



How to change glow  
plugs on **Mercedes W124**  
– replacement guide

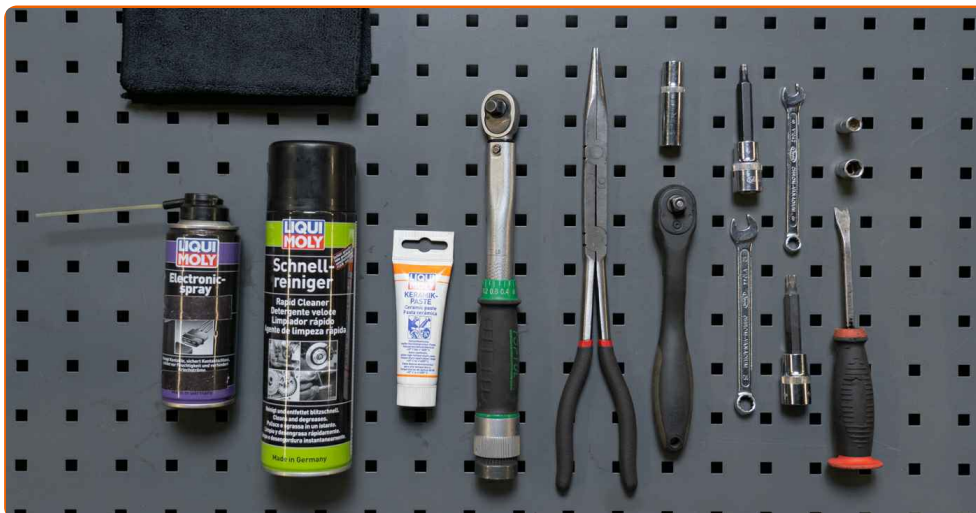
## VIDEO TUTORIAL

** Important!**

This replacement procedure can be used for:  
MERCEDES-BENZ E-Class T-modell (S124) E 250 TD (124.186), MERCEDES-BENZ C-Class Saloon (W202) C 250 D (202.125)

The steps may slightly vary depending on the car design.

**REPLACEMENT: GLOW PLUGS – MERCEDES W124.  
TOOLS YOU NEED:**



- All-purpose cleaning spray
- Electronic spray
- High-temperature anti-seize lubricant
- Torque wrench
- Combination spanner #8
- Combination spanner #10
- Drive socket # 8
- Drive socket # 10
- HEX bit No.H5
- Torx bit T45
- Spark plug socket # 12
- Ratchet wrench
- Crow bar
- Needle nose pliers
- Microfibre towel
- Fender cover

**BUY TOOLS**

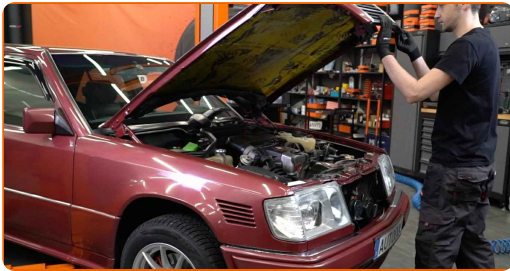
Replacement: glow plugs – Mercedes W124. Tip from AUTODOC experts:

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

## REPLACEMENT: GLOW PLUGS – MERCEDES W124. TAKE THE FOLLOWING STEPS:

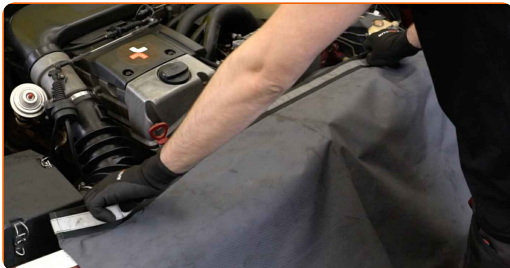
1

Open the hood.



