



How to change spark
plugs on **Mercedes W210**
– replacement guide

VIDEO TUTORIAL



Important!

This replacement procedure can be used for:

MERCEDES-BENZ E-Class Saloon (W124) E 200 (124.019), MERCEDES-BENZ E-Class Saloon (W124) E 220 (124.022), MERCEDES-BENZ E-Class Saloon (W124) E 280 (124.029), MERCEDES-BENZ E-Class Saloon (W124) E 280 (124.028), MERCEDES-BENZ Saloon (W124) 300 E-24 3.0 (124.031), MERCEDES-BENZ E-Class Saloon (W124) E 320 (124.032), MERCEDES-BENZ E-Class Saloon (W124) E 420 (124.034), MERCEDES-BENZ E-Class Saloon (W124) E 500 (124.036), MERCEDES-BENZ Saloon (W124) 500 E 5.0 (124.036), MERCEDES-BENZ E-Class T-modell (S124) E 200 T (124.079), MERCEDES-BENZ E-Class T-modell (S124) E 220 T (124.082), MERCEDES-BENZ E-Class T-modell (S124) E 280 T (124.088), MERCEDES-BENZ W124 Estate (S124) 300 TE-24 3.0 (124.091), MERCEDES-BENZ E-Class T-modell (S124) E 320 T (124.092), MERCEDES-BENZ W124 Coupe (C124) 300 CE-24 3.0 (124.051), (+ 61)

The steps may slightly vary depending on the car design.

**REPLACEMENT: SPARK PLUGS – MERCEDES W210.
LIST OF THE TOOLS YOU'LL NEED:**



- High-temperature anti-seize lubricant
- Drive socket # 10
- Spark plug socket # 16
- HEX bit no.H6
- Ratchet wrench
- Torque wrench
- Flat Screwdriver
- Fender cover

BUY TOOLS

Replacement: spark plugs – Mercedes W210. AUTODOC recommends:

- The replacement procedure is the same for all spark plugs.
- Please note: all work on the car – Mercedes W210 – should be done with the engine switched off.

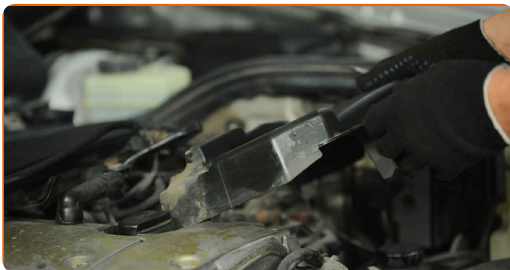
CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:

1 Open the hood.



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

3 Remove the front cover of the engine.

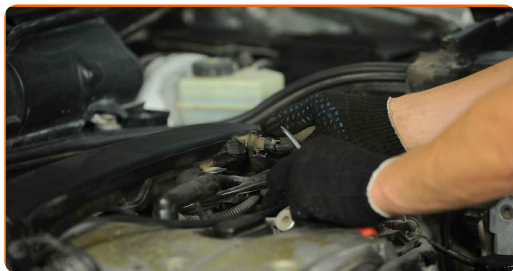


AUTODOC recommends:

- Replacement: spark plugs – Mercedes W210. Do not use excessive force when removing the part as this may damage it.

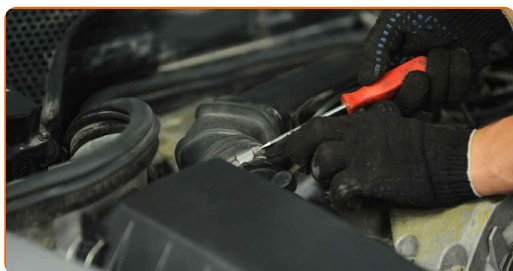
4

Unscrew the fastener of the mass air flow sensor. Remove the part. Use a flat screwdriver.



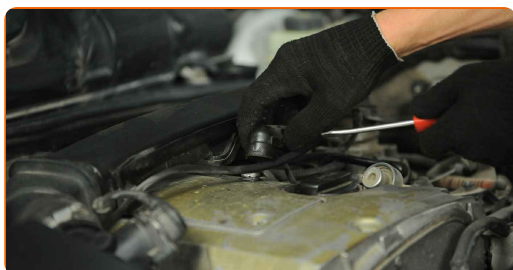
5

Detach the air intake hose clamp. Use a flat screwdriver.



