

L625-
A.06.16

To: Official After Sales Network
Subject: Soft top latch update
Pages: 21

June 14, 2016



Campaign code.

L625-A.06.16

Campaign description.

Soft top latch update

Model.

Huracan Spyder.

Model year.

2016;2017

Special or Limited Versions.

All.

Markets.

All.

VIN identification

From GLA01563 to HLA05566

Warning: some vehicles included in this VIN range may not be involved, so check carefully on the Lamborghini WEB Portal (at the section named VIN Info) if the cars in your workshop or in your dealer stock are involved before performing any other operation.

Information to the field

As a result of continuous product monitoring, Automobili Lamborghini Spa has found that on some vehicles the soft top latch might not operate preventing the top from closing or opening.

Field solution

The instruction herein detailed describes **two** operations:

- upgrade of the soft top latch and software for vehicles whose **VIN is included between GLA01563 and GLA05203**
- soft top software update for those cars whose Vin is greater than **GLA05203**

Spare parts.

Order the following kit for the cars whose **VIN is included between GLA01563 and GLA05203**

P/N	Description	Q
4T7898096	Kit for Soft top latch: <ul style="list-style-type: none">- left lever (1);- right lever (1)- cap Screws (2)- lever mounting screws (2)- washers (2)	1

Replaced parts management (when applicable).

Store properly and tagged the parts replaced with bar code form for their identification during Area Manager visits.

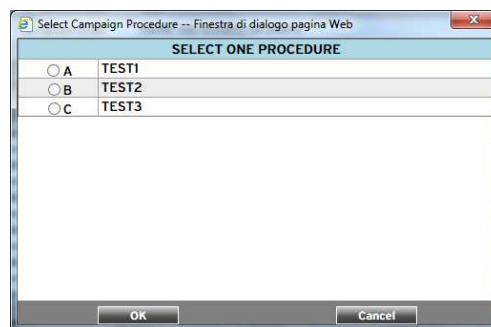
Labour time

- Update of soft top latch and software **0,9 h**
- Latch update : **0,4 hour** (when VIN is greater than **GLA05203**)

Warranty Claim instructions

To claim the reimbursement log into the warranty system management on the Lamborghini Portal and consults the manual "W.Claim " available on the portal for the download .

Select the desired campaign and go on with the claim insertion, read carefully the windows message content and choose the option button corresponding to the operation performed .



On the base of the chosen option the reimbursement will be:

- OPTION B, soft top latch and sw update
manpower: *0,9 hours*
spare parts: *none*,
- OPTION C: soft top software update
manpower: *0,4 hours*;
spare parts:.



ATTENTION!

Attach all documents produced during the vehicle visit that show evidence of the work performed such as repair order, software protocols or acquisitions...etc.; the lack of one or more of those, may deny the reimbursement.

Remember to fill all the data in the section "Service and Recall Campaign" in the Warranty booklet of the vehicle as shown below.

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Automobili Lamborghini S.p.A.
Campagne service assistenza e campagne di richiamo / Service and Recall Campaign
Service et campagne de rappel / Campaña de Servicio y Llamada a Taller

Servizio Clienti Numero Cliente Indirizzo Cliente Città Cliente	Servizio Clienti Numero Cliente Indirizzo Cliente Città Cliente	Servizio Clienti Numero Cliente Indirizzo Cliente Città Cliente	Servizio Clienti Numero Cliente Indirizzo Cliente Città Cliente
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Necessary tools/material.

P/N	Description	Q

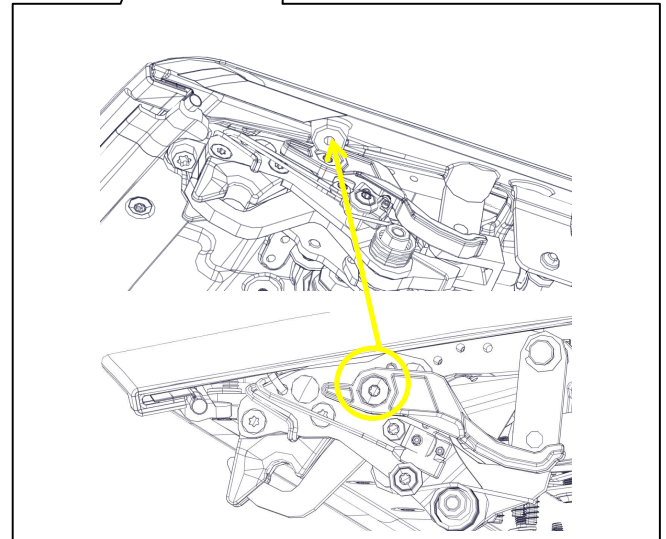
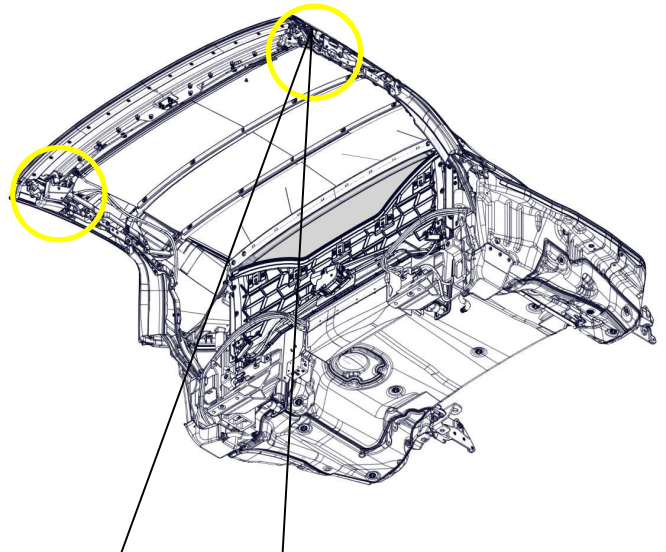
A. Rework of soft top latch



Attention!

For the vehicles whose VIN is greater than GLA05203 skip at page nr 10, section B.

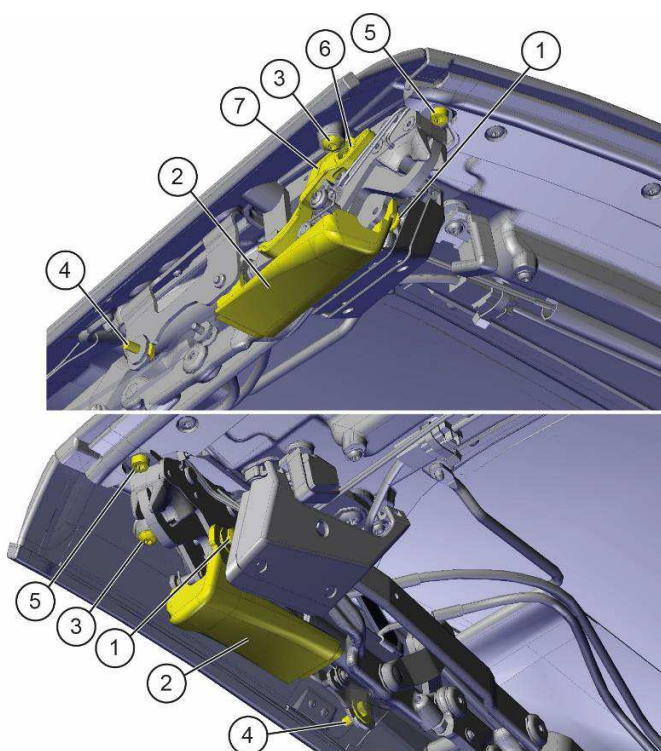
1. Area where you will be working.