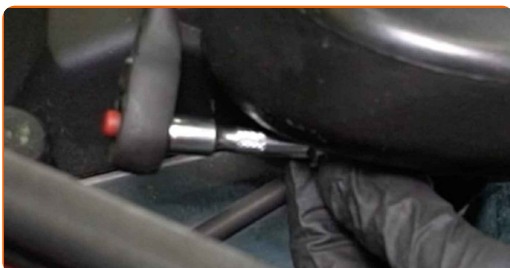
2

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

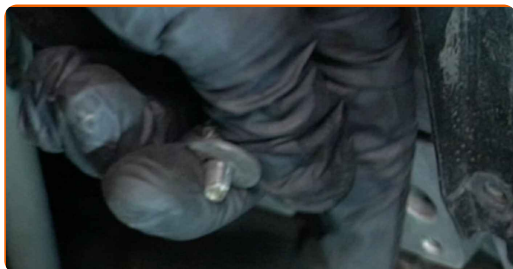


3

Unscrew the fasteners of the inlet pipe bracket. Use a drive socket #10. Use a ratchet wrench.



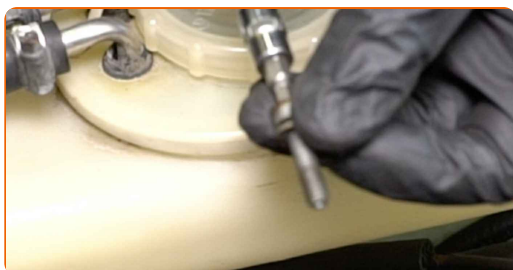
4 Remove the fastening bolts.



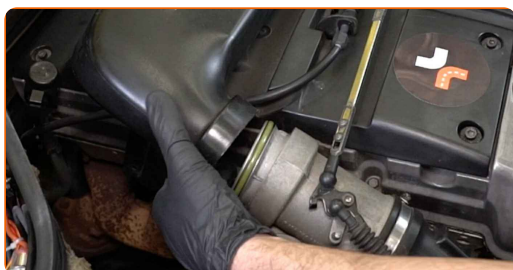
5 Unscrew the fasteners connecting the inlet pipe to the intake manifold. Use HEX No.H5. Use a ratchet wrench.



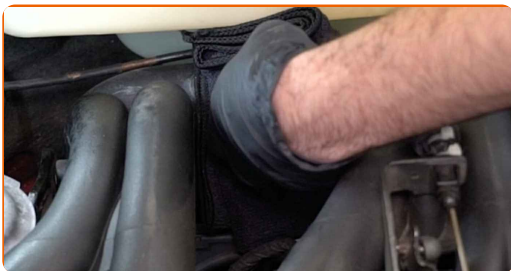
6 Remove the fastening bolts.



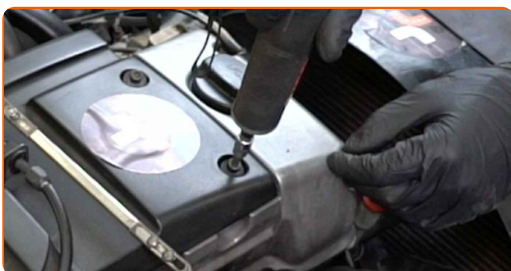
7 Remove the inlet pipe. Use a crowbar.



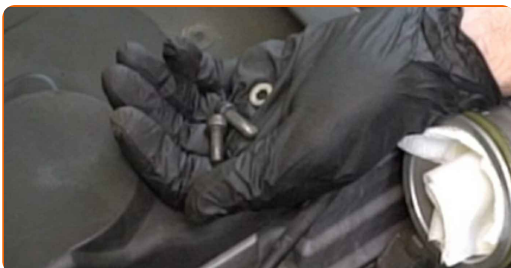
**8** Cover the intake channels of the engine with a microfibre cloth to prevent dust and dirt from getting inside.



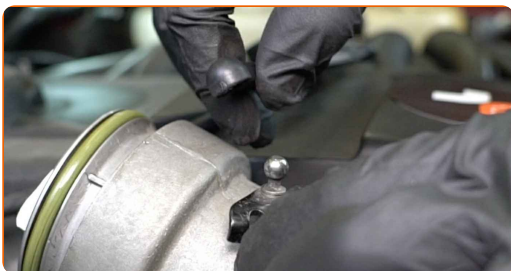
**9** Unscrew the engine cover fasteners. Use HEX No.H5. Use a ratchet wrench.



