



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

VIDEO TUTORIAL



i Important!

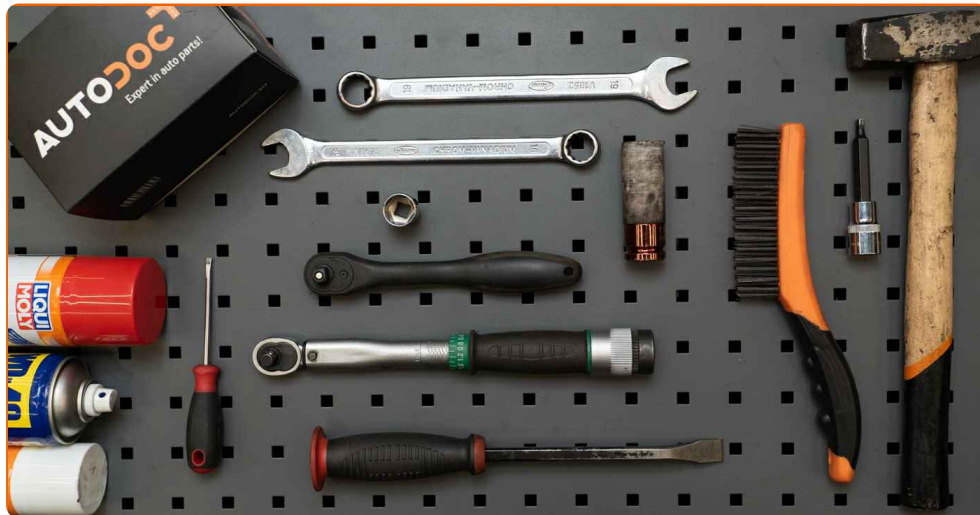
This replacement procedure can be used for:

FORD MONDEO III Estate (BWY) 2.2 TDCi, FORD MONDEO III Estate (BWY) 1.8 16V, FORD MONDEO III Estate (BWY) 2.0 16V, FORD MONDEO III Estate (BWY) 2.5 V6 24V, FORD MONDEO III Estate (BWY) 2.0 16V DI / TDDi / TDCi, FORD MONDEO III Estate (BWY) 2.0 16V TDDi / TDCi, FORD MONDEO III Estate (BWY) 2.0 TDCi, FORD MONDEO III Estate (BWY) 3.0 V6 24V

The steps may slightly vary depending on the car design.

REPLACEMENT: COIL SPRINGS – FORD MONDEO BWY.

TOOLS YOU MIGHT NEED:



- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Combination spanner #18
- Combination spanner #19
- Drive socket # 15
- HEX bit no.H5.
- Wheel impact socket #19
- Ratchet wrench
- Torque wrench
- Flat Screwdriver
- Crow bar
- Hammer
- Hydraulic transmission jack
- Wheel chock

BUY TOOLS

Replacement: coil springs – Ford Mondeo BWY. Tip from AUTODOC experts:

- 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.
- Please note: all work on the car – Ford Mondeo BWY – should be done with the engine switched off.

CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:

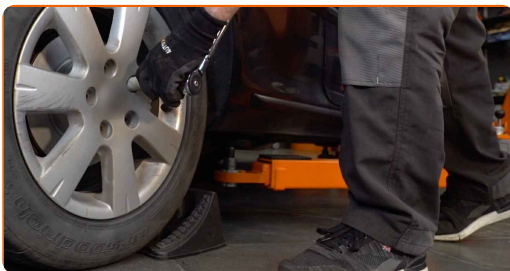
1

Secure the wheels with chocks.



2

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



3

Raise the rear of the car and secure on supports.

4

Unscrew the wheel bolts.



Replacement: coil springs – Ford Mondeo BWY. Tip:

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

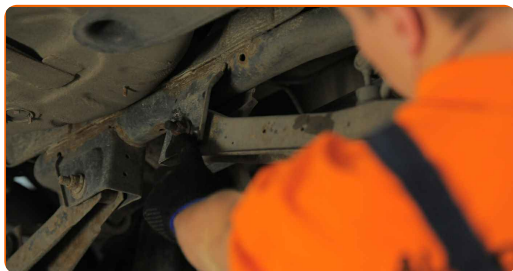
5

Remove the wheel.



