



How to change rocker  
cover gasket on **BMW 3  
Touring (E36)** –  
replacement guide

## SIMILAR VIDEO TUTORIAL



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

### Important!

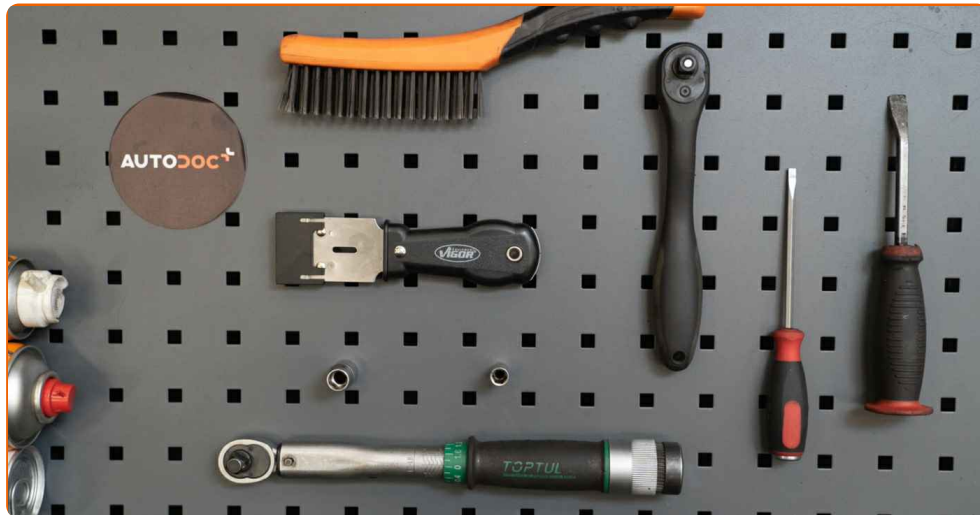
This replacement procedure can be used for:

BMW 3 Touring (E36) 320i 2.0, BMW 3 Touring (E36) 328i 2.8

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 (E36) 323i 2.5

**REPLACEMENT: ROCKER COVER GASKET – BMW 3 TOURING (E36). TOOLS YOU MIGHT NEED:**



- All-purpose cleaning spray
- Electronic spray
- Sealant
- Torque wrench
- Drive socket # 8
- Drive socket # 10
- Ratchet wrench
- Seal scraper
- Flat screwdriver
- Crow bar
- Fender cover

**Buy tools**

Replacement: rocker cover gasket – BMW 3 Touring (E36). AUTODOC experts recommend:

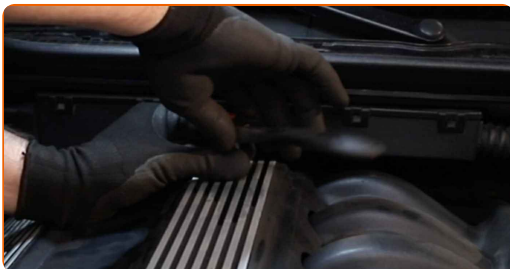
- Replace the gasket every time the valve cover is removed.
- All work should be done with the engine stopped.

## REPLACEMENT: ROCKER COVER GASKET – BMW 3 TOURING (E36). USE THE FOLLOWING PROCEDURE:

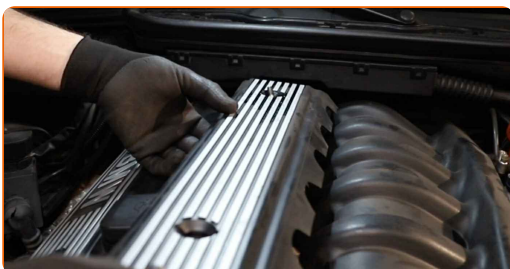
**1** Open the hood.

