

L73X-
A.02.16

To: Official After Sales Network
Subject: Engine SW update
Date: January 15, 2016
Pages: 22



Subject.
Engine SW update

Model.
Aventador Coupè and Roadster;

Model year.
2013;2014.

Special or Limited Versions.
All;

Markets.
All.

VIN Identification.
Here below listed the last VIN digits.

510 - 1473	1478-1709	1717-1977	1988-2259	2262-2504	2505-2744
..00510	..01478	..01717	..01988	..02262	..02505
..00541	..01479	..01737	..01994	..02266	..02507
..00712	..01485	..01741	..01998	..02272	..02508
..00804	..01497	..01743	..02012	..02275	..02518
..00832	..01501	..01753	..02032	..02277	..02530
..00852	..01521	..01754	..02035	..02278	..02549;
..00869;	..01534;	..01758;	..02045;	..02285;	..02558;
..00914;	..01538;	..01765;	..02046;	..02286;	..02559;
..01011;	..01539;	..01775;	..02048;	..02294;	..02561;
..01021;	..01546;	..01779;	..02054;	..02300;	..02570;
..01041;	..01548;	..01785;	..02058;	..02301;	..02575;
..01258;	..01550;	..01787;	..02060;	..02309;	..02576;
..01302;	..01570;	..01805;	..02064;	..02325;	..02594;
..01316;	..01575;	..01807;	..02069;	..02326;	..02611;
..01320;	..01576;	..01809;	..02082;	..02327;	..02626;
..01322;	..01577;	..01812;	..02090;	..02330;	..02632;
..01332;	..01588;	..01835;	..02094;	..02335;	..02639;
..01342;	..01596;	..01840;	..02105;	..02347;	..02640;
..01352;	..01598;	..01845;	..02109;	..02355;	..02641;
..01361;	..01601;	..01847;	..02116;	..02375;	..02643;
..01366;	..01607;	..01848;	..02121;	..02378;	..02650;
..01379;	..01609;	..01854;	..02135;	..02380;	..02676;
..01387;	..01614;	..01863;	..02159;	..02381;	..02678;
..01390;	..01617;	..01869;	..02160;	..02383;	..02688;
..01395;	..01620;	..01870;	..02162;	..02386;	..02692;
..01400;	..01621;	..01872;	..02183;	..02390;	..02705;
..01409;	..01624;	..01879;	..02184;	..02411;	..02711;
..01410;	..01629;	..01884;	..02200;	..02412;	..02728;
..01411;	..01631;	..01890;	..02206;	..02414;	..02731;
..01422;	..01646;	..01891;	..02220;	..02416;	..02737;
..01428;	..01651;	..01908;	..02221;	..02443;	..02741;
..01430;	..01665;	..01913;	..02222;	..02454;	..02744;
..01443;	..01676;	..01921;	..02225;	..02463;	
..01454;	..01679;	..01929;	..02226;	..02464;	
..01461;	..01688;	..01937;	..02229;	..02473;	
..01462;	..01689;	..01939;	..02243;	..02476;	
..01465;	..01696;	..01942;	..02247;	..02486;	

510 - 1473	1478-1709	1717-1977	1988-2259	2262-2504	2505-2744
..01468;	..01700;	..01946;	..02252;	..02492;	
..01469;	..01706;	..01962;	..02253;	..02498;	
..01473;	..01709;	..01977;	..02259;	..02504;	

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 released a new software. to prevent a false MIL from being displayed on dashboard when engine is warm and idling as consequence of the VVT exhaust that does not return to the desired position.

Field solution.

Update the car following the herein reported instructions.

Spare parts.

After software update **Start & Stop management** will be changed so **replace** owner's manual **P/N [1]**, and Quick guide **P/N [2]** on the basis of model, model year and version.