Involved components:

1. front latch cover locking screw;
2. latch cover;
3. front seal mounting screw;
4. rear seal mounting screw;
5. front latch mounting screw (replace during re-assembly) and 2 washers;
6. lever mounting screw (replace during re-assembly).



Update instruction

2. Act on the open/close soft top button to block any movement as indicated in the figure.



3. Carry out the procedure to release the pressure in the soft top circuit:
 - Press the START-STOP button to switch on the instrument cluster
 - Press the START-STOP button to switch off the instrument cluster
 - Press the open/close soft top button downwards to release the pressure in the circuit and free the soft top movement.





4. Place the soft top in a position where it is comfortable to work on.



Warning: Danger of crushing!

block the soft top because when the pressure in the circuit has been released, it can move freely.



5. Extract the edge of the soft top.



6. Remove the front latch cover locking screw. To access this area, shift the side guard inwards.



Screw tightening;
torque: 2 Nm



7. Lower the latch cover to free the area you are working on.





8. Remove the front seal mounting screw.



Screw tightening;
torque: 4 Nm



9. Remove the rear seal mounting screw.



Note.
If you find a shim, reposition it during re-assembly.



Screw tightening;
torque: 4 Nm



10. Shift the seal outwards.



11. Remove the front latch mounting screw and the 2 washers.

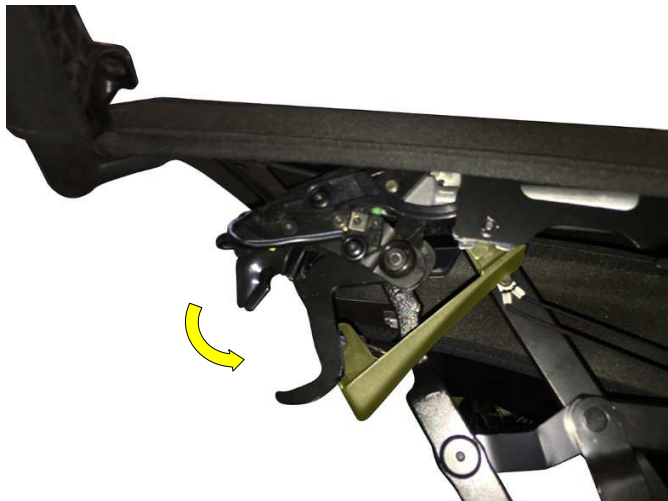


Screw tightening;
torque: 8Nm





12. Lower the complete latch assembly.



13. Remove the lever mounting screw and remove the lever.



Screw tightening;
torque: 2,8 Nm



14. Clean the area indicated in the figure using a cloth dampened with degreaser to remove any excess paint..



Important

Do not spray the degreaser directly on the surface to clean. It could damage the switch or create unsightly areas.



15. Take the shim (included in the kit) and assemble on the lever.



16. Position the lever with the shim and install using the new screw (replace the screw with the new screw included in the kit) but do not tighten.





17. Make sure the lever moves up and down freely without any friction on the switch.



Note.

Before checking the play, make sure the lever does not touch any parts of the soft top. If this is the case, slightly rotate the latch assembly until it reaches a position where it can move freely.



18. Tighten the screw to secure the lever.



Screw tightening;
torque **2,8 Nm**



19. After positioning the 2 washers, secure the latch with the screw (replace the old screw with the new one in the kit).



Screw tightening;
torque: **8 Nm**



20. Position the seal, inserting the tab under the front edge.





21. Install the front seal screw, but do not tighten.



Screw tightening;
torque: 4 Nm



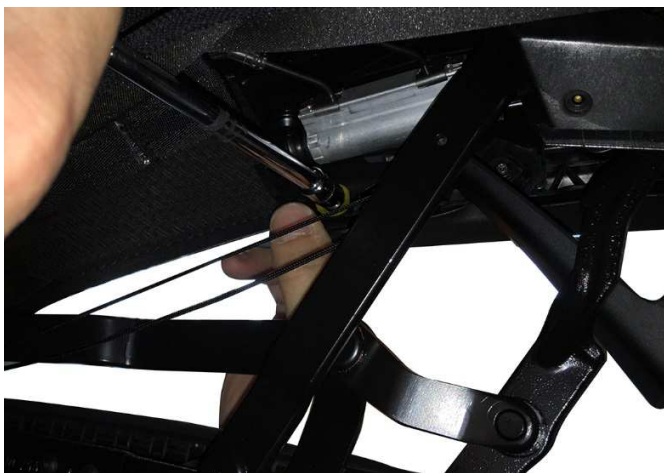
22. Install the rear seal screw, but do not tighten.



Note.
If a shim was present during disassembly, use the shim during re-assembly.



Screw tightening;
torque: 4Nm



23. Close the soft top and make sure the 2 seals lock together properly. The seals must be perfectly aligned and there must not be any gaps in between.

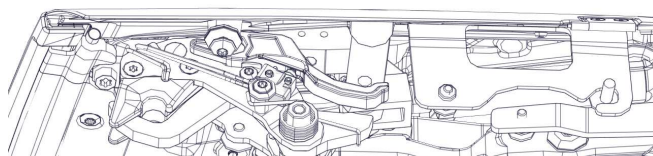


If the seals are not aligned as regards height:

- loosen the rear screw (4);
- adjust the seal until it is aligned correctly;
- install the screw but do not tighten;
- re-close the soft top and check the alignment.



NO



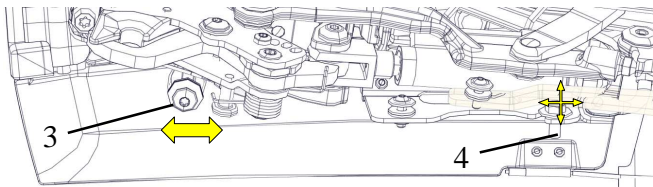


If the 2 seals are not correctly aligned with each other:

- loosen both the screws on the seal (front (3) and rear (4));
- adjust the seal until it is aligned correctly;
- install the screws but do not tighten;
- re-close the soft top and re-check.



NO



Once the correct alignment has been achieved, tighten both screws.

24. Tighten the screw to secure the cover.



25. Reposition the soft top edge using the clips.



26. Perform this operation on the other side.

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B. Soft top software upgrade



The instructions contained in this bulletin are based on ODIS Service diagnosis software updated to release 3.0.3 (or following) and Lamborghini database 2.5.3 (see BI.07.15)

Preliminary operations:

27. Make sure to be synchronized with Mirrorserver checking the “Last Sync” date:

<http://mirrorserver/maintenance/diagnosis.py>

or:

http://IP_address/maintenance/diagnosis.py

if you did not set up the mirrorserver IP alias.



IMPORTANT

Make sure the latest synchronization was done after May 28th, 2016.

MS/2 Diagnosis

Configuration	
Base path	/var/www/desert
Provider URL	https://altair.mirrorserver2.net/deployment
Repository URL	https://altair.mirrorserver2.net/storage
Feedback URL	https://altair.mirrorserver2.net/health
Proxy	10.48.187.43
Key file	/var/www/desert/certs/userkey.pem
Certificate	/var/www/desert/certs/usercert.pem
Tests	
Local file/directory permissions	OK
Disk space	OK
Provider reachable	OK (altair.mirrorserver2.net)
Repository reachable	OK (altair.mirrorserver2.net)
Feedback reachable	OK (altair.mirrorserver2.net)
Provider WebDAV access	OK (https://altair.mirrorserver2.net/deployment)
Repository WebDAV access	OK (https://altair.mirrorserver2.net/storage)
Feedback WebDAV access	OK (https://altair.mirrorserver2.net/health)
Successful package downloads	8
Failed package downloads	0
Last Sync	16/05/29 19:01:03
<input type="button" value="Start tests"/>	

Click “Start tests” to verify the “Last Sync” date.

