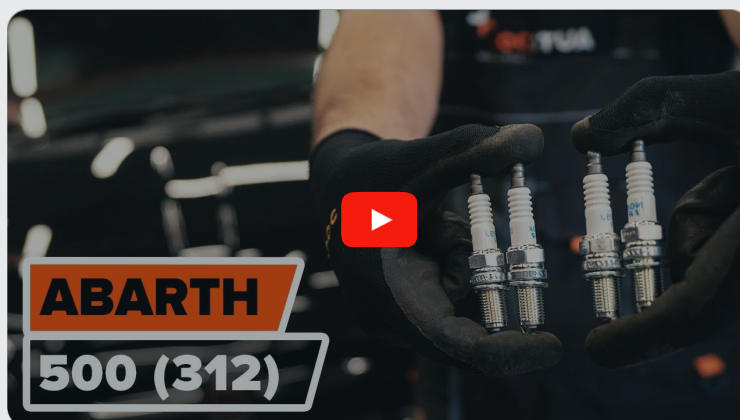




How to change spark
plugs on **Abarth 595** –
replacement guide

VIDEO TUTORIAL



Important!

This replacement procedure can be used for:

ABARTH 500 / 595 / 695 Hatchback (312) 1.4 (312.AXF11), ABARTH 500 / 595 / 695 Hatchback (312) 1.4 (312.AXT1A), ABARTH 500C / 595C / 695C Convertible (312) 1.4 (312.AXF1A), ABARTH 500C / 595C / 695C Convertible (312) 1.4 (312.AXF1A, 312.AXD1A), ABARTH 500 / 595 / 695 Hatchback (312) 1.4 (312.AXF11, 312.AXF1A, 312.AXD1A), ABARTH 500 / 595 / 695 Hatchback (312) 1.4 (312.AXF1A), ABARTH 500C / 595C / 695C Convertible (312) 1.4 (312.AXF11), ABARTH 500C / 595C / 695C Convertible (312) 1.4 (312.AXD1A), ABARTH 500 / 595 / 695 Hatchback (312) 1.4 (312.AXY11, 312.AXY1A), ABARTH 500 / 595 / 695 Hatchback (312) 1.4 (312.AXZ11), ABARTH 500C / 595C / 695C Convertible (312) 1.4 (312.AXZ1A), ABARTH 500 / 595 / 695 Hatchback (312) 1.4 (312.AYB11), ABARTH 500C / 595C / 695C Convertible (312) 1.4 (312.AXY1A), ABARTH 500 / 595 / 695 Hatchback (312) 1.4 (312.AXD1A)

The steps may slightly vary depending on the car design.

REPLACEMENT: SPARK PLUGS – ABARTH 595. LIST OF THE TOOLS YOU'LL NEED:



- High-temperature anti-seize lubricant
- Electronic spray
- Spark plug socket # 16
- Drive socket # 10
- Drive socket # 13
- Ratchet wrench
- Torque wrench
- Flat screwdriver
- Combination pliers
- Microfibre towel
- Fender cover

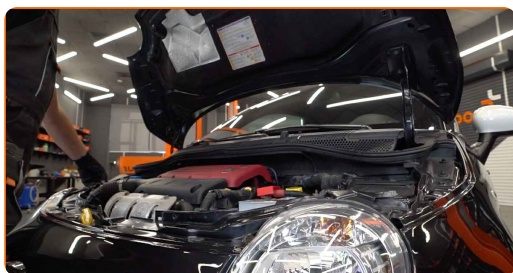
BUY TOOLS

Replacement: spark plugs – Abarth 595. AUTODOC recommends:

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

WARNING! SHUT DOWN THE ENGINE BEFORE STARTING ANY WORK – ABARTH 595.

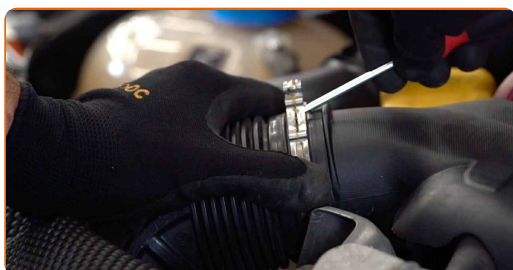
1 Open the hood.



