



How to change spark  
plugs on **Alfa Romeo 147  
937** – replacement guide

## VIDEO TUTORIAL



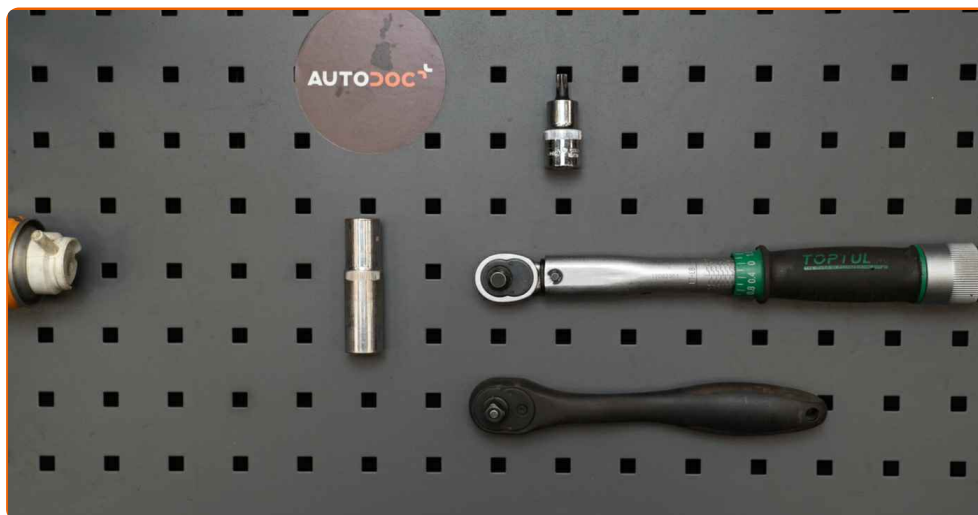
### **i Important!**

This replacement procedure can be used for:

ALFA ROMEO 33 Hatchback (907A) 1.7 16V, ALFA ROMEO 33 Sportwagon (907B) 1.7 16V, ALFA ROMEO 33 Sportwagon (907B) 1.7 16V 4x4, ALFA ROMEO 33 Hatchback (907A) 1.7 16V 4x4, ALFA ROMEO 155 (167) 2.0 T.S. 16V, ALFA ROMEO 145 (930) 2.0 16V T.S. (930.A5), ALFA ROMEO 146 (930) 2.0 16V T.S. (930.B5), ALFA ROMEO GTV (916C\_) 2.0 T.SPARK 16V, ALFA ROMEO SPIDER (916S\_) 2.0 T.SPARK 16V, ALFA ROMEO 155 (167) 1.7 T.S. 16V (167.A4N), ALFA ROMEO 155 (167) 1.6 16V T.S. (167.A6A), ALFA ROMEO 145 (930) 1.4 i.e. 16V T.S. (930.A3A), ALFA ROMEO 146 (930) 1.4 i.e. 16V T.S. (930.B3A), ALFA ROMEO 146 (930) 1.6 i.e. 16V T.S. (930.B2B), ALFA ROMEO 146 (930) 1.8 i.e. 16V T.S. (930.B1A), (+ 28)

The steps may slightly vary depending on the car design.

## REPLACEMENT: SPARK PLUGS – ALFA ROMEO 147 937. 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 147 937. 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 147 937. USE THE FOLLOWING PROCEDURE:

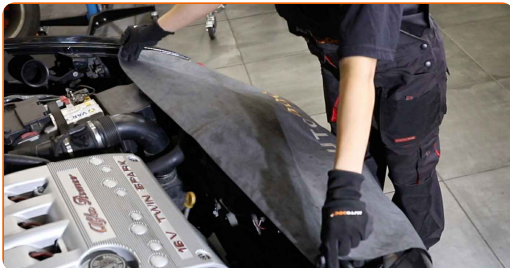
1

Open the hood.



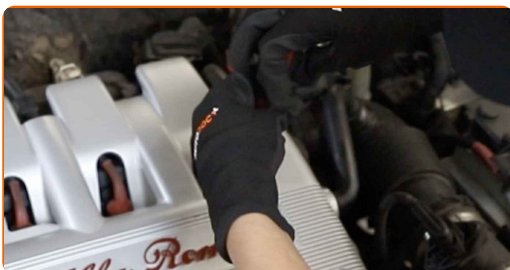
2

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.