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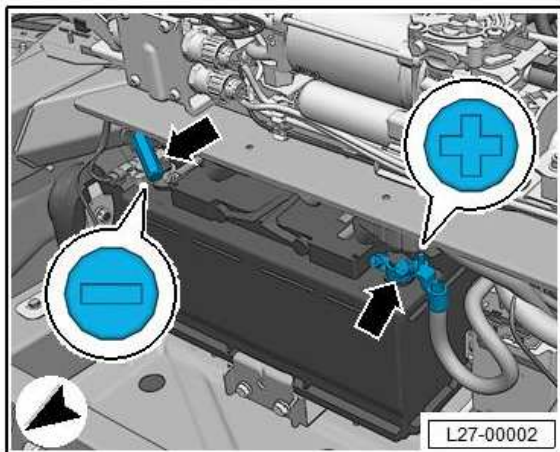
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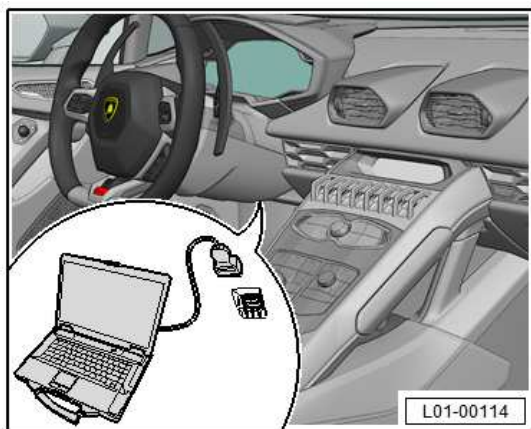
Update procedure:

28. Please connect a battery charger to the recharge points available in the front luggage compartment, as shown in the picture.

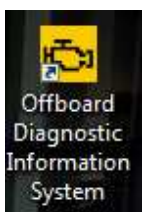


29. Please connect the VAS5054 interface to the vehicle OBD plug and to the diagnostic laptop.

Turn the ignition ON.

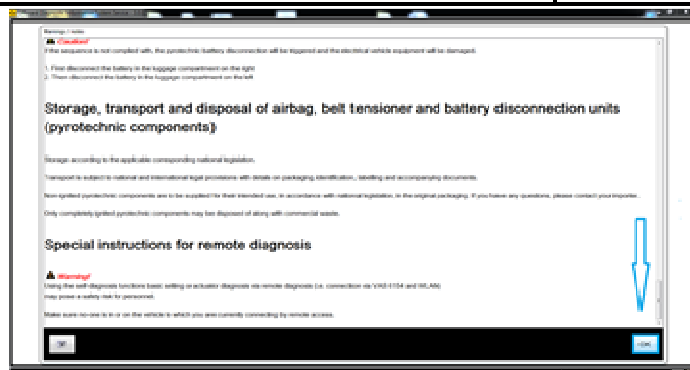


30. Start ODIS service double-clicking the related icon on your diagnosis laptop desktop.



31. Scroll down the vertical bar on the right.

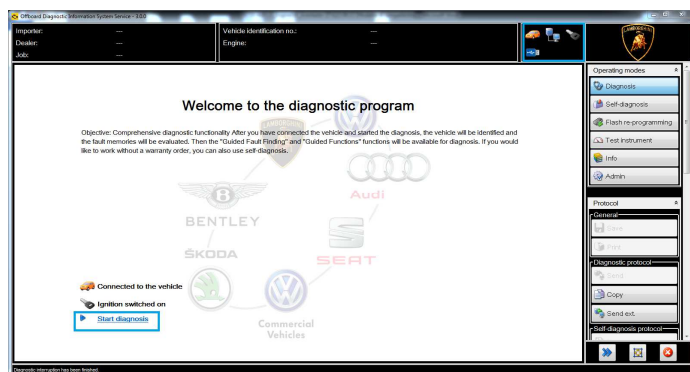
Click "OK" to hide the general information window.



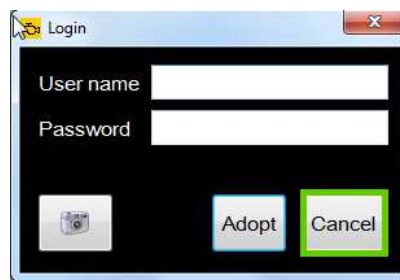
32. Click "Start diagnosis".



Make sure that ODIS can detect the vehicle connection and the key status.



33. Click "Cancel" for any group systems login request.



34. Verify the vehicle identification in the "Basic vehicle characteristics" window.

Insert Spyder variant and Engine, if not already present, choosing from the drop-down menus.

Leave the checkbox "Using guided fault finding" selected.

Click "Adopt".

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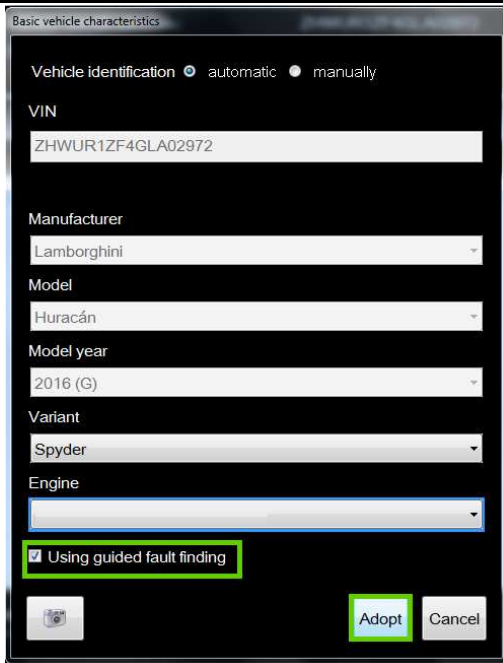
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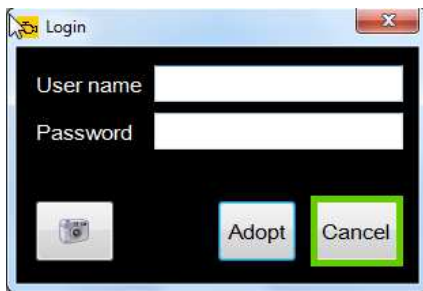
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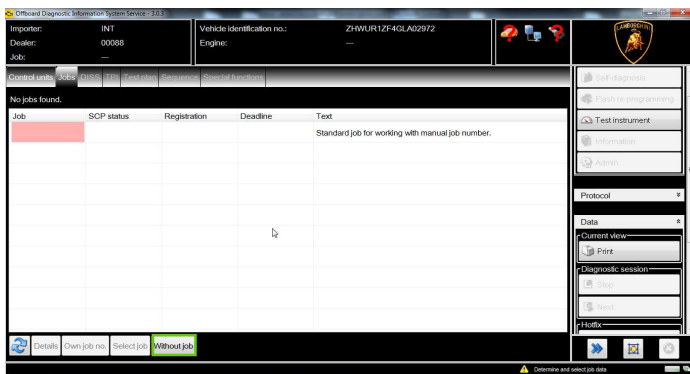
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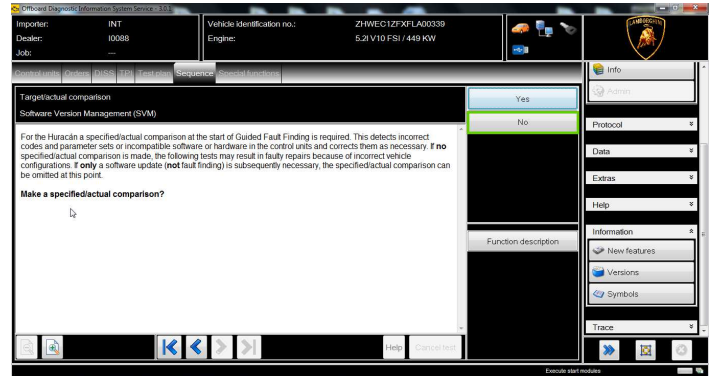
35. Skip the login window clicking “Cancel”.



