



How to change rear
shock absorbers on
TOYOTA Corolla Saloon
(_E18_, ZRE1_) –
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:

TOYOTA Corolla Saloon (_E18_, ZRE1_) 1.3 (NRE180_), TOYOTA Corolla Saloon (_E18_, ZRE1_) 1.4 D-4D (NDE180_), TOYOTA Corolla Saloon (_E18_, ZRE1_) 1.6 (ZRE181_)

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 (_E18_, ZRE1_). 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

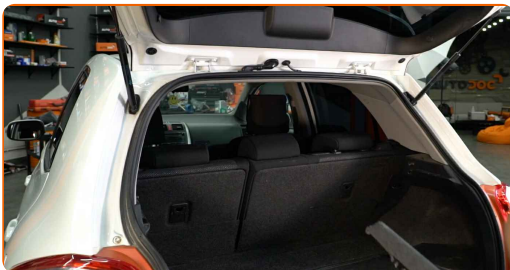
Replacement: shock absorbers – TOYOTA Corolla Saloon (_E18_, ZRE1_).
AUTODOC experts recommend:

- 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 (_E18_, ZRE1_). 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.



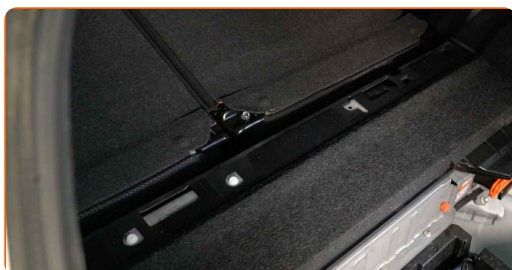
5 Remove the side plastic cover.



6 Remove the clips of the boot front lower lining.



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



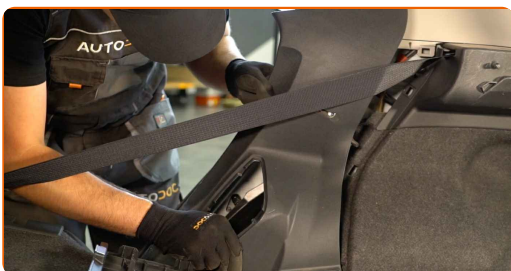
8 Unscrew the fastener of the central protective plastic panel. Use a drive socket #10. Use a ratchet wrench.



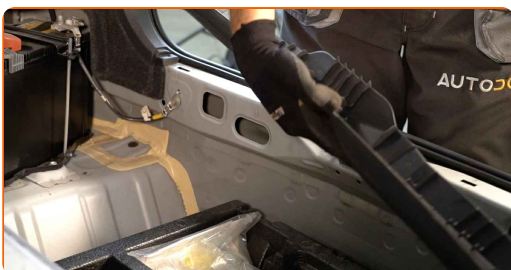
9 Lift up the central plastic cover (the battery cover).



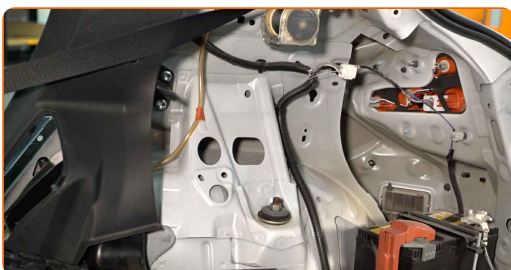
10 Remove the seat belt trim cover.



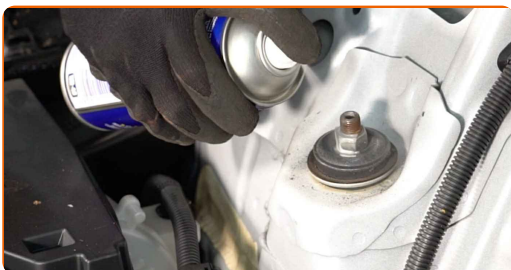
11 Remove the plastic door sill plate.



