



How to change rear  
shock absorbers on  
**TOYOTA COROLLA**  
**Saloon (E15\_)** –  
replacement guide

### SIMILAR VIDEO TUTORIAL



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

#### **i Important!**

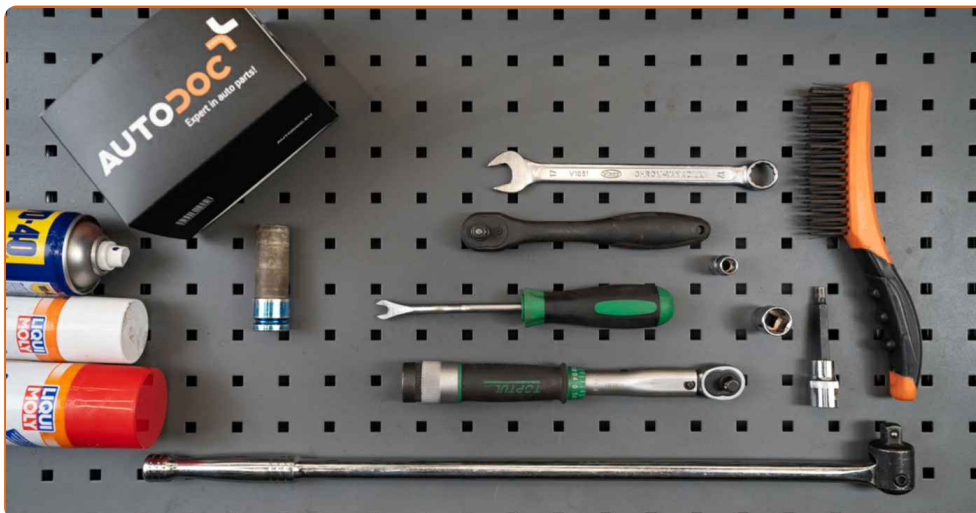
This replacement procedure can be used for:

TOYOTA COROLLA Saloon (E15\_) 1.4 VVT-i, TOYOTA COROLLA Saloon (E15\_) 2.0 D-4D, TOYOTA COROLLA Saloon (E15\_) 1.6 Dual VVTi (ZRE141), TOYOTA COROLLA Saloon (E15\_) 1.33, TOYOTA COROLLA Saloon (E15\_) 1.6, TOYOTA COROLLA Saloon (E15\_) 1.4 D-4D

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: TOYOTA AURIS (NRE15\_, ZZE15\_, ADE15\_, ZRE15\_, NDE15\_) 1.8 Hybrid (ZWE150\_)

**REPLACEMENT: SHOCK ABSORBERS – TOYOTA COROLLA SALOON (E15\_). TOOLS YOU MIGHT NEED:**



- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Combination spanner #17
- Drive socket # 10
- Drive socket # 17
- HEX bit no.H6.
- Wheel impact socket #21
- Ratchet wrench
- Torque wrench
- Clip removal tool
- Hydraulic transmission jack
- Wheel chock

**Buy tools**

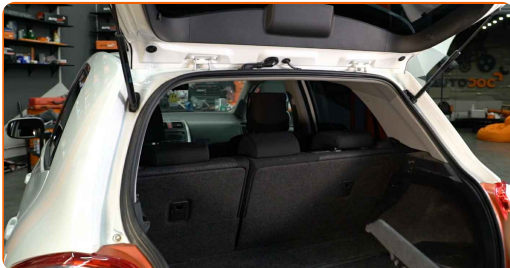
Replacement: shock absorbers – TOYOTA COROLLA Saloon (E15\_). AUTODOC experts recommend:

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

## REPLACEMENT: SHOCK ABSORBERS – TOYOTA COROLLA SALOON (E15\_). RECOMMENDED SEQUENCE OF STEPS:

**1** Open the boot lid.

**2** Move the folding shelf and detach it from the retainers. By doing this, you will get access to the side trim plastic panels.