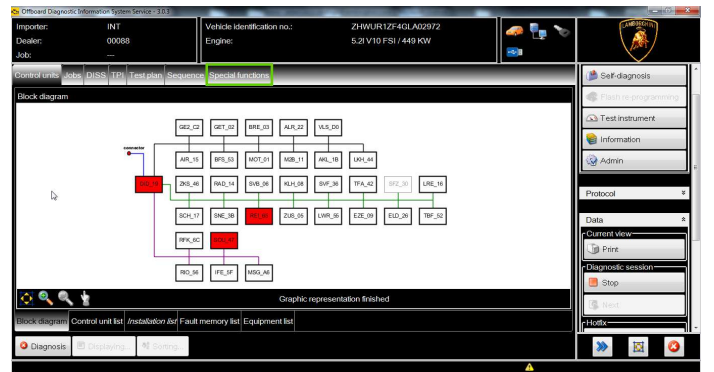
36. In the following window, click “Without job”.



37. Answer “No” to the “actual comparison” request.

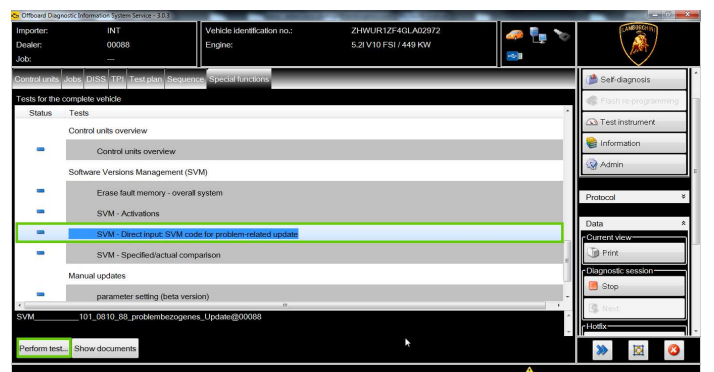


38. At the end of initial operations (see bottom-right status bar), select “Special functions”.



39. Select “SVM – Direct input: SVM code for problem related update” clicking the related row.

Click “Perform test...” to execute the SVM function.



40. Insert the code **L625A0616** in the upper box.

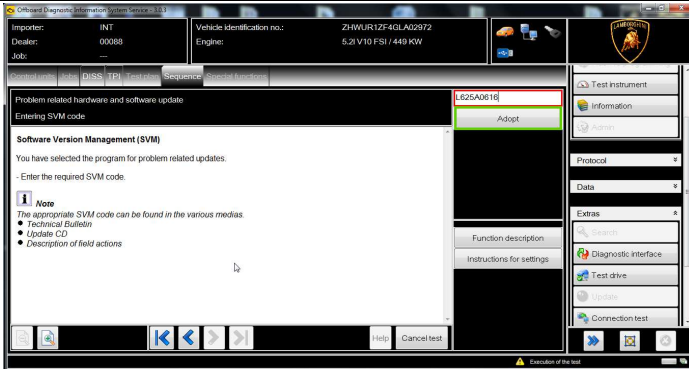
Click “Adopt”.

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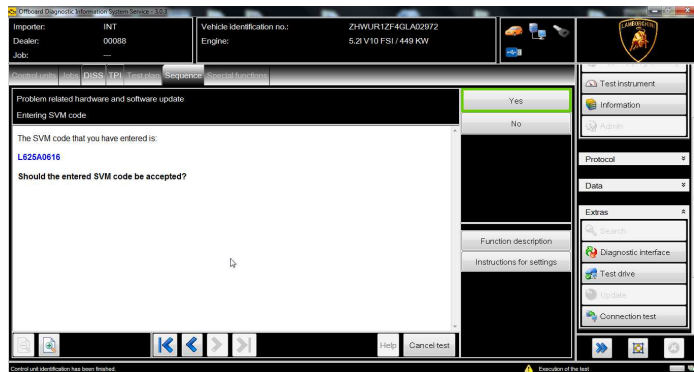
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41. Click “Yes” to confirm that the inserted code is correct.

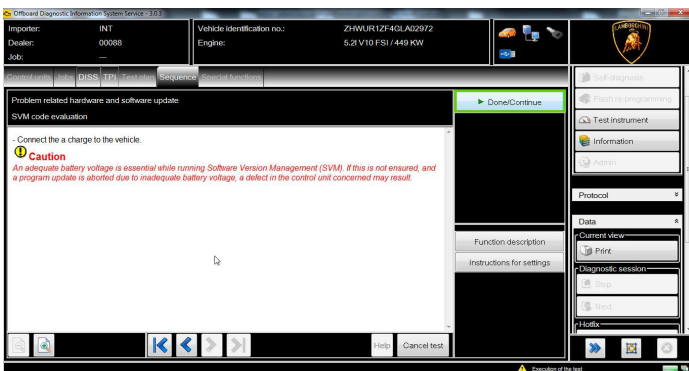


42. Click “Done/Continue” to start the data acquisition from all ECUs.

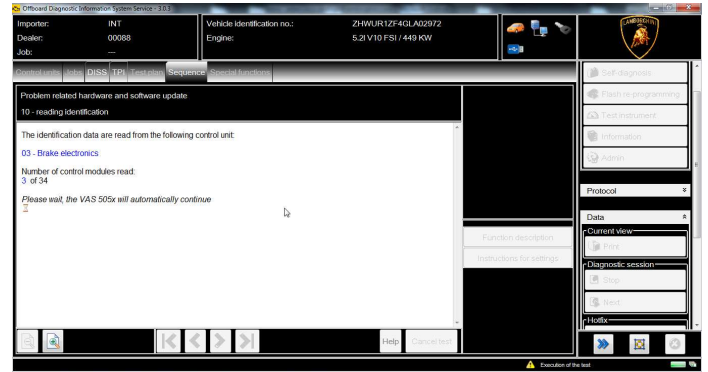


IMPORTANT

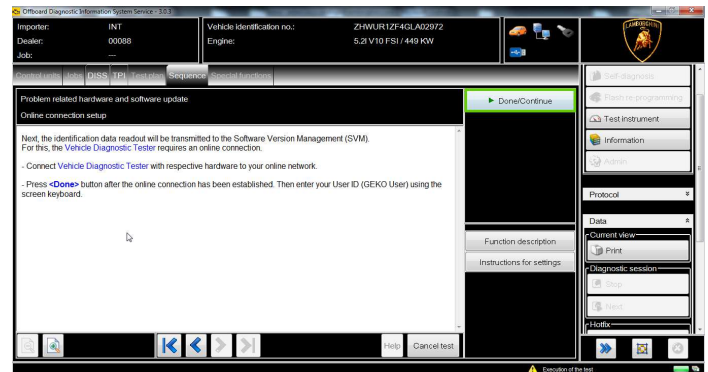
During the SVM operation a battery charger must be connected.