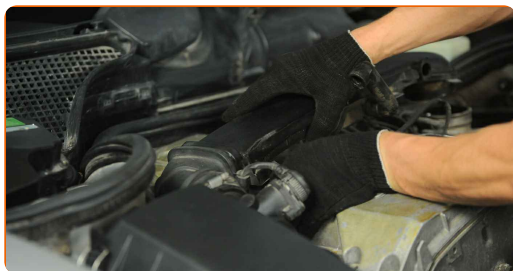
6

Remove the crankcase ventilation hose. Use a flat screwdriver.



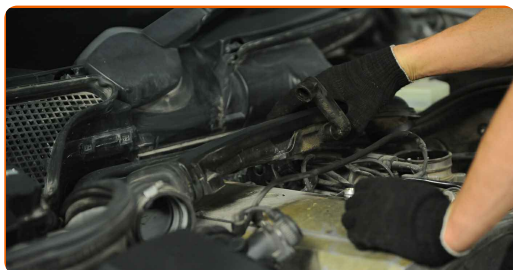
7

Disconnect the air intake pipe from the air filter housing.



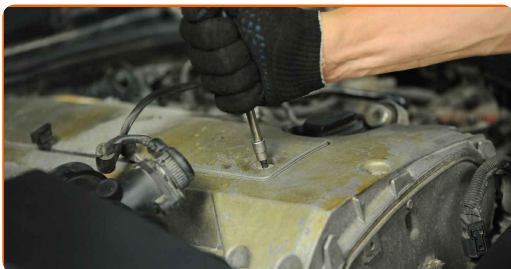
8

Dismantle the air filter pipe.



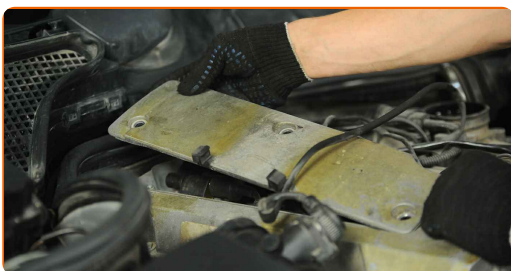
9

Unscrew the engine cover fastener. Use HEX No.H6. Use a ratchet wrench.



10

Remove the engine cover.

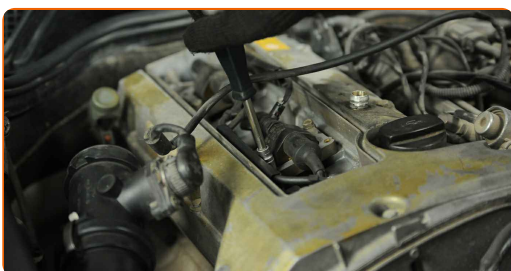


Replacement: spark plugs – Mercedes W210. Tip from AUTODOC:

- Do not apply excessive force when removing the part. Otherwise you may damage it.

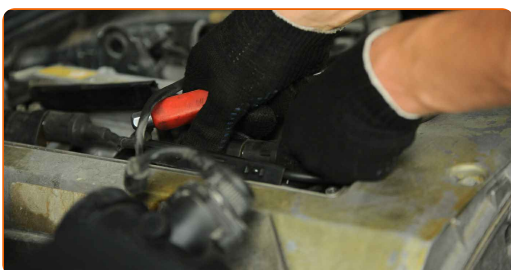
11

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



12

Unplug the connectors from the ignition coils. Use a flat screwdriver.



13

Remove the spark plug wire connectors from the spark plug wells.

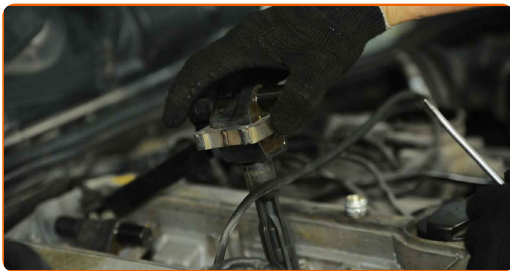


Replacement: spark plugs – Mercedes W210. Tip from AUTODOC experts:

- Be careful to avoid damaging spark plug wires.
- Remember the sequence of the spark plug wires connectors.

14

Take out the ignition coils from the spark plug wells.



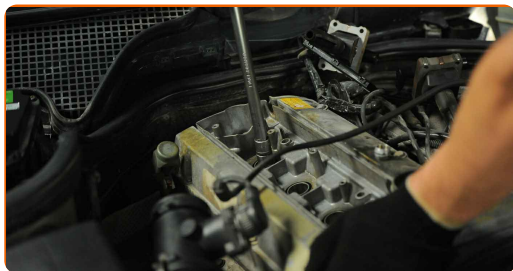
Replacement: spark plugs – Mercedes W210. AUTODOC recommends:

- Remember the sequence of steps for ignition coil demounting.