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

**3** Unscrew the engine cover fastener. Use a drive socket #10. Use a ratchet wrench.



**4** Remove the engine cover.

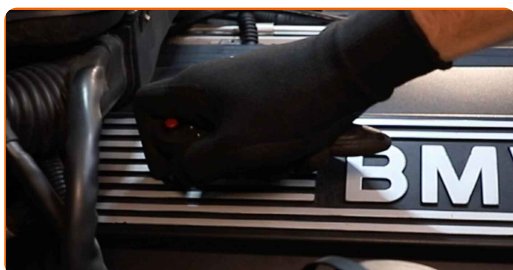


**AUTODOC recommends:**

- Replacement: rocker cover gasket – BMW 3 Touring (E36). Do not use excessive force when removing the part as this may damage it.

**5**

Unscrew the engine cover fastener. Use a drive socket #10. Use a ratchet wrench. Use a flat screwdriver.



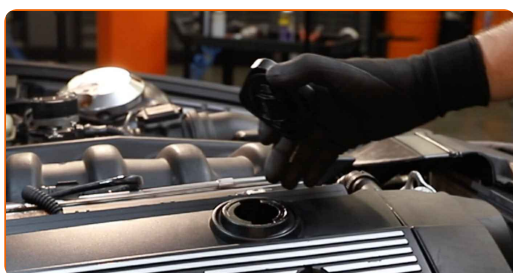
**6**

Unscrew the oil filler plug.



**7**

Remove the oil filler cap.



**8**

Remove the engine cover.



**AUTODOC recommends:**

- Replacement: rocker cover gasket – BMW 3 Touring (E36). To avoid damaging the part when removing it, do not use excessive force.

**9**

Install the oil filler cap.



**10**

Tighten the oil filler cap.



**11**

Unplug the connectors from the ignition coils. Use a crowbar.

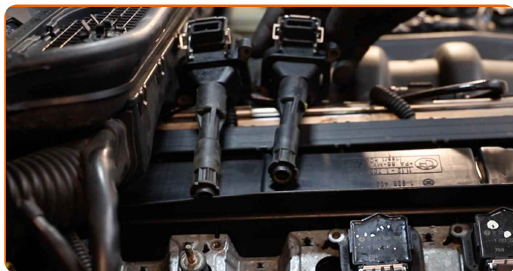


**12**

Unscrew the fasteners of the ignition coils. Use a drive socket #10. Use a ratchet wrench.



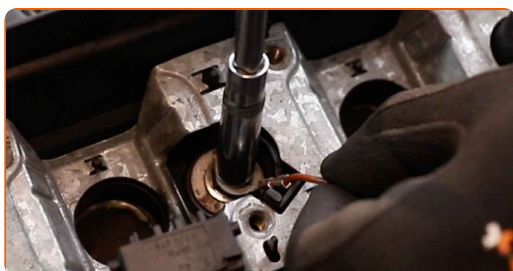
**13** Take out the ignition coils from the spark plug wells.



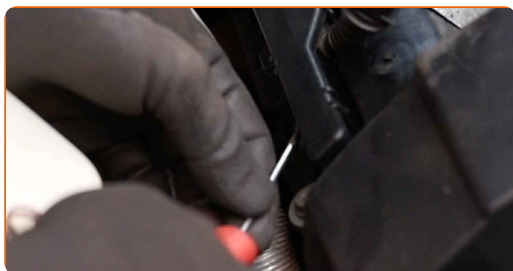
Replacement: rocker cover gasket – BMW 3 Touring (E36). Tip from AUTODOC:

- Remember the sequence of steps for ignition coil demounting.

**14** Unscrew the fastener of the chassis (ground) terminal of the ignition coils. Use a drive socket #8. Use a ratchet wrench.



**15** Raise a little the wiring of the ignition coils and move it aside. Use a flat screwdriver.

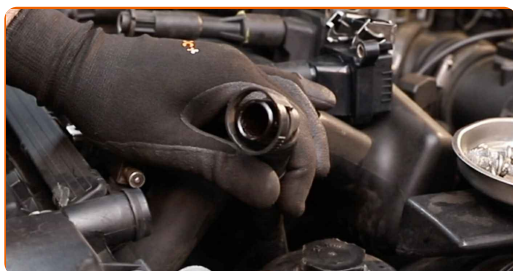




**16** Clean dirt, dust and debris from inside the spark plug wells.



**17** Remove the crankcase ventilation hose.



**18** Unscrew the fastener of the chassis (ground) terminal of the ignition coils. Use a drive socket #8. Use a ratchet wrench.



