



How to change spark  
plugs on **TOYOTA**  
**COROLLA Estate (\_E12J\_,  
\_E12T\_)** – replacement  
guide

## SIMILAR VIDEO TUTORIAL



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

### Important!

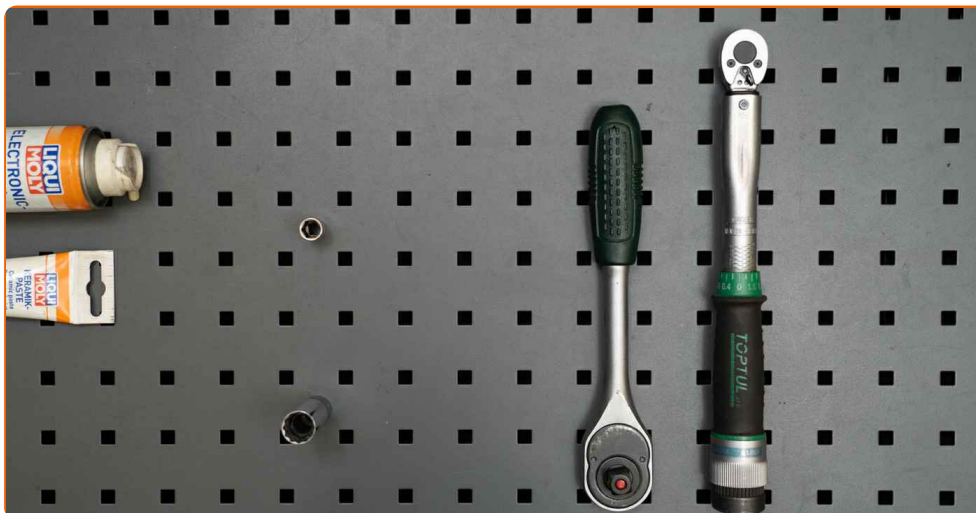
This replacement procedure can be used for:

TOYOTA COROLLA Estate (\_E12J\_, \_E12T\_) 1.8 (ZZE122)

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 RAV 4 II (CLA2\_, XA2\_, ZCA2\_, ACA2\_) 2.0 4WD (ACA21, ACA20)

REPLACEMENT: SPARK PLUGS – TOYOTA COROLLA ESTATE (\_E12J\_, \_E12T\_). TOOLS YOU 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 COROLLA Estate (\_E12J\_, \_E12T\_).  
Professionals recommend:

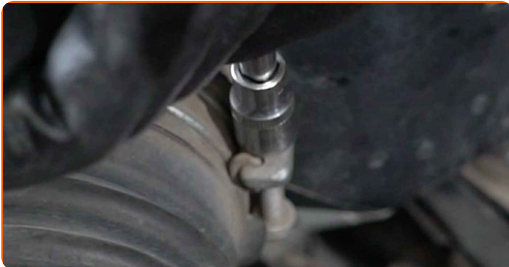
- The replacement procedure is the same for all spark plugs.
- All work should be done with the engine stopped.

## REPLACEMENT: SPARK PLUGS – TOYOTA COROLLA ESTATE (\_E12J\_, \_E12T\_). RECOMMENDED SEQUENCE OF STEPS:

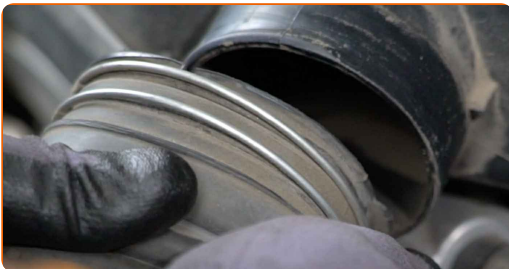
**1** Open the bonnet.

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

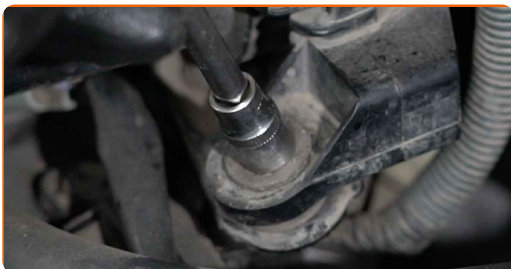
**3** Loosen the fastening clamp connecting the air duct to the air filter housing. Use a drive socket #10. Use a ratchet wrench.



