



How to change right  
engine mounts on **BMW**  
**8 (E31)** – replacement  
guide

## SIMILAR VIDEO TUTORIAL



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

### **i Important!**

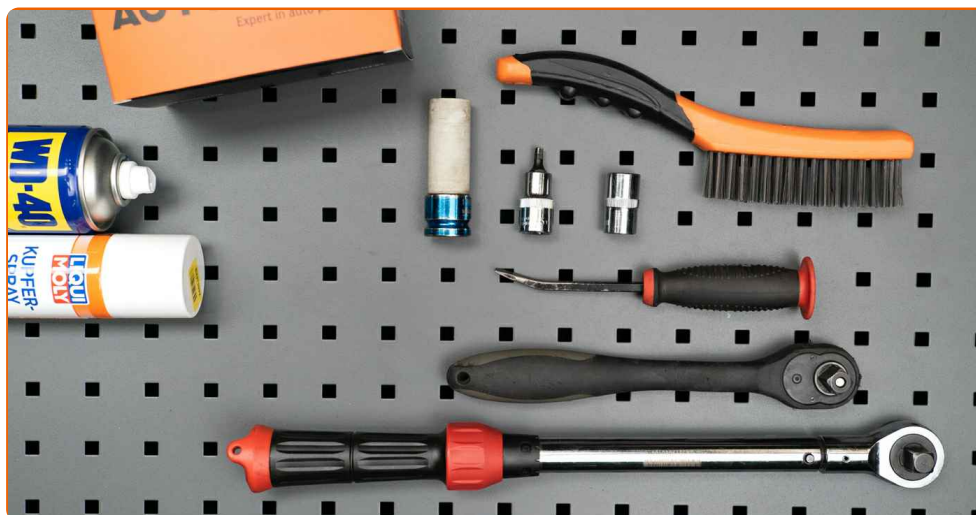
This replacement procedure can be used for:

BMW 8 (E31) 850Ci 5.4, BMW 8 (E31) 840i 4.0, BMW 8 (E31) 840Ci 4.4

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 Touring (E46) 330d 3.0

## REPLACEMENT: ENGINE MOUNTS – BMW 8 (E31). TOOLS YOU NEED:



- Wire brush
- WD-40 spray
- Copper grease
- HEX bit No.H5.
- Drive socket # 16
- Wheel impact socket #17
- Ratchet wrench
- Torque wrench
- Crow bar
- Fender cover
- Hydraulic transmission jack
- Wheel chock

**Buy tools**

Replacement: engine mounts – BMW 8 (E31). AUTODOC experts recommend:

- All work should be done with the engine stopped.

## CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:

**1** Open the bonnet.

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

**3** Secure the wheels with chocks.



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



**5** Lift the car using a jack or place it over an inspection pit.

**6** Unscrew the wheel bolts.

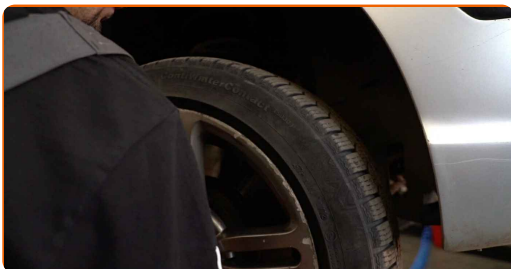


Replacement: engine mounts – BMW 8 (E31). AUTODOC recommends:

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

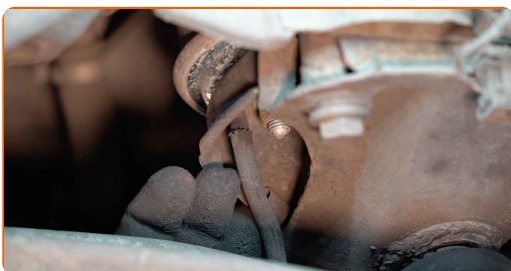
7

Remove the wheel.



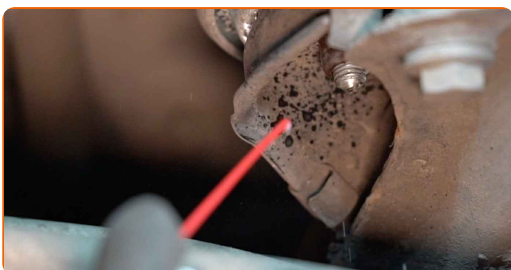
8

Detach the vacuum hose from the engine mount.



