



How to change front
suspension strut on **Ford
Fiesta JA8** – replacement
guide

VIDEO TUTORIAL

** Important!**

This replacement procedure can be used for:

FORD Fiesta Mk6 Hatchback (JA8, JR8) 1.6 Ti, FORD Fiesta Mk6 Hatchback (JA8, JR8) 1.4 TDCi, FORD Fiesta Mk6 Hatchback (JA8, JR8) 1.6, FORD Fiesta Mk6 Hatchback (JA8, JR8) 1.25, FORD Fiesta Mk6 Hatchback (JA8, JR8) 1.6 TDCi, FORD Fiesta Mk6 Hatchback (JA8, JR8) 1.4, FORD Fiesta Mk6 Hatchback (JA8, JR8) 1.0, FORD Fiesta Mk6 Hatchback (JA8, JR8) 1.0 EcoBoost

The steps may slightly vary depending on the car design.

REPLACEMENT: SUSPENSION STRUT – FORD FIESTA
JA8. TOOLS YOU'LL NEED:



- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Combination spanner #13
- Combination spanner #15
- Combination spanner #18
- HEX bit no.H6.
- Drive socket # 10
- Drive socket # 13
- Drive socket # 15
- Drive socket # 18
- Wheel impact socket #19
- Ratchet wrench
- Torque wrench
- Clip removal tool
- Hydraulic strut spring compressor
- Hydraulic transmission jack
- Fender cover
- Wheel chock

BUY TOOLS

Replacement: suspension strut – Ford Fiesta JA8. Tip from AUTODOC experts:

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

REPLACEMENT: SUSPENSION STRUT – FORD FIESTA JA8. RECOMMENDED SEQUENCE OF STEPS:

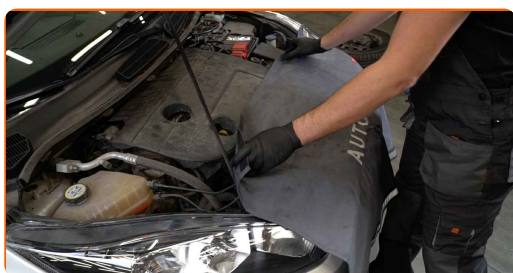
1

Open the bonnet.



2

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



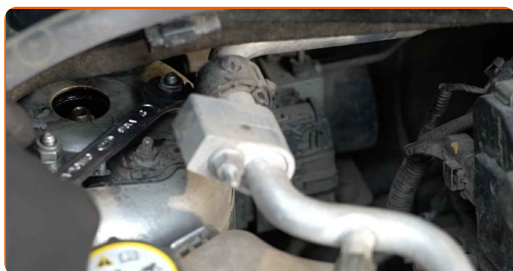
3

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



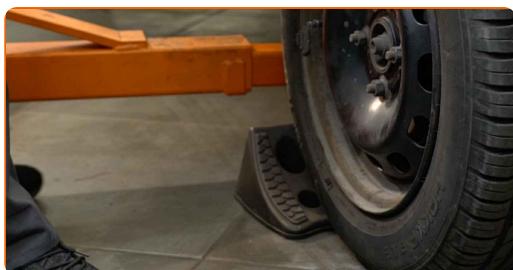
4

Loosen the upper fastener of the shock strut mount. Use a combination spanner #13.



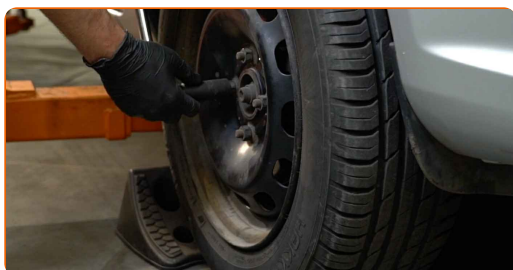
5

Secure the wheels with chocks.



