VIDEO TUTORIAL

## ⓘ Important!

This replacement procedure can be used for:
FORD FOCUS II (DA_, HCP, DP) 1.6 TDCi, FORD FOCUS II Saloon (DB_, FCH, DH) 1.6 TDCi, FORD FOCUS II Turnier (DA_, FFS, DS) 1.6 TDCi

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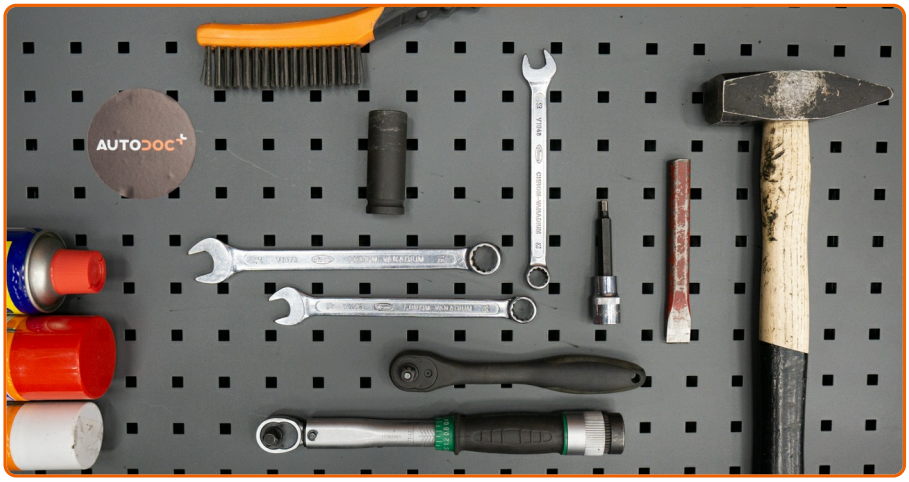
The steps may slightly vary depending on the car design.

# REQUIRED TOOLS:



- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Combination spanner #13
- Combination spanner #16
- Combination spanner #19
- Drive socket # 15
- Drive socket # 16
- HEX bit no.H5.
- HEX bit no.H6.
- Wheel impact socket #19
- Ratchet wrench
- Torque wrench
- Hydraulic strut spring compressor
- Hammer
- Hydraulic transmission jack
- Fender cover
- Wheel chock

## AUTODOC recommends:

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

## 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.

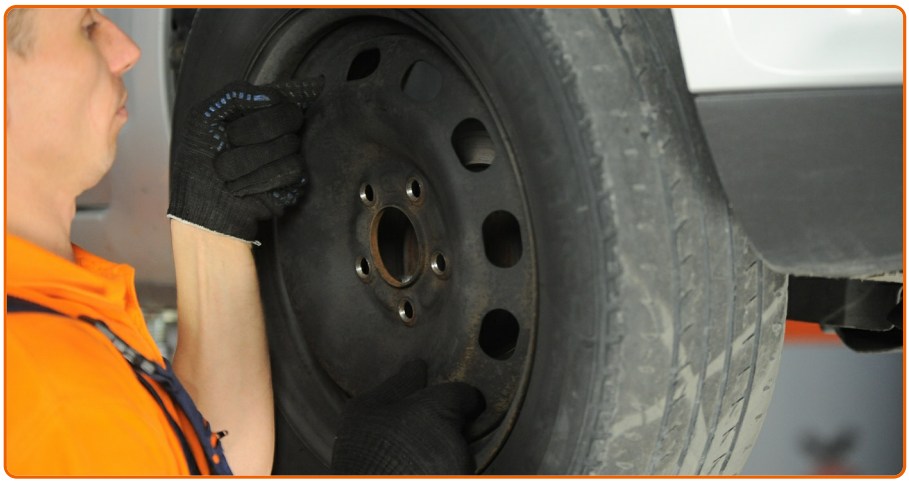
4

Unscrew the wheel bolts.

## AUTODOC recommends:

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

**5**



Remove the wheel.