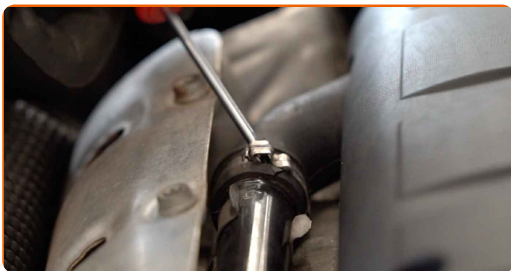
2 Use a fender protection cover to prevent damaging paintwork and plastic parts of the car.



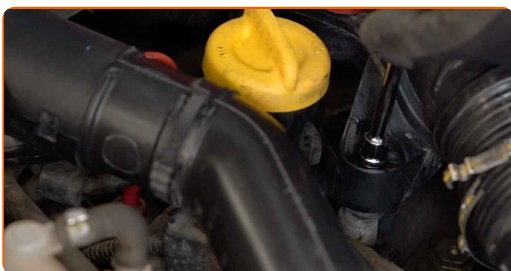
3 Detach the air intake hose clamp. Use a flat screwdriver.



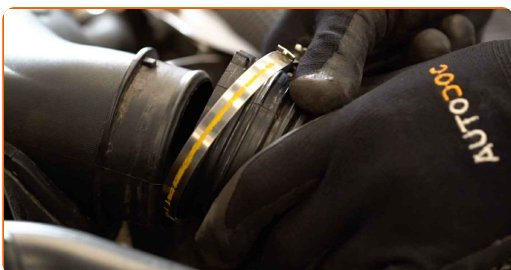
4 Detach the crankcase ventilation hose clamp. Use a flat screwdriver.



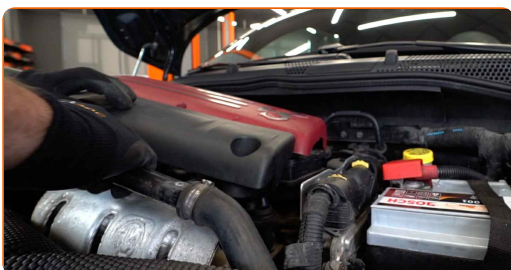
5 Unscrew the engine cover fastener. Use a drive socket #10. Use a ratchet wrench.



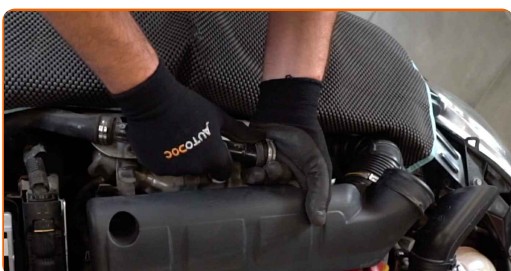
6 Disconnect the air intake pipe from the air filter housing.



7 Remove the engine cover assembled with the air filter housing.



8 Disconnect the crankcase ventilation hose from the air duct.



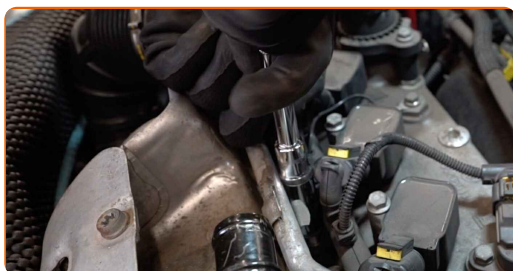
9

Cover the air intake hose with a microfibre towel to prevent dust and dirt from getting into the system.



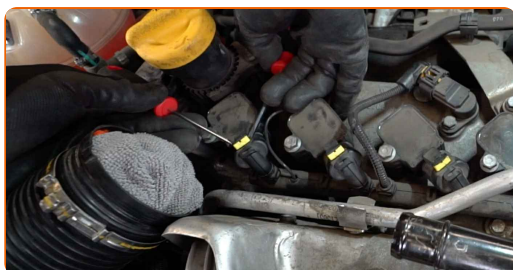
10

Unscrew the crankcase ventilation hose fasteners. Use a drive socket #13. Use a ratchet wrench.



