



How to change spark  
plugs on **RENAULT**  
**GRAND SCÉNIC III**  
**(JZ0/1\_)** – replacement  
guide

## SIMILAR VIDEO TUTORIAL



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

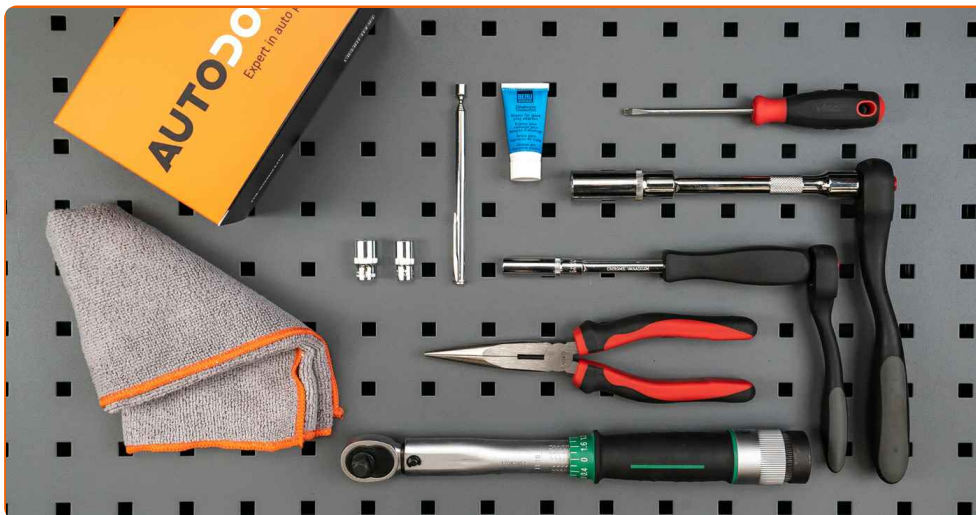
### Important!

This replacement procedure can be used for:  
RENAULT GRAND SCÉNIC III (JZ0/1\_) 2.0 16V

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 Qashqai / Qashqai +2 I (J10, NJ10) 1.6

REPLACEMENT: SPARK PLUGS – RENAULT GRAND SCÉNIC III (JZ0/1\_). TOOLS YOU'LL NEED:



- Electronic spray
- High-temperature anti-seize lubricant
- Torque wrench
- Spark plug socket # 16
- Drive socket # 8
- Drive socket # 10
- Ratchet wrench
- Round-nose pliers
- Flat screwdriver
- Telescoping magnet
- Fender cover

**Buy tools**

Replacement: spark plugs – RENAULT GRAND SCÉNIC III (JZ0/1\_).  
Professionals recommend:

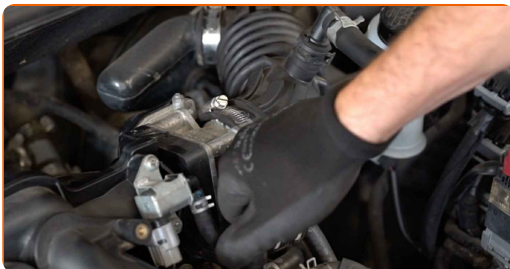
- The replacement procedure is the same for all spark plugs.
- All work should be done with the engine stopped.