43. Wait until the data acquisition from all ECUs is completed.



44. Click “Done/Continue”



45. For the online authentication a valid GeKo account is necessary.

Be sure that the internet connection is correctly established.

Insert your GeKo user name in the field “User name” and the pin 1324 + current 6 digit code displayed on your GeKo token in the field “Password”.

Then confirm clicking “Adopt”.



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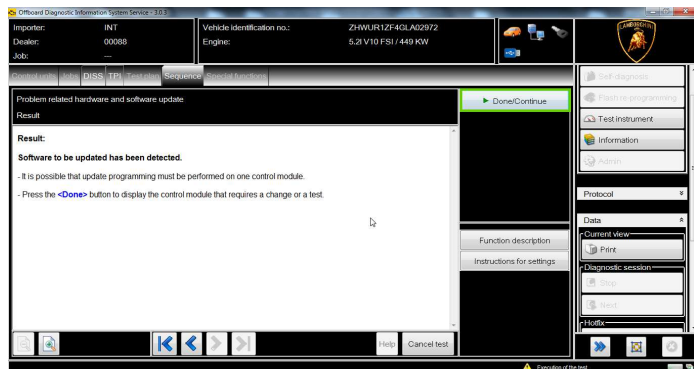


46. The communication is then established with the central server.

The following message is displayed:

“software to be updated has been detected (on one control unit).”

Click “Done/Continue”.

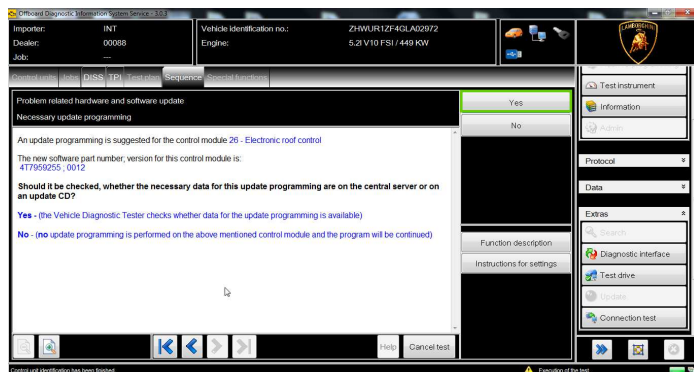


47. Soft top system software update.

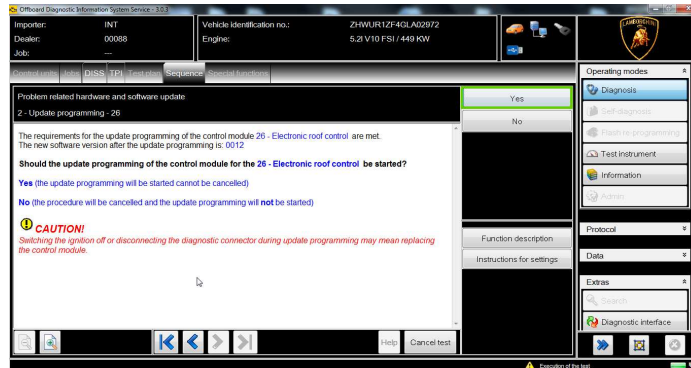
The figure below refers to the software version and the part number of the soft top control unit of the vehicle used as example.

Those data may change depending on the car.

Click “Yes” to check the availability of the software on the Mirrorserver.



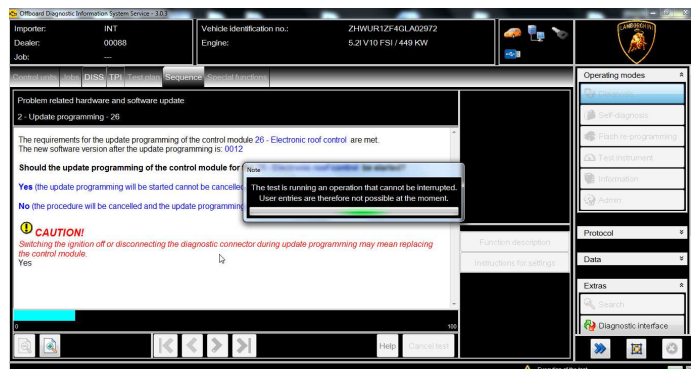
48. Verify the new soft top system software and click “Yes” to start the update.



IMPORTANT

Do not disconnect the hardware interface from OBD plug and do not switch ignition OFF during the software update!

49. Wait until the update programming of the soft top system ECU is completed.



50. Once the update programming has been completed successfully a message is displayed.

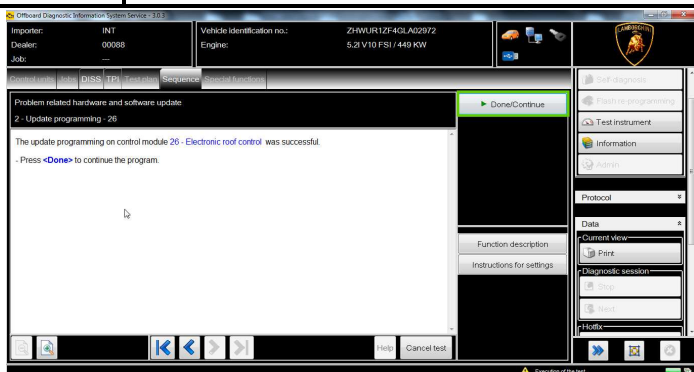
- Click “Done/Continue”.

If the update programming has not been completed or has been unsuccessful:

- Turn the ignition OFF;
- Wait at least one minute and turn the ignition ON again;
- Click “Repeat” to restart the update procedure if it is directly requested by the program; otherwise repeat the procedure from step 38.

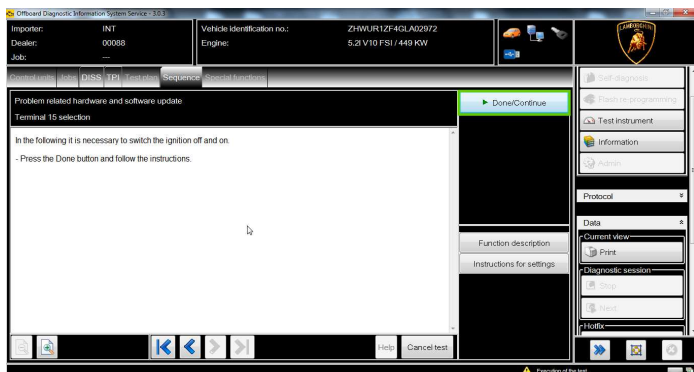
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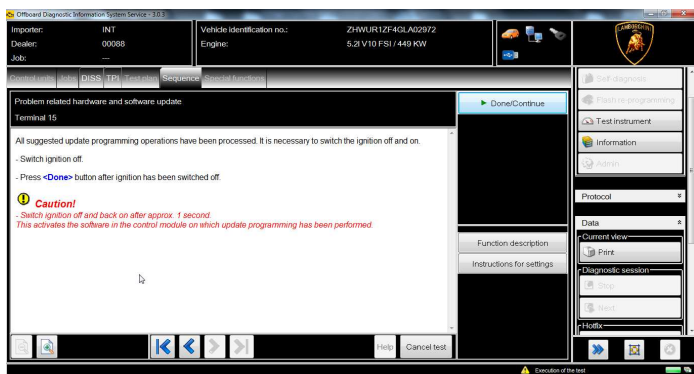
51. An ignition OFF-ON cycle is necessary to restart the ECU.