**3** Fold down the backrests of the rear seats.



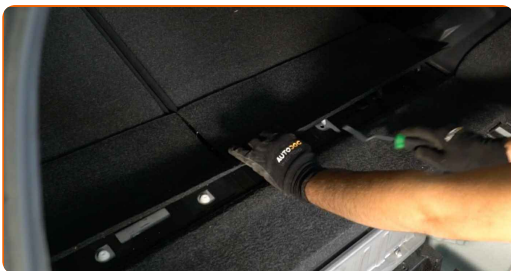
**4** Raise the lower lining of the boot.



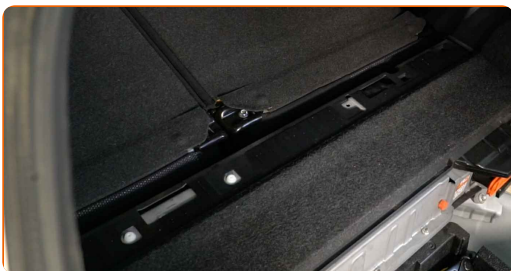
**5** Remove the side plastic cover.



**6** Remove the clips of the boot front lower lining.



**7** Remove the boot front lower lining. Use a clip removal tool.



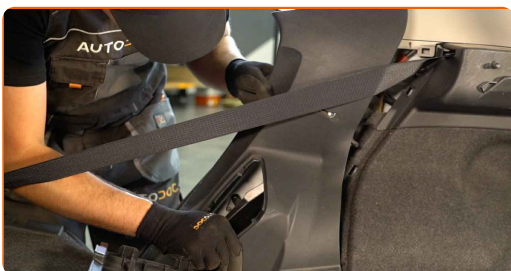
**8** Unscrew the fastener of the central protective plastic panel. Use a drive socket #10. Use a ratchet wrench.



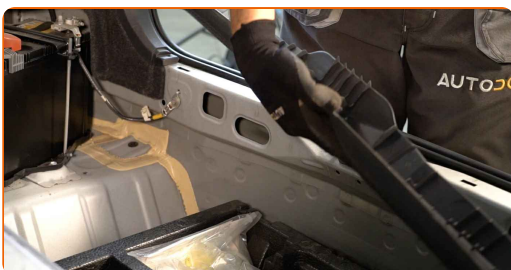
**9** Lift up the central plastic cover (the battery cover).



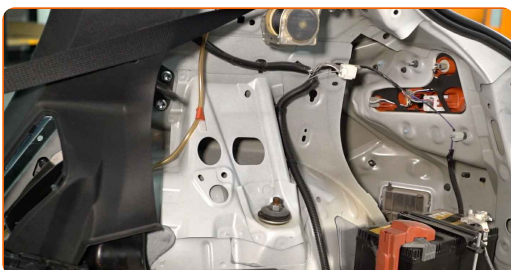
**10** Remove the seat belt trim cover.



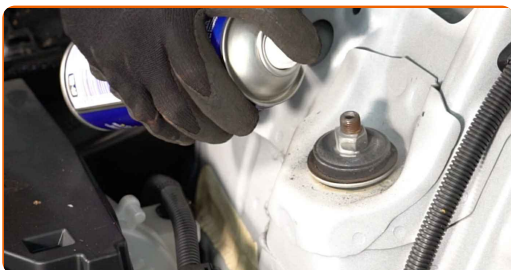
**11** Remove the plastic door sill plate.



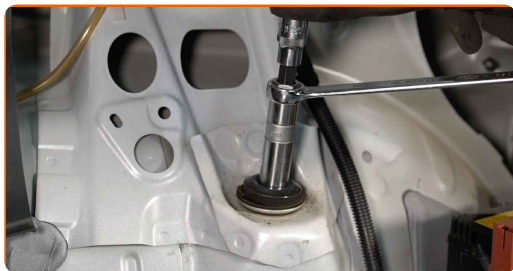
**12** Unscrew the fastener and remove the boot side sound insulation.