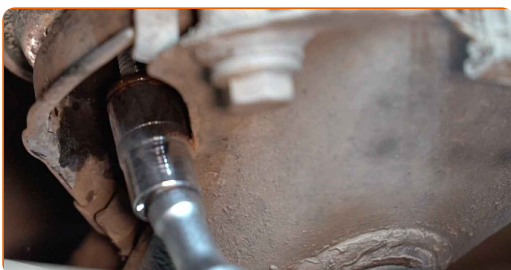
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Treat the lower fastener of the engine mount. Use WD-40 spray.



10

Unscrew the lower fastener of the engine mount. Use a drive socket #16.



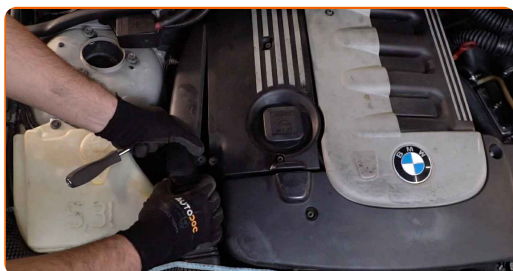
11

Loosen the air intake fastening. Use HEX No.H5. Use a ratchet wrench.



12

Detach the air duct housing from the air filter housing.



13

Unscrew the upper fastener of the engine mount. Use a drive socket #16. Use a ratchet wrench.



14

Support the engine in the oil pan area. Use a hydraulic transmission jack.



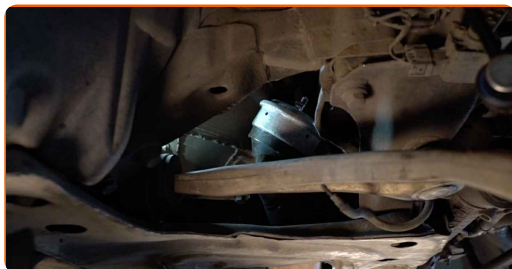
Replacement: engine mounts – BMW 8 (E31). Tip:

- Make sure that the engine is supported.



15

Remove the engine mount. Use a crowbar.



Replacement: engine mounts – BMW 8 (E31). AUTODOC experts recommend:

- Carefully check the other engine mounts and replace them if necessary.

16

Install the engine mount to its mounting seat. Use a crowbar.



17

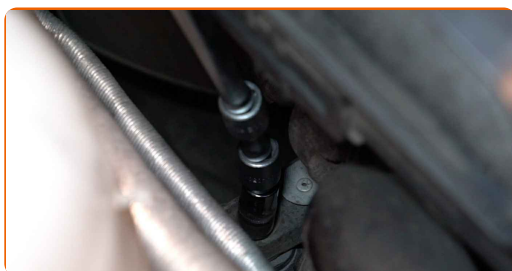
Remove the support from under the engine.



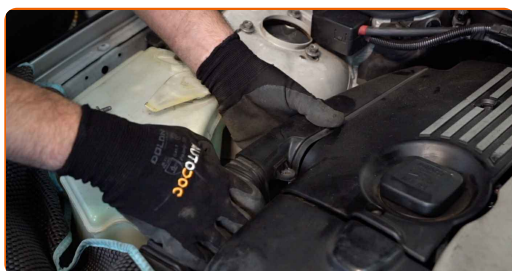
AUTODOC recommends:

- Replacement: engine mounts – BMW 8 (E31). Lower the transmission jack smoothly, without jerks, to avoid damaging components and mechanisms.

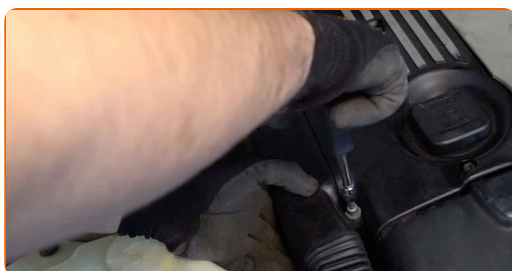
- 18** Tighten the upper fastener of the engine mount. Use a drive socket #16. Use a torque wrench. Tighten it to 65 Nm torque.



- 19** Install the air duct housing.