6

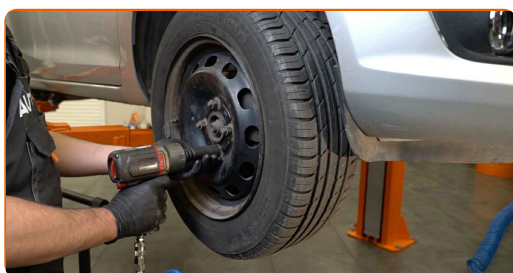
Loosen the wheel mounting bolts. Use wheel impact socket #19.



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



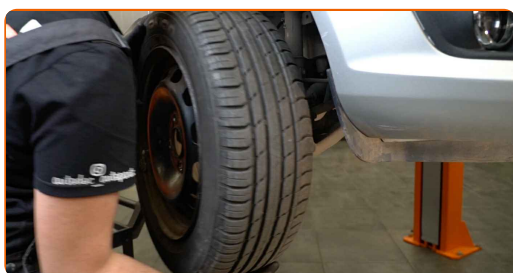
8 Unscrew the wheel bolts.



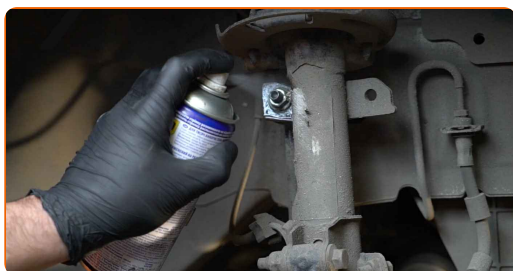
AUTODOC recommends:

- Important! Hold the wheel while unscrewing the fastening bolts. Ford Fiesta JA8

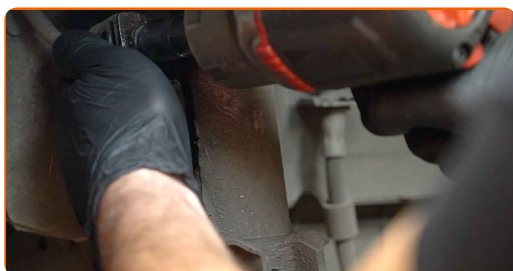
9 Remove the wheel.



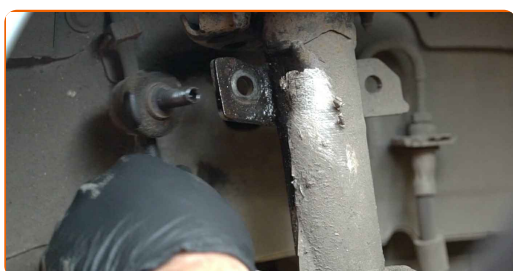
10 Clean the stabiliser link fasteners. Use a wire brush. Use WD-40 spray.



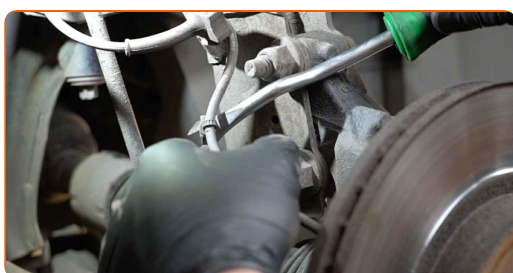
- 11 Unscrew the fastener connecting the stabilizer link to the shock strut. Use a drive socket #15. Use a ratchet wrench.



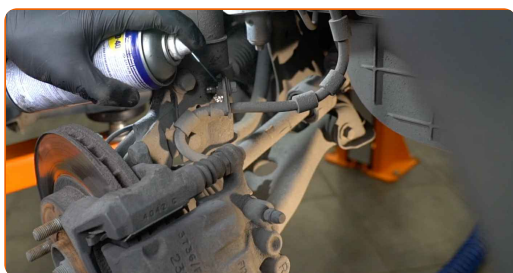
- 12 Remove the stabilizer rod.



- 13 Disconnect the ABS sensor wiring. Use a clip removal tool.



