



How to change spark
plugs on **TOYOTA**
Alphard / Vellfire (_H2_)
– 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 Alphard / Vellfire (_H2_) 2.4, TOYOTA Alphard / Vellfire (_H2_) 2.4 4WD

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 PRIUS Hatchback (NHW20_) 1.5 Hybrid (NHW2_)

REPLACEMENT: SPARK PLUGS – TOYOTA ALPHARD / VELLFIRE (_H2_). LIST OF THE TOOLS YOU'LL NEED:



- WD-40 spray
- High-temperature anti-seize lubricant
- Drive socket # 10
- Drive socket # 14
- Spark plug socket # 16
- Ratchet wrench
- Torque wrench
- Clip removal tool
- Fender cover

Buy tools

Replacement: spark plugs – TOYOTA Alphard / Vellfire (_H2_). Tip from AUTODOC experts:

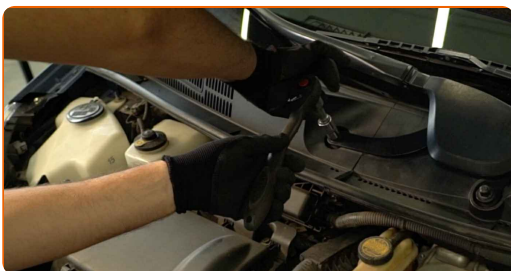
- The replacement procedure is the same for all spark plugs.
- All work should be done with the engine stopped.

REPLACEMENT: SPARK PLUGS – TOYOTA ALPHARD / VELLFIRE (_H2_). TAKE THE FOLLOWING STEPS:

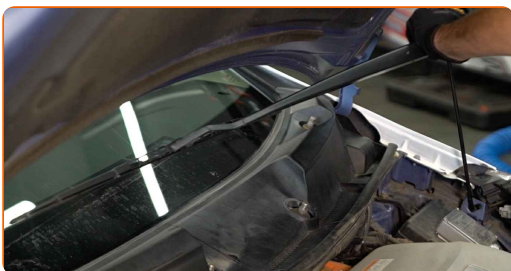
1 Open the bonnet.

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

3 Unscrew the fasteners of the windscreen wiper arms. Use a drive socket #14. Use a ratchet wrench.



4 Remove the wiper arms.



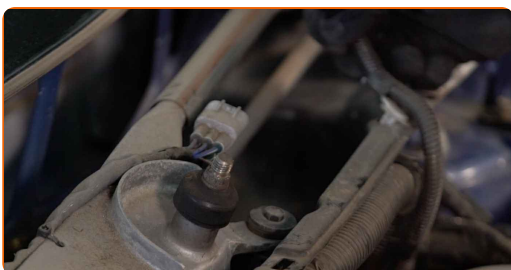
5 Remove the wiper arm covers. Use a clip removal tool.



6 Treat the fasteners of the windscreen wiper linkage. Use WD-40 spray.



7 Detach the windscreen wiper connector.



8 Unscrew the fasteners of the windscreen wiper linkage panel. Use a drive socket #10. Use a ratchet wrench.



9

Unscrew the fasteners of the fuse box. Use a drive socket #10. Use a ratchet wrench.



10

Remove the panel assembled with the windscreen wiper linkage.



11

Clean the ignition coils.



12

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



13

Take out the ignition coils from the spark plug wells.



Replacement: spark plugs – TOYOTA Alphard / Vellfire (_H2_). AUTODOC recommends:

- Remember the sequence of steps for ignition coil demounting.

14

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



15

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



16

Take out the spark plugs.



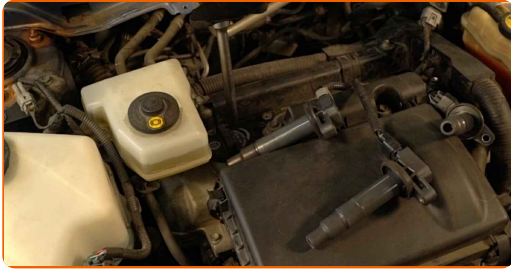
17

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



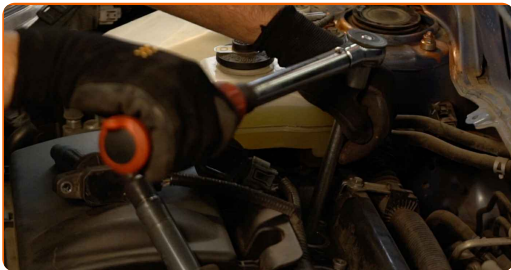
18

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



19

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 Alphard / Vellfire (_H2_). Professionals recommend:

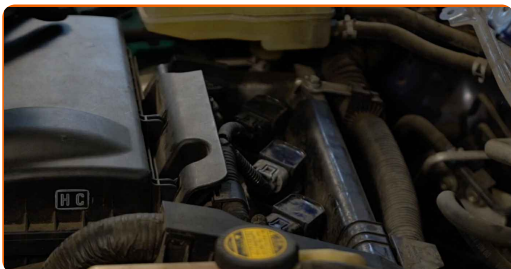
- Don't tighten the plugs with excessive force. Exceeding tightening torque can damage the thread connection.
- Be careful when working with a spark plug wrench. Its skewing can cause damage to the threaded connection.

20

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



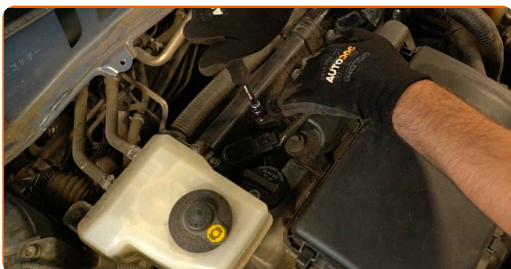
21 Install the ignition coils to the spark plug wells. Make sure you hear a click indicating that it is locked in place.



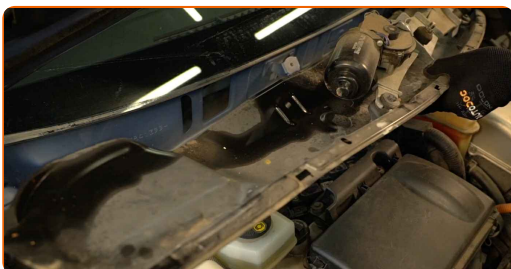
AUTODOC recommends:

- Replacement: spark plugs – TOYOTA Alphard / Vellfire (_H2_). Follow the installation steps.

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



23 Install the panel assembled with the windscreen wiper linkage.



24 Screw in the fasteners of the windscreen wiper linkage panel. Use a drive socket #10. Use a ratchet wrench.



25 Screw in the fasteners of the fuse box. Use a drive socket #10. Use a ratchet wrench.



26 Attach the windscreen wiper connector.



27 Install the wiper arm covers.



28 Reinstall the wiper arms.



Replacement: spark plugs – TOYOTA Alphard / Vellfire (_H2_). Tip:

- Make sure not to mix up the wiper arms on the driver's and passenger's sides.

29 Tighten the fasteners of the wiper arms. Use a drive socket #14. Use a torque wrench. Tighten it to 21 Nm torque.



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

31 Shut off the engine.

32 Remove the fender protection cover.

33 Close the hood.

WELL DONE! 

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SPARK PLUGS: A WIDE SELECTION

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