**19** Unscrew the engine valve cover fasteners. Use a drive socket #10. Use a ratchet wrench.



**20** Remove the engine valve cover.



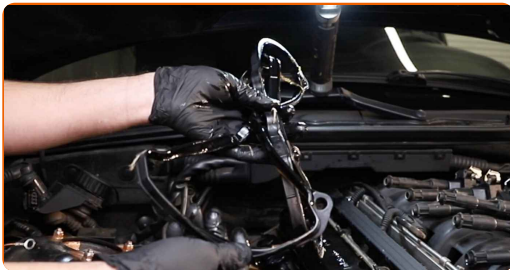


**AUTODOC recommends:**

- Replacement: rocker cover gasket – BMW 3 Touring (E36). Do not use excessive force when removing the part as this may damage it.
- Be careful to prevent dust and dirt getting into the engine.

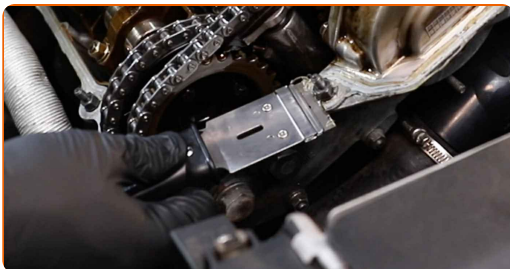
**21**

Remove the valve cover gasket. Use a seal scraper.



**22**

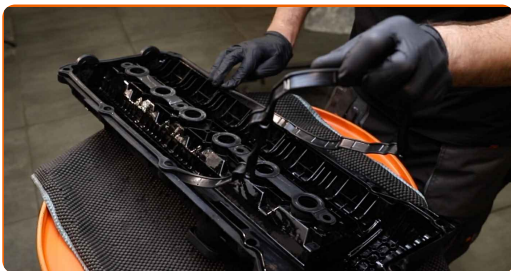
Clean the engine valve cover mounting seat. Use a seal scraper. Use all-purpose cleaning spray.



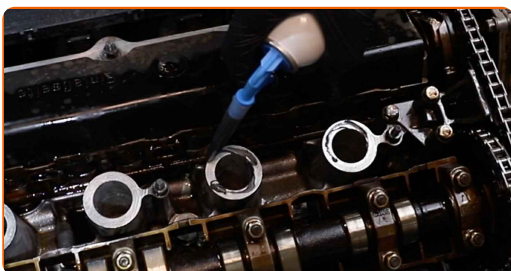
**Replacement: rocker cover gasket – BMW 3 Touring (E36). Tip:**

- Be careful to prevent dust and dirt getting into the engine.

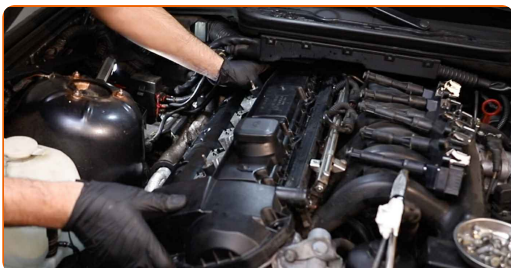
**23** Install the engine valve cover gasket.



**24** Treat the engine valve cover mounting seat. Use a sealant.



**25** Install the engine valve cover.



**AUTODOC recommends:**

- Replacement: rocker cover gasket – BMW 3 Touring (E36). To avoid damaging the part during installation, do not use excessive force.