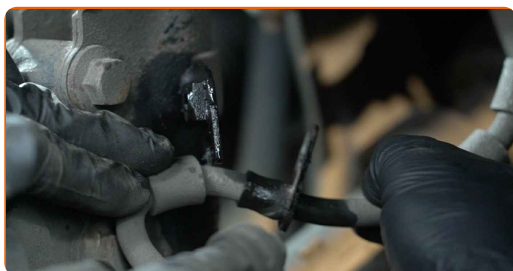
- 14 Clean the fasteners connecting the brake hose to the shock strut. Use a wire brush. Use WD-40 spray.



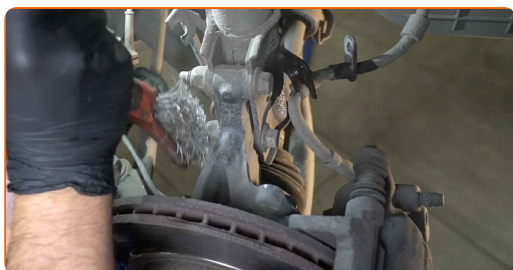
15 Disconnect the brake hose holder from the shock absorber strut. Use a drive socket #10. Use a ratchet wrench.



16 Detach the brake hose from the shock strut.



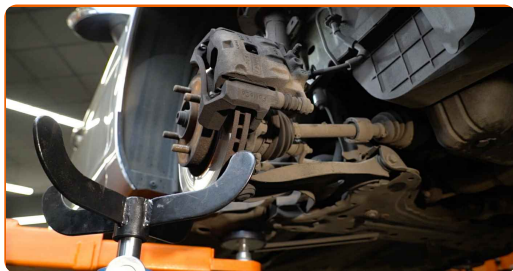
17 Clean the fasteners connecting the shock strut to the steering knuckle. Use a wire brush. Use WD-40 spray.



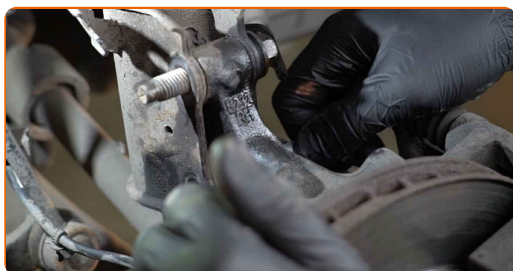
18 Unscrew the lower fastener connecting the shock strut to the steering knuckle. Use a combination spanner #15. Use a drive socket #18. Use a ratchet wrench.



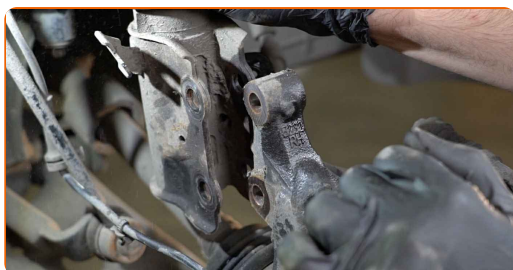
19 Prop up the steering knuckle. Use a hydraulic transmission jack.



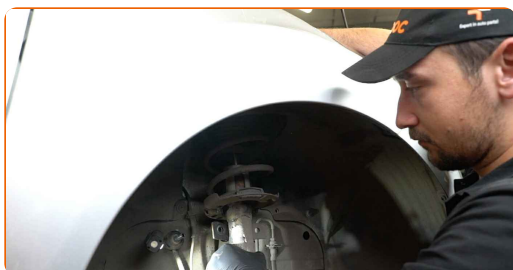
20 Remove the fastening bolts.



21 Disconnect the steering knuckle from the shock absorber strut.



22 Unscrew the top fastening of the shock strut mount.



AUTODOC recommends:

- Ford Fiesta JA8 – To avoid injury, hold the suspension strut while unscrewing the fastening bolts.

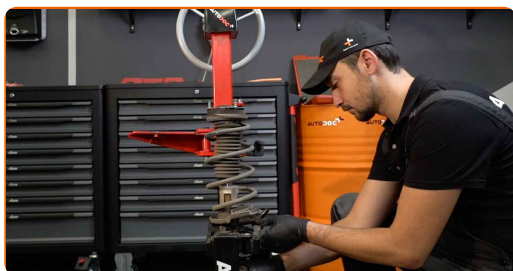
23

Remove the suspension strut.



