



How to change spark  
plugs on **ALFA ROMEO**  
**166 (936)** – replacement  
guide

## SIMILAR VIDEO TUTORIAL



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

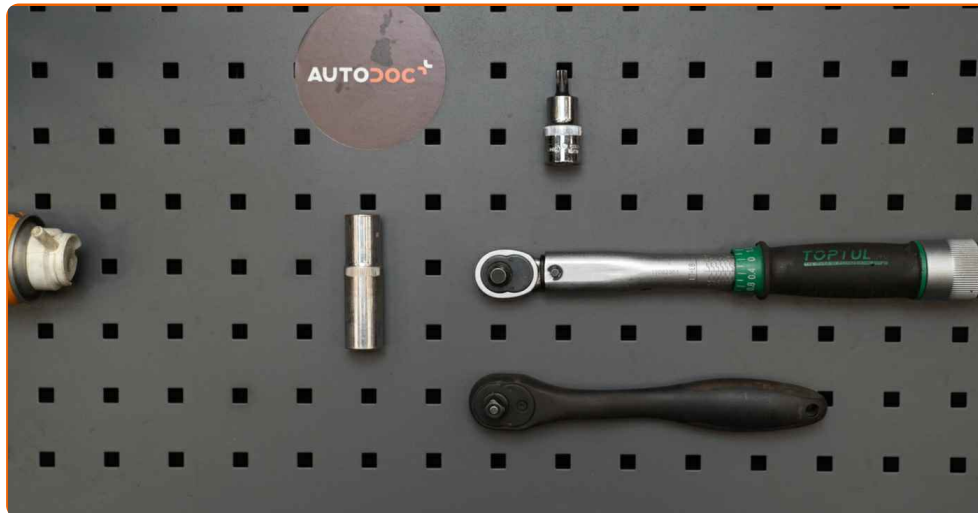
### **Important!**

This replacement procedure can be used for:  
ALFA ROMEO 166 (936) 2.0 T.SPARK

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: ALFA ROMEO 147 (937) 1.6 16V T.SPARK

REPLACEMENT: SPARK PLUGS – ALFA ROMEO 166 (936). TOOLS YOU MIGHT NEED:



- High-temperature anti-seize lubricant
- Electronic spray
- Torque wrench
- Spark plug socket # 16
- Torx bit T40
- Ratchet wrench
- Fender cover

**Buy tools**

Replacement: spark plugs – ALFA ROMEO 166 (936). Tip from AUTODOC:

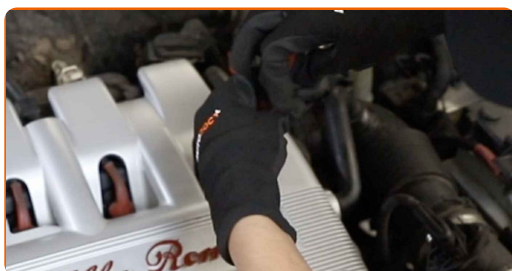
- The replacement procedure is the same for all spark plugs.
- All work should be done with the engine stopped.

## REPLACEMENT: SPARK PLUGS – ALFA ROMEO 166 (936). 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 Torx T40. Use a ratchet wrench.



**4** Unscrew the oil filler plug.



**5** Remove the oil filler cap.



**6** Remove the engine cover.



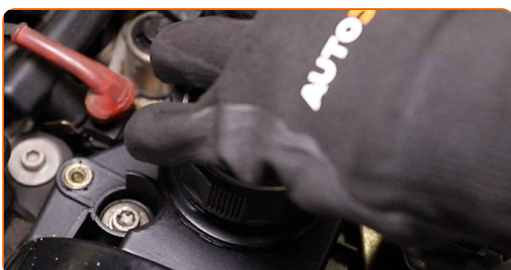
**AUTODOC recommends:**

- Replacement: spark plugs – ALFA ROMEO 166 (936). Do not use excessive force when removing the part as this may damage it.