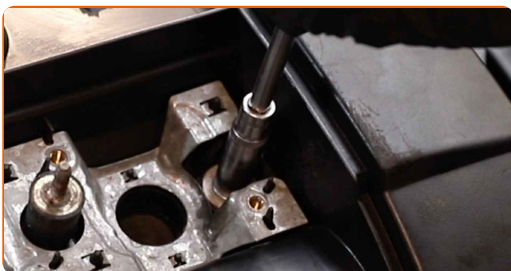
**26**

Clean the valve cover fasteners. Use all-purpose cleaning spray.



**27**

Tighten the engine valve cover fasteners. Use a drive socket #10. Use a torque wrench. Tighten it to 15 Nm torque.

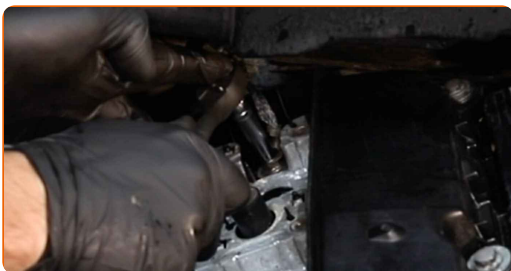


Replacement: rocker cover gasket – BMW 3 Touring (E36). AUTODOC experts recommend:

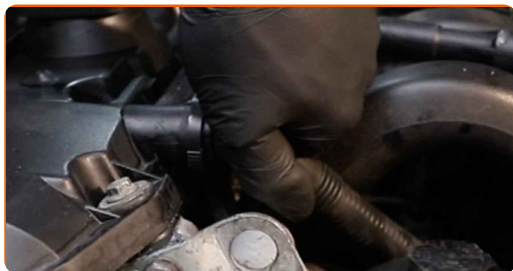
- Tighten the fasteners in the order shown in the diagram in the manufacturer's instructions.

**28**

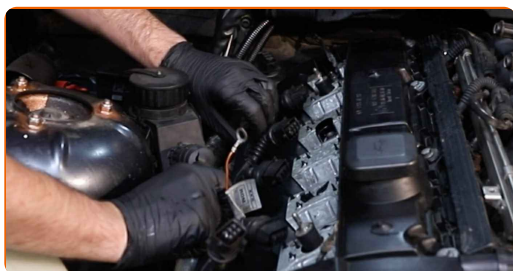
Tighten the chassis (ground) terminal of the ignition coils. Use a drive socket #8. Use a ratchet wrench.



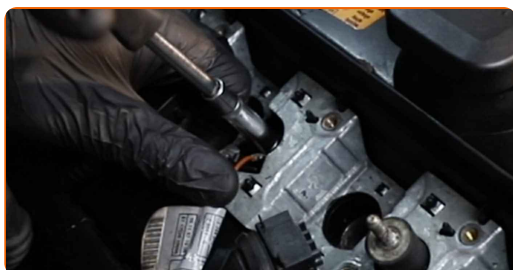
**29** Install the PCV pipe.



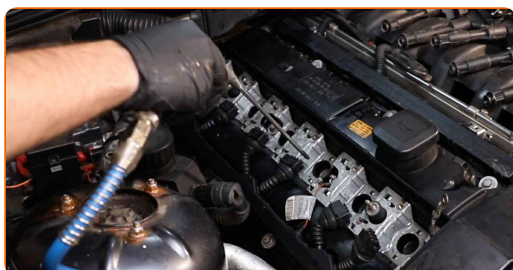
**30** Secure the wiring of the ignition coils in its mounting seats.



**31** Tighten the chassis (ground) terminal of the ignition coils. Use a drive socket #8. Use a ratchet wrench.



**32** Clean dirt, dust and debris from inside the spark plug wells.



**33** Install the ignition coils to the spark plug wells.

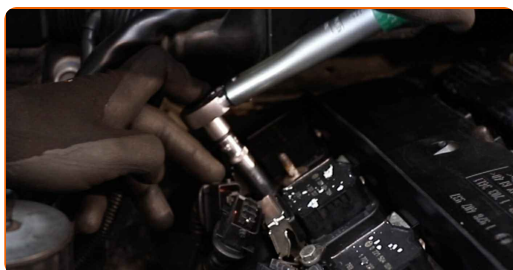


Replacement: rocker cover gasket – BMW 3 Touring (E36). Professionals recommend:

- Follow the installation sequence.