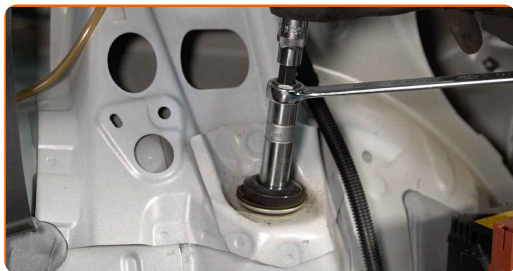
12 Unscrew the fastener and remove the boot side sound insulation.



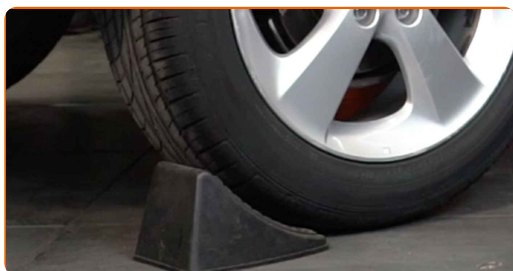
13 Clean the fasteners of the shock absorber upper mount. Use a wire brush. Use WD-40 spray.



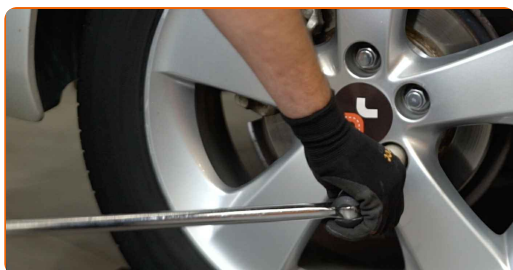
14 Loosen the upper fastener of the shock absorber. Use HEX No.H6. Use a drive socket #17. Use a ratchet wrench.



15 Secure the wheels with chocks.

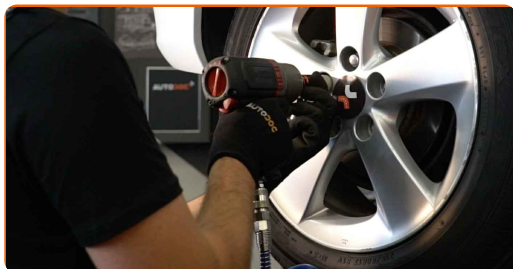


16 Loosen the wheel mounting bolts. Use wheel impact socket #21.



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

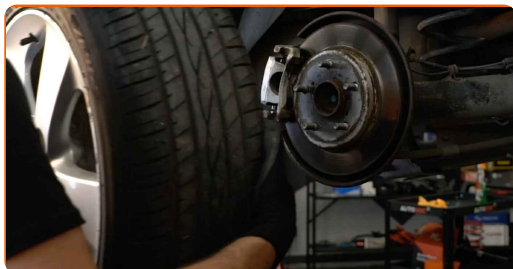
18 Unscrew the wheel bolts.



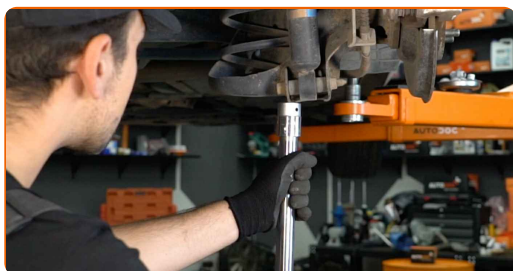
Replacement: shock absorbers – TOYOTA Corolla Saloon (_E18_, ZRE1_). Tip:

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

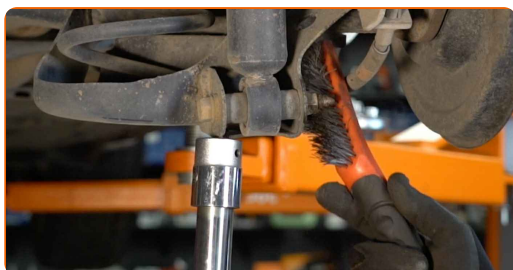
19 Remove the wheel.



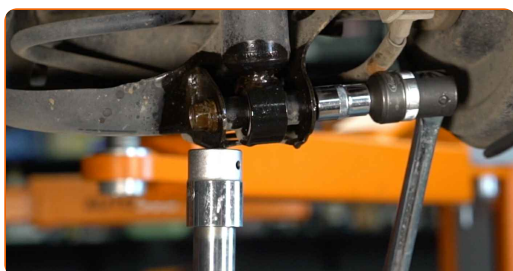
20 Support the rear suspension beam. Use a hydraulic transmission jack.



