



How to change spark  
plugs on **MERCEDES-  
BENZ M-Class (W163)** –  
replacement guide

## SIMILAR VIDEO TUTORIAL



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

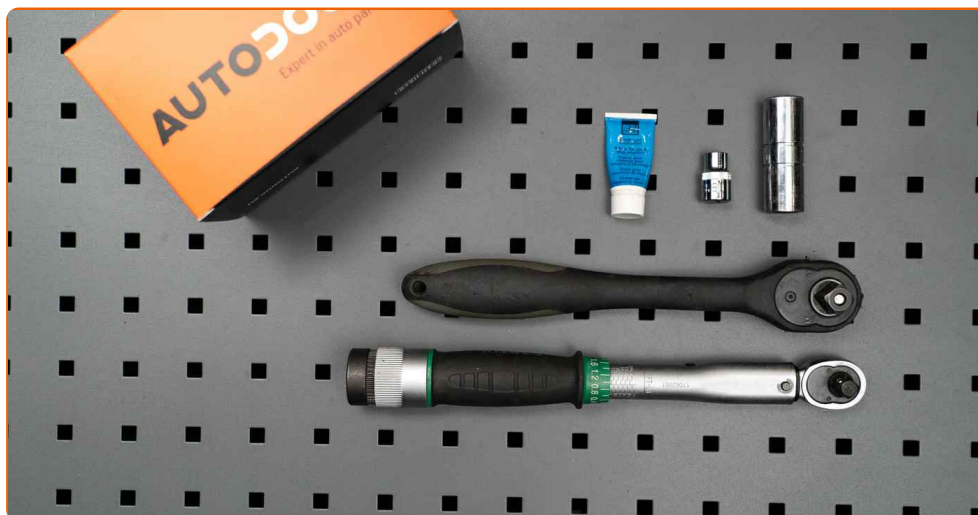
### Important!

This replacement procedure can be used for:  
MERCEDES-BENZ M-Class (W163) ML 230 (163.136)

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: MERCEDES-BENZ A-Class (W168) A 160 (168.033, 168.133)

REPLACEMENT: SPARK PLUGS – MERCEDES-BENZ M-CLASS (W163). TOOLS YOU NEED:



- High-temperature anti-seize lubricant
- Drive socket # E11
- Drive socket # 16
- Ratchet wrench
- Torque wrench
- Fender cover

[Buy tools](#)

Replacement: spark plugs – MERCEDES-BENZ M-Class (W163). AUTODOC experts recommend:

- The replacement procedure is the same for all spark plugs.
- All work should be done with the engine stopped.

## REPLACEMENT: SPARK PLUGS – MERCEDES-BENZ M-CLASS (W163). RECOMMENDED SEQUENCE OF STEPS:

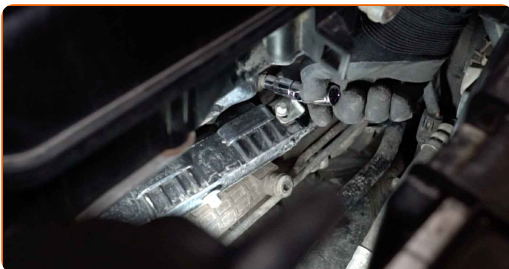
**1** Open the hood.

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

**3** Detach the connector from the ignition coil.



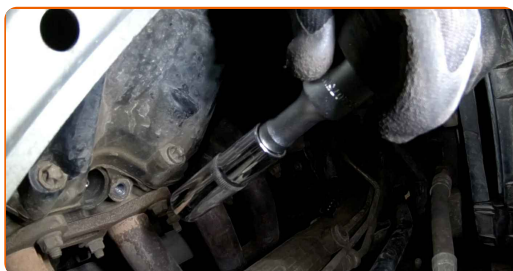
**4** Unscrew the ignition coil bracket. Use a drive socket #E11. Use a ratchet wrench.



