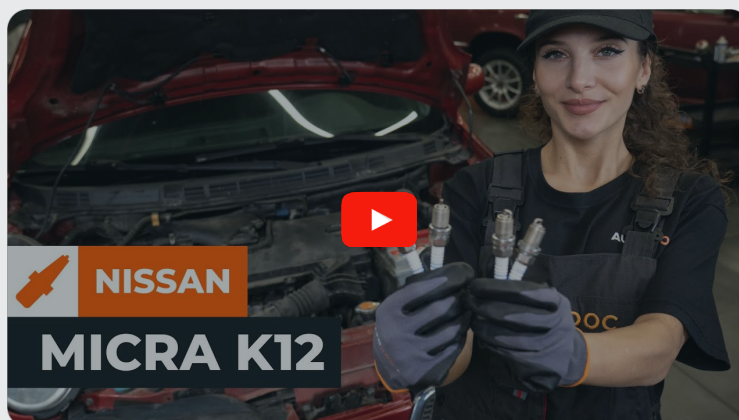




How to change spark
plugs on **NISSAN ALTIMA**
– replacement guide

SIMILAR VIDEO TUTORIAL



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

Important!

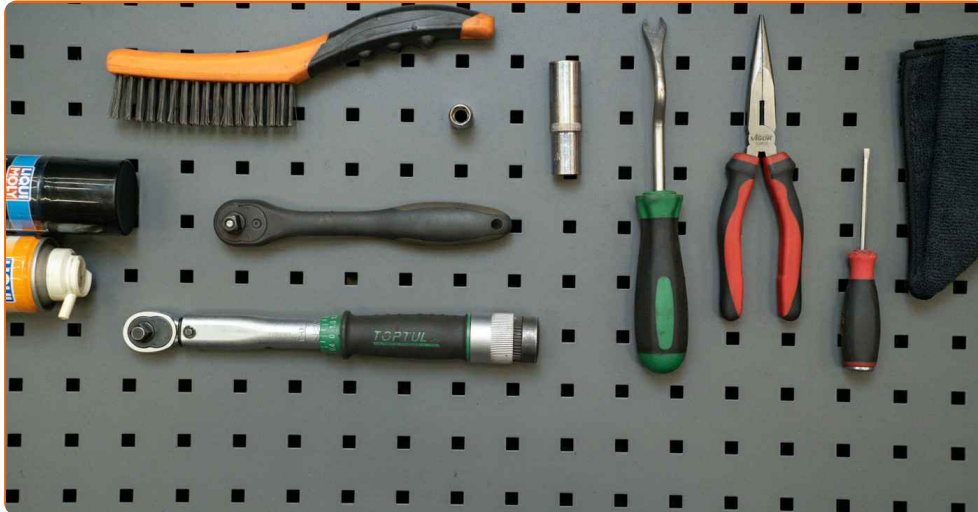
This replacement procedure can be used for:

NISSAN ALTIMA 2.5

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: NISSAN MICRA III (K12) 1.4 16V

REPLACEMENT: SPARK PLUGS – NISSAN ALTIMA. LIST OF THE TOOLS YOU'LL NEED:



- High-temperature anti-seize lubricant
- Dielectric grease
- Torque wrench
- Drive socket # 10
- Spark plug socket # 16
- Ratchet wrench
- Flat screwdriver
- Clip removal tool
- Long nose pliers
- Microfibre towel
- Fender cover

Buy tools

Replacement: spark plugs – NISSAN ALTIMA. Professionals recommend:

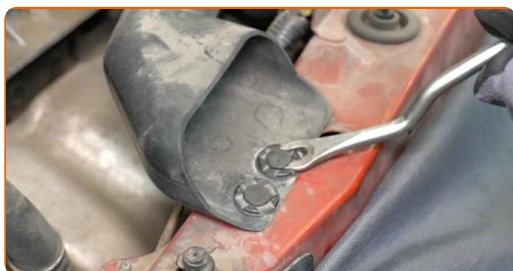
- The replacement procedure is the same for all spark plugs.
- Please note: all work on the car – NISSAN ALTIMA – should be done with the engine switched off.

CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:

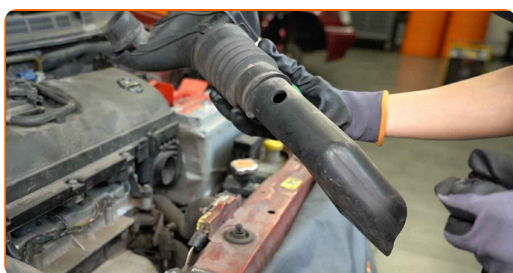
1 Open the bonnet.