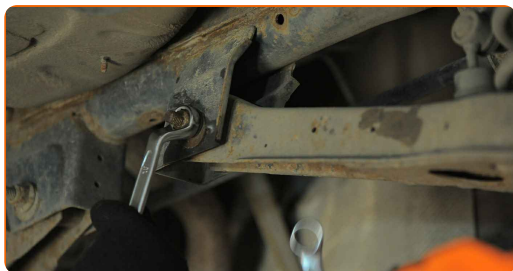
6

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



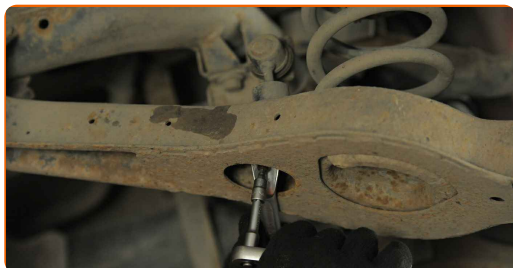
7

Unscrew the arm fastening to the beam. Use a combination spanner #18. Use a combination spanner #19.



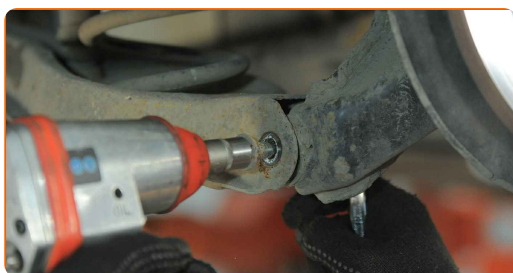
8 Clean the stabiliser link fasteners. Use a wire brush. Use WD-40 spray.

9 Unscrew the fastener connecting the stabilizer link to the control arm. Use a combination spanner #19. Use HEX No.H5. Use a ratchet wrench.



10 Remove the fastening nut.

11 Unscrew the fastener connecting the control arm to the rear knuckle. Use a combination spanner #18. Use a drive socket #15. Use a ratchet wrench.



12 Support the stub axle. Use a hydraulic transmission jack.



13 Remove the fastening bolt.



14

Detach the suspension arm from the rear knuckle. Use a flat screwdriver. Use a crowbar.



15

Remove the support from under the stub axle. Use a crowbar.

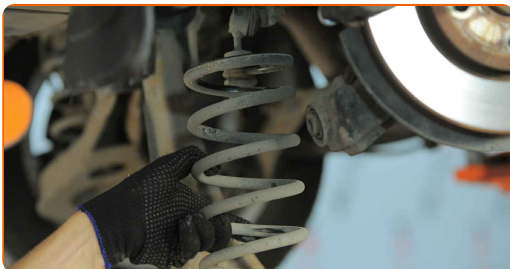


AUTODOC recommends:

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

16

Take out the spring.

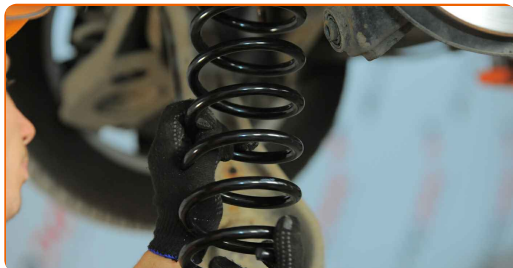


Replacement: coil springs – Ford Mondeo BWY. Tip from AUTODOC experts:

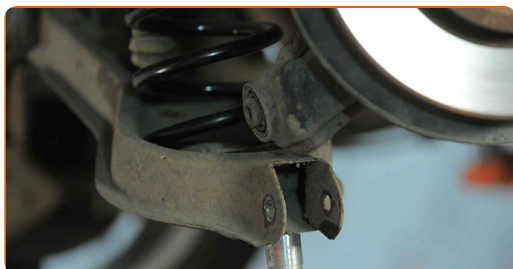
- Examine suspension spring rubber spacers. Replace them if needed.

17 Clean the coil spring mounting seats. Use a wire brush. Use WD-40 spray.

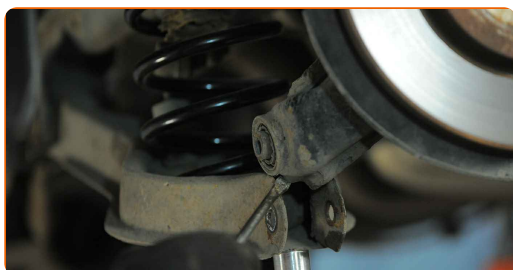
18 Install the spring.



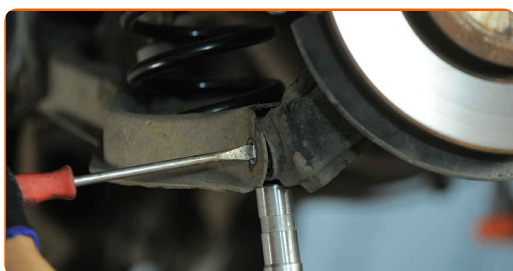
19 Support the stub axle. Use a hydraulic transmission jack.