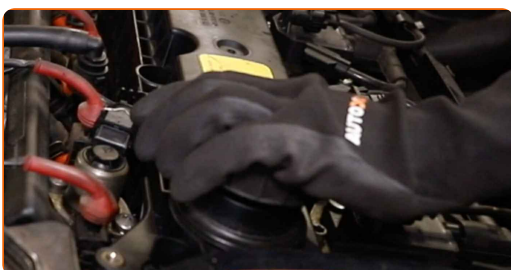


### AUTODOC recommends:

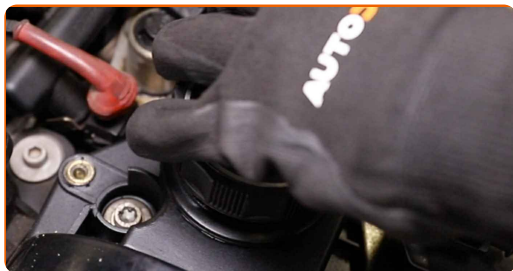
- Replacement: spark plugs – Alfa Romeo 147 937. Do not use excessive force when removing the part as this may damage it.

7

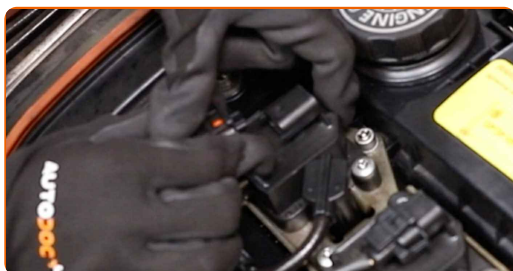
Install the oil filler cap.



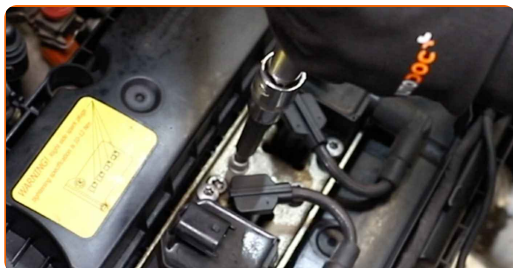
8 Tighten the oil filler cap.



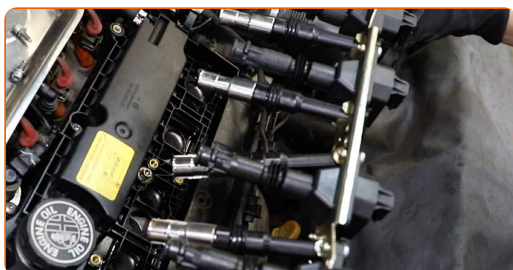
9 Unplug the connectors from the ignition coils.



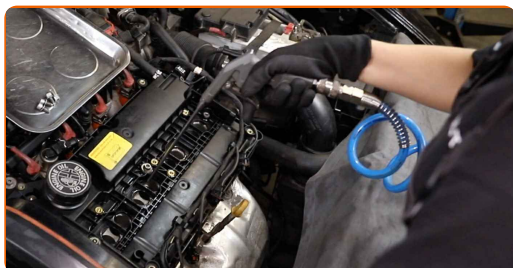
10 Unscrew the ignition coil bracket. Use Torx T40. Use a ratchet wrench.



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



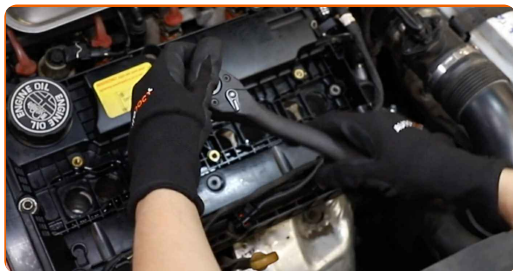
12 Clean dirt, dust and debris from inside the spark plug wells.