**6**

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

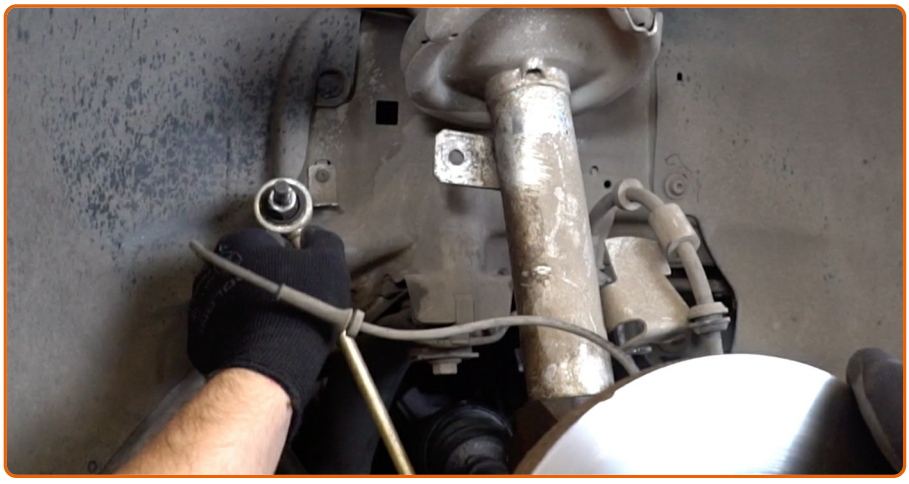
7

Unscrew the fastener connecting the stabilizer link to the shock strut. Use a combination spanner #16. Use HEX No.H5. Use a ratchet wrench.

8

Remove the bracket from the shock absorber strut.

9



Remove the stabilizer rod.

10

Detach the brake hose from the shock strut.

11

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

12

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

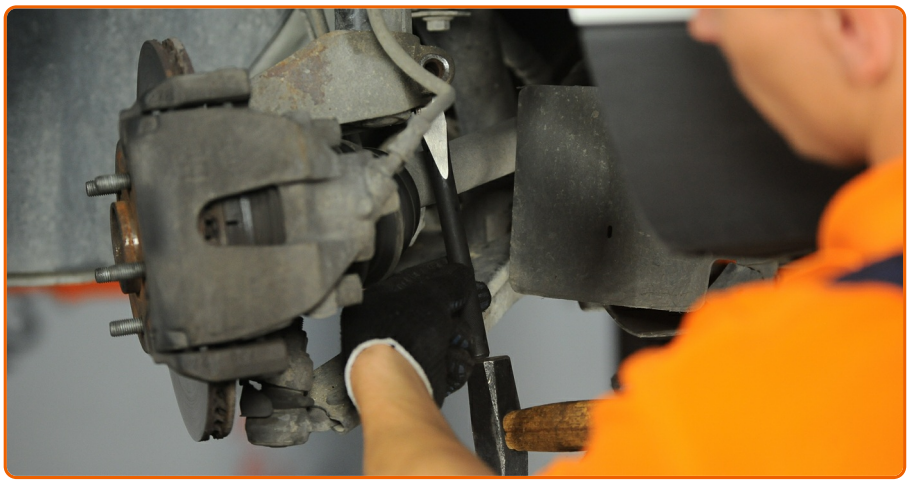
13

Remove the fastening bolt.

14

Detach the ABS sensor connector.

15



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

## AUTODOC recommends:

- Make sure that the steering knuckle is supported.

**16**

Lower the car.

**17**

Open the bonnet.

18

Use a fender protection cover to prevent damaging paintwork and plastic parts of the car.

19

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

20

Unscrew the top fastening of the shock strut mount. Use a combination spanner #13.

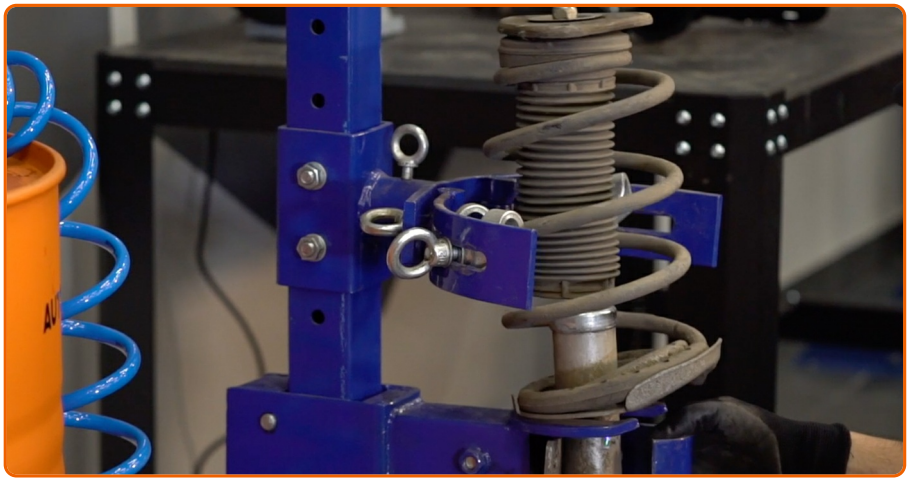
## AUTODOC recommends:

- To avoid injuries, hold the shock strut when undoing the fastening bolts.