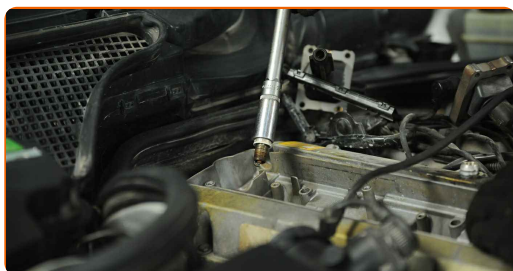
15

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

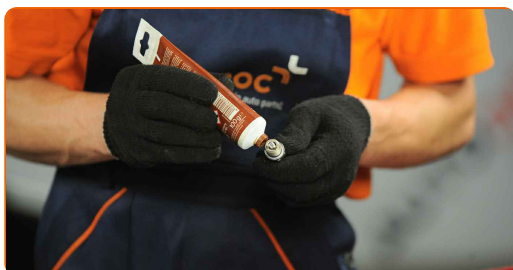
16 Unscrew the spark plugs. Use the spark plug socket #16. Use a ratchet wrench.



17 Take out the spark plugs. Use the spark plug socket #16.

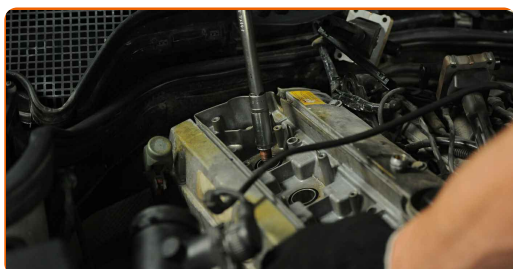


18 Apply a thin layer of a special high temperature anti-seize lubricant to the threads of the new spark plugs.



19 Install the new spark plugs into their mounting seats. Use the spark plug socket #16.

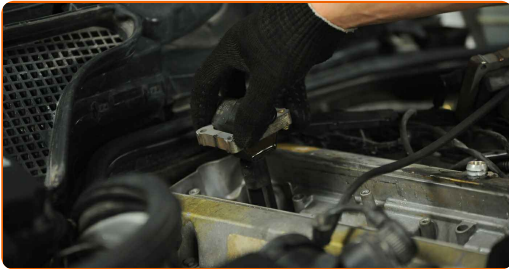
20 Screw new spark plugs and tighten them. Use the spark plug socket #16. Use a torque wrench. Tighten it to 27 nm torque.



Replacement: spark plugs – Mercedes W210. Tip from AUTODOC:

- 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.

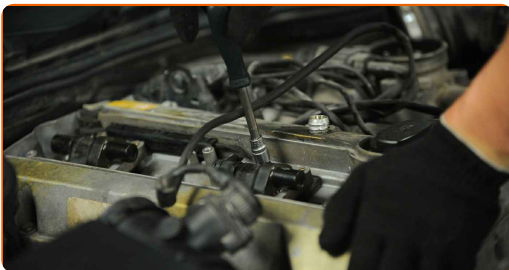
21 Install the ignition coils to the spark plug wells. Make sure you hear a click indicating that it is locked in place.



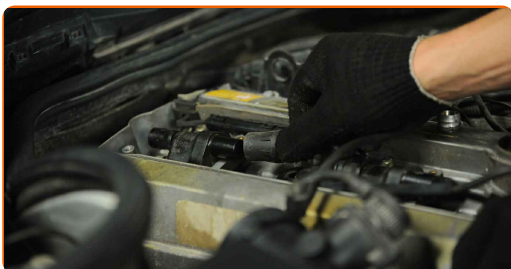
Replacement: spark plugs – Mercedes W210. Professionals recommend:

- Follow the installation sequence.

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



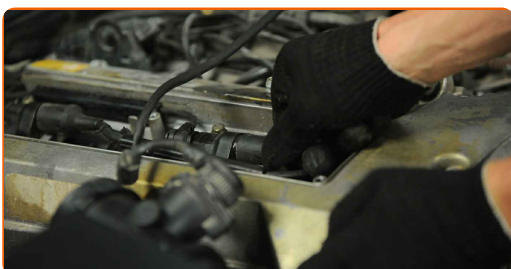
- 23** Install the spark plug wire connectors into the spark plug wells. Make sure you hear a click indicating that it is locked in place.



