VIDEO TUTORIAL

ⓘ Important!

This replacement procedure can be used for:
ABARTH 500 / 595 / 695 (312_) 1.4 (312.AXD1A), ABARTH 500 / 595 / 695 (312_) 1.4 (312.AXF11, 312.AXF1A, 312.AXD1A), ABARTH 500 / 595 / 695 (312_) 1.4 (312.AXF11, 312AXF1A), ABARTH 500 / 595 / 695 (312_) 1.4 (312.AXT1A), ABARTH 500C / 595C / 695C (312_) 1.4 (312.AXD1A), ABARTH 500C / 595C / 695C (312_) 1.4 (312.AXF1A, 312.AXD1A), ABARTH 500C / 595C / 695C (312_) 1.4 (312.AXF1A, 312AXF11, 312AXD1A)

The steps may slightly vary depending on the car design.

REQUIRED TOOLS:

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

AUTODOC recommends:

- The replacement procedure is the same for the ignition coils of all cylinders.
- All work should be done with the engine stopped.

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

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.

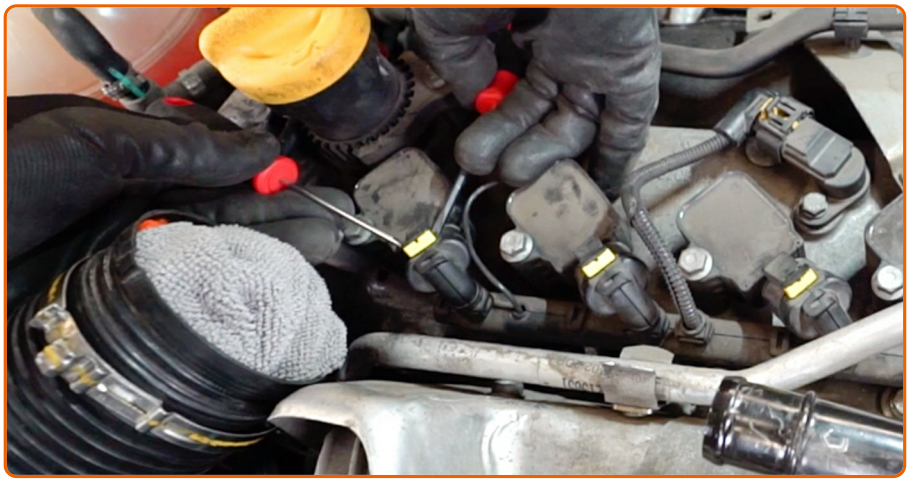
9

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).

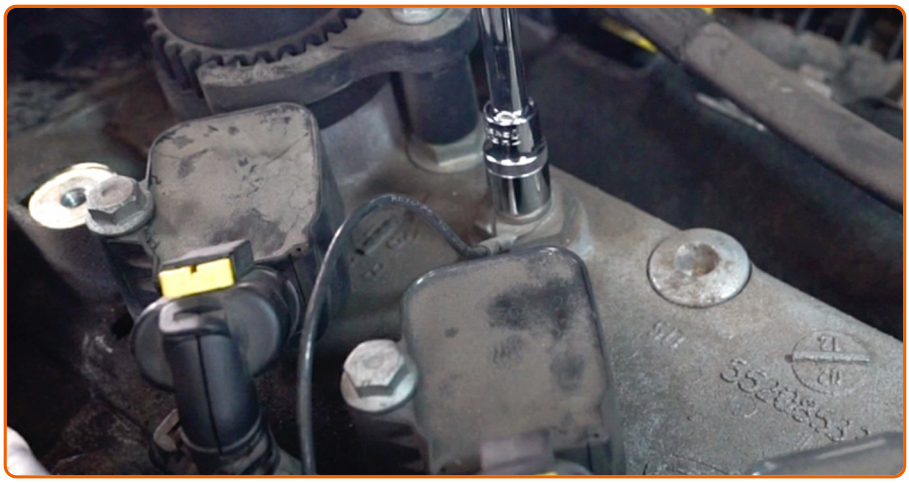
12

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. Use a ratchet wrench.

