



How to change spark  
plugs on **TOYOTA**  
**Alphard (\_H1\_)** –  
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 (\_H1\_) 2.4, TOYOTA Alphard (\_H1\_) 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  
 (\_H1\_). 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 (\_H1\_). 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 (\_H1\_). TAKE THE FOLLOWING STEPS:

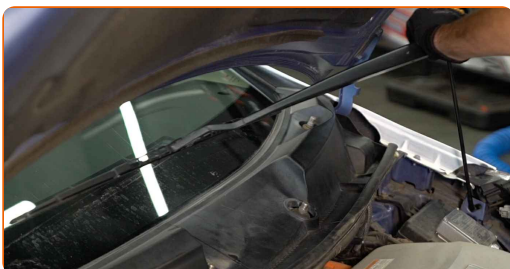
1 Open the bonnet.

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.

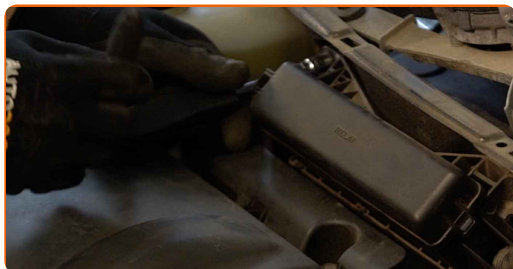


**8** Unscrew the fasteners of the windscreen wiper linkage panel. Use a drive socket #10. Use a ratchet wrench.



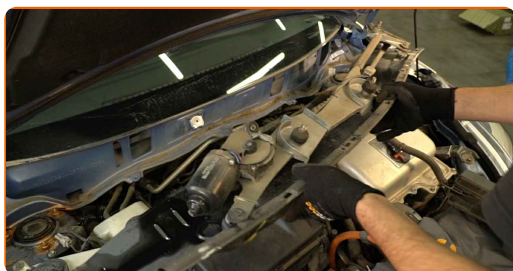
9

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



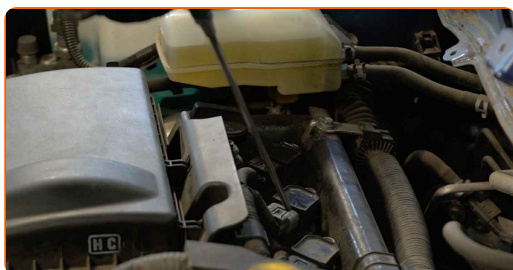
10

Remove the panel assembled with the windscreen wiper linkage.



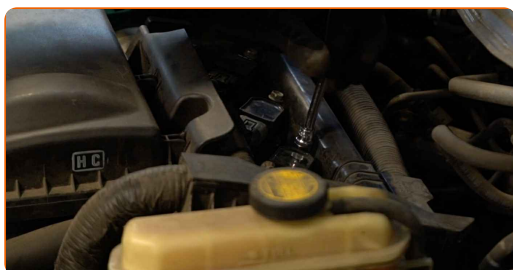
11

Clean the ignition coils.



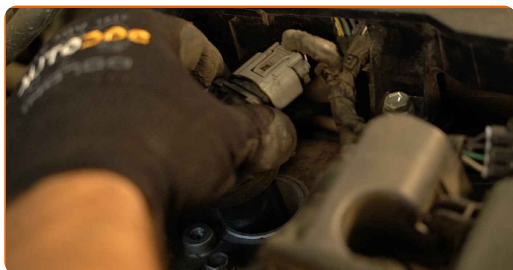
12

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.

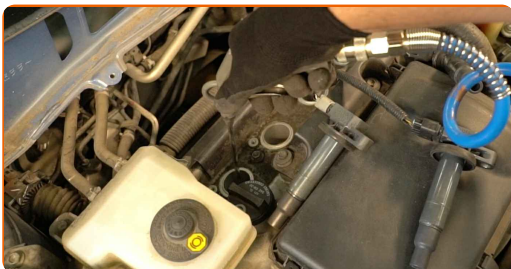




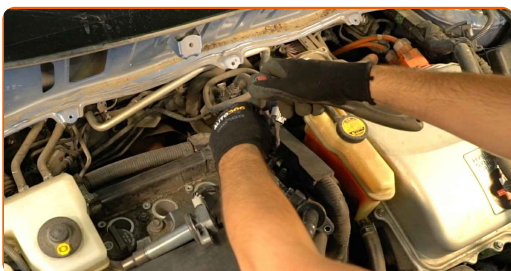
Replacement: spark plugs – TOYOTA Alphard (\_H1\_). AUTODOC recommends:

- Remember the sequence of steps for ignition coil demounting.

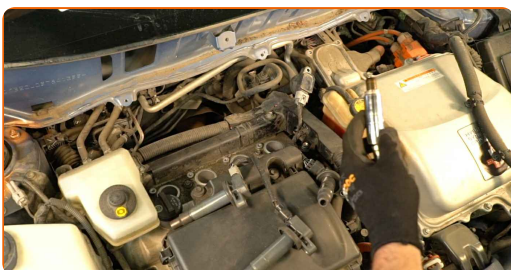
**14** Clean dirt, dust and debris from inside the spark plug wells.



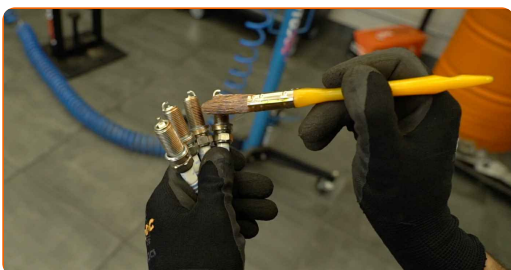
**15** Unscrew the spark plugs. Use the spark plug socket #16. Use a ratchet wrench.



**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 (\_H1\_). 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.

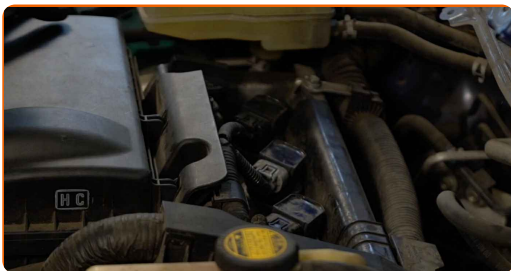
20

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





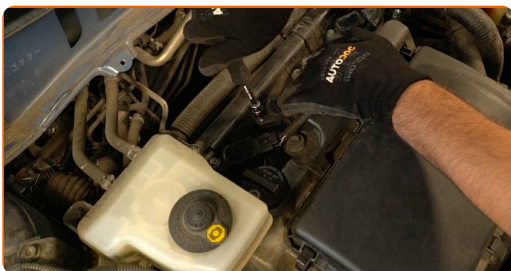
**21** Install the ignition coils to the spark plug wells. Make sure you hear a click indicating that it is locked in place.



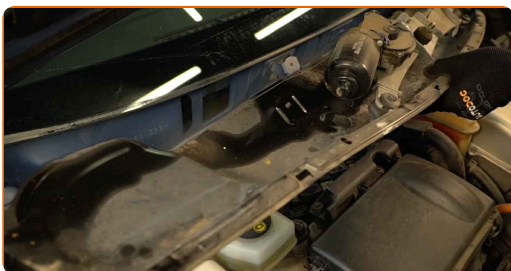
**AUTODOC recommends:**

- Replacement: spark plugs – TOYOTA Alphard (\_H1\_). 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 (\_H1\_). 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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