**10** Remove the fastening bolts.



**11** Detach the accelerator rod from the throttle valve.



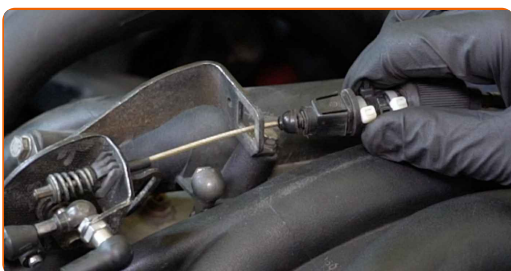
**12** Remove the engine cover.



**13** Unscrew the accelerator rod fastener. Use a combination spanner #10. Use a drive socket #8. Use a ratchet wrench.



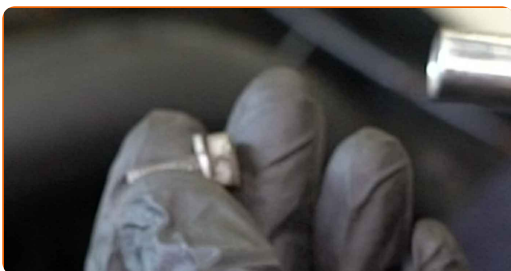
**14** Detach the accelerator cable retainer.



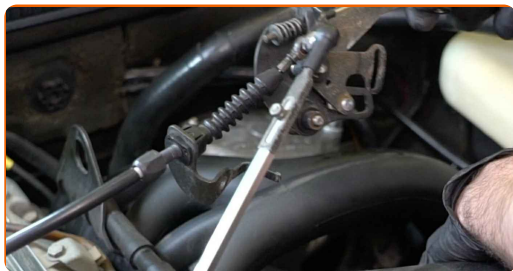
**15** Unscrew the accelerator bracket fasteners. Use a drive socket #10. Use a ratchet wrench.



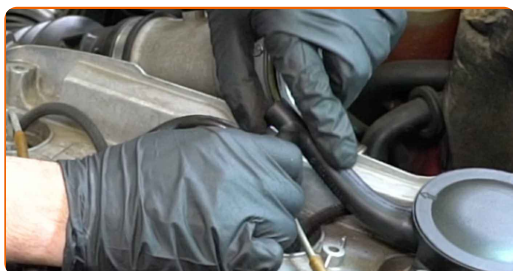
**16** Remove the fastening bolts.



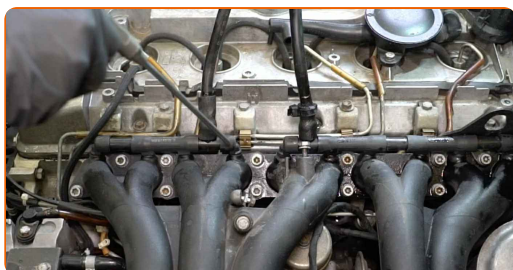
**17** Move the accelerator mechanism aside.



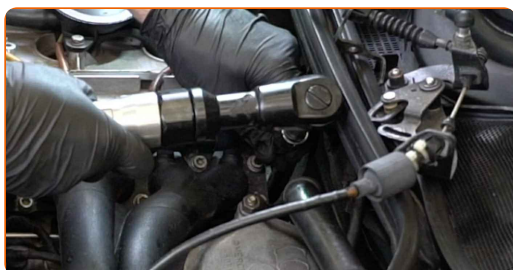
**18** Detach the vacuum hoses from the intake manifold.



**19** Clean the intake manifold fasteners. Use all-purpose cleaning spray.



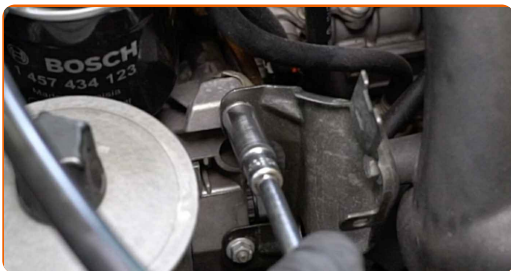
**20** Unscrew the intake manifold fasteners. Use Torx T45. Use a ratchet wrench.