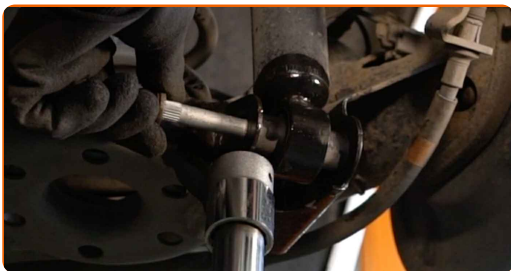
21 Clean the shock absorber fasteners. Use a wire brush. Use WD-40 spray.



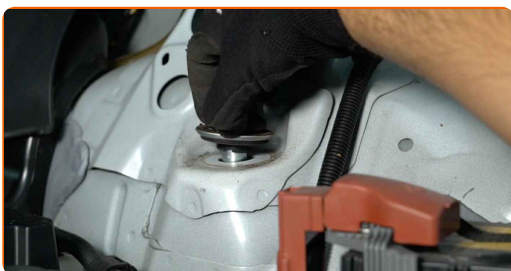
22 Unscrew the lower fastener of the shock absorber. Use a combination spanner #17. Use a drive socket #17. Use a ratchet wrench.



23 Remove the fastening bolt.



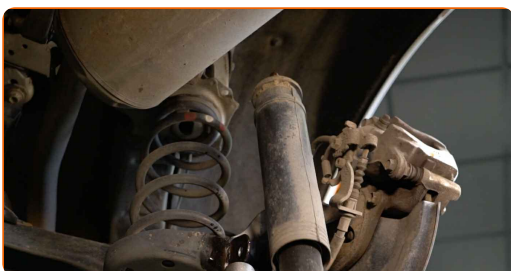
24 Unscrew the upper fastener of the shock absorber.



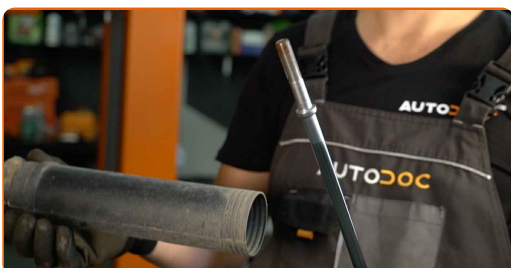
Replacement: shock absorbers – TOYOTA Corolla Saloon (_E18_, ZRE1_).
AUTODOC recommends:

- 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.

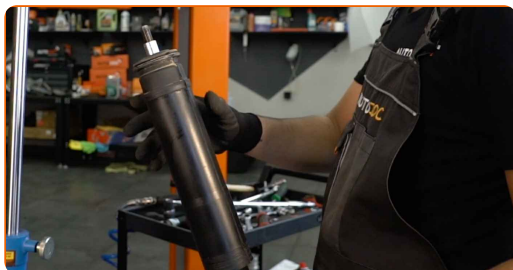


Replacement: shock absorbers – TOYOTA Corolla Saloon (_E18_, ZRE1_). Tip from AUTODOC:

- 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.

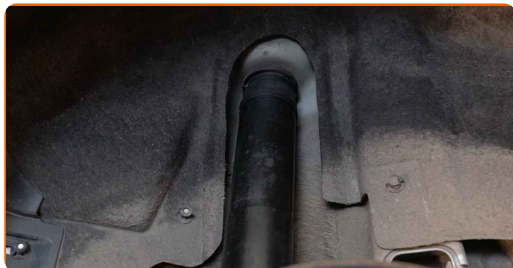
27

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.