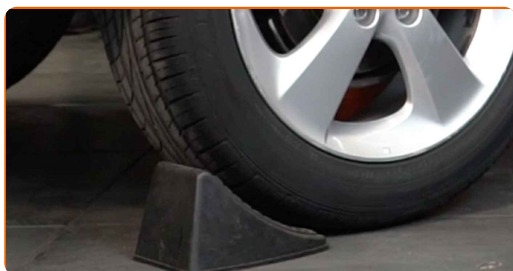
**13** Clean the fasteners of the shock absorber upper mount. Use a wire brush. Use WD-40 spray.



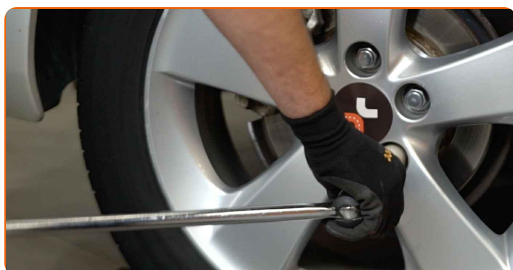
**14** Loosen the upper fastener of the shock absorber. Use HEX No.H6. Use a drive socket #17. Use a ratchet wrench.



**15** Secure the wheels with chocks.

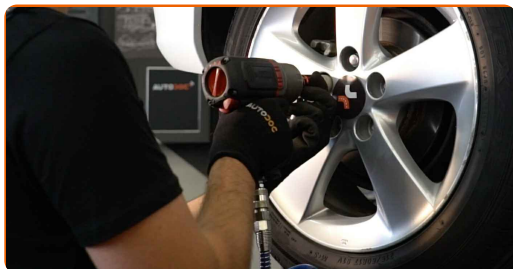


**16** Loosen the wheel mounting bolts. Use wheel impact socket #21.



**17** Raise the rear of the car and secure on supports.

**18** Unscrew the wheel bolts.

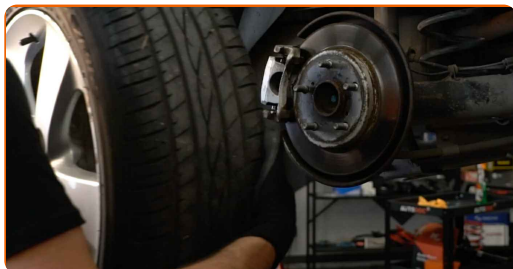


Replacement: shock absorbers – TOYOTA COROLLA Saloon (E15\_). Tip:

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

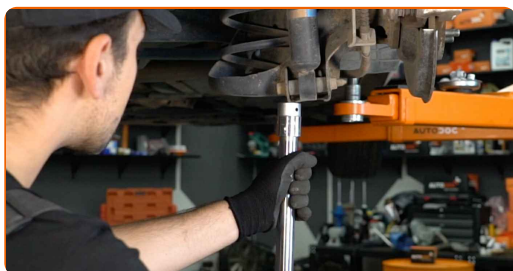
19

Remove the wheel.



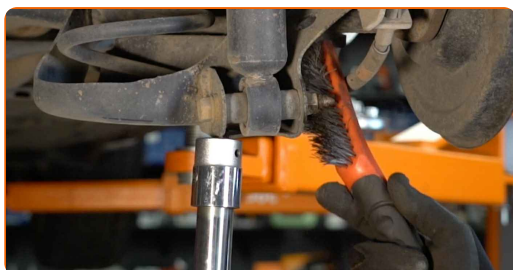
20

Support the rear suspension beam. Use a hydraulic transmission jack.



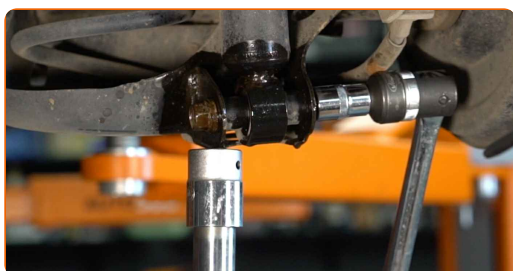
21

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



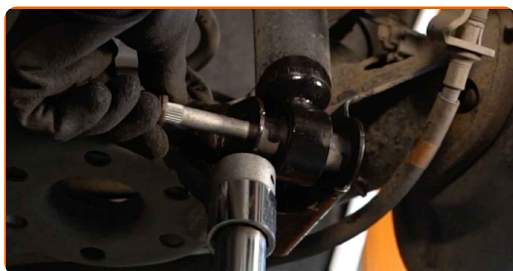
22

Unscrew the lower fastener of the shock absorber. Use a combination spanner #17. Use a drive socket #17. Use a ratchet wrench.