1. Aventador Coupè Model year 2013

P/N. [1]	P/N. [2]	Language or Country	Q
476012003CE	476012040T	China	1+1
476012003AM	476012040Q	USA	1+1
476012003BA	476012040AC	English	1+1
476012003AT	476012040AB	German	1+1
476012003BE	476012040AG	Arabian	1+1
476012003BB	476012040AD	French	1+1
476012003BD	476012040AF	Japanese	1+1
476012003AN	476012040R	Canada	1+1
476012003BG	476012040AJ	Taiwan	1+1
476012003AR	476012040AA	Italian	1+1
476012714AC	476012714GA	Rumanian	1+1
476012003AK	476012040N	Portuguese	1+1
476012003AP	476012040S	Korean	1+1
476012003BC	476012040AE	Spanish	1+1
476012003BH	476012040AK	Russian	1+1

2. Aventador Roadster Model year 2013

Cod. [1]	Cod. [2]	Language or Country	Q
475012003F	475012040F	English	1+1
475012003	475012040	USA	1+1
475012003AL	475012040C	China	1+1
475012003E	475012040E	German	1+1
475012003K	475012040K	Arabian	1+1

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3. Aventador Coupè Model year 2014

P/N. [1]	P/N. [2]	Language or Country	Q
476012723AA	476012040AM	USA	1+1
476012774AA	476012040AQ	China	1+1
476012720AA	476012040AT	English	1+1
476012778AA	476012040BD	Arabian	1+1
476012750AA	476012040AR	Italian	1+1
476012701AA	476012040AS	German	1+1
476012770AA	476012040BC	Japanese	1+1
476012756AA	476012040AP	Korean	1+1
476012773AA	476012040BE	Taiwan	1+1
476012775AA	476012040BF	Russian	1+1
476012760AA	476012040BB	Spanish	1+1
476012742AA	476012040AN	Canada	1+1
476012766AA	476012040BG	Portuguese	1+1
476012740AA	476012040BA	French	1+1

4. Aventador Roadster Model year 2014

P/N. [1]	P/N. [2]	Language or Country	Q
475012760AA	475012040AE	Spanish	1+1
475012778AA	475012040AG	Arabian	1+1
475012720AA	475012040AC	English	1+1
475012740AA	475012040AD	French	1+1
475012701AA	475012040AB	German	1+1
475012766AA	475012040AK	Portuguese	1+1
475012775AA	475012040AJ	Russian	1+1
475012773AA	475012040AH	Taiwan	1+1
475012770AA	475012040AF	Japanese	1+1
475012750AA	475012040AA	Italian	1+1
475012723AA	475012040Q	USA	1+1
475012756AA	475012040S	Korean	1+1
475012742AA	475012040R	Canadian	1+1
475012774AA	475012040T	Chinese	1+1

5. Aventador Coupè Model year 2014 50° Anni- versario.

P/N. [1]	P/N. [2]	Language or Country	Q
476012720AB	476012040AT	English	1+1
476012778AB	476012040BD	Arabian	1+1
476012701AB	476012040AS	German	1+1
476012770AB	476012040BC	Japanese	1+1
476012723AB	476012040AM	USA	1+1
476012750AB	476012040AR	Italian	1+1
476012775AB	476012040BF	Russian	1+1
476012756AB	476012040AP	Korean	1+1
476012760AB	476012040BB	Spanish	1+1
476012740AB	476012040BA	French	1+1

6. Aventador Roadster Model year 2014 50° Anni- versario.

P/N. [1]	P/N. [2]	Language or Country	Q
475012723AB	475012040Q	USA	1+1

475012720AB	475012040AC	English	1+1
475012778AB	475012040AG	Arabian	1+1
475012774AB	475012040T	Chinese	1+1
475012701AB	475012040AB	German	1+1
475012770AB	475012040AF	Japanese	1+1
475012766AB	475012040AK	Portuguese	1+1
475012760AB	475012040AE	Spain	1+1

Replaced parts management.

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

Bulletins substitution.

The current bulletin substitutes the one previously published under the code **L83X-A.04.14: Driveability enhancement.**

Warranty Claim data.

