



How to change front  
strut mount on **FORD**  
**COUGAR (EC\_)** –  
replacement guide

## SIMILAR VIDEO TUTORIAL



This video shows the replacement procedure of a similar car part on another vehicle

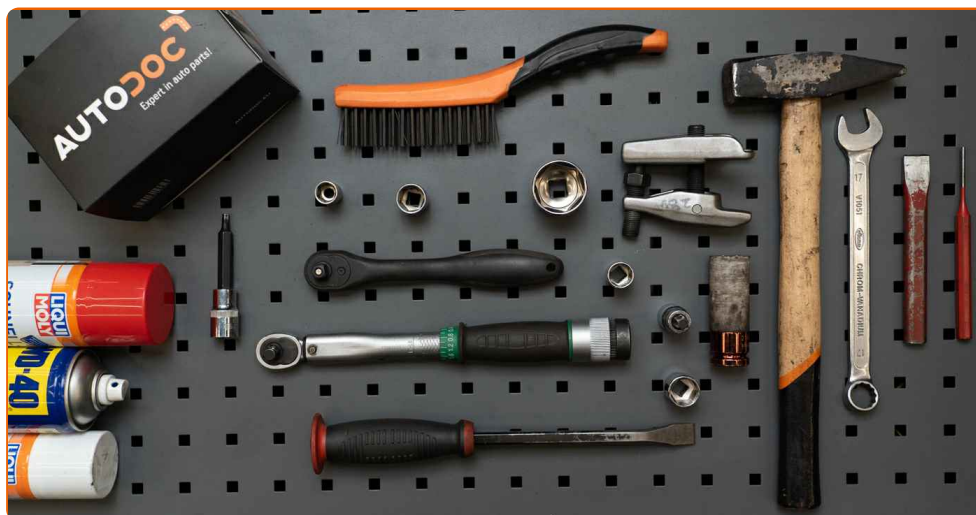
### **Important!**

This replacement procedure can be used for:  
 FORD COUGAR (EC\_) 2.0 16V, FORD COUGAR (EC\_) 2.5 V6 24V, FORD COUGAR (EC\_) 2.5 ST 200

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 Estate (BWY) 1.8 16V

**REPLACEMENT: STRUT MOUNT – FORD COUGAR (EC\_).  
LIST OF THE TOOLS YOU'LL NEED:**



- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Combination spanner #17
- Combination spanner #18
- Drive socket # 13
- Drive socket # 15
- Drive socket # 18
- Drive socket # 32
- HEX bit no.H5.
- HEX bit no.H6.
- Torx bit T55
- Wheel impact socket #19
- Ratchet wrench
- Torque wrench
- Tap wrench
- Flat Screwdriver
- Pin punch
- Flat chisel
- Hammer
- Ball joint puller
- Crow bar
- Hydraulic strut spring compressor
- Fender cover
- Wheel chock

**Buy tools**

**Replacement: strut mount – FORD COUGAR (EC\_). Professionals recommend:**

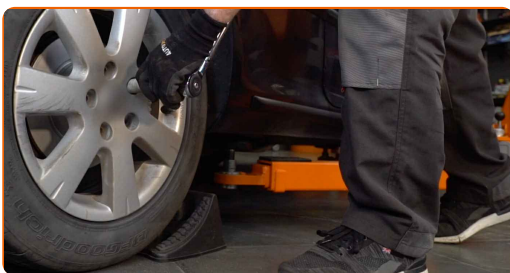
- The replacement procedure is identical for the mounts of the left and right shock struts of the front suspension.
- All mounts of the front shock struts should be replaced simultaneously.
- Please note: all work on the car – FORD COUGAR (EC\_) – should be done with the engine switched off.

**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 front of the car and secure on supports.

**4** Unscrew the wheel bolts.



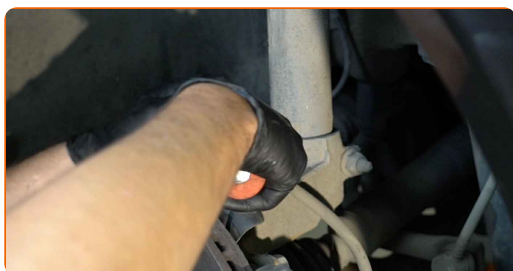
Replacement: strut mount – FORD COUGAR (EC\_). AUTODOC experts recommend:

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

**5** Remove the wheel.



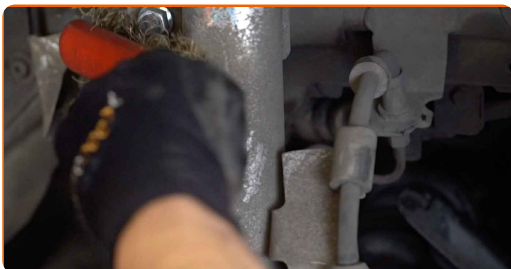
**6** Detach the ABS sensor connector. Use a flat screwdriver.