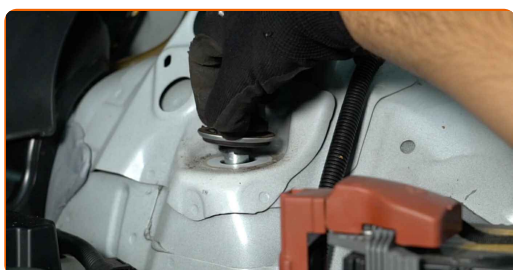




**23** Remove the fastening bolt.



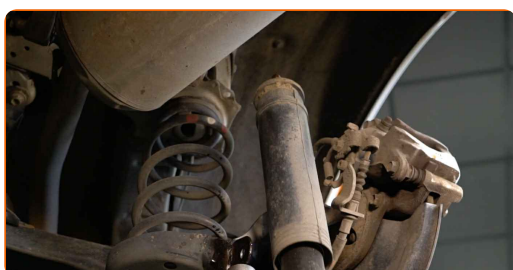
**24** Unscrew the upper fastener of the shock absorber.



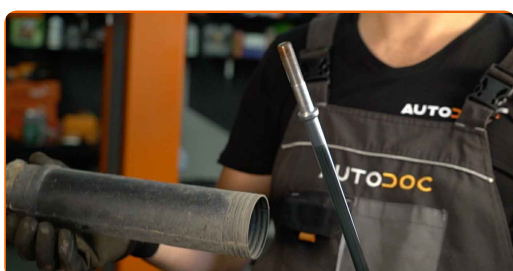
Replacement: shock absorbers – TOYOTA COROLLA Saloon (E15\_). AUTODOC recommends:

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

**25** Remove the shock absorber.



**26** Remove the shock absorber dust cap and the bump stop.

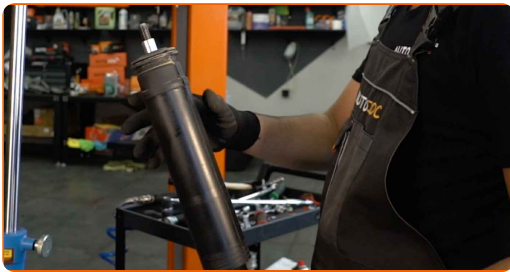


Replacement: shock absorbers – TOYOTA COROLLA Saloon (E15\_). Tip from AUTODOC:

- Examine the shock absorber dust cap and the bump stop. Replace them if necessary.
- Before installing a new shock absorber you should pump it manually 3-5 times.

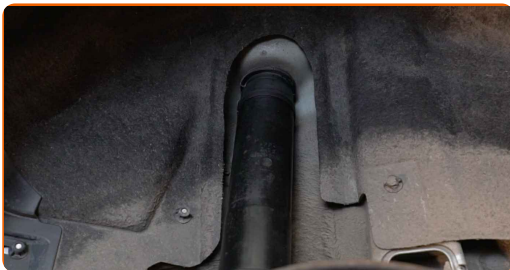
27

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



28

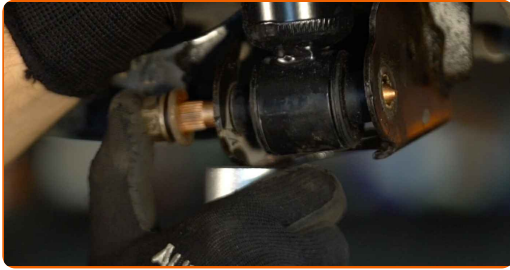
Place the shock absorber in the wheel arch and secure it.