24

Set the shock absorber strut on the spring compressor tool.

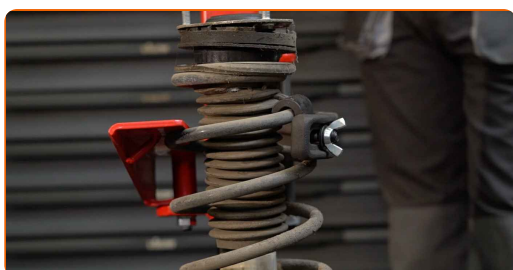


Replacement: suspension strut – Ford Fiesta JA8. AUTODOC recommends:

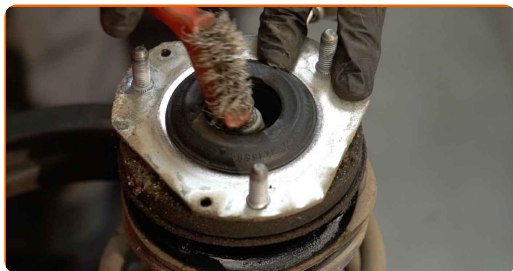
- Note that when using a spring compressor, spring coils need to be securely gripped, compressing the spring on the opposite sides.
- Ensure the correct position of the spring in the retainer.
- Make sure that the spring coils tightly entered the lock handles.

25

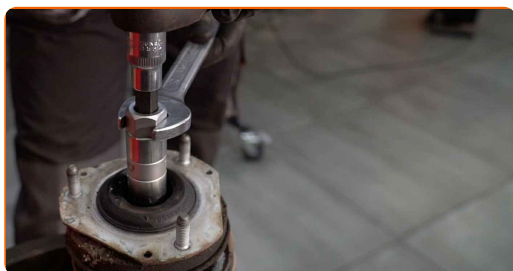
Compress the spring.



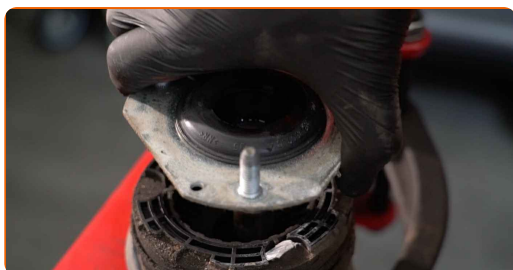
26 Treat the shock strut rod. Use a wire brush. Use WD-40 spray.



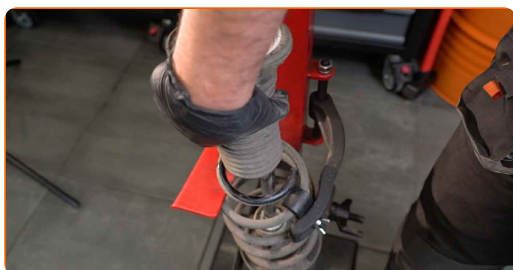
27 Remove the strut piston rod nut. Use HEX No.H6. Use a drive socket #18. Use a ratchet wrench.



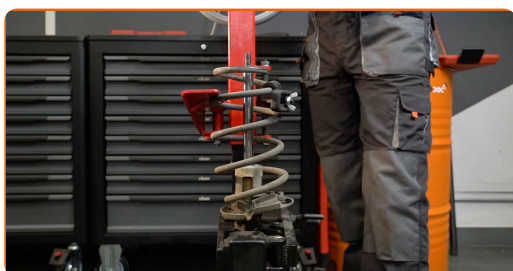
28 Remove the top strut mount.