**7** Install the oil filler cap.



**8** Tighten the oil filler cap.



**9** Unplug the connectors from the ignition coils.



**10** Unscrew the ignition coil bracket. Use Torx T40. Use a ratchet wrench.



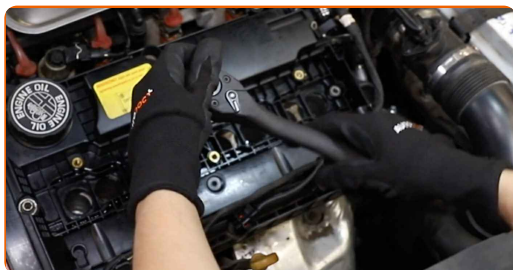
**11** Take out the ignition coil from the spark plug well.



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



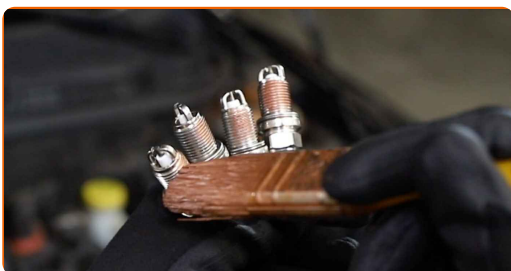
**13** Unscrew the spark plugs. Use the spark plug socket #16. Use a ratchet wrench.



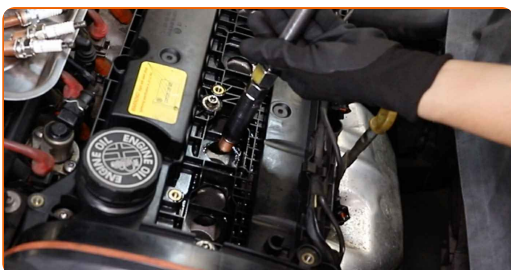
**14** Take out the spark plugs.



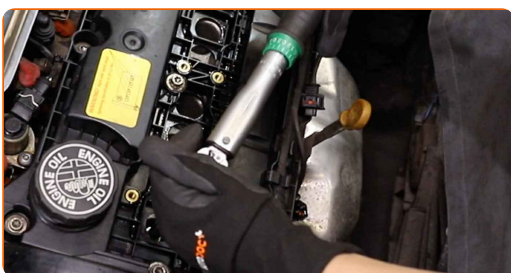
**15** Apply a thin layer of a special high temperature anti-seize lubricant to the threads of the new spark plugs.



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



**17** Screw new spark plugs and tighten them. Use the spark plug socket #16. Use a torque wrench. Tighten it to 24 nm torque.



Replacement: spark plugs – ALFA ROMEO 166 (936). 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.

18

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



19

Tighten the ignition coil fastening. Use Torx T40. Use a torque wrench. Tighten it to 7 nm torque.



20

Treat the ignition coil connector with electronic spray. The spray will protect the electrical contacts from corrosion, oxidation, and will reduce the contact resistance.

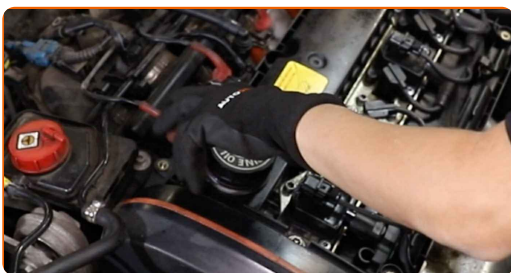




**21** Plug in the connectors of the ignition coils.



**22** Unscrew the oil filler plug.



**23** Remove the oil filler cap.



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



**AUTODOC recommends:**

- Replacement: spark plugs – ALFA ROMEO 166 (936). To avoid damaging the part during installation, do not use excessive force.

**25** Install the oil filler cap.

**26** Tighten the oil filler cap.



**27** Screw in the engine cover fasteners. Use Torx T40. Use a ratchet wrench.



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

**29** Shut off the engine.

**30** Remove the fender protection cover.

**31** Close the hood.

**WELL DONE!** 

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