- 20** Secure the fastener of the air intake duct. Use HEX No.H5. Use a ratchet wrench.



- 21** Tighten the lower fastener of the engine mount. Use a drive socket #16. Use a torque wrench. Tighten it to 65 Nm torque.

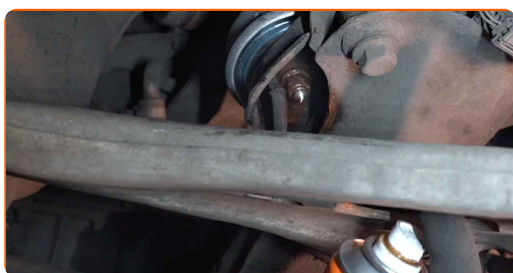




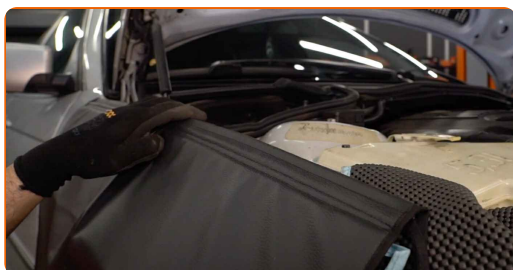
- 22 Attach the vacuum hose to the engine mount.



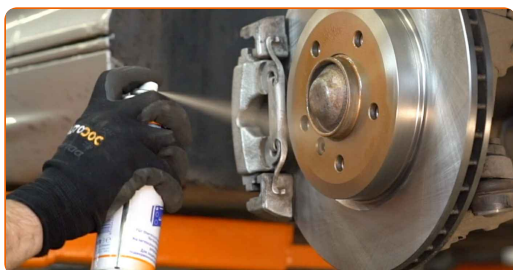
- 23 Treat the engine mount fasteners. Use copper grease.



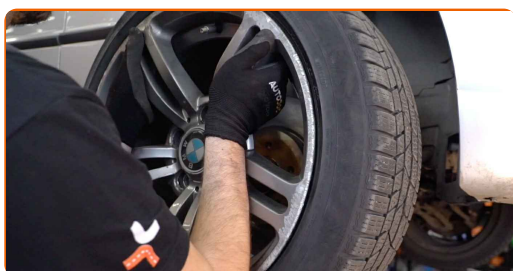
- 24 Remove the fender protection cover.



- 25 Clean the wheel rim mounting seat. Use a wire brush. Treat the contacting surface. Use copper grease.



- 26 Install the wheel.

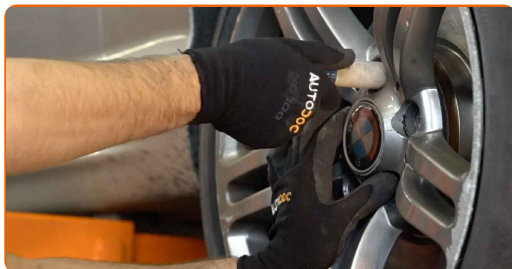


### AUTODOC recommends:

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

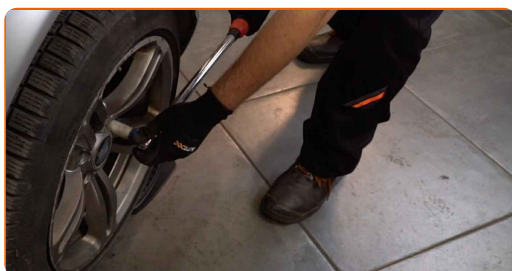
27

Screw in the wheel bolts. Use wheel impact socket #17.



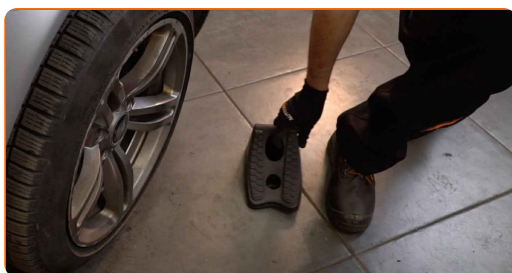
28

Lower the car and working in a cross order, tighten the wheel bolts. Use a torque wrench. Tighten it to 120 Nm torque.



29

Remove the jacks and chocks.



30

Close the hood.

**WELL DONE!** 

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**ENGINE MOUNTS: A WIDE SELECTION**

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