**21** Remove the fastening bolts.

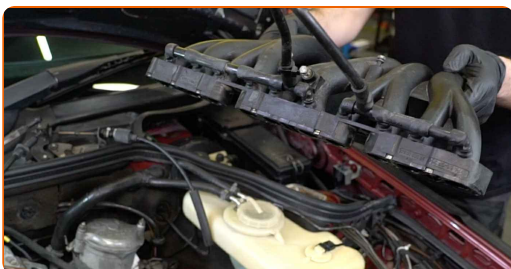


**22** Unscrew the fasteners of the intake manifold bracket. Use a drive socket #10. Use a ratchet wrench.

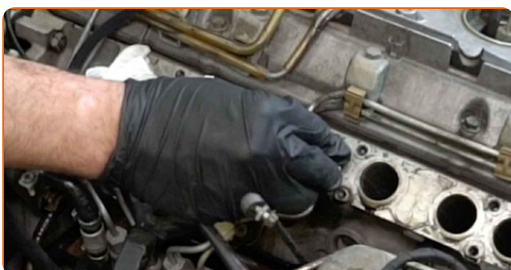


**23** Remove the fastening bolts.

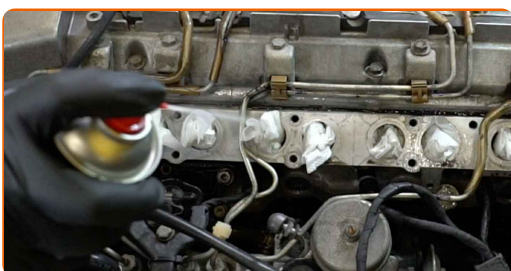
**24** Remove the intake manifold.



**25** Cover the intake manifold passages with a microfibre towel to prevent dust and dirt from getting inside.

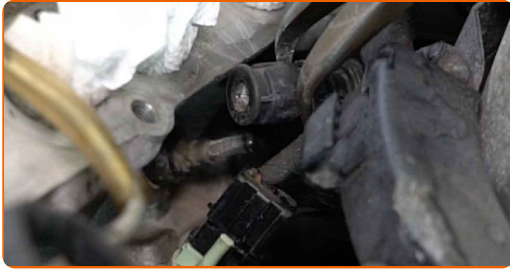


**26** Clean the intake manifold mounting seats. Use all-purpose cleaning spray.



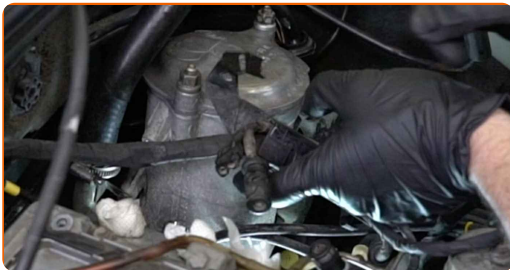
27

Detach the glow plug wiring connectors. Use needle nose pliers.



28

Unscrew the fastener of the wiring harness bracket and move the harness aside. Use a drive socket #10. Use a ratchet wrench.

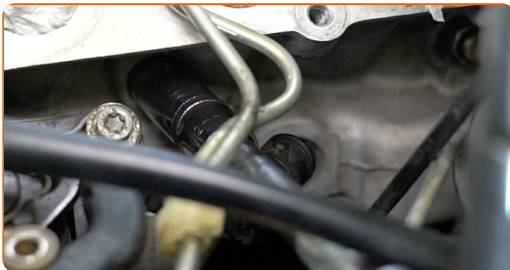


29

Clean dirt, dust and debris from inside the spark plug wells. Use all-purpose cleaning spray.

30

Unscrew the glow plugs. Use the spark plug socket #12. Use a torque wrench.



Replacement: glow plugs – Mercedes W124. AUTODOC recommends:

- The glow plugs can get stuck over time and break apart when removed.
- Use a torque wrench to loosen the parts to avoid exceeding the breakaway torque specified by the car manufacturer.
- If you have reached the breakaway torque but the glow plugs still won't unscrew, you need to consult a professional: breakage of the parts can result in costly engine repairs.

31

Remove the glow plugs.