**21**

Remove the suspension strut.

**22**

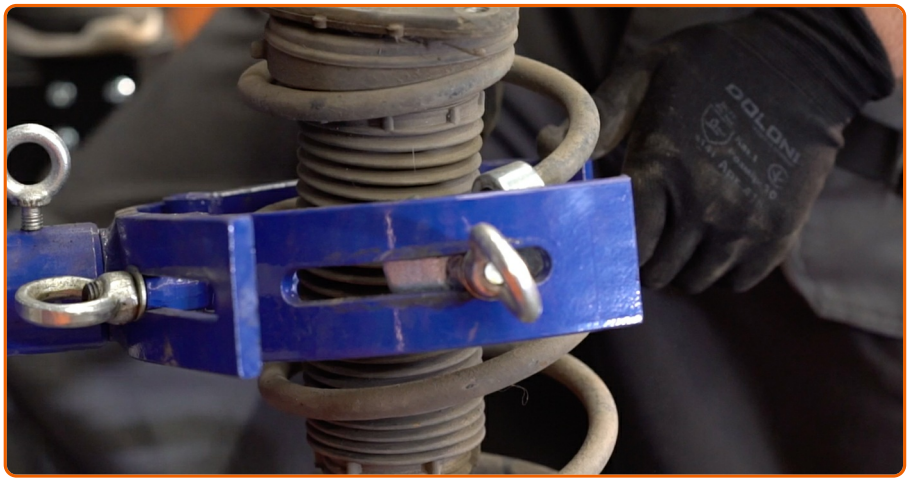


Set the shock absorber strut on the spring compressor tool.

## 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.

23



Compress the spring.

24

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

25

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

26

Remove the shock absorber mount, boot and bump stop.

## AUTODOC recommends:

- Thoroughly examine the shock absorber mount, dust boot, bump stop. Replace them if necessary.

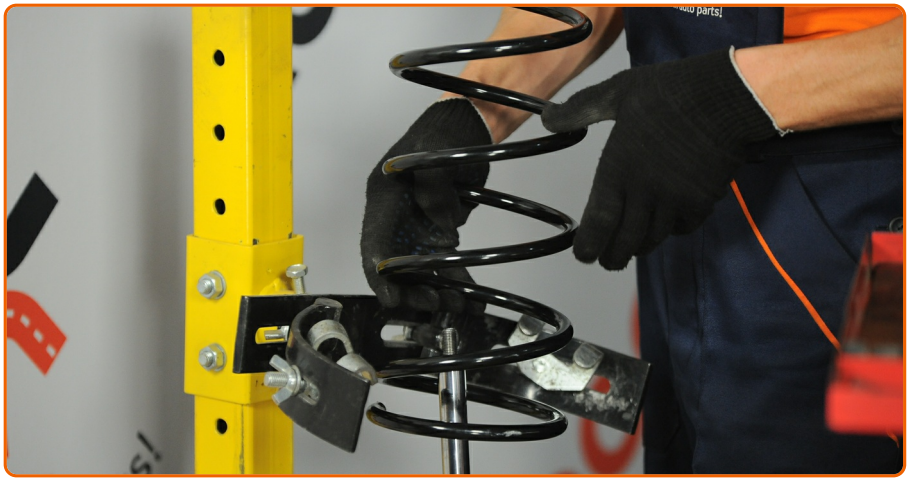
27

Release the coil spring.

28

Remove the spring.

29



Install the spring on the shock absorber.

30

Compress the spring.

31

Install the mount, the boot and the bump stop on the shock absorber. Use HEX No.H6.

32

Tighten the shock strut piston rod nut. Use a combination spanner #19. Use HEX No.H6. Use a torque wrench. Tighten it to 55 Nm torque.

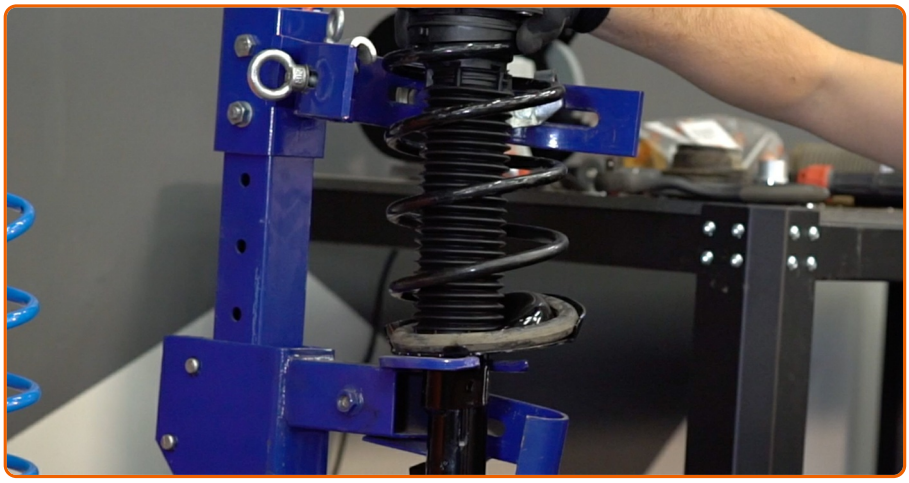
## AUTODOC recommends:

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

33

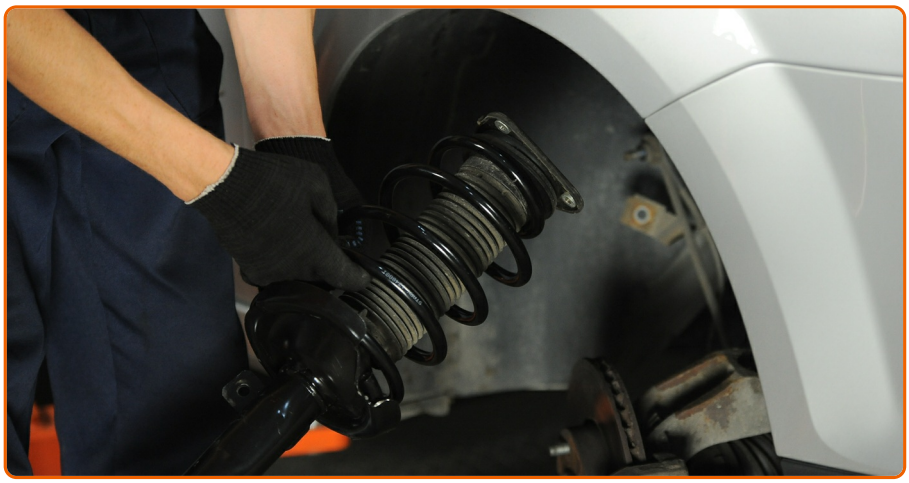
Decompress the spring.

34



Remove the assembled shock strut.

35



Install the shock strut into the wheel arch.

36

Screw the top fastening of the shock strut mount.

## AUTODOC recommends:

- To avoid injuries, hold the shock strut when screwing the fastening bolts in.

37

Tighten the upper fastener of the shock absorber strut mount. Use a combination spanner #13. Use a torque wrench. Tighten it to 40 Nm torque.

38

Remove the fender protection cover.

39

Close the hood.

40

Raise the front of the car and secure on supports.

41

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

42

Fix the shock absorber strut on the steering knuckle. Use a hammer.

43

Support the arm. Use a hydraulic transmission jack.

44

Install the fastening bolt.

45

Tighten the lower fasteners connecting the shock strut to the steering knuckle. Use a drive socket #15. Use a torque wrench. Tighten it to 65 Nm torque.

46

Remove the support from under the arm.

## AUTODOC recommends:

- Lower the hydraulic transmission jack smoothly, without jerks, to avoid damaging assemblies and mechanisms.

47

Fasten the brake hose on the strut.

48

Attach the ABS sensor connector.

49

Install the transverse stabilizer link.

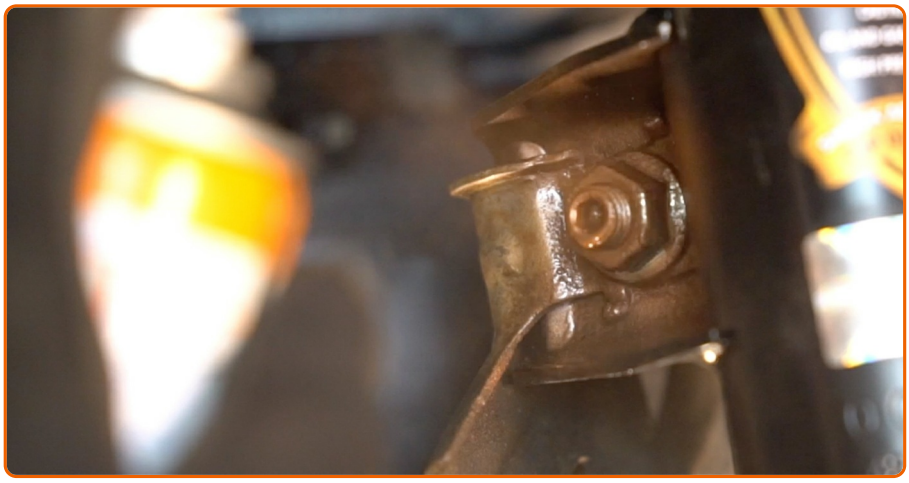
50

Install the bracket onto the shock absorber strut.