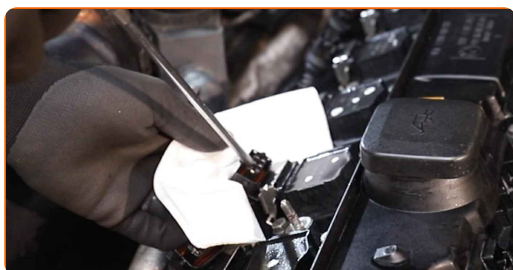
34

Tighten the ignition coil fasteners. Use a drive socket #13. Use a torque wrench. Tighten it to 7 nm torque.



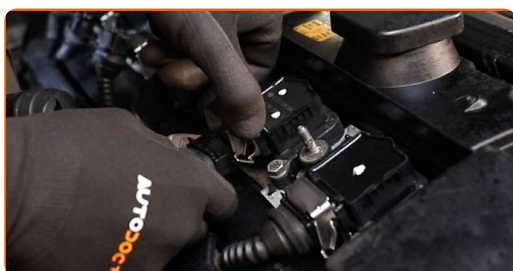
35

Treat the ignition coil connector with electronic spray. Use dielectric grease.



36

Plug in the connectors of the ignition coils.



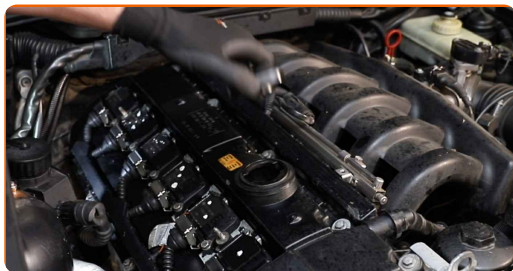
37

Unscrew the oil filler plug.





**38** Remove the oil filler cap.



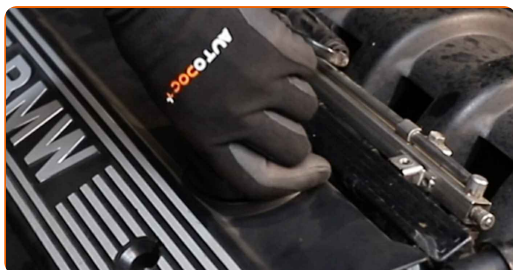
**39** Install the engine cover and secure it.



**AUTODOC recommends:**

- Make sure the engine cover is properly seated. It should not be displaced with respect to the guiding fasteners.
- Replacement: rocker cover gasket – BMW 3 Touring (E36). Do not use excessive force during installation. This may damage the part.

**40** Install the oil filler cap.



**41**

Tighten the oil filler cap.



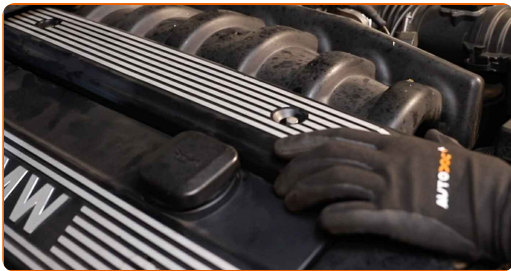
**42**

Screw in the engine cover fasteners. Use a drive socket #10. Use a ratchet wrench.



**43**

Install the engine cover and secure it.



**Replacement: rocker cover gasket – BMW 3 Touring (E36). Professionals recommend:**

- Make sure the engine cover is properly seated. It should not be displaced with respect to the guiding fasteners.
- Replacement: rocker cover gasket – BMW 3 Touring (E36). To avoid damaging the part during installation, do not use excessive force.



44

Screw in the engine cover fasteners. Use a drive socket #10. Use a ratchet wrench.



45

Run the engine for a few minutes. This is necessary in order to make sure that the component operates properly.



46

Shut off the engine.

47

Remove the fender protection cover.

48

Close the hood.

**WELL DONE!** 

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