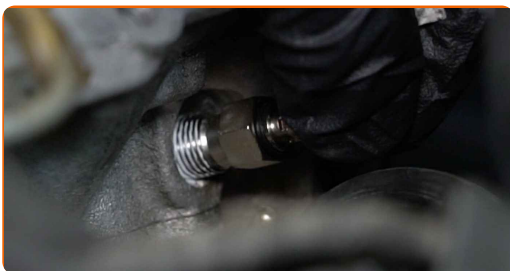
32

Treat the glow plugs. Use high-temperature ceramic grease.



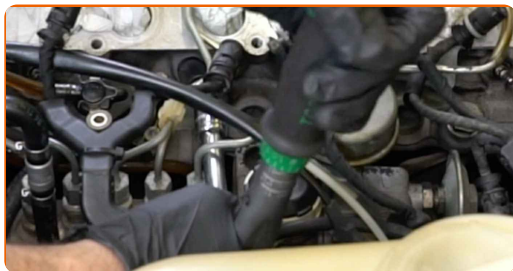
33

Install new glow plugs to their mounting seats.



34

Tighten the glow plugs. Use the spark plug socket #12. Use a torque wrench. Tighten it to 20 Nm torque.

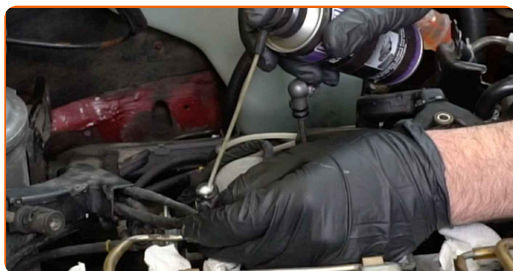


**AUTODOC recommends:**

- Don't use excessive force when tightening the spark plugs. Overtightening can damage the threaded connection.

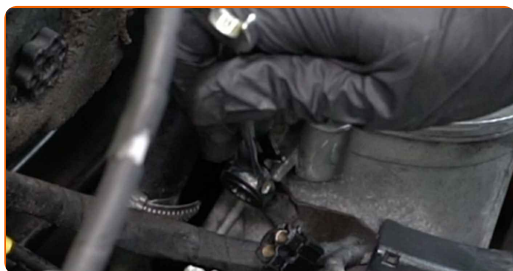
35

Treat the glow plug connectors. Use dielectric grease.

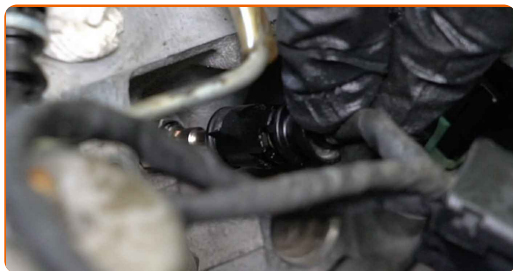


36

Install the wiring harness bracket and screw in the fastener. Use a drive socket #10. Use a ratchet wrench.



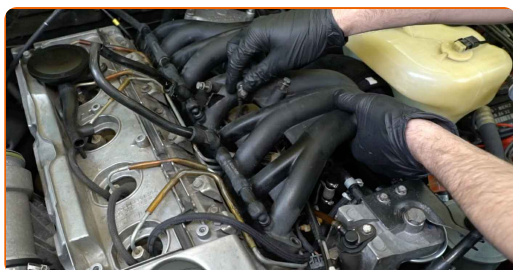
**37** Attach the glow plug wiring connectors.



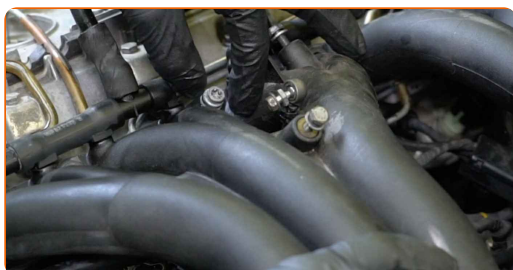
**38** Remove the microfibre cloth from the engine intake channels.



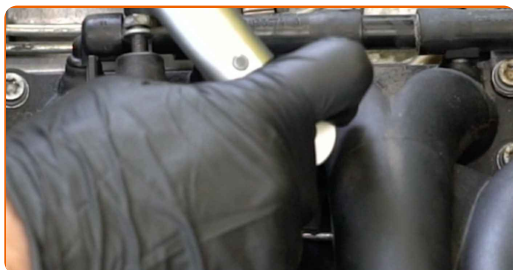
**39** Install the intake manifold.