The warranty reimbursement request for this rework action will be managed by the following standard Warranty Claim procedures.

Campaign Code: L73X-A.02.16
Campaign Des.: Engine SW update
Cost code: 50
Component code: CCA0216
Trouble code: 220
Labor code: CCA0216100
Labor Time: 2,5 h

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

Necessary tools/material.

P/N	Description	Q
n/a	n/a	-

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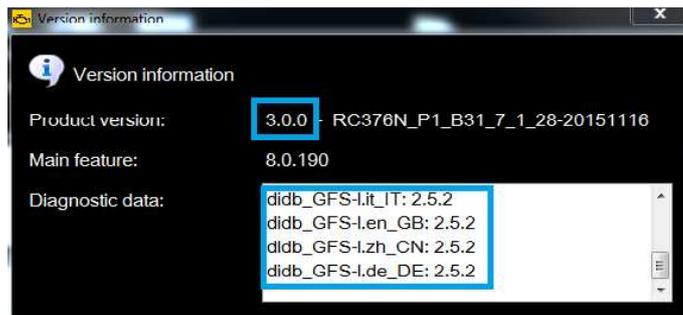
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Work instructions



The instructions contained in this bulletin are based on ODIS Service diagnosis software updated to release 3.0.0 (or following) and database Lamborghini 2.5.2 (please refer to BI.07.15)



Preliminary operations:

1. Make sure to be recently synchronized with Mirrorserver by checking the Last Sync date under:

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

or under:

http://IP_address/maintenance/diagnosis.py

if you didn't yet set up the mirror-server IP alias



IMPORTANT

Make sure the last synchronization has been done after the 18th of December 2015.

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	9
Failed package downloads	0
Last Sync	15/12/17 22:09:13
<input type="button" value="Start tests"/>	



IMPORTANT

If instrument cluster ECU has to be updated, it is necessary to take note of distance and days to next service, shown in the instrument cluster menu.

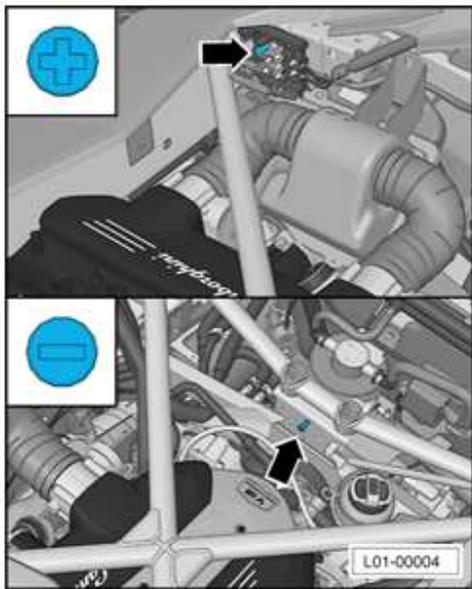
(e.g 3400 km and 200 days)





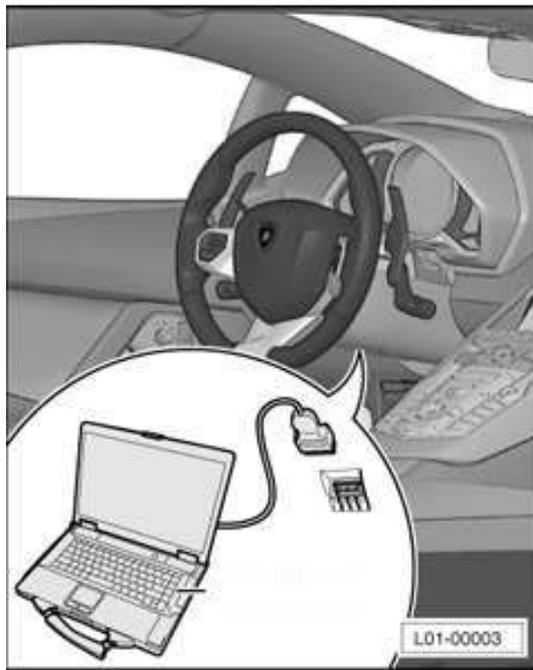
Updating Procedure:

2. Please connect a battery charger to the recharge points available in the engine bonnet, as shown in picture.

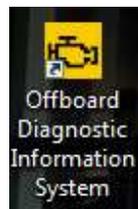


3. Please connect the VAS5054 interface to the vehicle's OBD plug and to the diagnostic laptop.

Turn the ignition ON

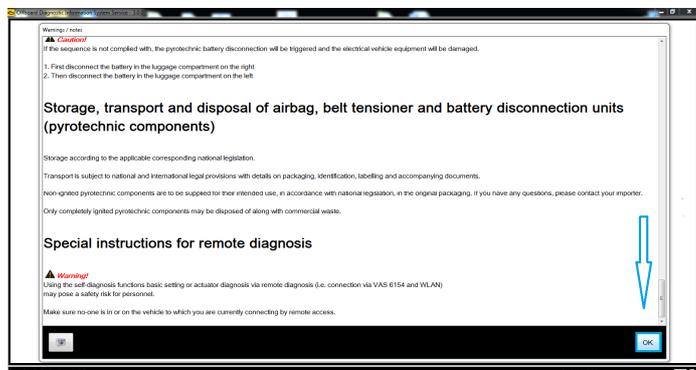


4. Start the ODIS Service double clicking on the related icon on the desktop of the diagnosis laptop.





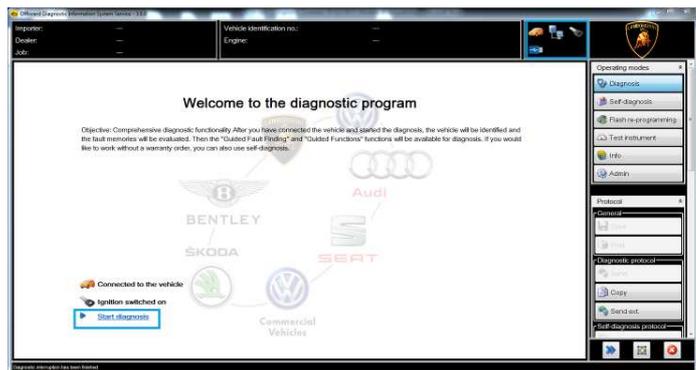
5. Scroll down the right side vertical bar. Click “OK” to hide the general information window.



6. Select “Start diagnosis”.



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



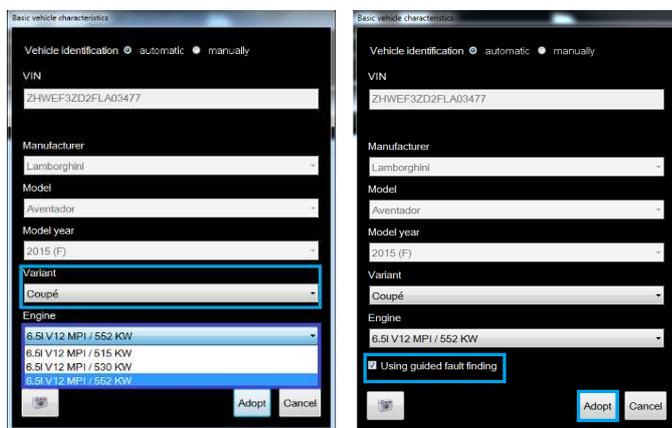
7. Check the vehicle identification on the window “Basic vehicle characteristics”.

Select the Variant (Coupe’ or Roadster) in the related menu.

Then select the Engine type (515 – 530 or 552 kW) in the related menu.

Leave the checkbox “Using guided fault finding” marked.