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

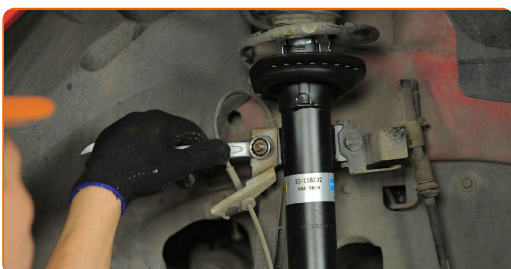
8

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



9

Unscrew the fastener connecting the stabilizer link to the shock strut. Use a combination spanner #17. Use HEX No.H5. Use a ratchet wrench.



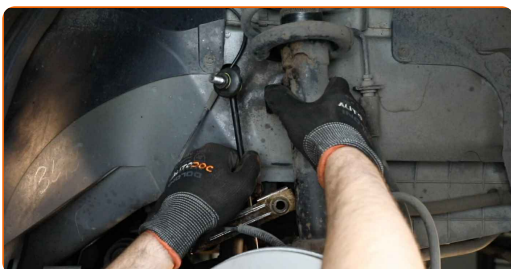
10

Remove the bracket from the shock absorber strut.



11

Remove the stabilizer rod.



12

Clean the fastener of the driveshaft. Use a wire brush. Use WD-40 spray.



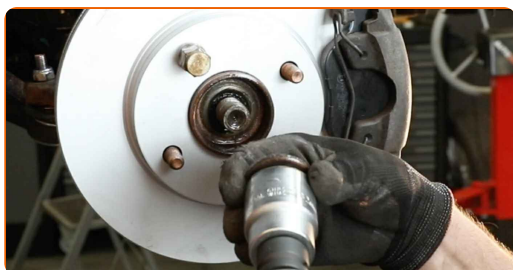
13

Unscrew the fastener connecting the drive shaft to the wheel hub. Use a drive socket #32. Use a tap wrench.



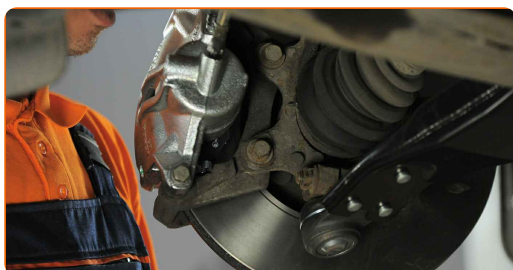
14

Remove the fastening nut.



15

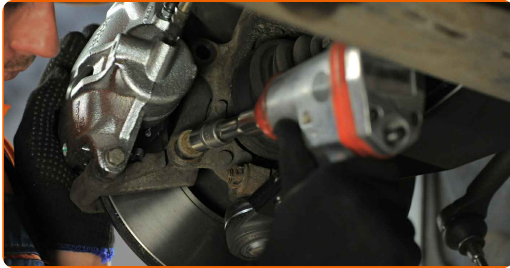
Clean the brake caliper bracket fasteners. Use a wire brush. Use WD-40 spray.





**16**

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



**17**

Remove the fastening bolts (2 pieces).

**18**

Remove the brake caliper together with its bracket.

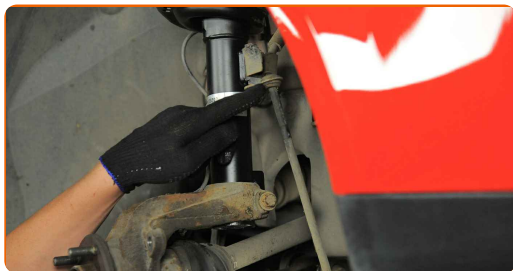


**Replacement: strut mount – FORD COUGAR (EC\_). AUTODOC recommends:**

- 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.