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



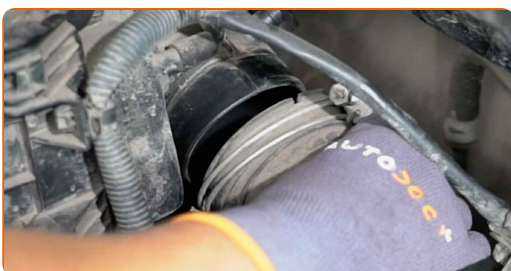
**5** Unscrew the fasteners of the air filter housing. Use a drive socket #10. Use a ratchet wrench.



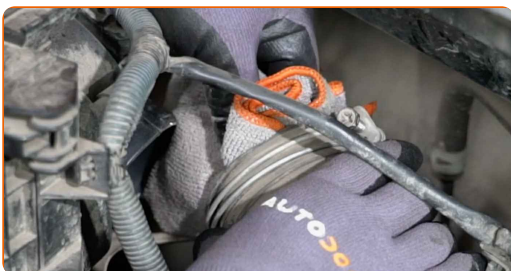
**6** Loosen the fastening clamp connecting the air duct to the air filter housing. Use a drive socket #10. Use a ratchet wrench.



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



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

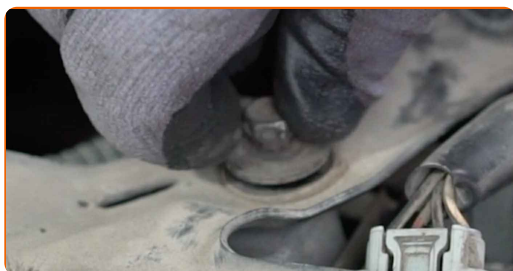


**9** Move the air filter housing aside.

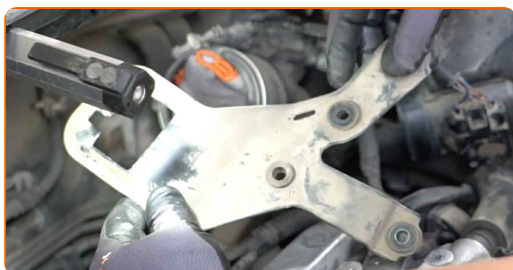
**10** Unscrew the fasteners of the air filter housing bracket. Use a drive socket #10. Use a ratchet wrench.



**11** Remove the fastening bolts.



**12** Remove the air filter housing bracket.



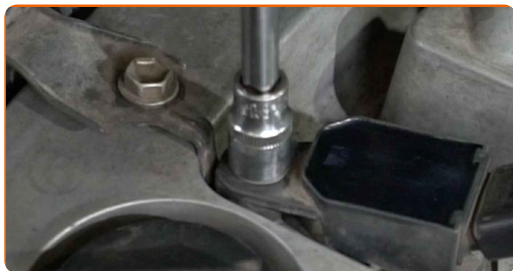
**13** Clean the ignition coils.



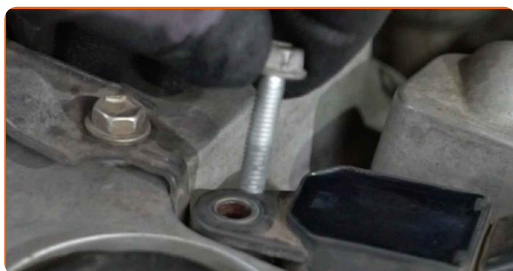
**14** Unplug the connectors from the ignition coils.



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



**16** Remove the fastening bolts.



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



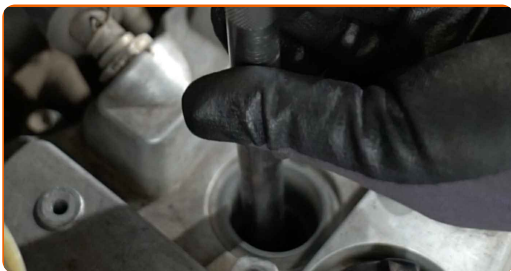
Replacement: spark plugs – TOYOTA COROLLA Estate (\_E12J\_, \_E12T\_). Tip:

- Remember the sequence of steps for ignition coil demounting.

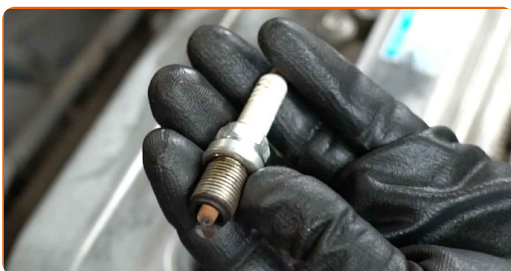
**18** Clean dirt, dust and debris from inside the spark plug wells.