18

Take out the ignition coil from the spark plug well.

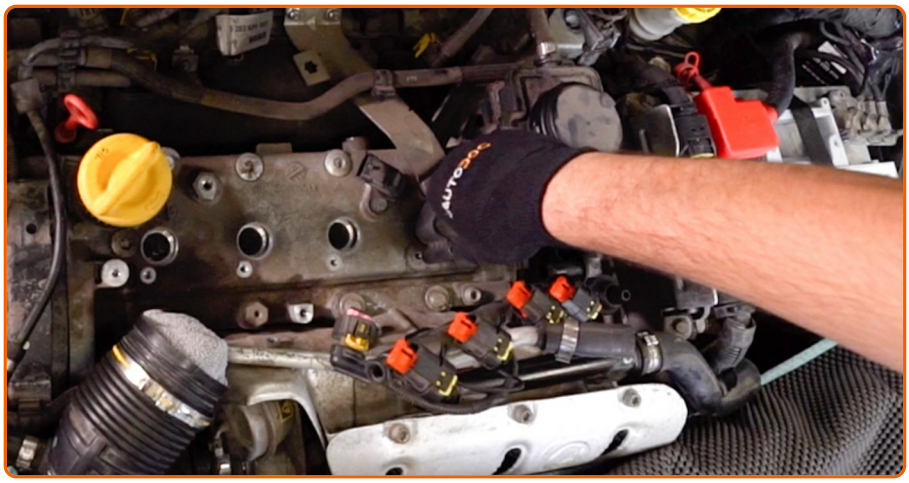
AUTODOC recommends:

- Remember the sequence of steps for ignition coil demounting.

19

Treat the ignition coil tip. Use high-temperature grease. Use a flat screwdriver.

20



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

21

Tighten the ignition coil fastening. Use a drive socket #10. Use a torque wrench. Tighten it to 8 Nm torque.

22

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

23

Plug in the connectors of the ignition coils.

24

Plug the connector in the camshaft position sensor.

25

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

26

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

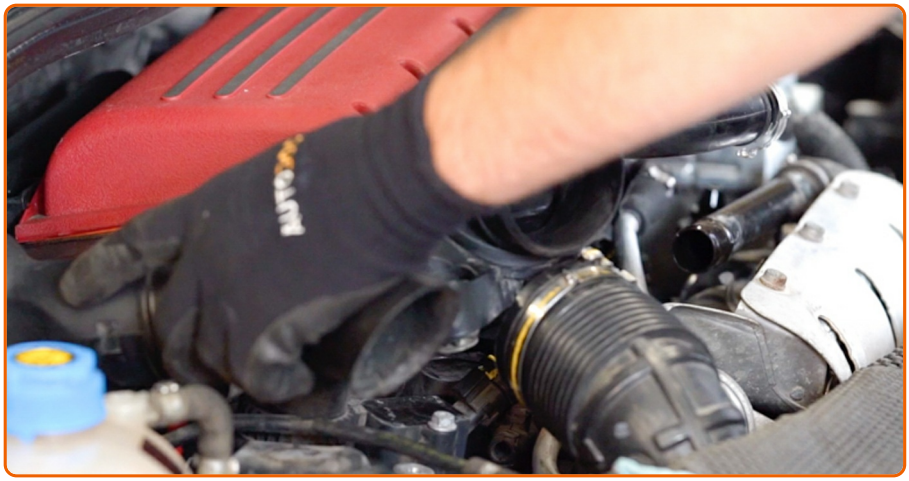
27

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

28

Remove the microfibre towel from the air intake hose.

29



Install the engine cover and secure it.

AUTODOC recommends:

- 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.

30

Connect the crankcase ventilation hose to the air duct.