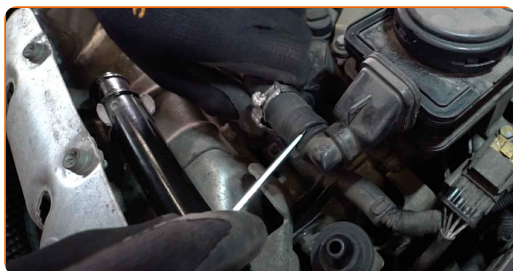
11

Release the plastic fasteners of the ignition coil connectors. Use flat screwdrivers (2 pieces).



12

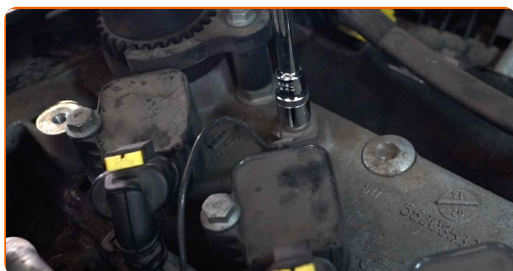
Detach the crankcase ventilation hose clamp from the distribution valve. Use a flat screwdriver. Remove the crankcase ventilation hose.



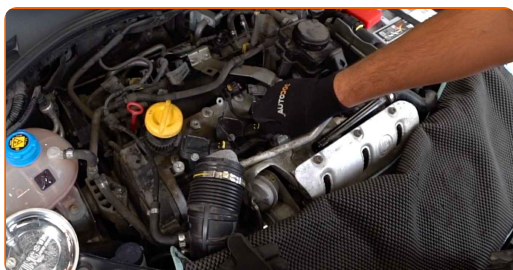
13 Unplug the connector from the camshaft position sensor.



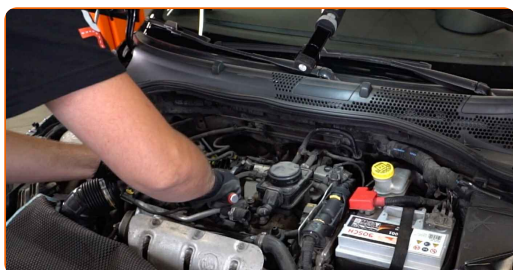
14 Unscrew the fastener of the chassis (ground) terminal of the ignition coils. Use a drive socket #10.



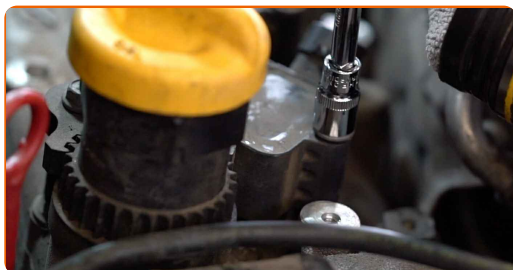
15 Unplug the connectors from the ignition coils.



16 Raise a little the wiring of the ignition coils and move it aside.

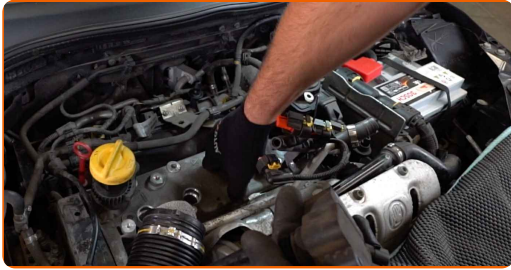


17 Unscrew the ignition coil bracket. Use a drive socket #10.



18

Take out the ignition coil from the spark plug well.