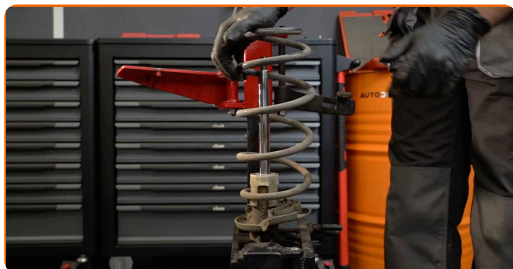
29 Remove the shock absorber dust cap and the bump stop.



30 Release the coil spring.



31 Remove the spring.



AUTODOC recommends:

- Replacement: suspension strut – Ford Fiesta JA8. Carefully inspect the mount, the boot, and the bump stop of the shock absorber. Replace if necessary.

32 Remove the old shock absorber from the hydraulic coil spring compressor.

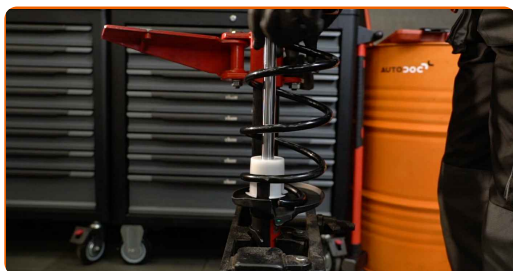
Replacement: suspension strut – Ford Fiesta JA8. Tip:

- Before installing a new shock absorber you should pump it manually 3-5 times.

33 Install the new shock absorber on the hydraulic coil spring compressor.



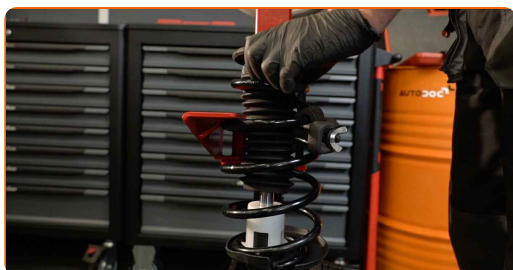
34 Install the spring on the shock absorber.



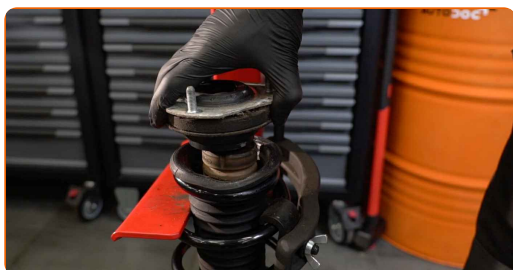
35 Compress the spring.



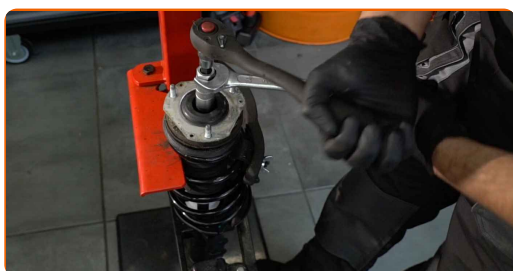
36 Install the dust sleeve and the bump stop on the new shock absorber.



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



38 Tighten the shock strut piston rod nut. Use HEX No.H6. Use a drive socket #18. Use a torque wrench. Tighten it to 48 Nm torque.

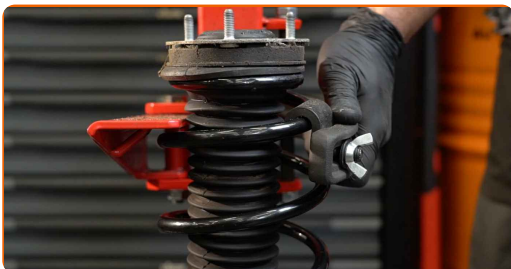


Replacement: suspension strut – Ford Fiesta JA8. Tip from AUTODOC experts:

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

39

Decompress the spring.



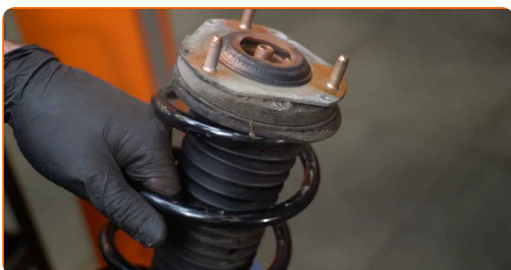
40

Treat the shock strut rod. Use copper grease.