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

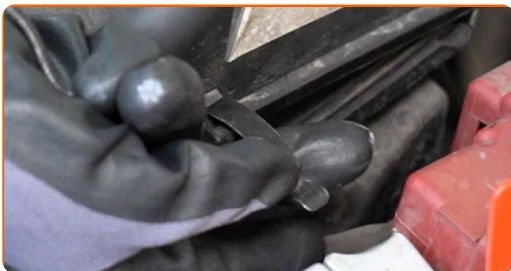
3 Disconnect the fastener of the air intake hose. Use a clip removal tool.



4 Remove the air intake hose.



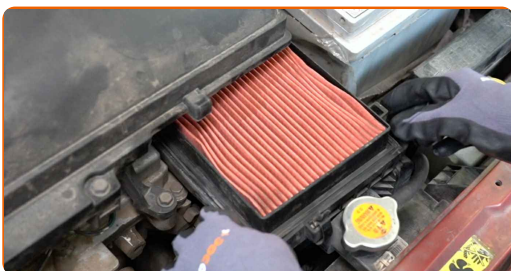
5 Release the air filter housing retainers.



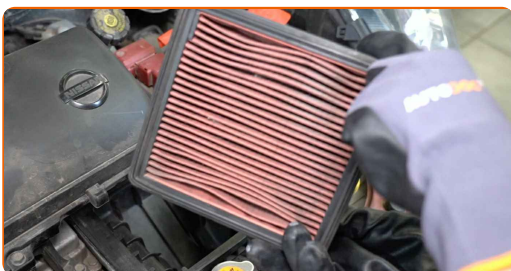
Replacement: spark plugs – NISSAN ALTIMA. Tip:

- The air filter housing is built into the engine cover.

6 Detach the air filter housing.



7 Remove the filter element from the filter housing.



8 Move the air filter housing aside.



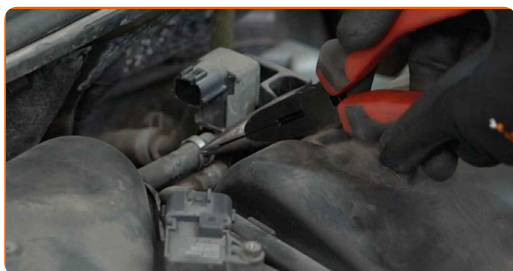
9

Detach the connectors from the engine cover. Use a flat screwdriver.



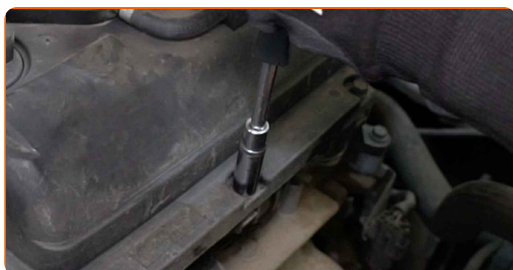
10

Loosen the clamps and detach the hoses from the engine cover. Use long nose pliers.



11

Unscrew the fasteners of the upper engine cover. Use a drive socket #10. Use a ratchet wrench.



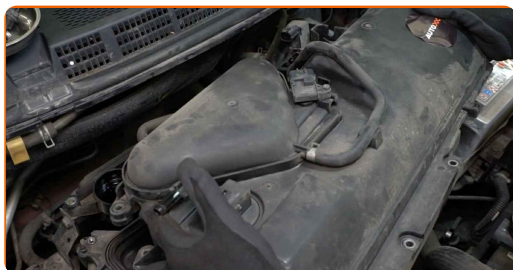
12

Remove the fastening bolts.

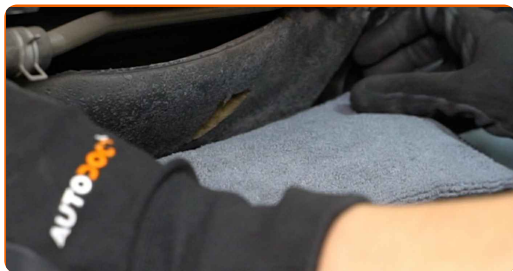


13

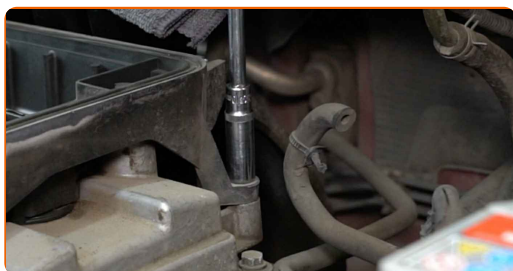
Remove the upper engine cover.