31

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

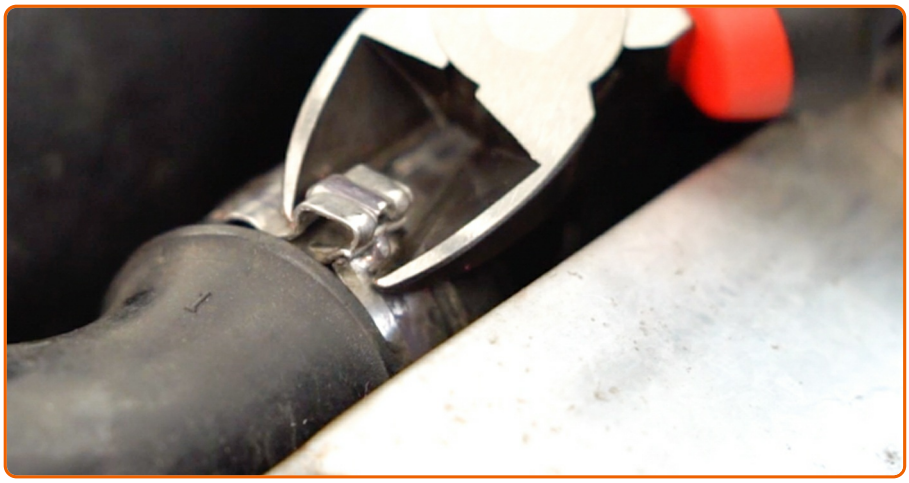
32

Connect the air intake pipe to the air filter housing.

33

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

34



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

35

Remove the fender protection cover.

36

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

37

Shut off the engine.

38

Close the hood.

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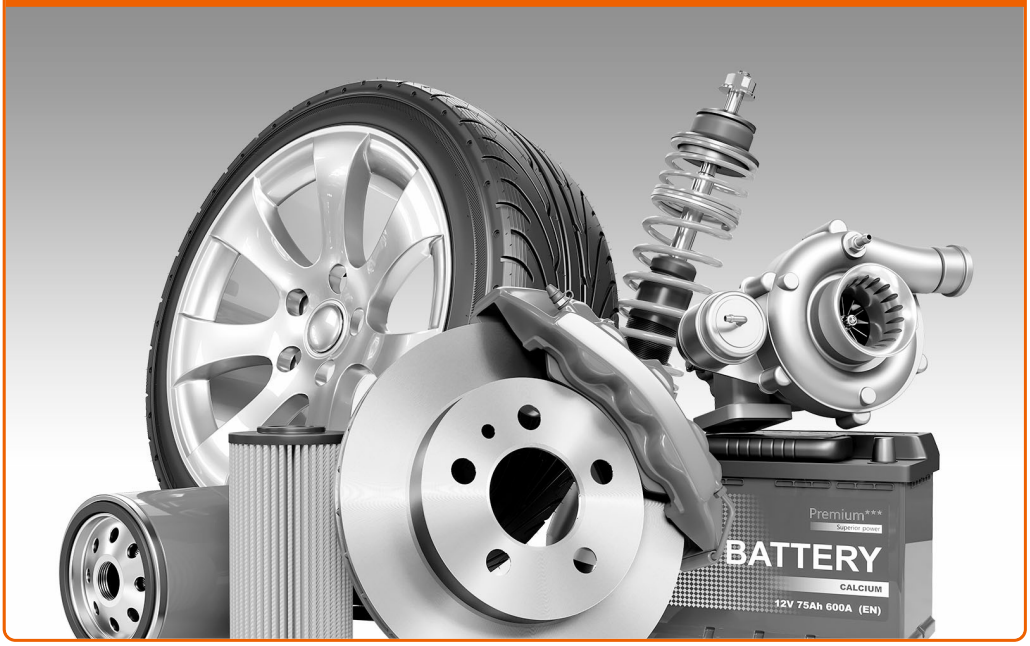

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