20 Attach the suspension arm to the rear knuckle. Use a flat screwdriver.



21 Install the fastening bolt. Use a flat screwdriver. Use a hammer.

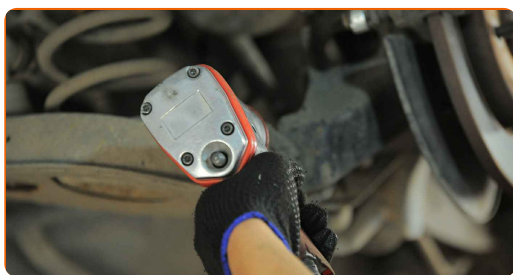


- 22** Screw in the fastener that connects the control arm to the rear knuckle. Use a drive socket #15. Use a ratchet wrench.

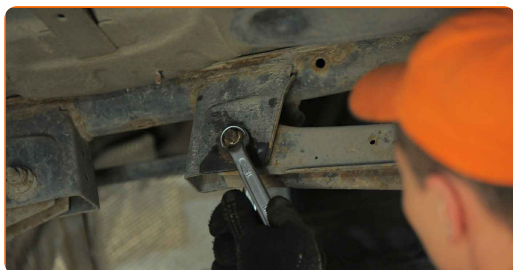


- 23** Raise the hydraulic transmission jack by 10-15 cm.

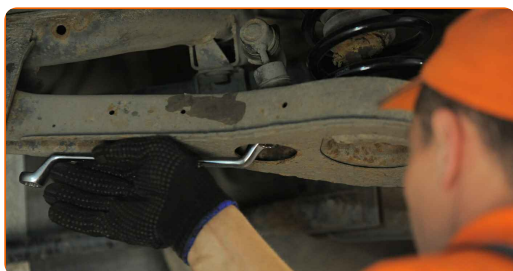
- 24** Tighten the fastener connecting the suspension arm to the rear knuckle. Use a combination spanner #18. Use a drive socket #15. Use a torque wrench. Tighten it to 84 Nm torque.



- 25** Tighten the arm fastening to the beam. Use a combination spanner #18. Use a combination spanner #19. Use a torque wrench. Tighten it to 103 nm torque.



- 26** install the rod fastening to the stabilizer and tighten it. Use a combination spanner #19. Use HEX No.H5. Use a torque wrench. Tighten it to 48 Nm torque.

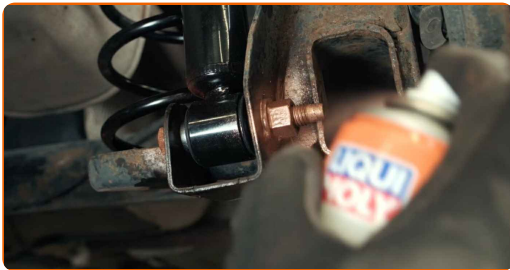


27 Remove the support from under the stub axle.

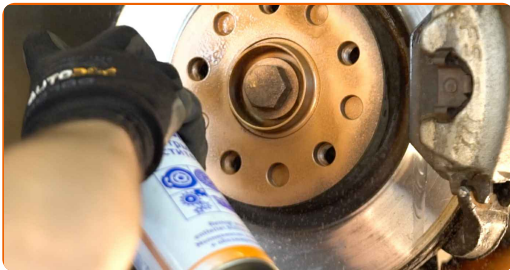
AUTODOC recommends:

- Ford Mondeo BWY – Do not lower the transmission jack sharply to avoid damaging components and mechanisms of the car.

28 Treat all joints of the arm. Use copper grease.



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



30 Clean the brake disk surface. Use a brake cleaner.



Replacement: coil springs – Ford Mondeo BWY. AUTODOC experts recommend:

- After applying the spray, wait a few minutes.

31

Install the wheel.



AUTODOC recommends:

- Important! Hold the wheel while screwing in the fastening bolts. Ford Mondeo BWY

32

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

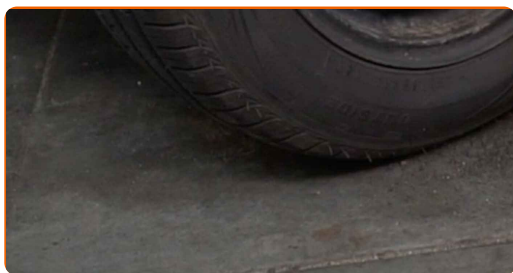


33

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.

34

Remove the jacks and chocks.



WELL DONE! 

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