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

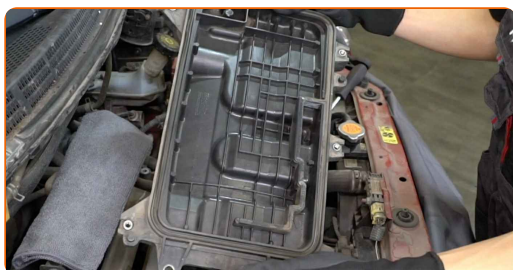


15 Unscrew the fasteners of the lower engine cover. Use a drive socket #10. Use a ratchet wrench.

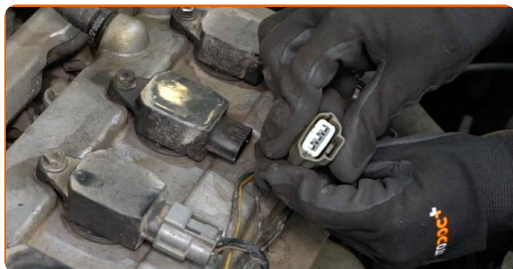


16 Remove the fastening bolts.

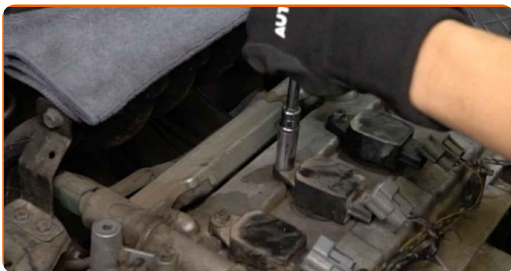
17 Remove the lower engine cover.



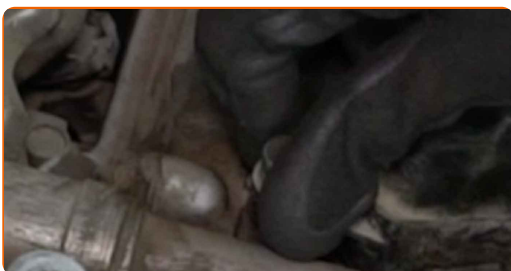
18 Unplug the connectors from the ignition coils.



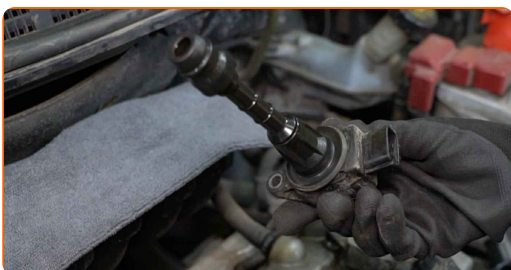
19 Unscrew the fasteners of the ignition coils. Use a drive socket #10. Use a ratchet wrench.



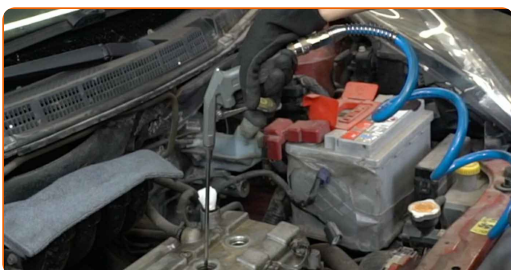
20 Remove the fastening bolts.



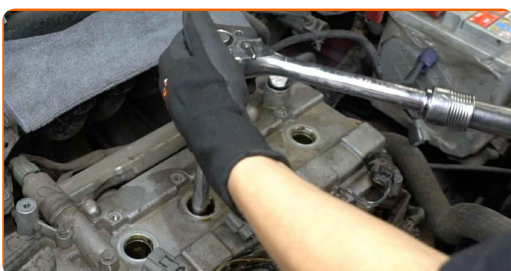
21 Take out the ignition coils from the spark plug wells.



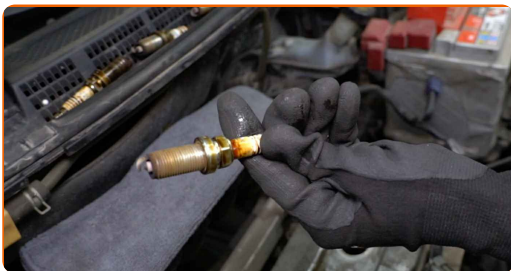
22 Clean dirt, dust and debris from inside the spark plug wells.