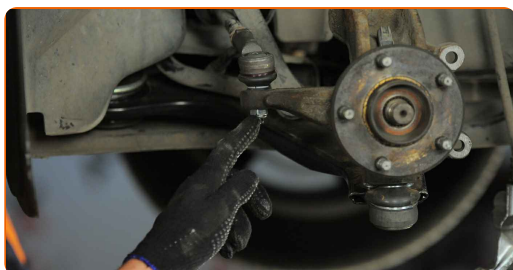
**19** Detach the brake hose from the shock strut. Use a flat screwdriver.



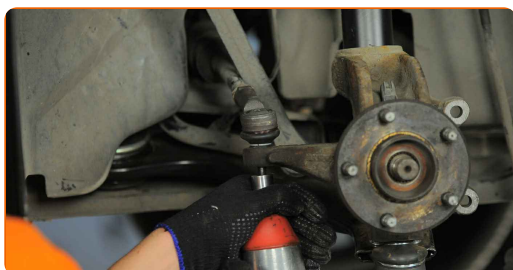
**20** Remove the brake disc.



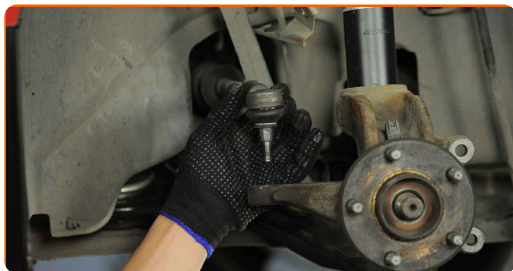
**21** Clean the fastener connecting the tie rod end to the steering knuckle. Use a wire brush. Use WD-40 spray.



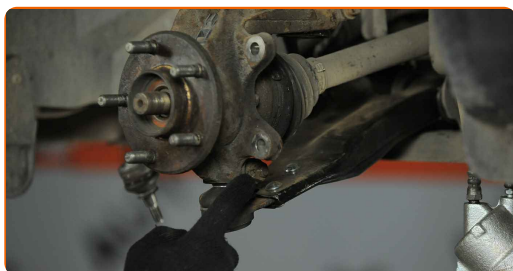
**22** Unscrew the end fastening nut to the steering knuckle. Use a drive socket #15. Use a ratchet wrench.



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



**24** Clean the fastener connecting the ball joint to the steering knuckle. Use a wire brush. Use WD-40 spray.



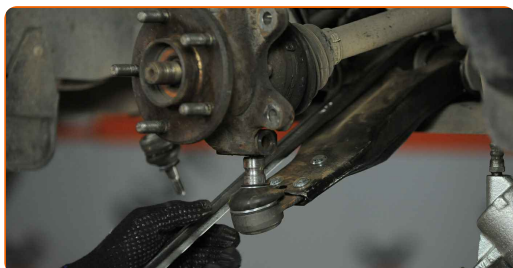
**25** Unscrew the ball joint fastening to the steering knuckle. Use Torx T55. Use a drive socket #18. Use a ratchet wrench.



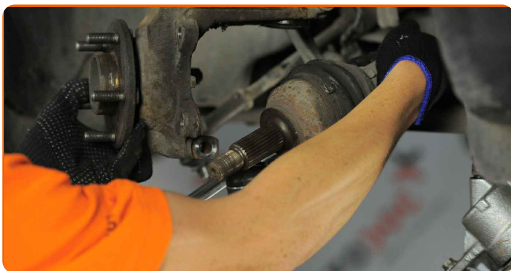
**26** Remove the fastening bolt.

**27** Release the fastener connecting the ball joint to the steering knuckle. Use a flat metal-working chisel. Use a hammer.

**28** Disconnect the ball joint from the steering knuckle. Use a crowbar. Use a hammer.



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



Replacement: strut mount – FORD COUGAR (EC\_). Tip from AUTODOC:

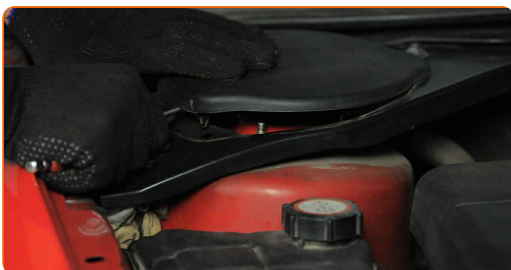
- Make sure that the drive shaft is not unloaded (when the car is jacked).

**30** Lower the car.

**31** Open the bonnet.

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

**33** Remove the protective cap of the shock absorber mount. Use a flat screwdriver.



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

35

Unscrew the top fastening of the shock strut mount. Use a drive socket #13. Use a ratchet wrench.