AUTODOC recommends:

- Important! Hold the shock absorber while screwing in the fastening bolts.  
TOYOTA COROLLA Saloon (E15\_)

**29** Install the fastening bolt.



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



**31** Tighten the lower fastener of the shock absorber. Use a combination spanner #17. Use a drive socket #17. Use a torque wrench. Tighten it to 75 Nm torque.



**32** Remove the mounting from under the rear axle beam.



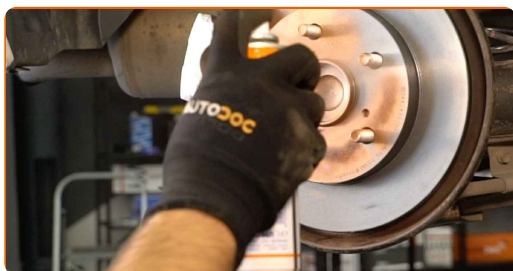
**AUTODOC recommends:**

- Replacement: shock absorbers – TOYOTA COROLLA Saloon (E15\_). Lower the transmission jack smoothly, without jerks, to avoid damaging components and mechanisms.

**33** Treat the shock absorber fasteners. Use copper grease.



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



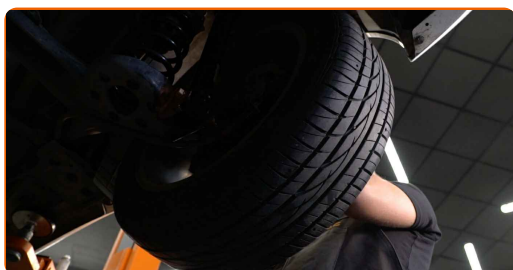
**35** Clean the brake disk surface. Use a brake cleaner.



Replacement: shock absorbers – TOYOTA COROLLA Saloon (E15\_). Tip from AUTODOC experts:

- After applying the spray, wait a few minutes.

**36** Install the wheel.

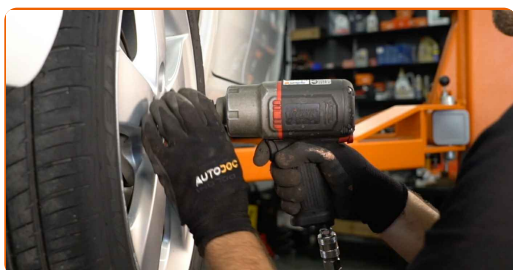


**AUTODOC recommends:**

- Important! Hold the wheel while screwing in the fastening bolts. TOYOTA COROLLA Saloon (E15\_)

**37**

Screw in the wheel bolts. Use wheel impact socket #21.



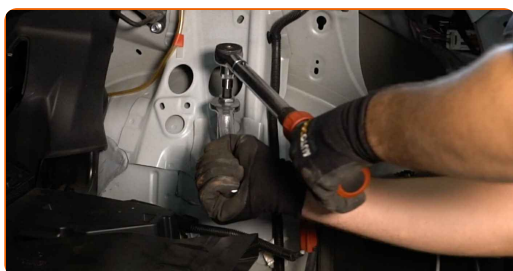
**38**

Lower the car and working in a cross order, tighten the wheel bolts. Use wheel impact socket #21. Use a torque wrench. Tighten it to 103 nm torque.



**39**

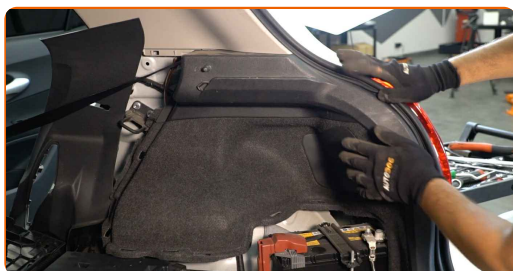
Tighten the top shock absorber fastening. Use HEX No.H6. Use a drive socket #17. Use a torque wrench. Tighten it to 25 Nm torque.