Click “Adopt”



8. Skip the login window by clicking “Cancel”.

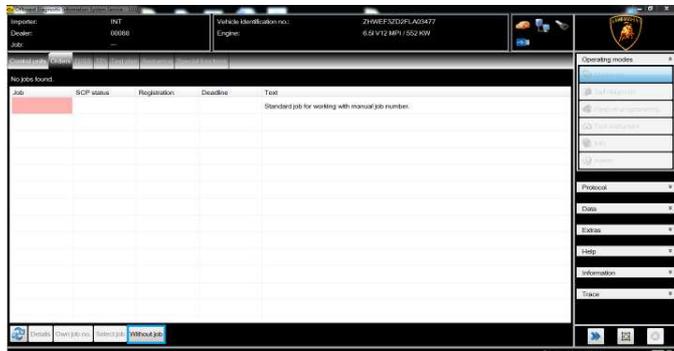


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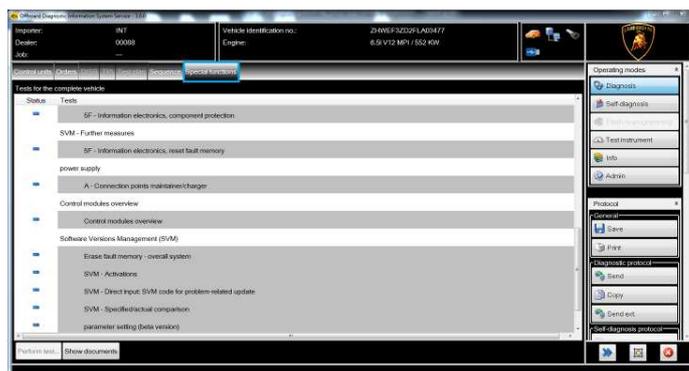
9. Click “Without job” in the next window, which will appear automatically.



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

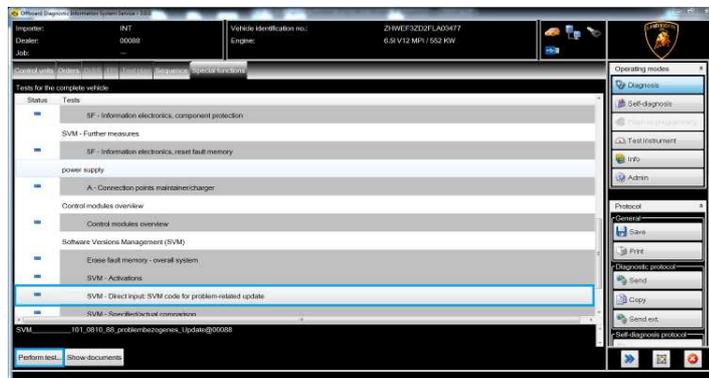


11. At the end of the start-up procedure (see status in the status bar bottom right) move on the ODIS tab “special functions”, at this point available.



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

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



13. Insert in the upper box with the cursor the code: L73XA0216

Click “Adopt”.