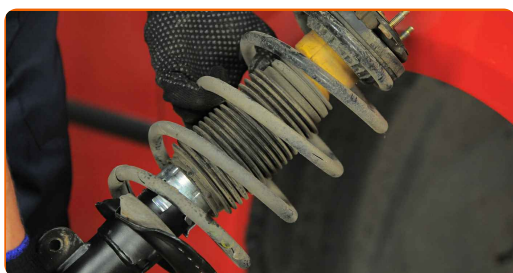


Replacement: strut mount – FORD COUGAR (EC\_). Tip:

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

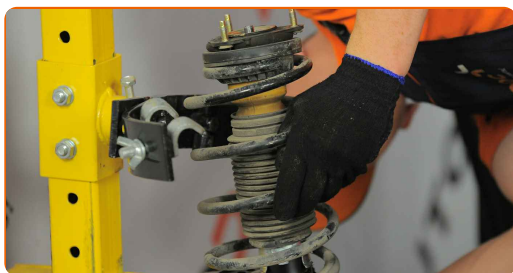
36

Remove the suspension strut.



37

Set the shock absorber strut on the spring compressor tool.

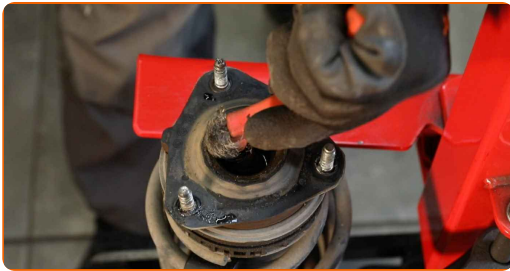


**AUTODOC recommends:**

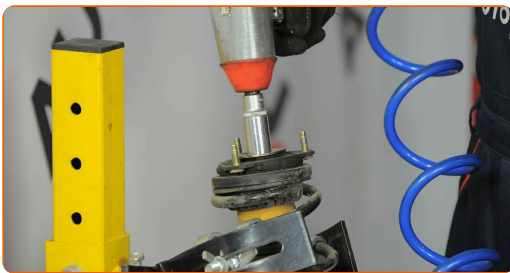
- Note that when using a spring compressor, spring coils need to be securely gripped, compressing the spring on the opposite sides.
- Ensure the correct position of the spring in the retainer.
- Make sure that the spring coils tightly entered the lock handles.

**38** Compress the spring.

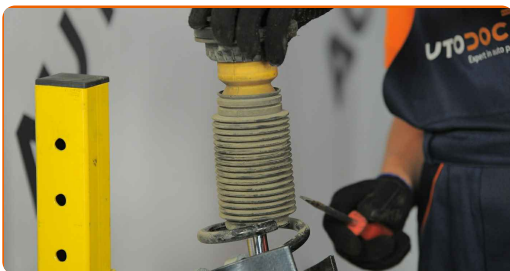
**39** Treat the shock strut rod. Use a wire brush. Use WD-40 spray.



**40** Remove the strut piston rod nut. Use a combination spanner #18. Use HEX No.H6. Use a ratchet wrench.



**41** Remove the shock absorber mount, boot and bump stop. Use a flat screwdriver.



Replacement: strut mount – FORD COUGAR (EC\_). Tip:

- Examine the shock absorber dust cap and the bump stop. Replace them if necessary.

42

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



43

Tighten the shock strut piston rod nut. Use a combination spanner #18. Use HEX No.H6. Use a torque wrench. Tighten it to 58 Nm torque.



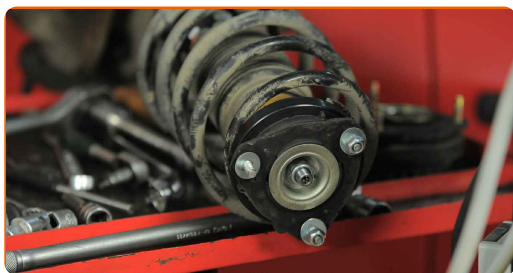
Replacement: strut mount – FORD COUGAR (EC\_). Professionals recommend:

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

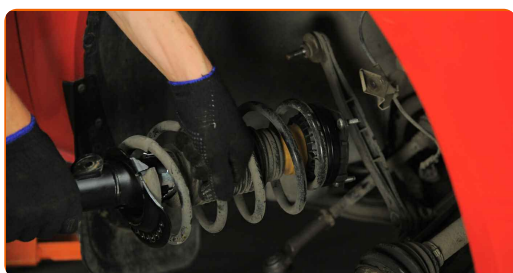
44

Decompress the spring.

