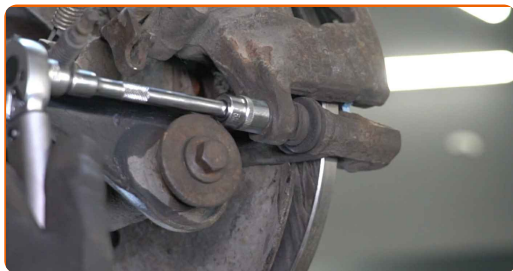
68 Treat the ABS sensor connector. Use dielectric grease.



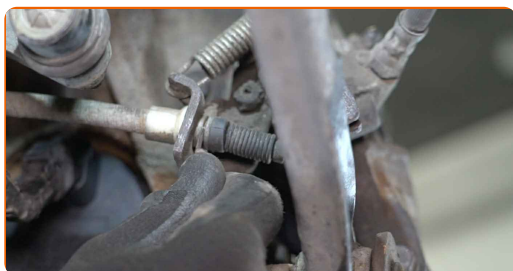
69 Attach the ABS sensor connector.



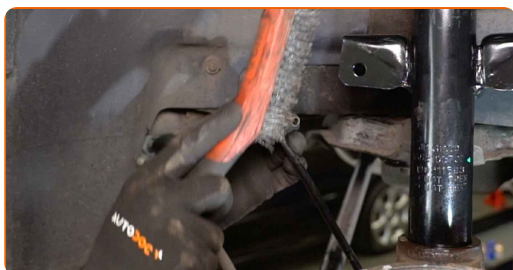
70 Install the brake caliper and fix it. Use a drive socket #13. Use a torque wrench. Tighten it to 30 Nm torque.



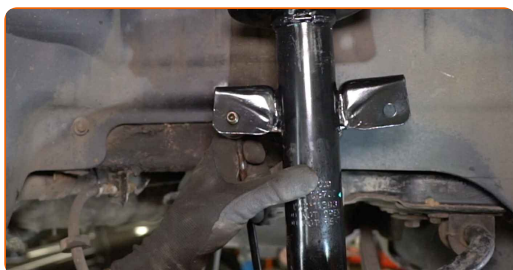
71 Install the parking brake cable into the brake caliper bracket. Use nippers. Use a crowbar.



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

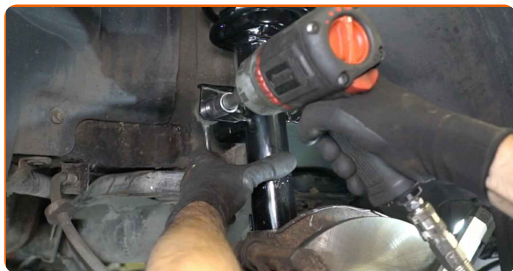


73 Install the transverse stabilizer link.



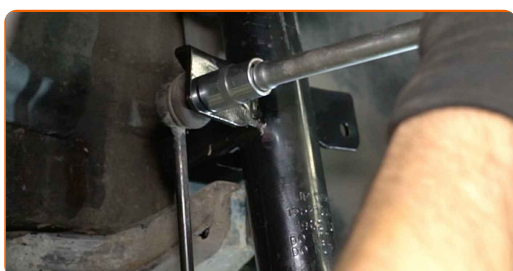
74

Tighten the stabiliser link fastener. Use a drive socket #17. Use a ratchet wrench.



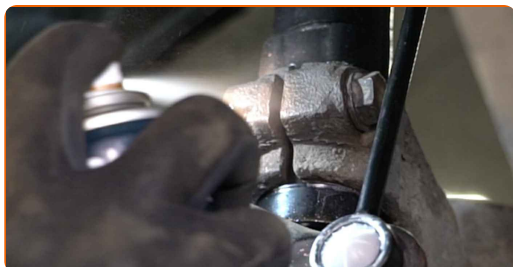
75

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.



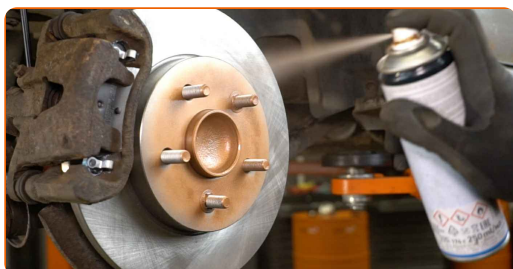
76

Treat the shock strut fasteners. Treat all joints of the stabiliser link. Treat the rear knuckle fasteners. Use copper grease.



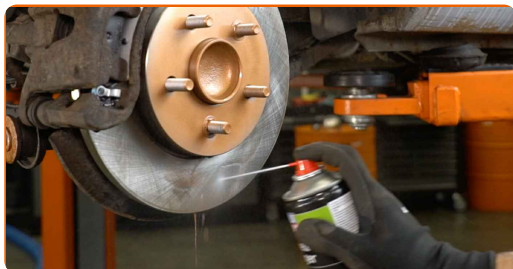
77

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



78

Clean the brake disk surface. Use a brake cleaner.



AUTODOC recommends:

- Replacement: coil springs – Ford Mondeo Mk3 saloon. After applying the spray, wait a few minutes.

79

Install the wheel.

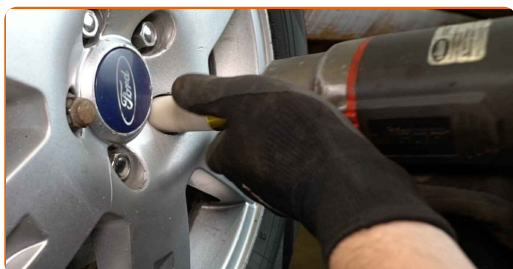


AUTODOC recommends:

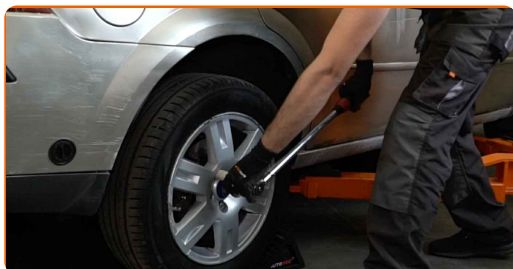
- Warning! To avoid injury, hold the wheel while screwing in the fastening bolts on the car. Ford Mondeo Mk3 saloon

80

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



- 81** 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 90 Nm torque.



- 82** Remove the jacks and chocks.



WELL DONE! 

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