41

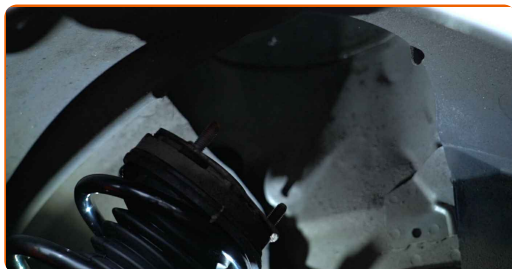
Remove the assembled shock strut.



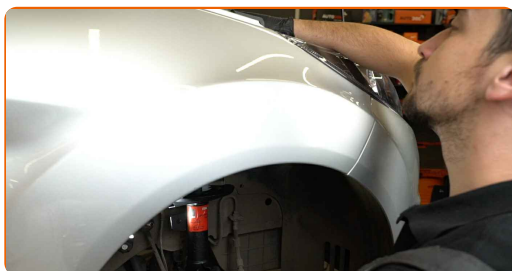
42

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

43 Install the shock strut into the wheel arch.



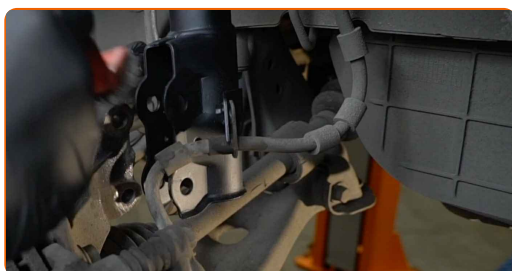
44 Screw the top fastening of the shock strut mount. Do not tighten it.



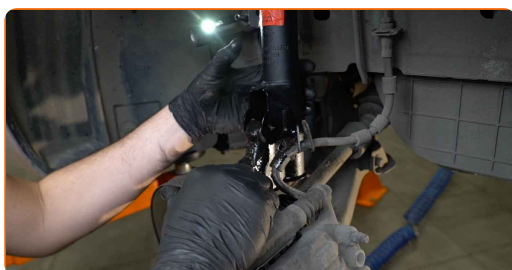
AUTODOC recommends:

- Important! Hold the suspension strut while screwing in the fastening bolts. Ford Fiesta JA8

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



46 Fix the shock absorber strut on the steering knuckle.



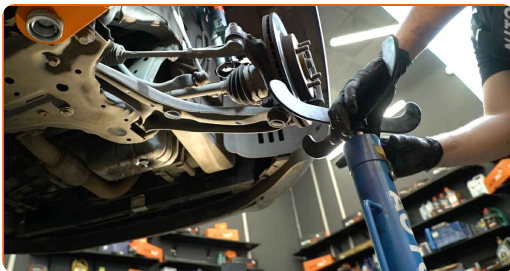
47 Install the fastening bolts.



48 Screw in the fastener that connects the shock strut to the steering knuckle. Use a combination spanner #15. Use a drive socket #18. Use a ratchet wrench.



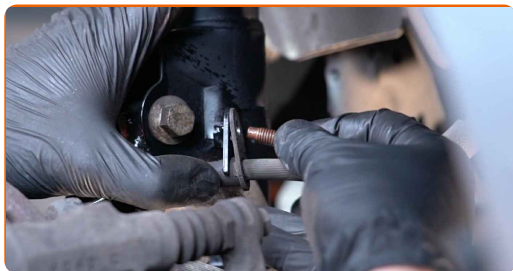
49 Remove the support from under the steering knuckle.