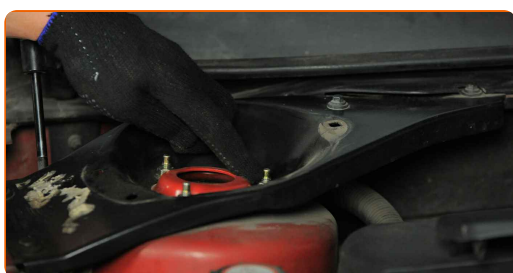
**45** Remove the assembled shock strut.



**46** Install the shock strut into the wheel arch.



**47** Screw the top fastening of the shock strut mount.



**AUTODOC recommends:**

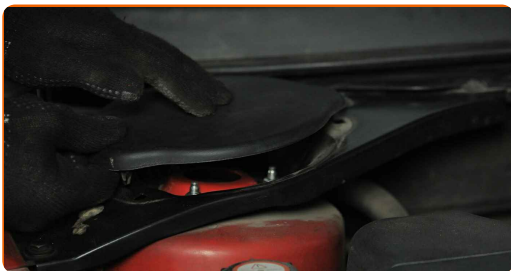
- Important! Hold the suspension strut while screwing in the fastening bolts. FORD COUGAR (EC\_)

**48** Tighten the upper fastener of the shock absorber strut mount. Use a drive socket #13. Use a torque wrench. Tighten it to 30 Nm torque.





**49** Install the protective shock absorber mounting cap.

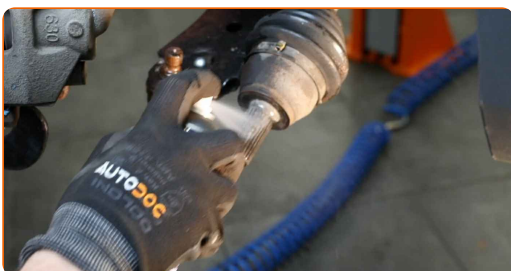


**50** Remove the fender protection cover.

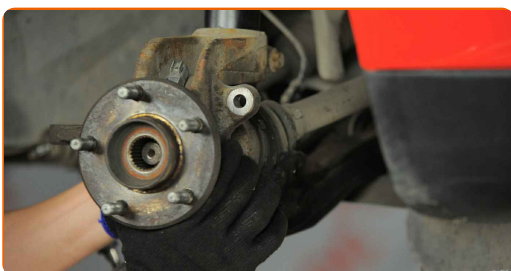
**51** Close the hood.

**52** Raise the front of the car and secure on supports.

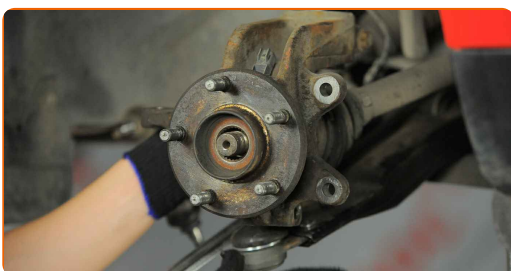
**53** Clean the splines of the drive shaft CV joint. Use a wire brush. Use WD-40 spray.



**54** Mount the drive shaft into the wheel hub.



**55** Connect the ball joint to the steering knuckle.

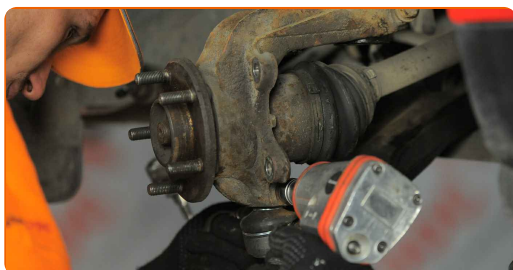


**56** Treat the fastening bolt. Use WD-40 spray.

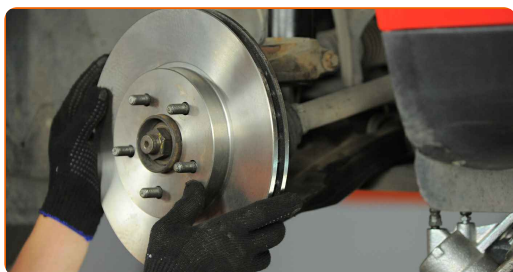


**57** Install the fastening bolt. Use a hammer.

**58** Tighten the ball joint fastener. Use Torx T55. Use a drive socket #18. Use a torque wrench. Tighten it to 83 Nm torque.