Click "Done/Continue".



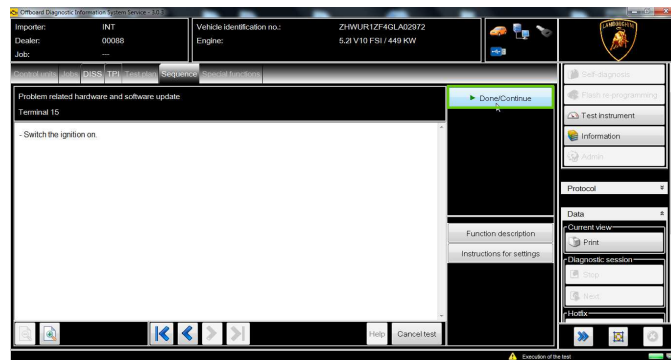
52. Switch the ignition OFF.

Click "Done/Continue".

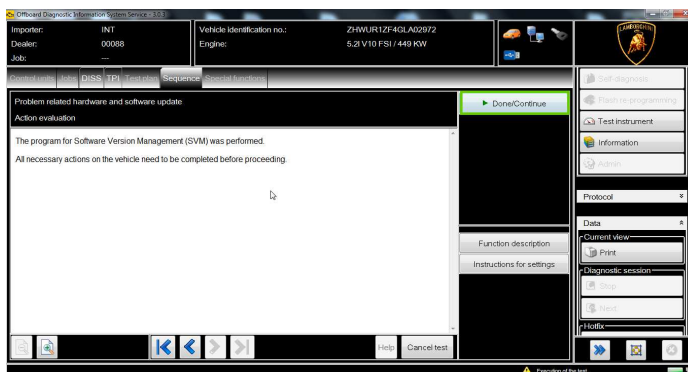


53. Switch the ignition ON.

Click "Done/Continue".

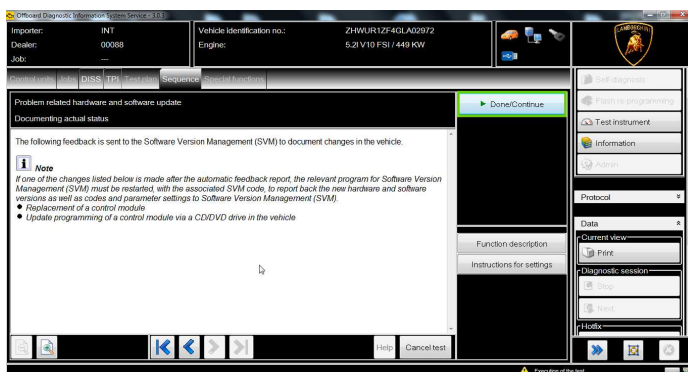


54. Click "Done/Continue" to complete the SVM.



55. SVM can be completed after data acquisition from all ECUs.

Click "Done/Continue".



56. Wait until the data acquisition from all the control modules is complete.

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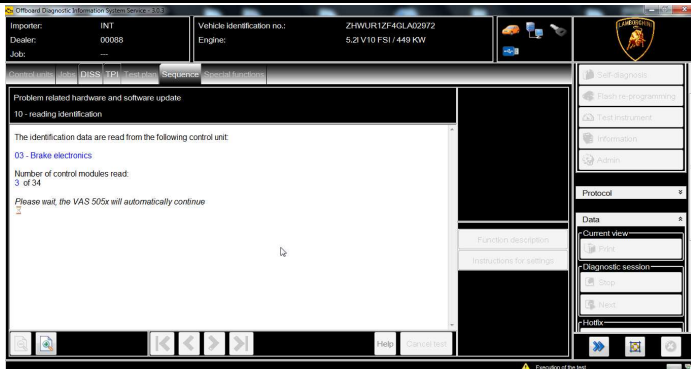
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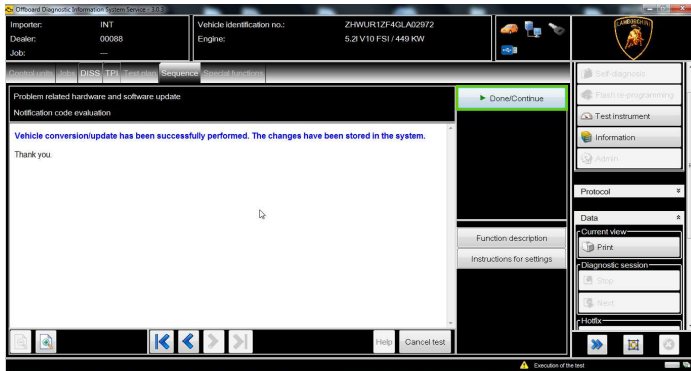
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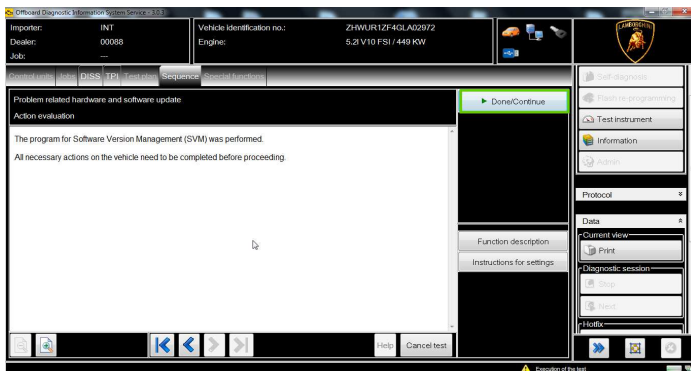
57. Once the data report has been sent a feedback is displayed as shown in the picture below.

The software update of soft top ECU has been completed successfully and all data have been stored in the system.

Click “Done/Continue”.

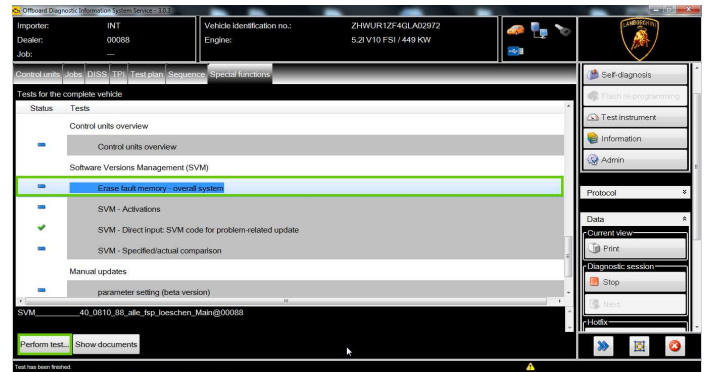


58. Click “Done/Continue”.

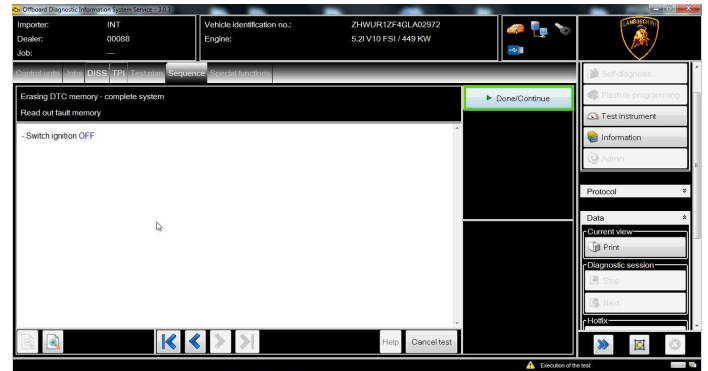


59. Select again the “Special functions” tab and click “Erase fault memory – overall system”: this is necessary to delete all errors created during the software update procedure.