**REPLACEMENT: SPARK PLUGS – RENAULT GRAND SCÉNIC III (JZ0/1\_). RECOMMENDED SEQUENCE OF STEPS:**

**1** Open the hood.

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

**3** Disconnect the crankcase ventilation hose from the air duct. Use round-nose pliers.

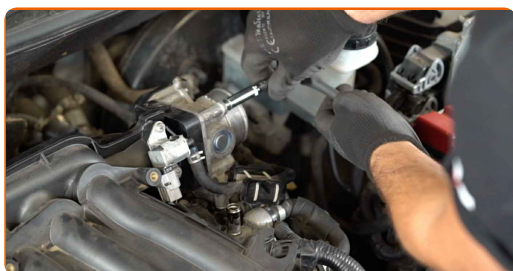


**4** Unscrew the clamps and fasteners on the air filter intake pipe. Use a drive socket #10. Use a ratchet wrench.

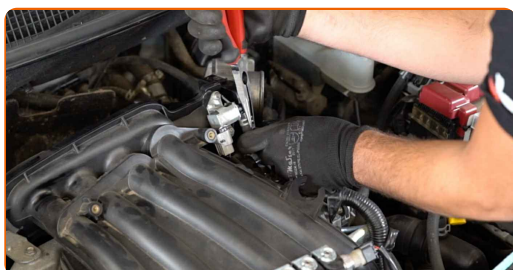


**5** Disconnect the air intake pipe from the air filter housing.

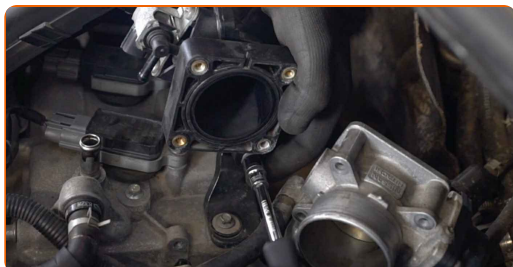
- 6 Unscrew the fasteners connecting the throttle valve to the intake manifold. Use a drive socket #8. Use a ratchet wrench.



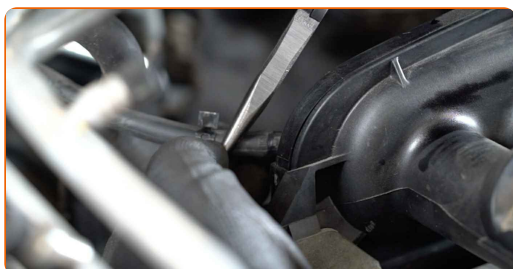
- 7 Release the clamp and detach the connector and the vacuum hose from the intake manifold near the throttle valve. Use round-nose pliers.



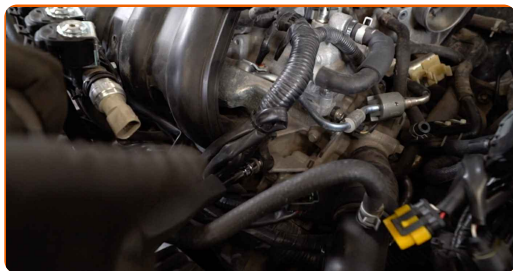
- 8 Unscrew the fasteners of the intake manifold bracket. Use a drive socket #10.



- 9 Detach the vacuum booster hose from the intake manifold.



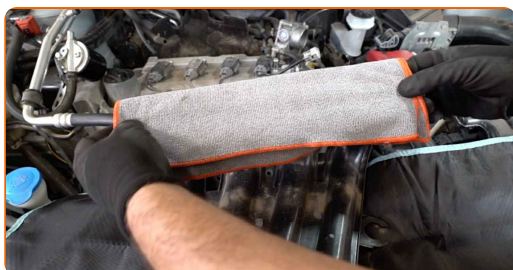
**10** Unscrew the intake manifold fasteners. Use a drive socket #10. Use a ratchet wrench.



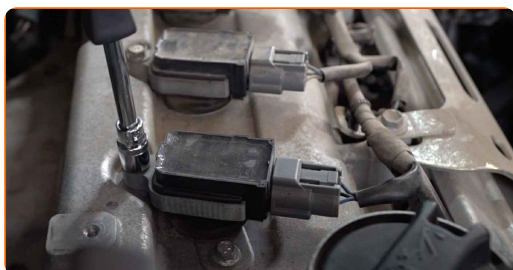
**11** Remove the intake manifold.



**12** Cover the intake manifold passages with a microfibre towel to prevent dust and dirt from getting inside.



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





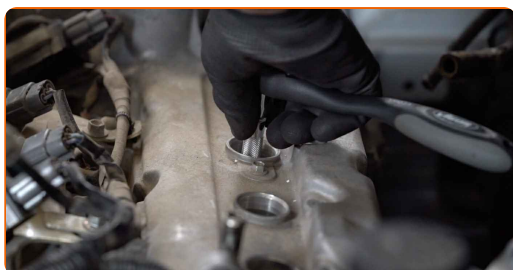
**14** Take out the ignition coil from the spark plug well.