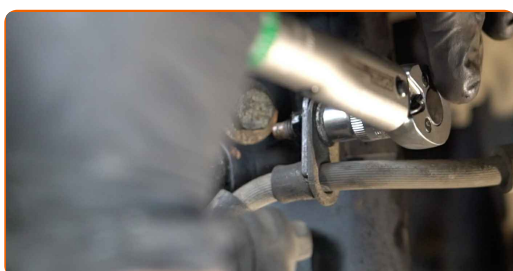
AUTODOC recommends:

- Replacement: suspension strut – Ford Fiesta JA8. Lower the transmission jack smoothly, without jerks, to avoid damaging components and mechanisms.

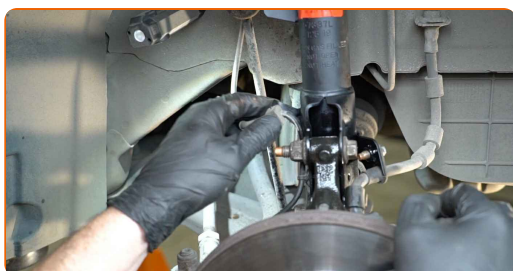
50 Fasten the brake hose on the strut.



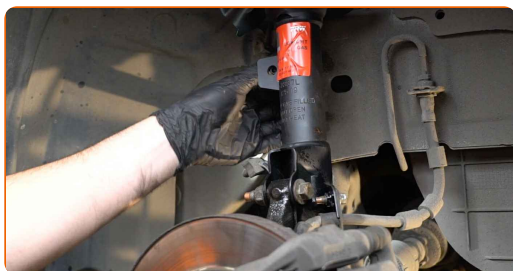
51 Connect the brake hose fastener to the shock absorber strut. Use a drive socket #10. Use a torque wrench. Tighten it to 7 Nm torque.



52 Connect the ABS sensor wiring.



53 Install the transverse stabilizer link.



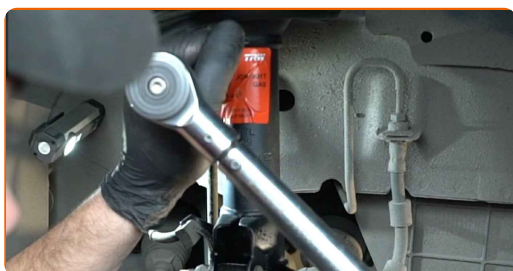
54

Tighten the stabiliser link fastener. Use a drive socket #15. Use a ratchet wrench.



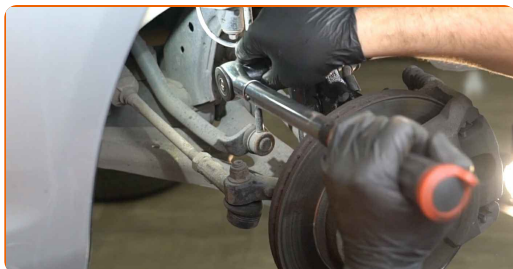
55

Tighten the fastener connecting the stabilizer link to the shock strut. Use a drive socket #15. Use a torque wrench. Tighten it to 48 Nm torque.



56

Tighten the lower fasteners connecting the shock strut to the steering knuckle. Use a combination spanner #15. Use a drive socket #18. Use a torque wrench. Tighten it to 82 Nm torque.+90°



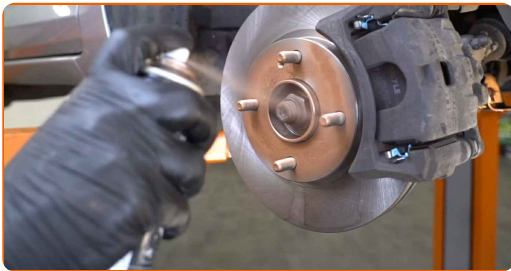
AUTODOC recommends:

- Important! Be sure to use new fasteners.

57 Treat the shock strut fasteners. Use copper grease.



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



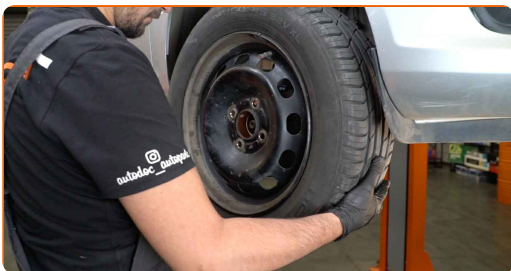
59 Clean the brake disk surface. Use a brake cleaner.