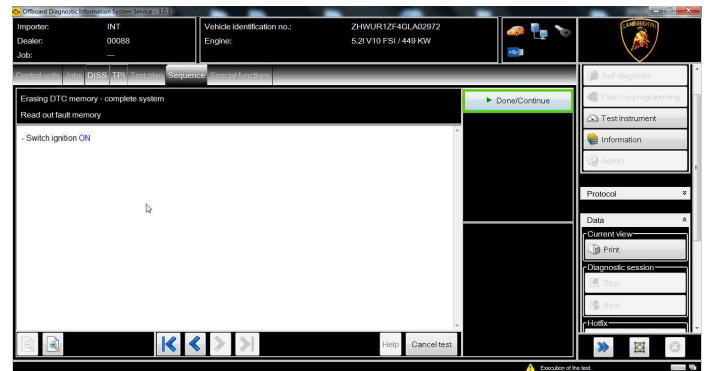
Click “Perform test...”.



60. Switch the ignition OFF and click “Done/Continue”.



61. Switch the ignition ON and click “Done/Continue”.



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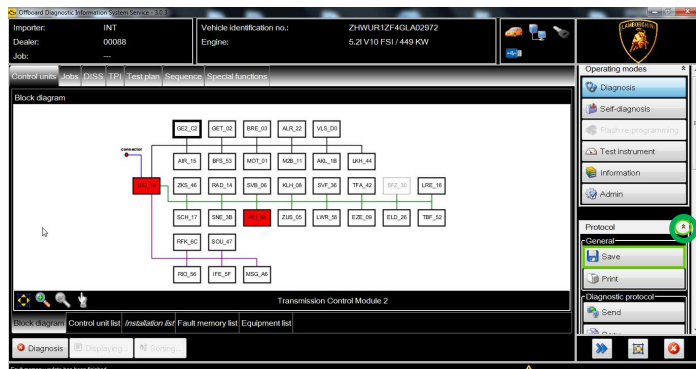
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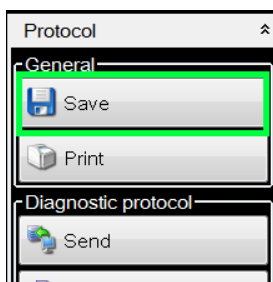


Diagnosis protocol saving procedure:

62. Expand the "Protocol" right-hand menu.



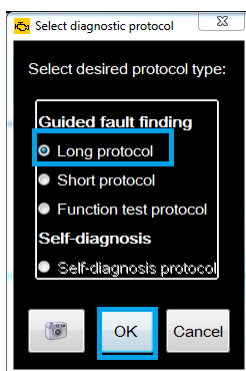
63. Click "Save" in the "General" group.



64. In the dialogue box select:

- Long protocol

Then click "OK".



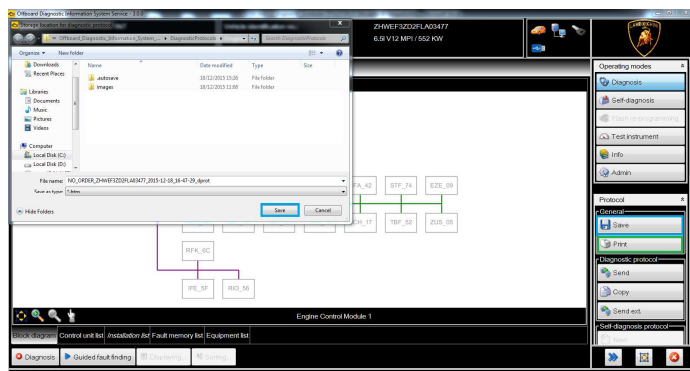
65. Select the path on your laptop where you want to save the diagnosis protocol. (default path is set under ODIS Service installation folder and can be changed in Admin menu)

Diagnosis protocol format is internet ".htm".

Click "Save".



Click "Print" in the "Diagnostic Protocol" menu to print the protocol directly on a .pdf file (if Adobe pdf is available) or in paper format sending it to a printer.



66. The diagnosis protocol has to be attached to the related Warranty Claim

(in order to insert the claim on the Web Portal, please refer to Warranty Claim Manual you can find under the Portal, Warranty section).

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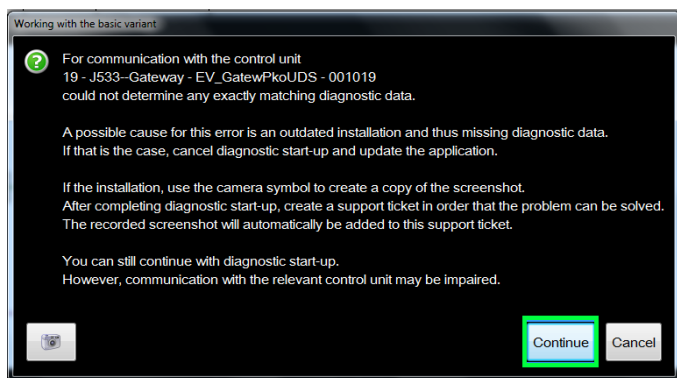
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Trouble shooting

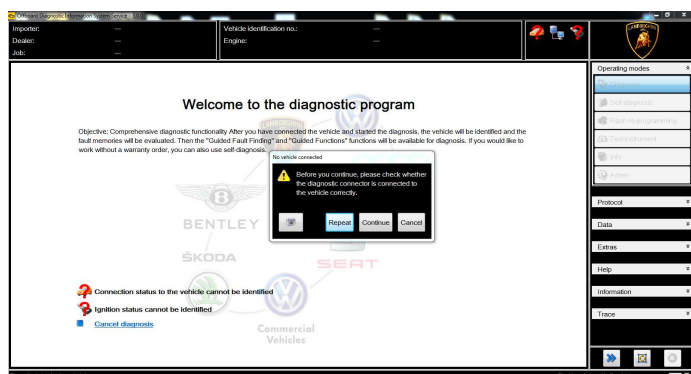
A. If the following dialogue box appears during ECUs identification:

Click “Continue”