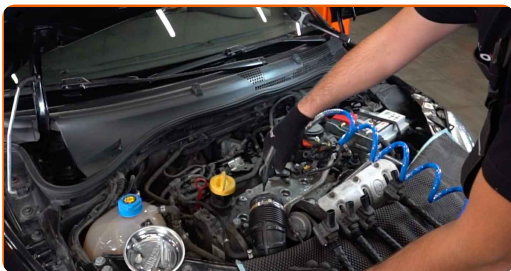


Replacement: spark plugs – Abarth 595. Professionals recommend:

- Remember the sequence of steps for ignition coil demounting.

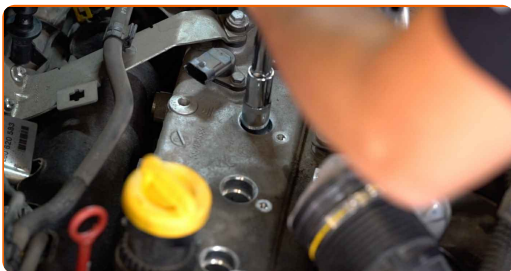
19

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



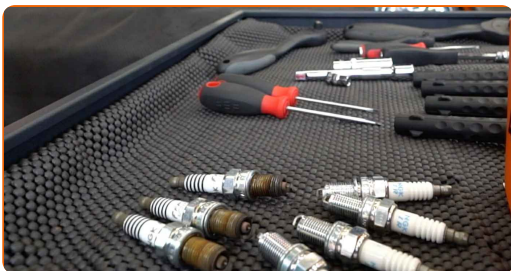
20

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



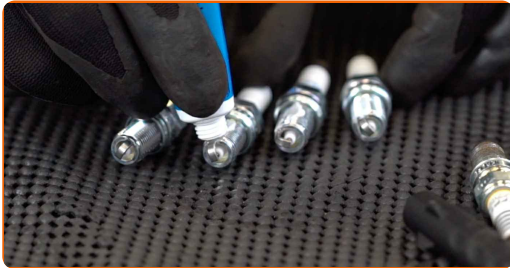
21

Take out the spark plugs.



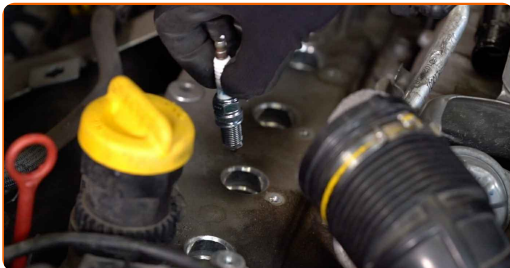
22

Apply a thin layer of a special high temperature anti-seize lubricant to the threads of the new spark plugs. Treat the surface of the terminals of the new spark plugs. Use electronic spray.



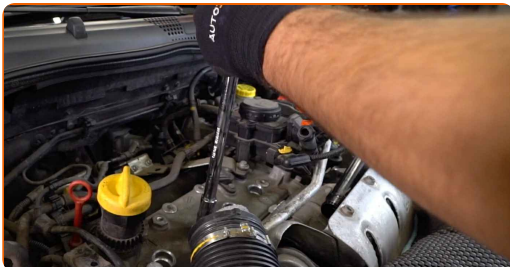
23

Install the new spark plugs into their mounting seats.



24

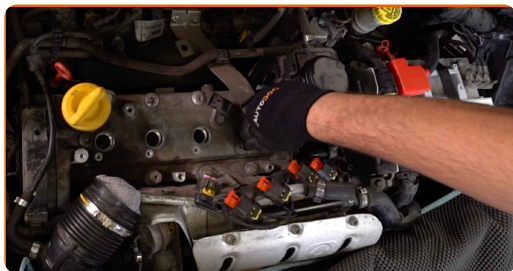
Screw new spark plugs and tighten them. Use the spark plug socket #16. Use a torque wrench. Tighten it to 24 nm torque.



Replacement: spark plugs – Abarth 595. AUTODOC experts 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.

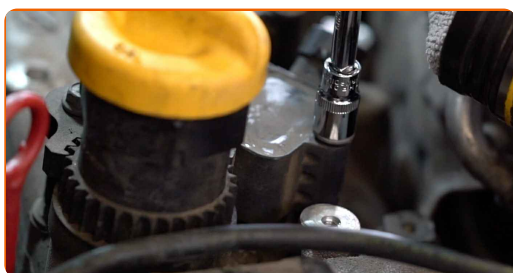
25 Install the ignition coils to the spark plug wells. Make sure you hear a click indicating that it is locked in place.