**15** Clean dirt, dust and debris from inside the spark plug well.



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



**17** Take out the spark plugs. Use a telescoping magnet.

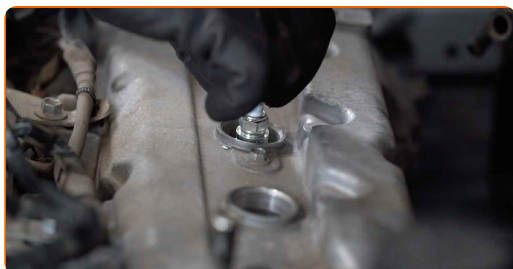


**18** Apply a thin layer of a special high temperature anti-seize lubricant to the threads of the new spark plugs.

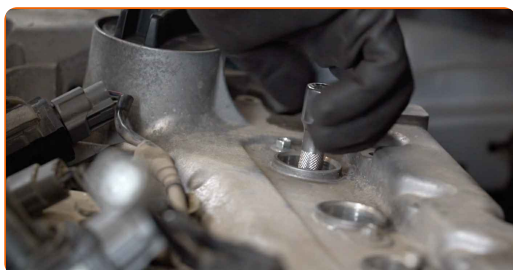


**19** Treat the surface of the terminals of the new spark plugs. Use electronic spray.

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



**21** Screw new spark plugs and tighten them. Use the spark plug socket #16. Use a torque wrench. Tighten it to 19.6 nm torque.



**AUTODOC recommends:**

- 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.



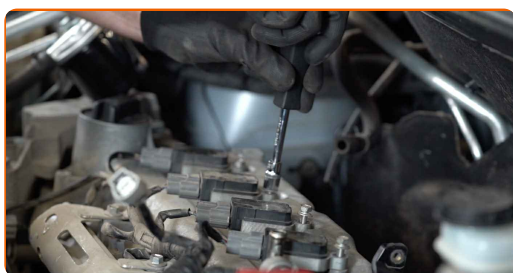
**22** Install the ignition coil to the spark plug well. Make sure you hear a click indicating that it is locked in place.



Replacement: spark plugs – RENAULT GRAND SCÉNIC III (JZ0/1\_). Tip:

- Follow the installation sequence.

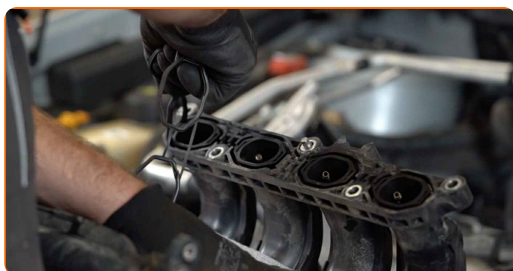
**23** Tighten the ignition coil fastening. Use a drive socket #10. Use a torque wrench. Tighten it to 7 nm torque.



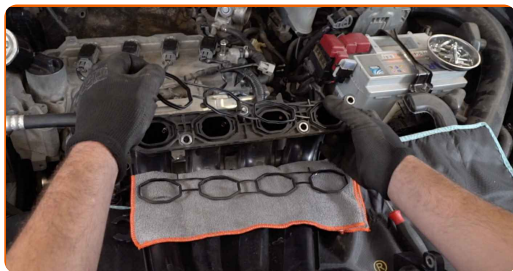
**24** Remove the microfibre towel from the intake manifold.



**25** Remove the intake manifold gasket. Use a flat screwdriver.



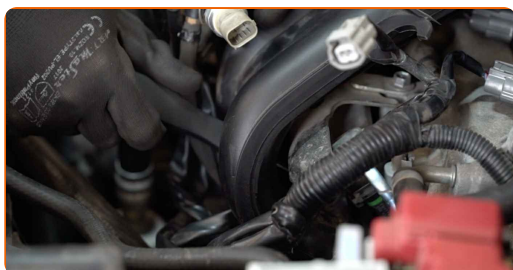
**26** Install the new intake manifold gasket.