51

Tighten the fastener connecting the stabilizer link to the shock strut. Use a drive socket #16. Use HEX No.H5. Use a torque wrench. Tighten it to 60 Nm torque.

52

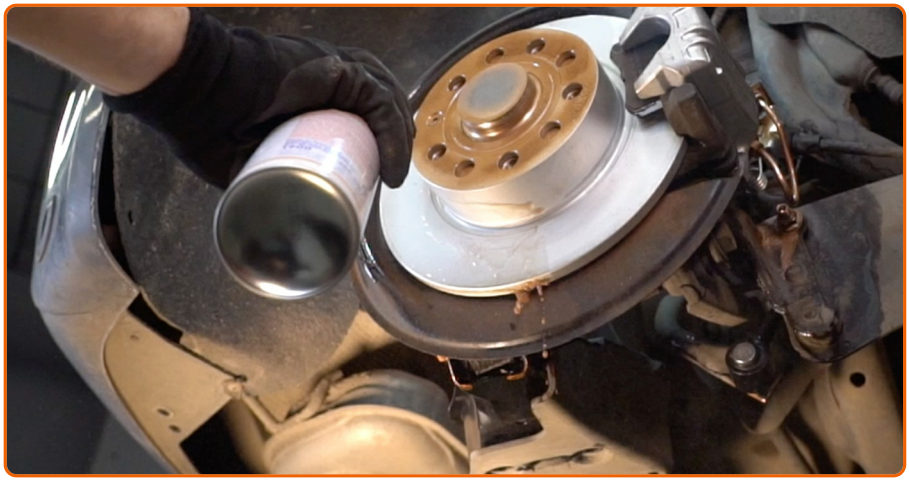


Treat the shock strut fasteners. Use copper grease.

53

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

54



Clean the brake disk surface. Use a brake cleaner.

## AUTODOC recommends:

- After applying the spray, wait a few minutes.

55

Install the wheel.

## AUTODOC recommends:

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

56

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

57

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 120 nm torque.

58

Remove the jacks and chocks.

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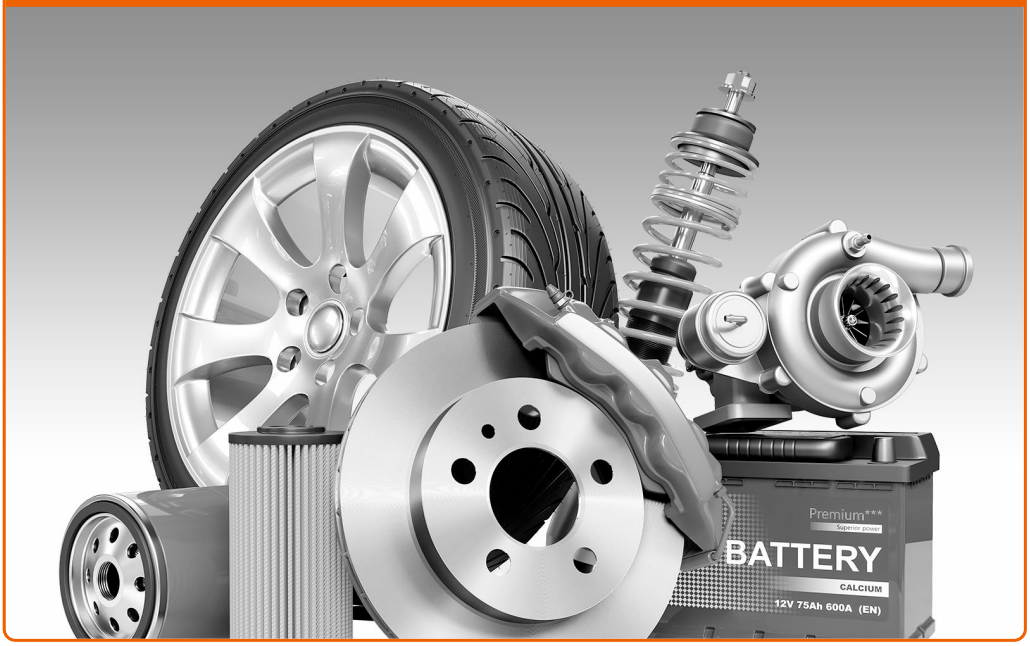

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