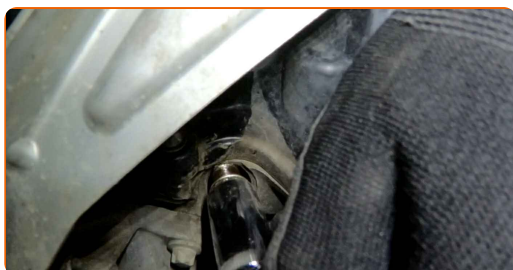
**5** Take out the ignition coil from the spark plug well.



**6** Unscrew the spark plugs. Use the spark plug socket #16. Use a ratchet wrench.



**7** Take out the spark plugs.



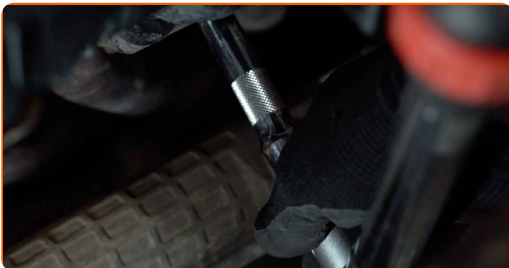
**8** Apply a thin layer of a special high temperature anti-seize lubricant to the threads of the new spark plugs.



**9** Install the new spark plugs into their mounting seats.



**10** Screw new spark plugs and tighten them. Use the spark plug socket #16. Use a torque wrench. Tighten it to 25 nm torque.



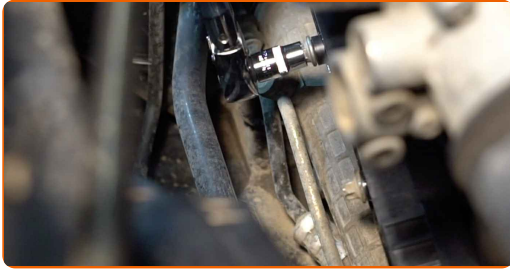
**Replacement: spark plugs – MERCEDES-BENZ M-Class (W163). Professionals recommend:**

- Don't tighten the plugs with excessive force. Exceeding tightening torque can damage the thread connection.
- Be careful when working with a spark plug wrench. Its skewing can cause damage to the threaded connection.

**11** Install the ignition coil to the spark plug well. Make sure you hear a click indicating that it is locked in place.



**12** Tighten the ignition coil fastening. Use a drive socket #E11. Use a torque wrench. Tighten it to 12 nm torque.



**13** Plug in the ignition coil connector.



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

**15** Shut off the engine.

**16** Remove the fender protection cover.

**17** Close the hood.

**WELL DONE!** 

**VIEW MORE TUTORIALS**

# AUTODOC – TOP QUALITY AND AFFORDABLE CAR PARTS ONLINE

**AUTODOC MOBILE APP: GREAT DEALS AND CONVENIENT SHOPPING**



**+ AUTODOC**

GET IT ON  
**Google Play**

Download on the  
**App Store**

**Download**

**A GREAT SELECTION OF SPARE PARTS FOR YOUR CAR**

**SPARK PLUGS: A WIDE SELECTION**

## **DISCLAIMER:**

The document contains only general recommendations that may be useful for you when you perform repair or replacement work. AUTODOC shall not be liable for any loss, injury, damage of property occurring in the repair or replacement process due to incorrect use or misinterpretation of the provided information.

AUTODOC shall not be liable for any possible mistakes and uncertainties in this guide. The information provided is for information purposes only and cannot replace advice from specialists.

AUTODOC shall not be liable for incorrect or hazardous usage of equipment, tools and car parts. AUTODOC strongly recommends to be careful and observe the safety rules when performing repair or replacement works. Remember: usage of low quality auto parts does not guarantee you the appropriate level of road safety.

© Copyright 2023 – All the contents of this website, in particular texts, photographs and graphics, are protected by copyright. All rights, including reproduction, publication, editing and translation rights, are reserved by AUTODOC SE.