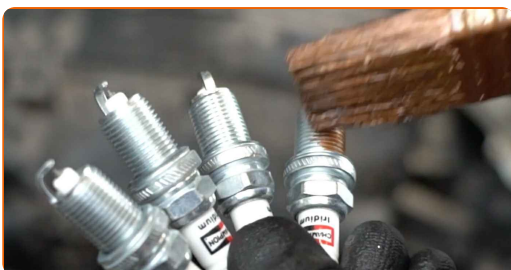
**19** Unscrew the spark plugs. Use the spark plug socket #16. Use a ratchet wrench.



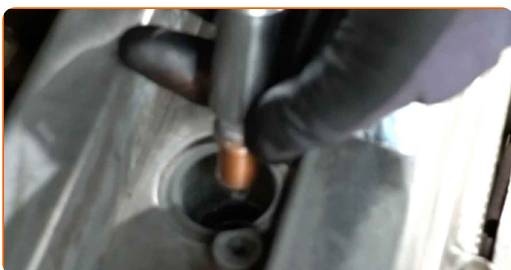
**20** Take out the spark plugs.



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

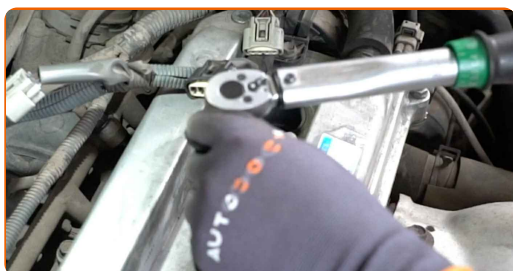


**22** Install the new spark plugs into their mounting seats.





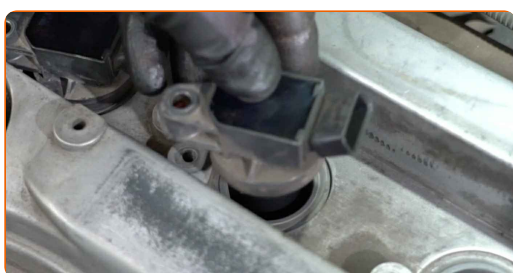
- 23** Screw new spark plugs and tighten them. Use the spark plug socket #16. Use a torque wrench. Tighten it to 19 nm torque.



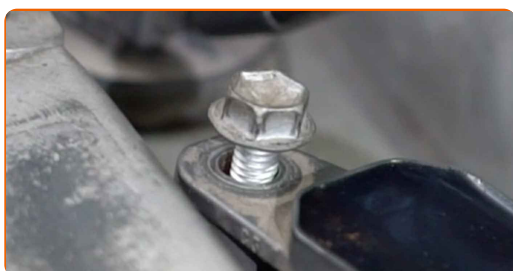
Replacement: spark plugs – TOYOTA COROLLA Estate (\_E12J\_, \_E12T\_). Tip from AUTODOC experts:

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

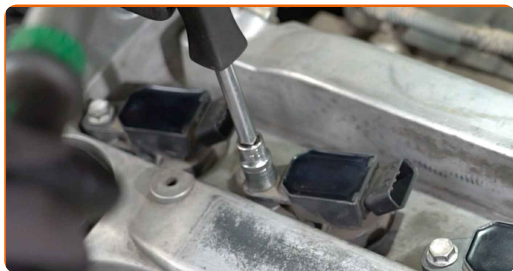
- 24** Install the ignition coils to the spark plug wells.



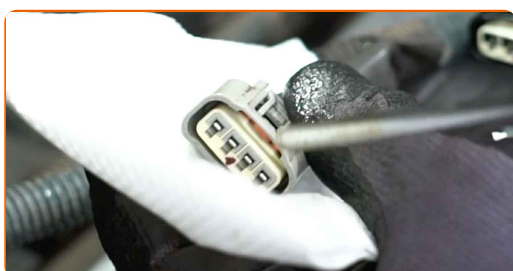
- 25** Install the fastening bolts.



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



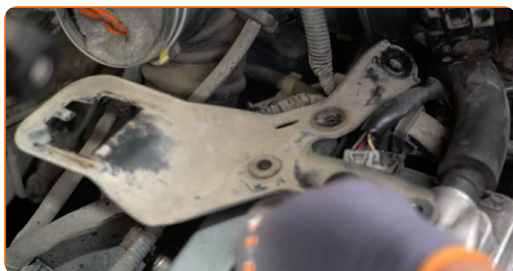
**27** Treat the ignition coil connector with electronic spray. The spray will protect the electrical contacts from corrosion, oxidation, and will reduce the contact resistance.