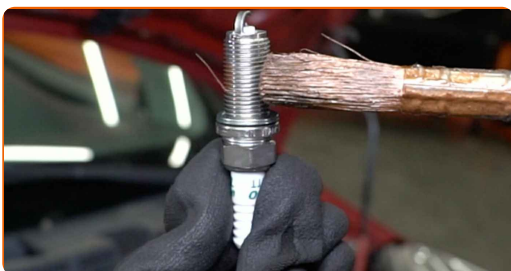
23 Unscrew the spark plugs. Use the spark plug socket #16. Use a ratchet wrench.



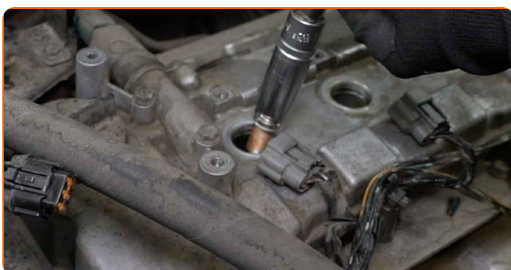
24 Take out the spark plugs.



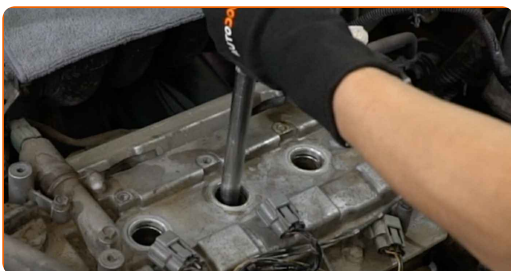
25 Apply a thin layer of a special high temperature anti-seize lubricant to the threads of the new spark plugs.



26 Install the new spark plugs into their mounting seats.



27 Screw new spark plugs and tighten them. Use the spark plug socket #16. Use a torque wrench. Tighten it to 25 nm torque.

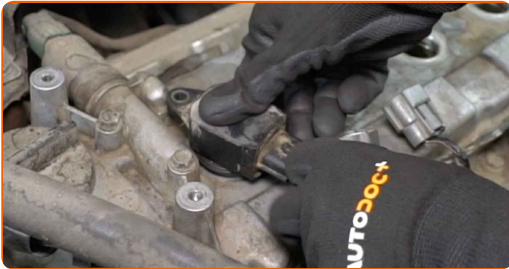


Replacement: spark plugs – NISSAN ALTIMA. AUTODOC experts recommend:

- 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.

28

Install the ignition coils to the spark plug wells.

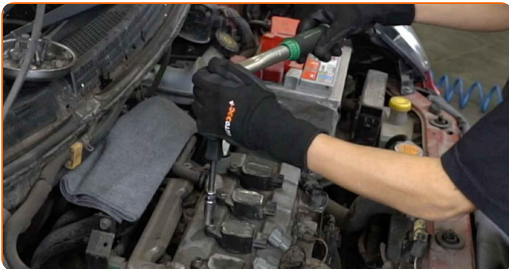


29

Install the fastening bolts.

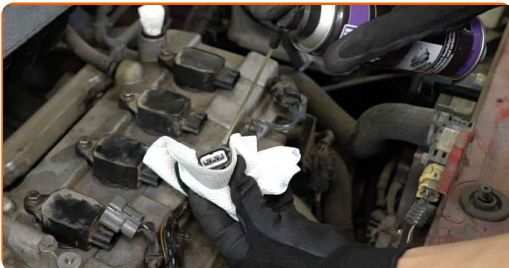
30

Tighten the ignition coil fasteners. Use a drive socket #10. Use a torque wrench. Tighten it to 9 nm torque.



31

Treat the connectors of the ignition coils with an electrical contact cleaner spray.

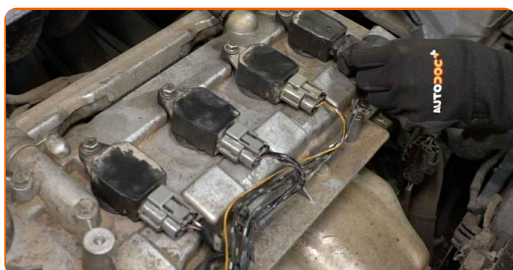


Replacement: spark plugs – NISSAN ALTIMA. Tip:

- The compound will protect the contacts from corrosion and oxidation, and will lower the contact resistance.

32

Plug in the connectors of the ignition coils.



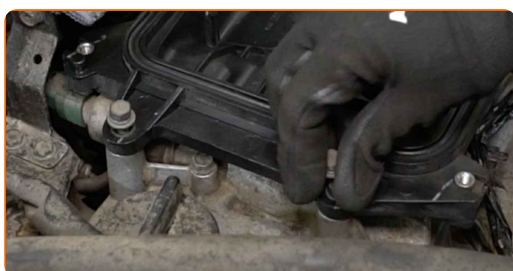
33

Install the lower engine cover.



