





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:
BMW 1 Hatchback (E81) 116i 1.6, BMW 1 Hatchback (E81) 120d 2.0, BMW 1
Hatchback (E81) 130i 3.0, BMW 1 Hatchback (E81) 118i 2.0, BMW 1 Hatchback (E81) 120i 2.0, BMW 1 Hatchback (E81) 118d 2.0, BMW 1 Hatchback (E81) 123d 2.0, BMW 1 Hatchback (E81) 116i 2.0, BMW 1 Hatchback (E81) 116d 2.0

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: BMW 3 Saloon (E90) 318i 2.0

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REPLACEMENT: SHOCK ABSORBERS – BMW 1 HATCHBACK (E81). TOOLS YOU NEED:



- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Combination spanner #16
- Drive socket # 16
- Drive socket # 17
- Torx bit T25

- Wheel impact socket #17
- Ratchet wrench
- Flat Screwdriver
- Phillips screwdriver
- Adjustable wrench
- Crow bar
- Hydraulic transmission jack
- Wheel chock

Buy tools

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Replacement: shock absorbers – BMW 1 Hatchback (E81). Tip from AUTODOC:

- 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.
- Please note: all work on the car BMW 1 Hatchback (E81) should be done with the engine switched off.

CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:

1

Secure the wheels with chocks.



Loosen the wheel mounting bolts. Use wheel impact socket #17.



Raise the rear of the car and secure on supports.

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4 Unscrew the wheel bolts.



AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while unscrewing the fastening bolts.
 BMW 1 Hatchback (E81)
- Remove the wheel.



Support the stub axle. Use a hydraulic transmission jack.



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

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



- Remove the fastening bolt.
- 10 Remove the support from under the stub axle.



AUTODOC recommends:

- BMW 1 Hatchback (E81) Do not lower the transmission jack sharply to avoid damaging components and mechanisms of the car.
- Detach the lower part of the shock absorber. Use a crowbar.



- Lower the car.
- Open the boot lid.

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14 Remove the boot front lower lining.



Remove the clips from the plastic boot sill guard. Use flat screwdrivers (2 pieces).



Unscrew the fasteners of the plastic boot sill guard. Use a Phillips screwdriver.



17 Remove the plastic door sill plate.



18 Remove the cover of the boot side lining.



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Remove the clips of the boot side lining. Use a flat screwdriver.



Unscrew the fastener of the boot side lining. Use Torx T25. Use a ratchet wrench.



Remove the boot side lining.

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



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

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Unscrew the upper fastener of the shock absorber. Use a combination spanner #16. Use an adjustable wrench.



AUTODOC recommends:

- Important! Hold the shock absorber while unscrewing the fastening bolts. BMW 1 Hatchback (E81)
- Remove the shock absorber.



- Remove the shock absorber upper mount.
- Remove the shock absorber dust cap and the bump stop.



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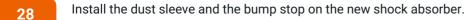






AUTODOC recommends:

- Replacement: shock absorbers BMW 1 Hatchback (E81). Carefully inspect the mount, the boot, and the bump stop of the shock absorber. Replace if necessary.
- Before installing a new shock absorber you should pump it manually 3-5 times.





Install the shock absorber upper mount.

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



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



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AUTODOC recommends:

- Important! Hold the shock absorber while screwing in the fastening bolts. BMW 1 Hatchback (E81)
- Tighten the top shock absorber fastening. Use a combination spanner #16. Use a drive socket #16. Use a torque wrench. Tighten it to 27 Nm torque.



- Treat the shock absorber fasteners. Use copper grease.
- Install the protective shock absorber mounting cap.



35 Attach the side lining of the boot.



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