



How to change spark  
plugs on **TOYOTA RAV 4**  
**(SXA1\_)** – 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:  
TOYOTA RAV 4 (SXA1\_) 2.0 4WD (SXA11)

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: TOYOTA Yaris Hatchback (\_P9\_) 1.3 VVT-i (SCP90\_)

REPLACEMENT: SPARK PLUGS – TOYOTA RAV 4 (SXA1\_). LIST OF THE TOOLS YOU'LL NEED:



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

**Buy tools**

Replacement: spark plugs – TOYOTA RAV 4 (SXA1\_). Tip from AUTODOC:

- The replacement procedure is the same for all spark plugs.
- Please note: all work on the car – TOYOTA RAV 4 (SXA1\_) – 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.

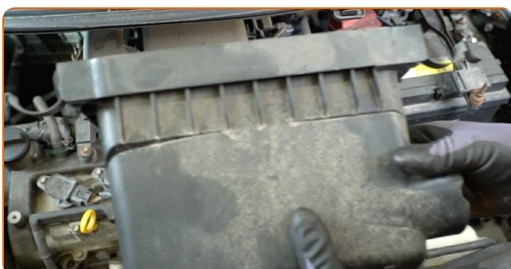
3 Release the air filter cover clips.



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



5 Take off the filter lid.



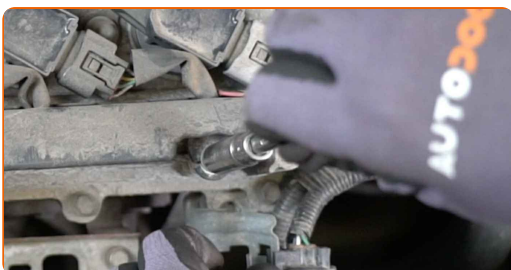
**6** Cover the air intake hose with a microfibre towel to prevent dust and dirt from getting into the system.



**7** Clean the ignition coils.



**8** Unscrew the fasteners of the wiring harness bracket. Use a drive socket #10. Use a ratchet wrench.



**9** Remove the fastening bolts.



**10** Remove the oil dipstick.



11 Move the wiring harness bracket aside.



12 Insert the oil dipstick.



13 Unplug the connectors from the ignition coils.



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



15 Remove the fastening bolts.





**16** Take out the ignition coils from the spark plug wells.



Replacement: spark plugs – TOYOTA RAV 4 (SXA1\_). Professionals recommend:

- Remember the sequence of steps for ignition coil demounting.

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



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



**19** Take out the spark plugs.



20

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



21

Install the new spark plugs into their mounting seats.



### AUTODOC recommends:

- Lower the spark plugs into the wells carefully, making sure not to damage the electrode gap.

22

Screw new spark plugs and tighten them. Use the spark plug socket #16. Use a torque wrench. Tighten it to 18 nm torque.





Replacement: spark plugs – TOYOTA RAV 4 (SXA1\_). 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.

23

Install the ignition coils to the spark plug wells.



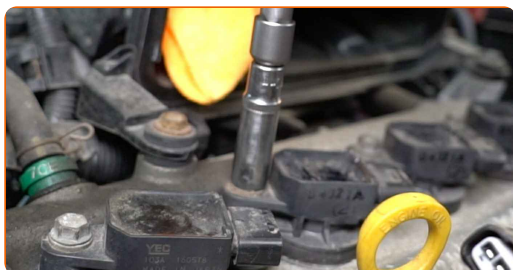
24

Install the fastening bolts.



25

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



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



- 27 Plug in the connectors of the ignition coils.



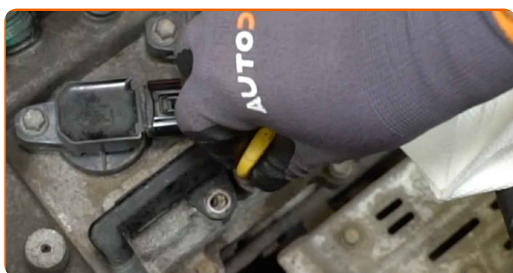
- 28 Remove the oil dipstick.



- 29 Reinstall the wiring harness bracket.



- 30 Insert the oil dipstick.



**31** Install the fastening bolts.



**32** Tighten the fasteners of the wiring harness bracket. Use a drive socket #10. Use a torque wrench. Tighten it to 9 Nm torque.



**33** Clean the air filter cover and housing.



**34** Remove the microfibre towel from the air intake hose.



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



**36** Reinstall the air filter cover. Fasten it.



**37** Press the air filter cover clips into place.



**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!** 

**VIEW MORE TUTORIALS**

# AUTODOC – TOP QUALITY AND AFFORDABLE CAR PARTS ONLINE

**AUTODOC MOBILE APP: GREAT DEALS AND CONVENIENT SHOPPING**



**+ AUTODOC**

GET IT ON  
 **Google Play**

 **Download on the App Store**

**Download**

**A GREAT SELECTION OF SPARE PARTS FOR YOUR CAR**

**SPARK PLUGS: A WIDE SELECTION**

## **DISCLAIMER:**

The document contains only general recommendations that may be useful for you when you perform repair or replacement work. AUTODOC shall not be liable for any loss, injury, damage of property occurring in the repair or replacement process due to incorrect use or misinterpretation of the provided information.

AUTODOC shall not be liable for any possible mistakes and uncertainties in this guide. The information provided is for information purposes only and cannot replace advice from specialists.

AUTODOC shall not be liable for incorrect or hazardous usage of equipment, tools and car parts. AUTODOC strongly recommends to be careful and observe the safety rules when performing repair or replacement works. Remember: usage of low quality auto parts does not guarantee you the appropriate level of road safety.

© Copyright 2022 – All the contents of this website, in particular texts, photographs and graphics, are protected by copyright. All rights, including reproduction, publication, editing and translation rights, are reserved by AUTODOC GmbH.