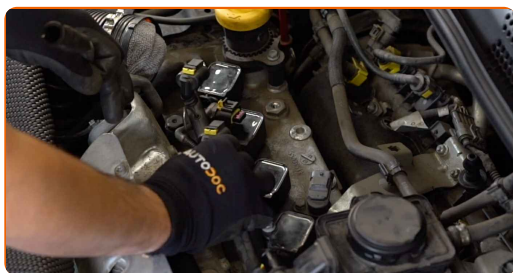
AUTODOC recommends:

- Replacement: spark plugs – Abarth 595. Follow the installation steps.

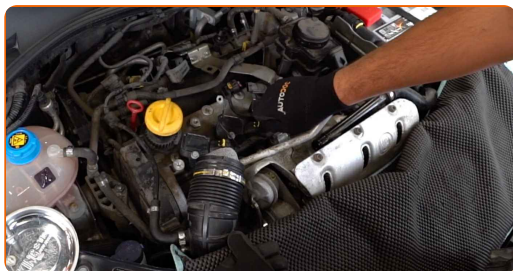
26 Tighten the fasteners of the ignition coils. Use a drive socket #10. Use a torque wrench. Tighten it to 8 Nm torque.



27 Secure the wiring of the ignition coils in its mounting seats.



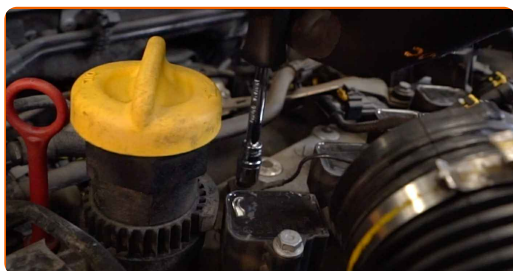
28 Plug in the connectors of the ignition coils.



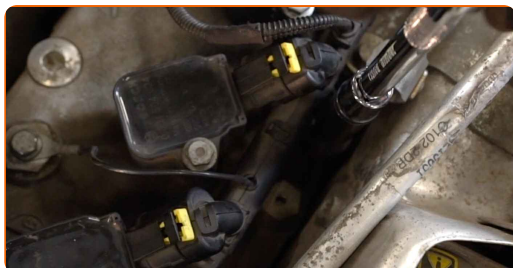
29 Plug the connector in the camshaft position sensor.



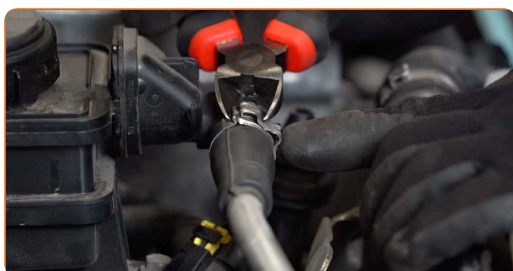
30 Tighten the chassis (ground) terminal of the ignition coils. Use a drive socket #10.



31 Screw in the fasteners of the crankcase ventilation hose. Use a drive socket #13.



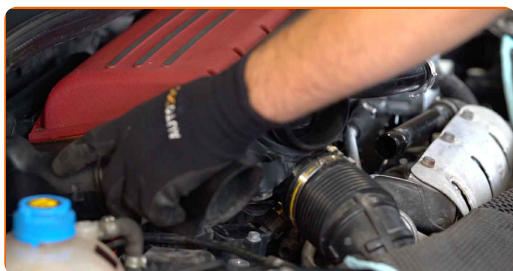
32 Attach the crankcase ventilation hose to the PCV valve. Install the clamp of the crankcase ventilation hose. Use combination pliers.