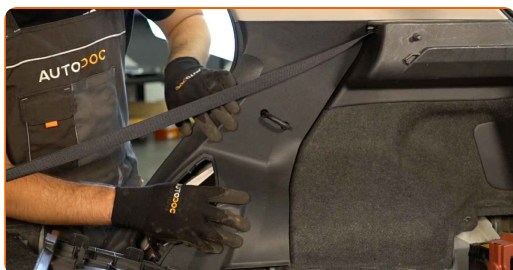
**40** Treat the shock absorber fasteners. Use copper grease.



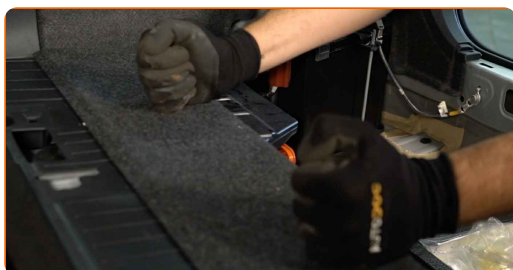
**41** Install the boot side sound insulation and screw in its fasteners.



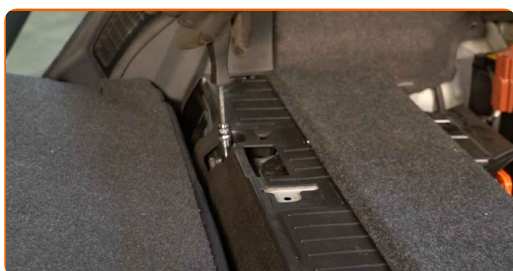
**42** Install the seat belt trim cover.



**43** Install the central protective plastic panel.



**44** Screw in the fastener of the central protective plastic panel. Use a drive socket #10. Use a ratchet wrench.



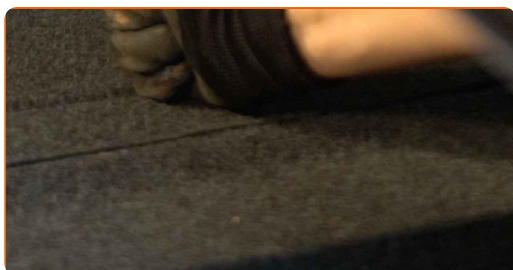
**45** Install the plastic door sill plate.



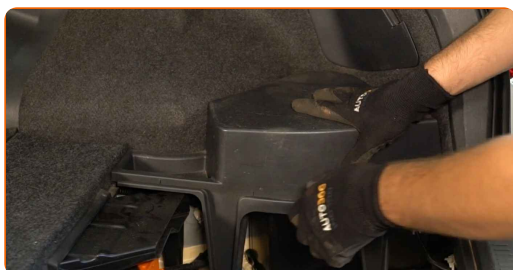
**46** Install the boot front lower lining.



**47** Install the clips of the boot front lower lining.



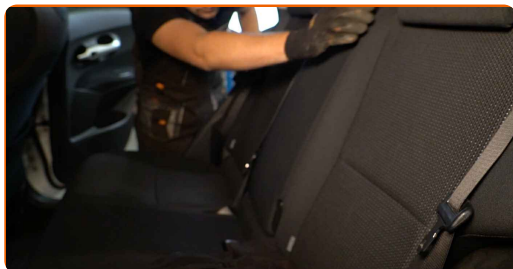
**48** Install the side plastic panel.



**49** Put down the lower lining of the boot.



**50** Return the seat to its original position.

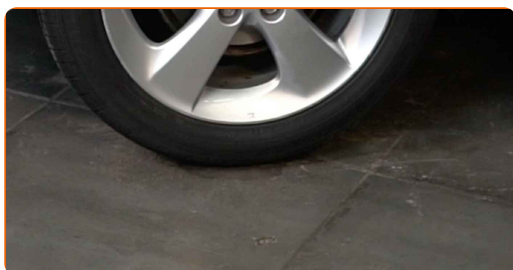


**51** Install the folding shelf to its mounting seat.



**52** Close the lid of the luggage compartment.

**53** Remove the jacks and chocks.



**WELL DONE!** 

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