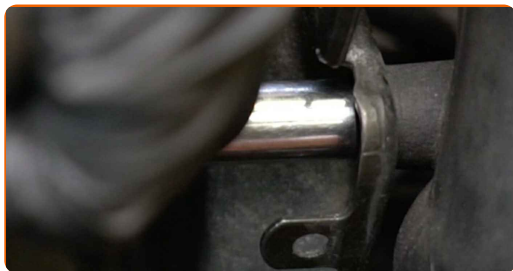
**40** Install the fastening bolts.



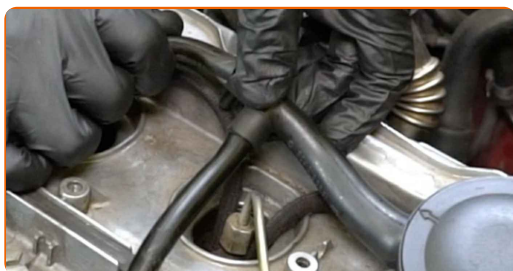
**41** Tighten the intake manifold fasteners. Use Torx T45. Use a torque wrench. Tighten it to 20 Nm torque.



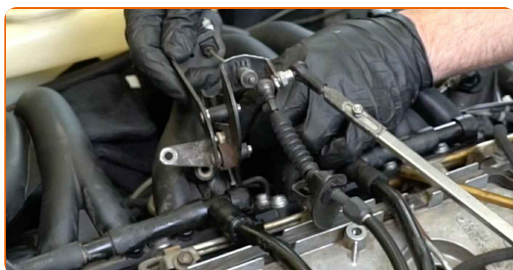
**42** Tighten the fasteners of the intake manifold bracket. Use a drive socket #10. Use a ratchet wrench.



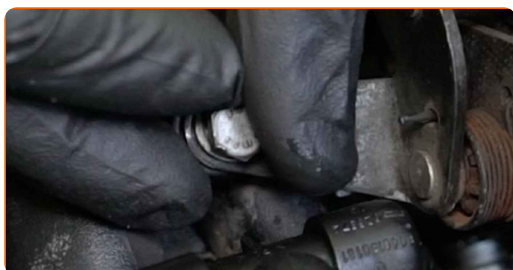
**43** Attach the vacuum hoses to the intake manifold.



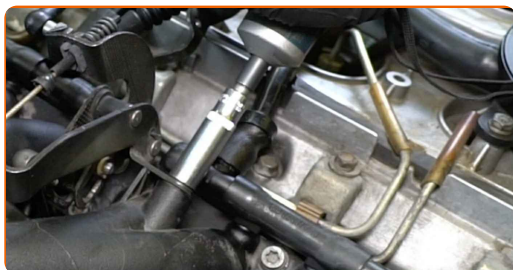
**44** Install the accelerator mechanism.



**45** Install the fastening bolts.

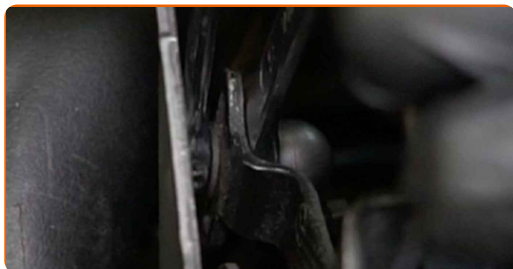


**46** Screw in the accelerator bracket fasteners. Use a drive socket #10. Use a ratchet wrench.



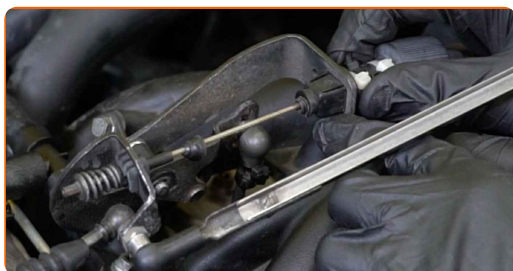
47

Screw in the accelerator rod fastener. Use a combination spanner #10. Use a combination spanner #8.