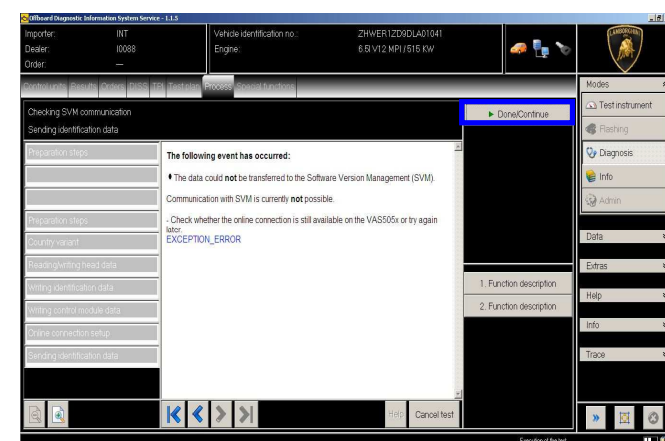
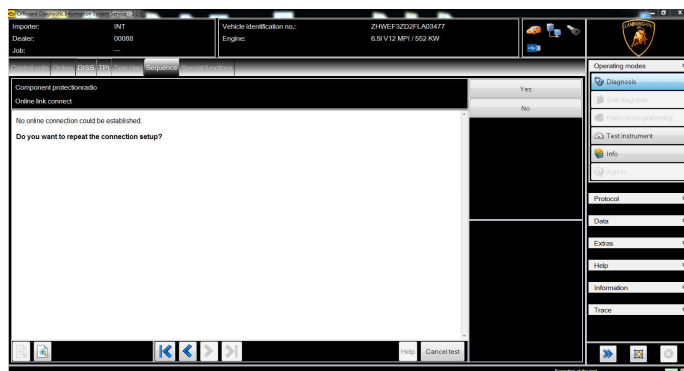
B. If the error message regarding the VAS5054 interface and the two icons for “on board connection” and “key status” are displayed as in the picture below:

- Click “Cancel”;
- Repeat the VAS5054 HW interface installation following the procedure (*) “VCI Manager v2.0”, by entering in the menu “Extras” on the right side and clicking “Diagnostic interface”.



C. If one of the connection error screens is shown as in the pictures below:

- it is not possible to establish a connection with the central server. Please check carefully that the diagnosis laptop is properly connected to the internet network and retry clicking “Yes” or “Done/Continue”.



D. If the loss of connection happens during the target/actual comparison during SVM procedure:

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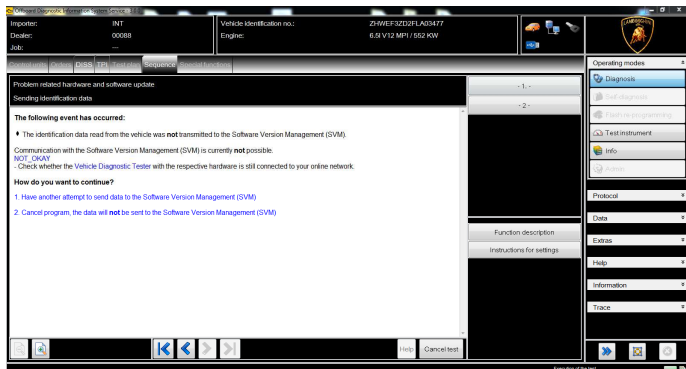
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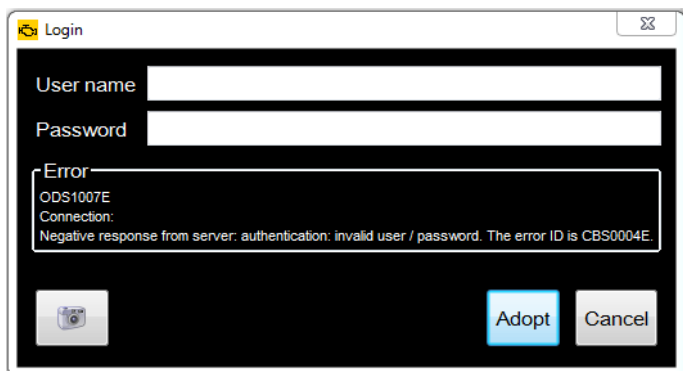


- It is not possible to connect to central server, check the working connection of internet and retry clicking “1”.



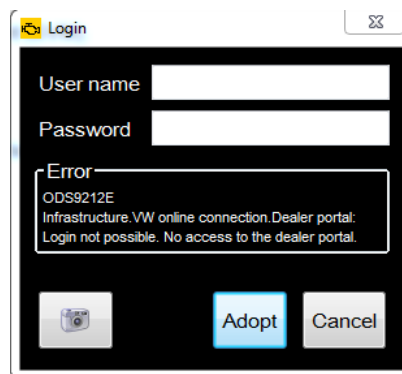
- E. If the incorrect identification message is shown as in the picture below (error code: ODS1007E):

- be sure that your Geko account is valid;
- be sure that the label “Geko” is written on the token that you are using for the authentication;
- be sure the Password inserted is correct;
- click “Cancel” and perform the application test (see document “ODIS_Checking_ConnectionServer_SVM_2.0” (*)).



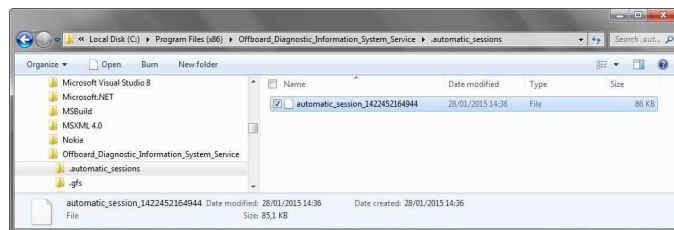
- F. If the infrastructure error message is shown as in the picture below (error code: ODS9212E):

- make sure that your Geko account is valid
- check that the label “Geko” is written on the token that you are using for the authentication
- verify in ODIS settings you have “Internet” instead of “CPN” (see document “ODIS_Initial_Setup_2.0” (*))
- click on Cancel and perform the application test (see document “ODIS_Checking_ConnectionServer_SVM_2.0” (*))



- G. If the same error is present during the application test, try the following procedure:

- quit ODIS;
- Enter the folder C:\Program Files (x86)\Offboard_Diagnostic_Information_System_Service\automatic_sessions on your diagnosis laptop;



- delete the only file present in that folder.
- re-Start ODIS Service under following conditions:
 1. Network connection available;
 2. ODIS connection set on “Internet”;
- Retry the application test and the SVM with your GeKO Token.

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IMPORTANT REMARK

In the case an error is still present, repeat the procedure with a second GeKO token, if available.

H. In the case the flash container is not detected (see figure):

- Make sure to be recently synchronized with Mirrorserver by checking the last date of Sync

<http://mirrorserver/maintenance/diagnosis.py>

or

http://IP_address/maintenance/diagnosis.py

- if you don't have previously defined the "mirrorserver" IP address alias.
- Make sure to be correctly connected with Mirrorserver.

MS/2 Diagnosis

Configuration	
Base path	/var/www/desert
Provider URL	https://altair.mirrorserver2.net/deployment
Repository URL	https://altair.mirrorserver2.net/storage
Feedback URL	https://altair.mirrorserver2.net/health
Proxy	10.48.187.43
Key file	/var/www/desert/certs/userkey.pem
Certificate	/var/www/desert/certs/usercert.pem
Tests	
Local file/directory permissions	OK
Disk space	OK
Provider reachable	OK (altair.mirrorserver2.net)
Repository reachable	OK (altair.mirrorserver2.net)
Feedback reachable	OK (altair.mirrorserver2.net)
Provider WebDAV access	OK (https://altair.mirrorserver2.net/deployment)
Repository WebDAV access	OK (https://altair.mirrorserver2.net/storage)
Feedback WebDAV access	OK (https://altair.mirrorserver2.net/health)
Successful package downloads	8
Failed package downloads	0
Last Sync	16/05/29 19:01:03
<input type="button" value="Start tests"/>	

Click "Start tests" and verify "Last Sync" date.



NOTE:

(*ODIS technical documentation can be retrieved on the Lamborghini web portal, under ODIS section.



IMPORTANT REMARK:

The documents to be mandatory attached to the claim are:

Job order done;

Diagnosis Protocol saved.


Failure to follow the procedures may lead to the rejection of the request.

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