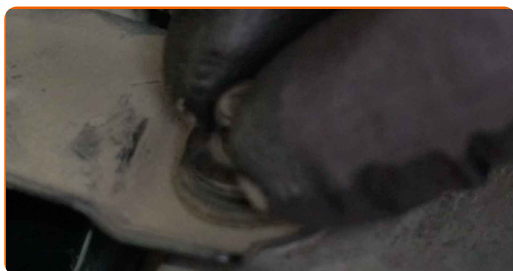
**28** Plug in the connectors of the ignition coils.



**29** Install the air filter housing bracket.



**30** Install the fastening bolts.



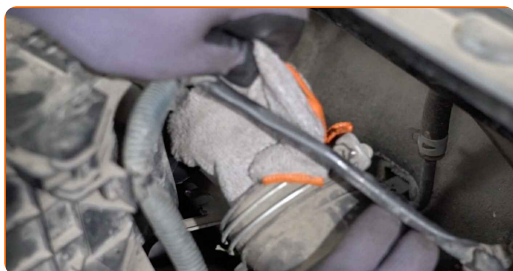
**31** Tighten the fasteners of the air filter housing bracket. Use a drive socket #10. Use a torque wrench. Tighten it to 9 Nm torque.



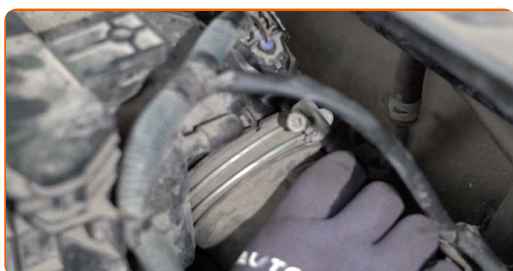
**32** Install the air filter housing.



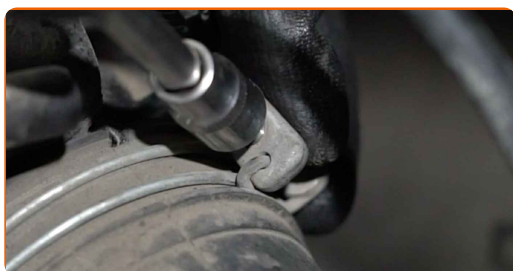
**33** Remove the microfibre towel from the air intake hose.



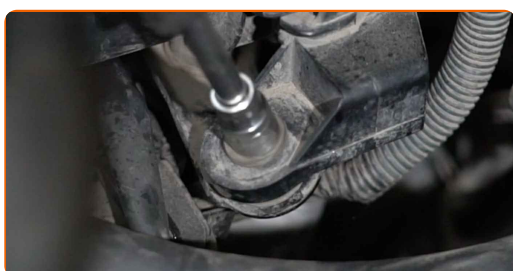
**34** Connect the air intake pipe to the air filter housing.



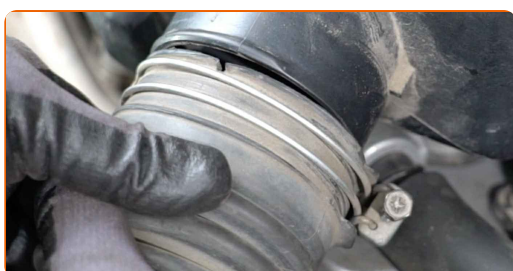
- 35 Screw the fastening clamp connecting the air duct to the air filter housing. Use a drive socket #10. Use a ratchet wrench.



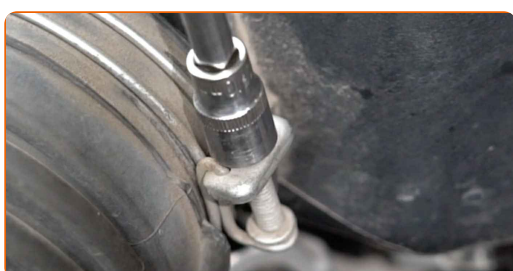
- 36 Screw in the fasteners of the air filter housing. Use a drive socket #10. Use a ratchet wrench.



- 37 Connect the air intake pipe to the air filter housing.



- 38 Screw the fastening clamp connecting the air duct to the air filter housing. Use a drive socket #10. Use a ratchet wrench.



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

- 40 Shut off the engine.

- 41 Remove the fender protection cover.

42

Close the hood.

**WELL DONE!** 

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