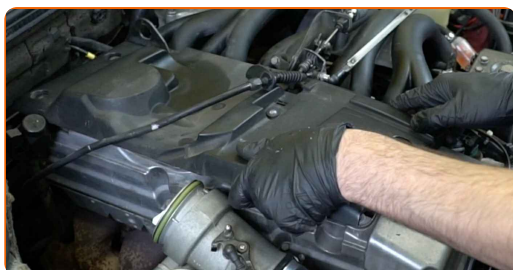
48

Install the accelerator cable retainer.



49

Install the engine cover and secure it.

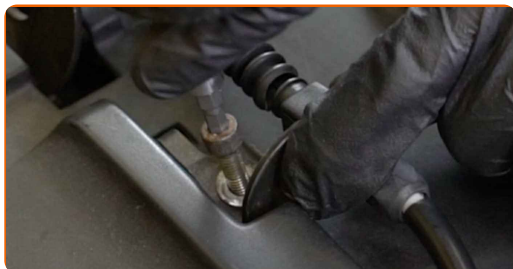


50

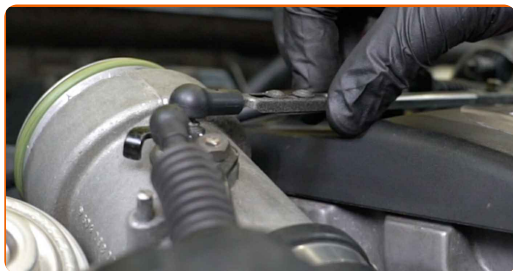
Install the fastening bolts.

51

Screw in the engine cover fasteners. Use HEX No.H5. Use a ratchet wrench.



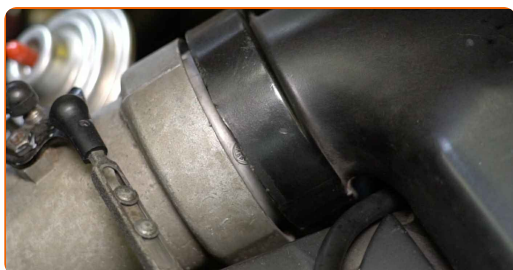
**52** Attach the accelerator rod to the throttle valve.



**53** Remove the microfibre cloth from the engine intake channels.

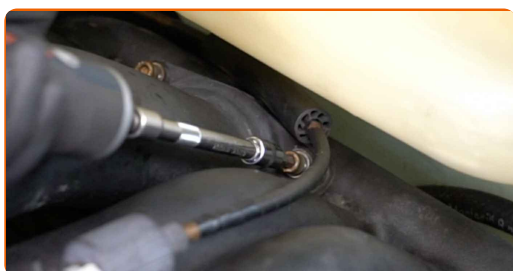


**54** Attach the inlet pipe.



**55** Install the fastening bolts.

**56** Screw in the fasteners connecting the inlet pipe to the intake manifold. Use HEX No.H5. Use a ratchet wrench.



**57** Install the fastening bolts.

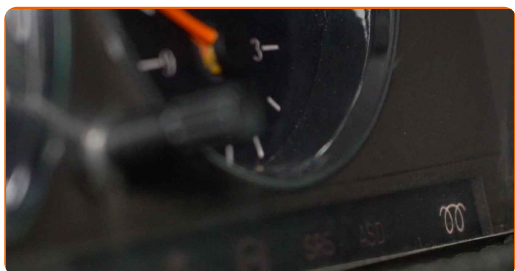


**58**

Screw in the fasteners of the inlet pipe bracket. Use a drive socket #10. Use a ratchet wrench.

**59**

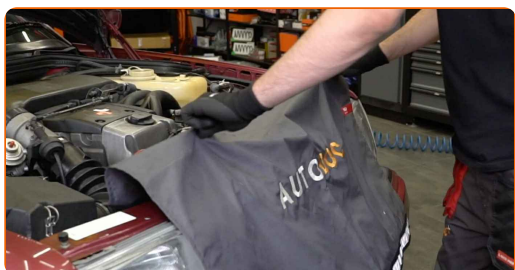
Run the engine for a few minutes. This is necessary in order to make sure that the component operates properly.

**60**

Shut off the engine.

**61**

Remove the fender protection cover.



62

Close the hood.



**WELL DONE!** 

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