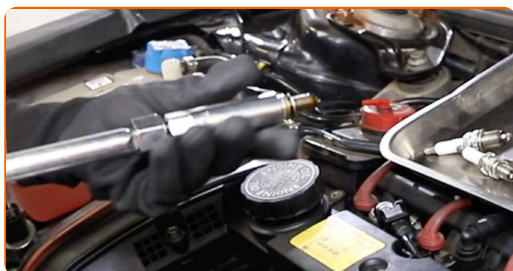
13

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



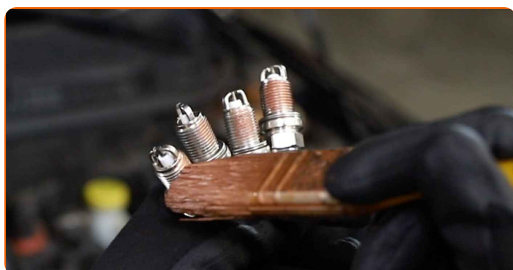
14

Take out the spark plugs.



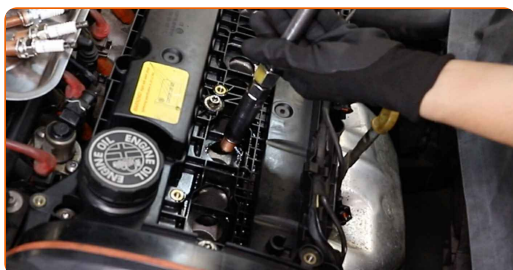
15

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

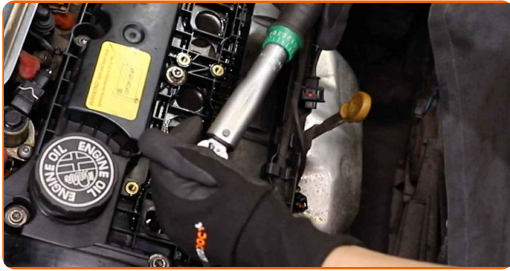


16

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 147 937. 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.





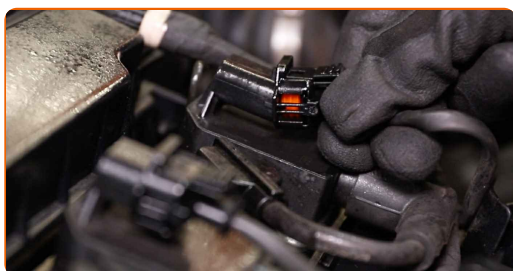
20

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



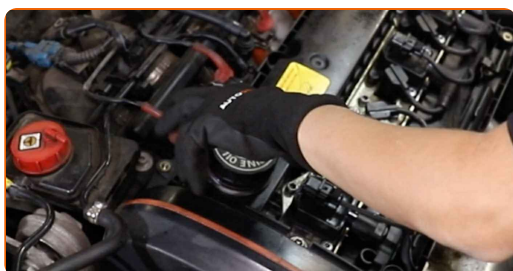
21

Plug in the connectors of the ignition coils.



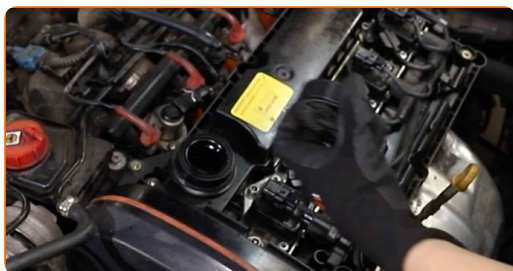
22

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 147 937. To avoid damaging the part during installation, do not use excessive force.

25

Install the oil filler cap.

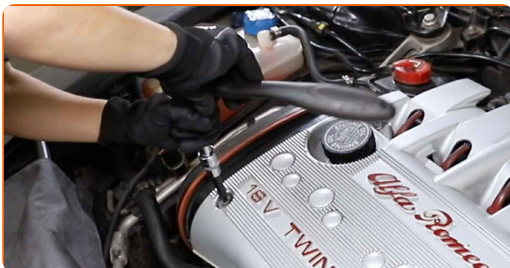
26

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!** **VIEW MORE TUTORIALS**

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