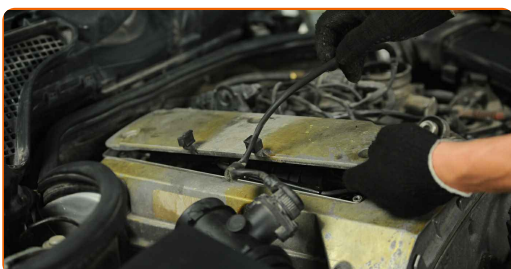
Replacement: spark plugs – Mercedes W210. Tip from AUTODOC:

- Follow the installation sequence.

- 24** Plug in the connectors of the ignition coils.



- 25** Install the engine cover and secure it.

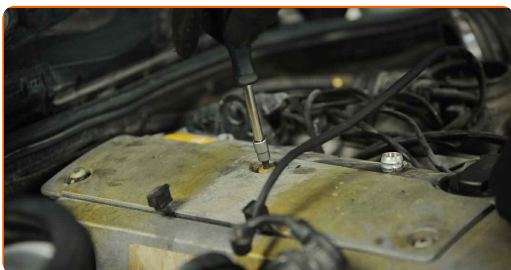


Replacement: spark plugs – Mercedes W210. AUTODOC recommends:

- Make sure the engine cover is properly seated. It should not be displaced with respect to the guiding fasteners.
- Warning! To avoid damaging the fasteners of the car during installation, do not use excessive force. Mercedes W210

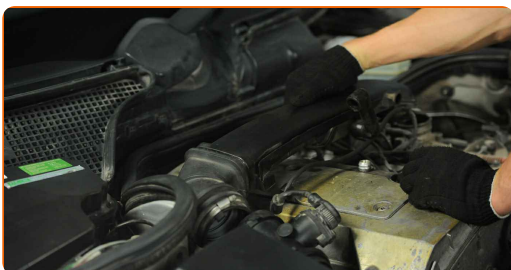
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Screw in the engine cover fasteners. Use HEX No.H6. Use a ratchet wrench.



27

Install the air filter pipe.

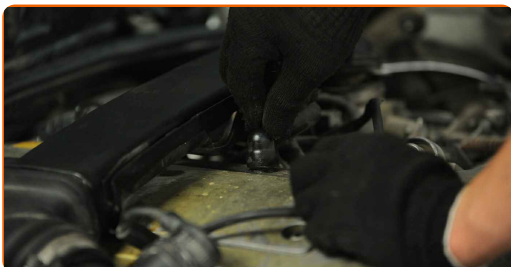


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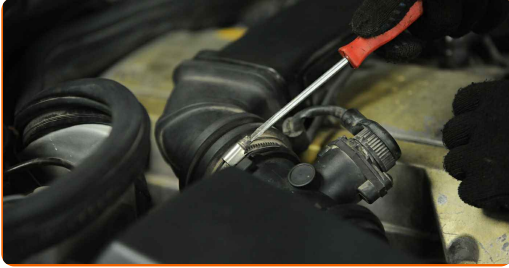
Connect the air intake pipe to the air filter housing.

29

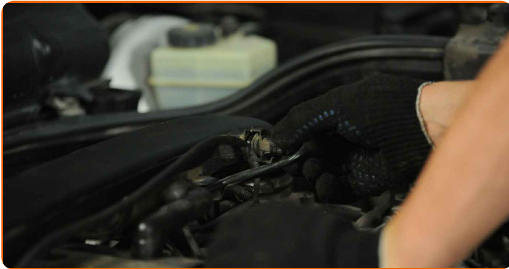
Install the PCV pipe.



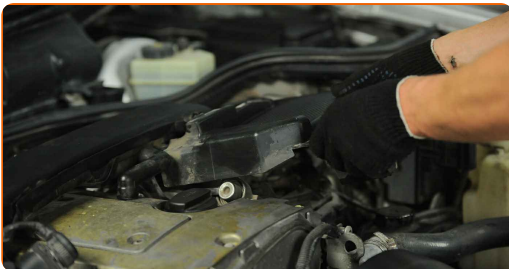
30 Fasten the clamp on the air intake hose. Use a flat screwdriver.



31 Install the mass air flow sensor.



32 Install the front cover of the engine.



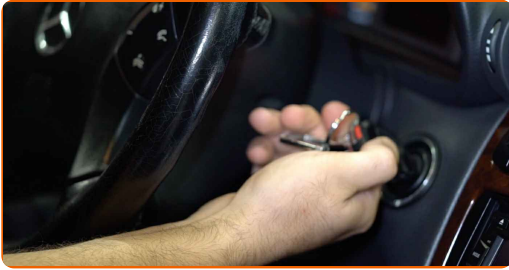
33 Remove the fender protection cover.

34 Close the hood.



35

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



36

Shut off the engine.

WELL DONE! 

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