33 Remove the microfibre towel from the air intake hose.



34 Install the engine cover and secure it.



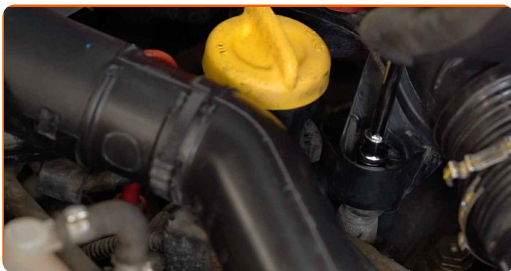
Replacement: spark plugs – Abarth 595. AUTODOC experts recommend:

- Make sure the engine cover is properly seated. It should not be displaced with respect to the guiding fasteners.
- Do not apply excessive force when installing the part. Otherwise you may damage the fasteners.

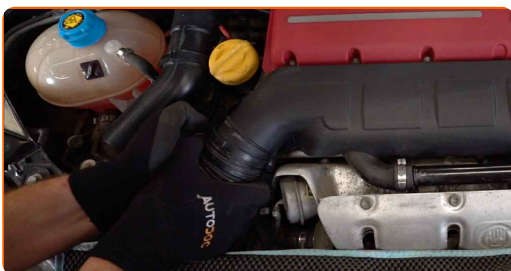
35 Connect the crankcase ventilation hose to the air duct.



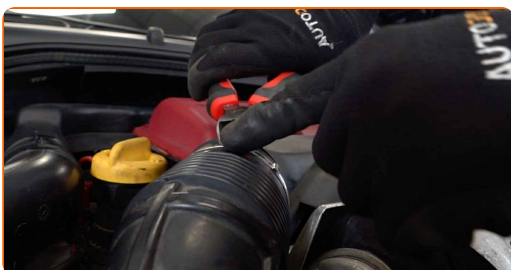
36 Screw in the engine cover fasteners. Use a drive socket #10.



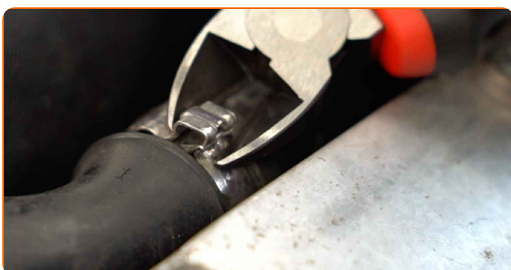
37 Connect the air intake pipe to the air filter housing.



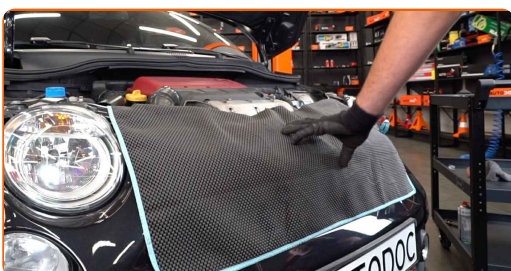
38 Fasten the clamp on the air intake hose. Use combination pliers.



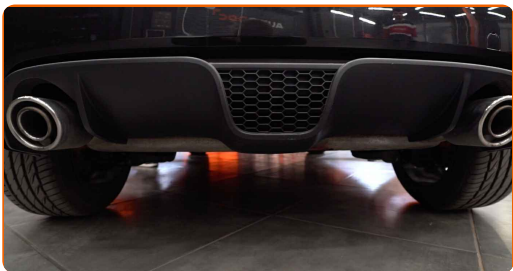
39 Fasten the clamp on the crankcase ventilation hose. Use combination pliers.



40 Remove the fender protection cover.

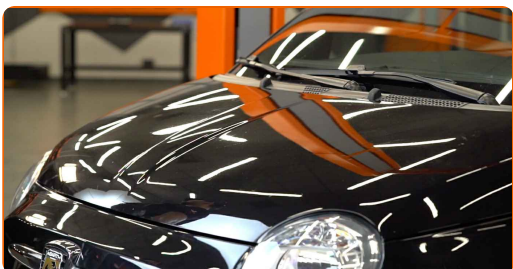


41 Run the engine for a few minutes. This is necessary in order to make sure that the component operates properly.



42 Shut off the engine.

43 Close the hood.



WELL DONE! 

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