



How to change spark  
plugs on **TOYOTA**  
**Corolla Saloon (\_E18\_,  
ZRE1\_)** – 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 Corolla Saloon (\_E18\_, ZRE1\_) 1.3 (NRE180\_), TOYOTA Corolla Saloon (\_E18\_, ZRE1\_) 1.6 (ZRE181\_), TOYOTA Corolla Saloon (\_E18\_, ZRE1\_) 1.8 VVTi (ZRE172), TOYOTA Corolla Saloon (\_E18\_, ZRE1\_) 1.6 (ZRE171\_)

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 AURIS (NRE15\_, ZZE15\_, ADE15\_, ZRE15\_, NDE15\_) 1.8 Hybrid (ZWE150\_)

REPLACEMENT: SPARK PLUGS – TOYOTA COROLLA SALOON (\_E18\_, ZRE1\_). TOOLS YOU'LL NEED:



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

**Buy tools**

Replacement: spark plugs – TOYOTA Corolla Saloon (\_E18\_, ZRE1\_).  
Professionals recommend:

- The replacement procedure is the same for all spark plugs.
- Please note: all work on the car – TOYOTA Corolla Saloon (\_E18\_, ZRE1\_) – should be done with the engine switched off.

## CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:

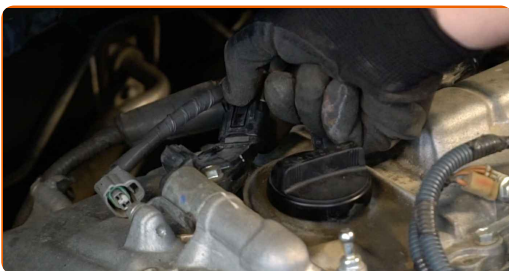
**1** Open the bonnet.

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

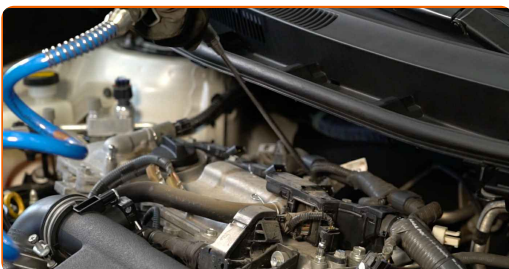
**3** Remove the engine cover.



**4** Unplug the connectors from the ignition coils.



**5** Clean the ignition coils.



6

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



7

Take out the ignition coils from the spark plug wells.



Replacement: spark plugs – TOYOTA Corolla Saloon (\_E18\_, ZRE1\_).  
AUTODOC recommends:

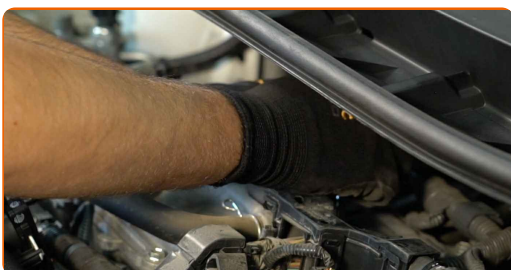
- Remember the sequence of steps for ignition coil demounting.

8

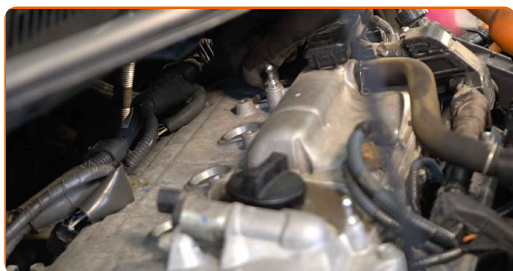
Clean dirt, dust and debris from inside the spark plug wells.

9

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



**10** Take out the spark plugs.



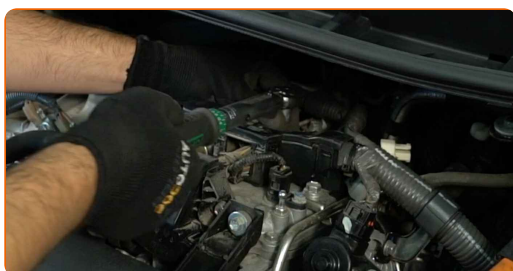
**11** Apply a thin layer of a special high temperature anti-seize lubricant to the threads of the new spark plugs.



**12** Install the new spark plugs into their mounting seats. Use the spark plug socket #16.



**13** Screw new spark plugs and tighten them. Use the spark plug socket #16. Use a torque wrench. Tighten it to 20 nm torque.



Replacement: spark plugs – TOYOTA Corolla Saloon (\_E18\_, ZRE1\_).  
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.

**14** Treat the ignition coil tips. Use high-temperature grease.

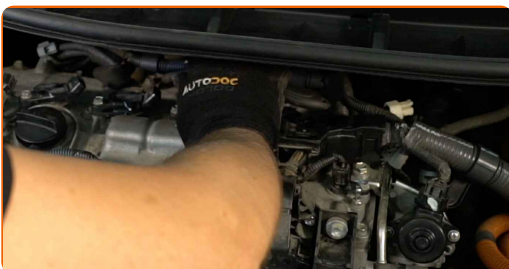
**15** Install the ignition coils to the spark plug wells. Make sure you hear a click indicating that it is locked in place.



AUTODOC recommends:

- Replacement: spark plugs – TOYOTA Corolla Saloon (\_E18\_, ZRE1\_). Follow the installation steps.

**16** Tighten the fasteners of the ignition coils. Use a drive socket #10. Use a ratchet wrench.



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



- 18** Plug in the connectors of the ignition coils.



- 19** 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.
- Replacement: spark plugs – TOYOTA Corolla Saloon (\_E18\_, ZRE1\_). Do not use excessive force during installation. This may damage the fasteners.



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

**21** Shut off the engine.

**22** Remove the fender protection cover.

**23** Close the hood.

**WELL DONE!** 

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**SPARK PLUGS: A WIDE SELECTION**

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