34

Install the fastening bolts.



35

Screw in the fasteners of the lower engine cover. Use a drive socket #10. Use a ratchet wrench.

36

Remove the microfibre cloth from the engine intake channels.

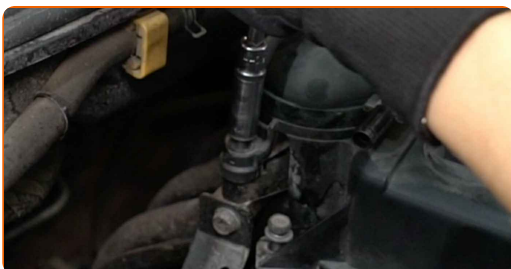


37 Install the upper engine cover.

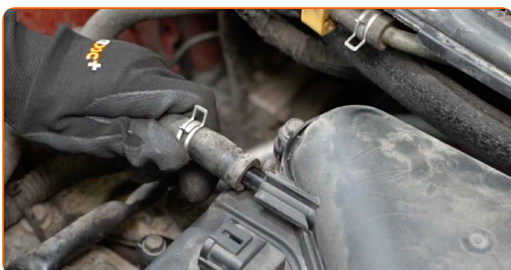


38 Install the fastening bolts.

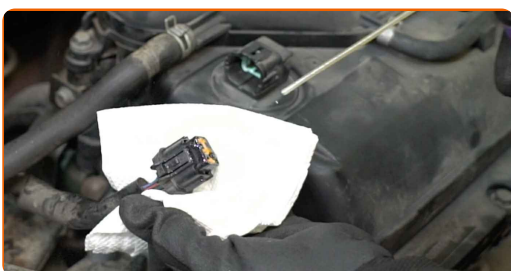
39 Screw in the fasteners of the upper engine cover. Use a drive socket #10. Use a ratchet wrench.



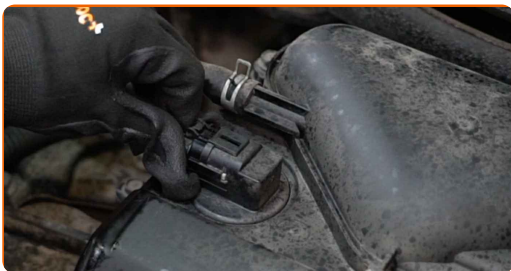
40 Attach the hoses to the engine cover and secure them with the clamps. Use long nose pliers.



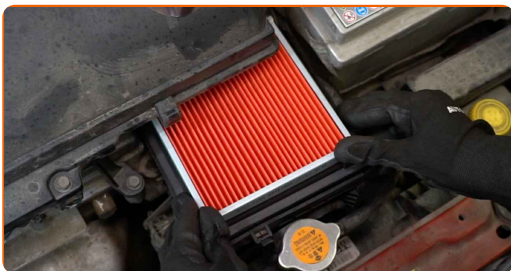
41 Treat the engine cover connectors. Use dielectric grease.



42 Attach the connectors to the engine cover. Use a flat screwdriver.



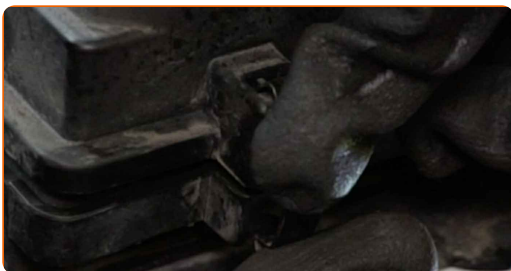
43 Insert the filter cartridge into the filter housing.



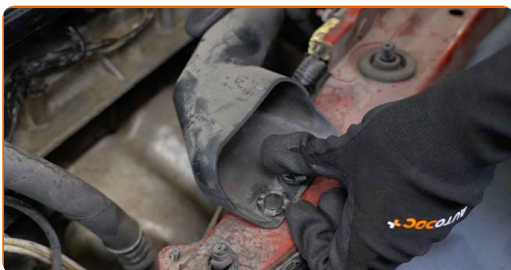
44 Install the air filter housing.



45 Lock the air filter housing retainers.



46 Install the air intake hose and secure it.



47 Run the engine for a few minutes.

Replacement: spark plugs – NISSAN ALTIMA. AUTODOC recommends:

- This is necessary in order to make sure that the component operates properly.

48 Shut off the engine.

49 Remove the fender protection cover.

50 Close the bonnet.

WELL DONE! 

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