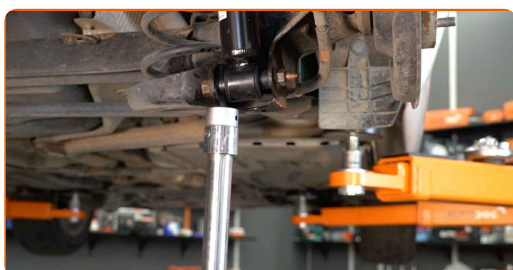
AUTODOC recommends:

- Important! Hold the shock absorber while screwing in the fastening bolts.
TOYOTA Corolla Saloon (_E18_, ZRE1_)

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.



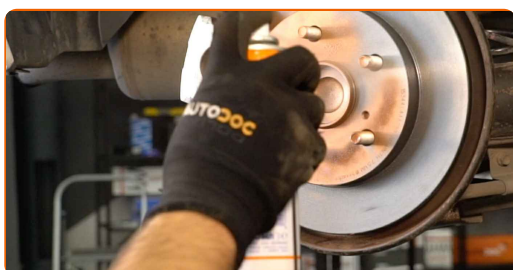
AUTODOC recommends:

- Replacement: shock absorbers – TOYOTA Corolla Saloon (_E18_, ZRE1_). 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 (_E18_, ZRE1_). Tip from AUTODOC experts:

- After applying the spray, wait a few minutes.

36 Install the wheel.

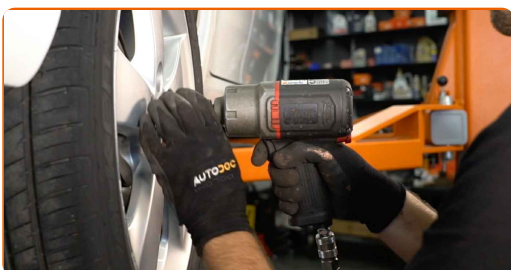


AUTODOC recommends:

- Important! Hold the wheel while screwing in the fastening bolts. TOYOTA Corolla Saloon (_E18_, ZRE1_)

37

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



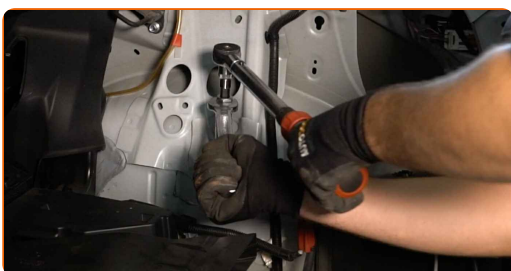
38

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.



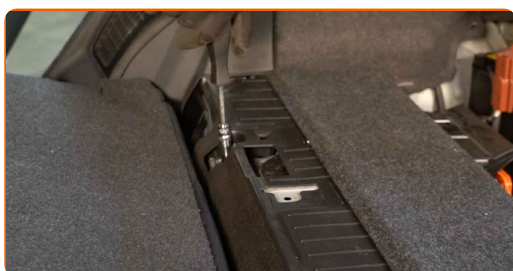
42 Install the seat belt trim cover.



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.



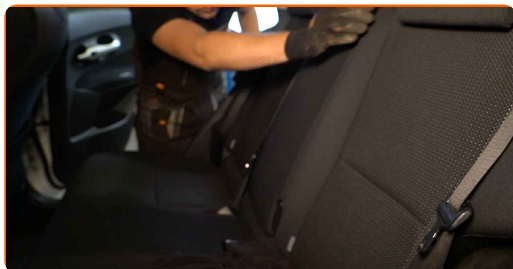
48 Install the side plastic panel.



49 Put down the lower lining of the boot.



50 Return the seat to its original position.

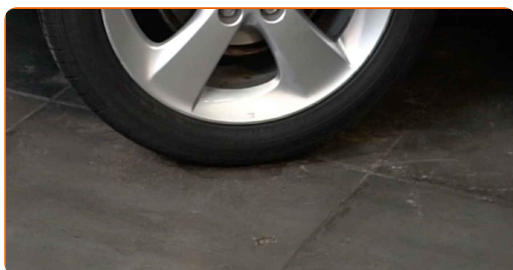


51 Install the folding shelf to its mounting seat.



52 Close the lid of the luggage compartment.

53 Remove the jacks and chocks.



WELL DONE! 

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SHOCK ABSORBERS: A WIDE SELECTION

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