**27** Install the intake manifold.



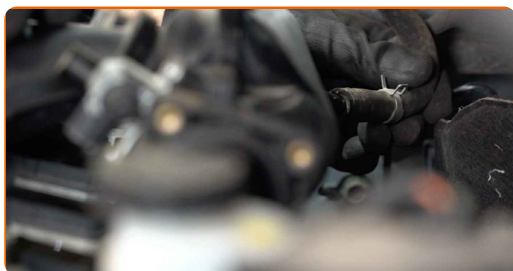
**28** Tighten the intake manifold fasteners. Use a drive socket #10. Use a torque wrench. Tighten it to 27 nm torque.



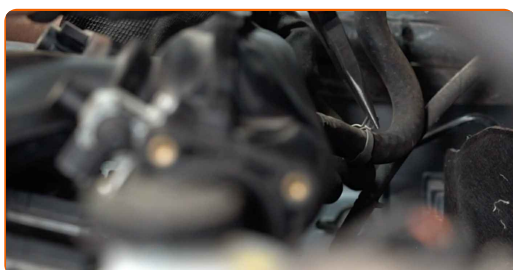
**29** Tighten the fasteners of the intake manifold bracket. Use a drive socket №10. Use a torque wrench. Tighten it to 10 nm torque.



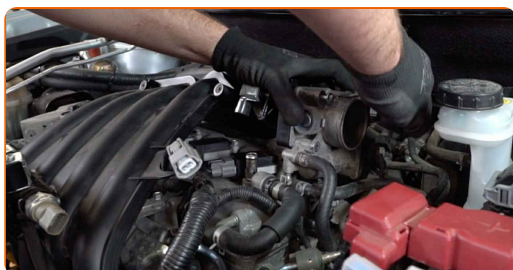
**30** Attach the vacuum booster hose to the intake manifold.



**31** Squeeze and install the vacuum booster hose clamp. Use round-nose pliers.



**32** Install the throttle valve on the intake manifold.



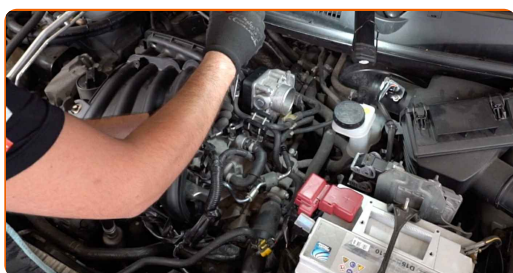
**33** Tighten the throttle valve fasteners. Use a drive socket #8. Use a torque wrench. Tighten it to 10 nm torque.



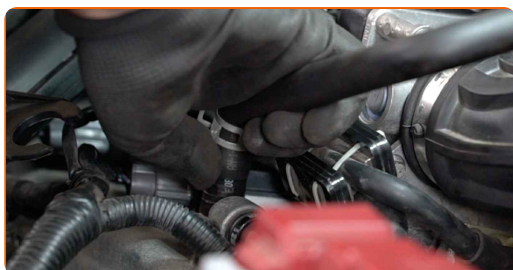
**34** Attach the connector and the vacuum hose to the intake manifold near the throttle valve. Use round-nose pliers.



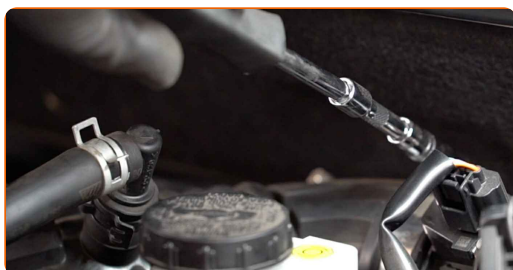
**35** Connect the air intake pipe to the air filter housing.



**36** Connect the crankcase ventilation hose to the air duct. Use round-nose pliers.



**37** Tighten the clamp and fasteners on the air filter intake pipe. Use a drive socket #10. Use a ratchet wrench.



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

**39** Shut off the engine.

40 Remove the fender protection cover.

41 Close the hood.

**WELL DONE!** 

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