Replacement: suspension strut – Ford Fiesta JA8. Tip from AUTODOC:

- After applying the spray, wait a few minutes.

60 Install the wheel.



AUTODOC recommends:

- Important! Hold the wheel while screwing in the fastening bolts. Ford Fiesta JA8

61

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



62

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 110 Nm torque.



63

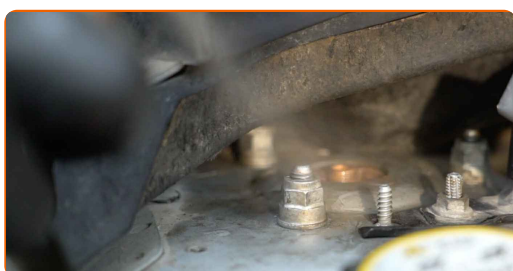
Remove the jacks and chocks.



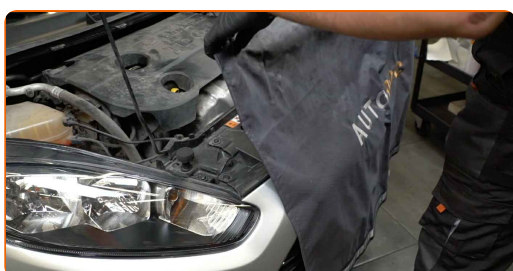
- 64 Tighten the upper fastener of the shock absorber strut mount. Use a combination spanner #13. Use a drive socket #13. Use a torque wrench. Tighten it to 30 nm torque.



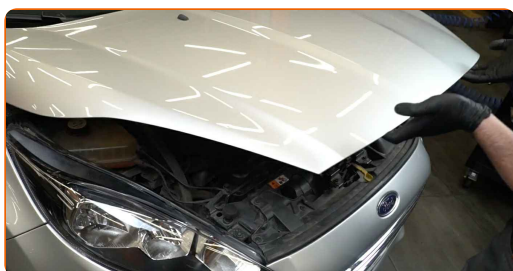
- 65 Treat the fasteners of the shock strut mount. Use copper grease.



- 66 Remove the fender protection cover.



- 67 Close the hood.



WELL DONE! 

VIEW MORE TUTORIALS

AUTODOC – TOP QUALITY AND AFFORDABLE CAR PARTS ONLINE

AUTODOC MOBILE APP: GREAT DEALS AND CONVENIENT SHOPPING



+ AUTODOC

GET IT ON  **Google Play**

 **Download on the App Store**

Download

A GREAT SELECTION OF SPARE PARTS FOR YOUR CAR

BUY SPARE PARTS FOR FORD

SHOCK ABSORBERS: A WIDE SELECTION

CHOOSE CAR PARTS FOR FORD FIESTA JA8

SHOCK ABSORBERS FOR FORD: BUY NOW

**SHOCK ABSORBERS FOR FORD FIESTA JA8: THE BEST
DEALS & OFFERS**

DISCLAIMER:

The document contains only general recommendations that may be useful for you when you perform repair or replacement work. AUTODOC shall not be liable for any loss, injury, damage of property occurring in the repair or replacement process due to incorrect use or misinterpretation of the provided information.

AUTODOC shall not be liable for any possible mistakes and uncertainties in this guide. The information provided is for information purposes only and cannot replace advice from specialists.

AUTODOC shall not be liable for incorrect or hazardous usage of equipment, tools and car parts. AUTODOC strongly recommends to be careful and observe the safety rules when performing repair or replacement works. Remember: usage of low quality auto parts does not guarantee you the appropriate level of road safety.

© Copyright 2022 – All the contents of this website, in particular texts, photographs and graphics, are protected by copyright. All rights, including reproduction, publication, editing and translation rights, are reserved by AUTODOC GmbH.