**59** Install the brake disc.



**60** Clean the mounting seats of the caliper and its bracket. Use a wire brush. Use WD-40 spray.

**61** Install the brake caliper together with its bracket.



**62**

Install the fastening bolts (2 pieces).

**63**

Tighten the brake caliper bracket. Use a drive socket #15. Use a torque wrench. Tighten it to 75 Nm torque.



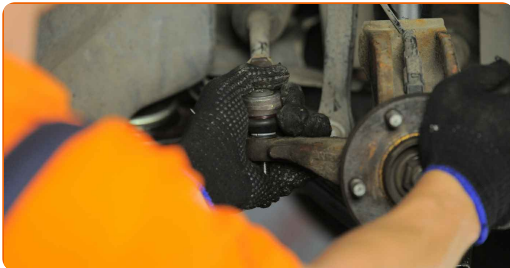
**64**

Fasten the brake hose on the strut.



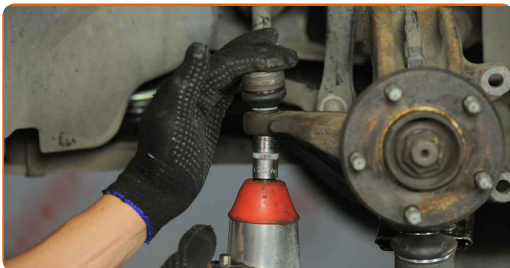
**65**

Connect the tie rod end to the steering knuckle.



**66**

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.



**67**

Treat the fastener connecting the tie rod end to the steering knuckle. Use copper grease.

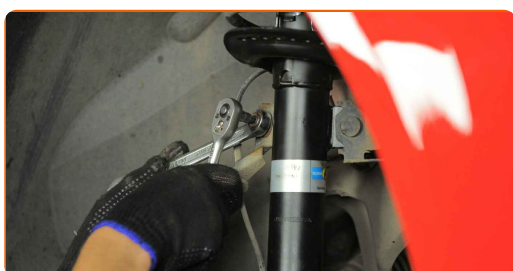
**68**

Install the transverse stabilizer link.

**69** Install the bracket onto the shock absorber strut.



**70** Tighten the fastener connecting the stabilizer link to the shock strut. Use a combination spanner #17. Use HEX No.H5. Use a torque wrench. Tighten it to 48 Nm torque.



**71** Attach the ABS sensor connector.

**72** Install the fastening nut.

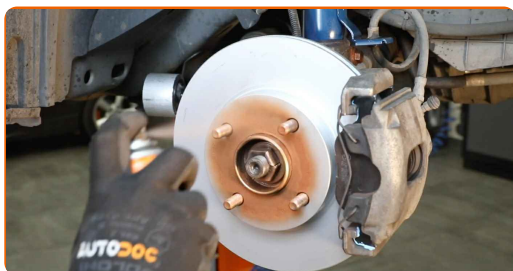


**73** Tighten the drive shaft nut. Use a drive socket #32. Use a torque wrench. Tighten it to 290 Nm torque.



74

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



75

Clean the brake disk surface. Use a brake cleaner.



**AUTODOC recommends:**

- Replacement: strut mount – FORD COUGAR (EC\_). After applying the spray, wait a few minutes.

76

Install the wheel.



Replacement: strut mount – FORD COUGAR (EC\_). AUTODOC experts recommend:

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

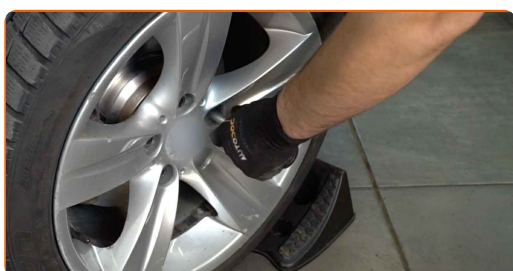
77

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



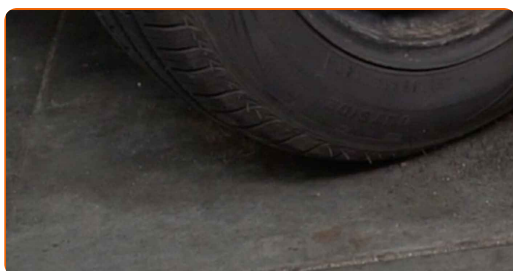
78

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.



79

Remove the jacks and chocks.



**WELL DONE!** 

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