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

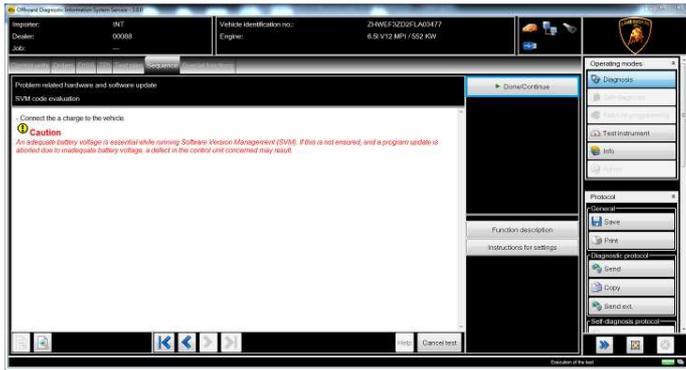


15. Click “Done/Continue” to start the data acquisition from vehicle ECUs.

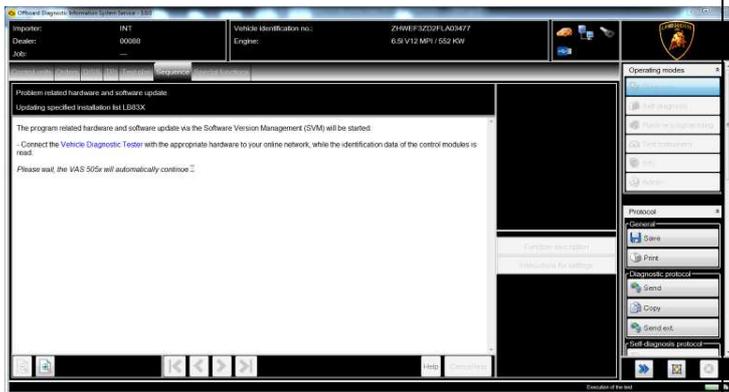


IMPORTANT

Keep always a battery charger connected during the SVM function.



16. Wait until the data acquisition from all control modules is completed.



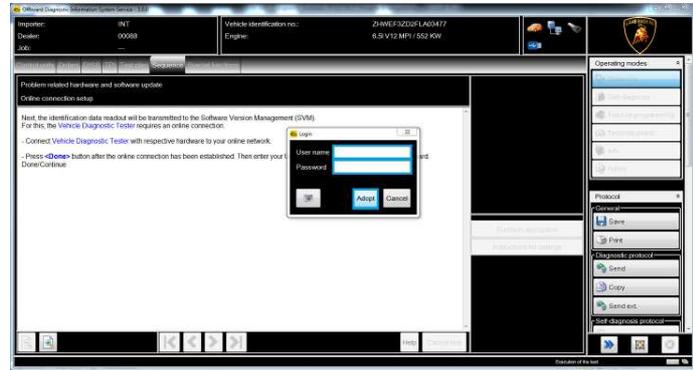
17. For the online authentication a valid GeKo account is necessary.

Be sure that your internet connection is working properly.

Click on “Done/Continue” to access the Login window.

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”.

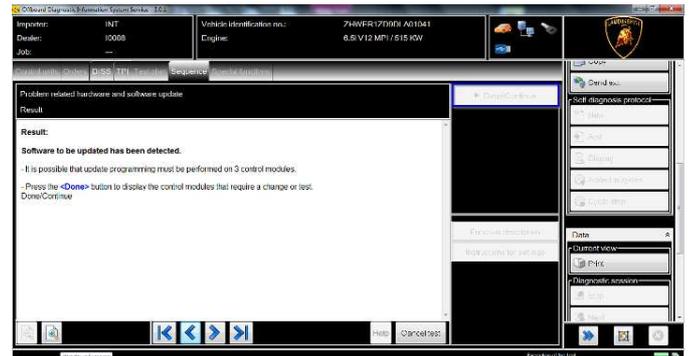


18. The communication is then established with the central server.

If you have not updated gearbox and instrument cluster softwares yet, at the end of communication you will receive the following feedback:

“Softwares to be updated have been detected (on **three** control units).”

Click “Done/Continue”.



19. Click “Done/Continue”.



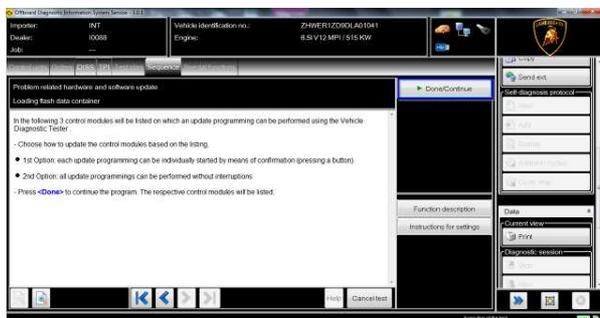


20. All data to be updated on the ECU have to be determined.

Click “Done/Continue”.



21. Click “Done/Continue”.



22. At this point all softwares to be updated will be shown.

Click “Done/Continue” for every screen.



IMPORTANT

Aventador MY 13 was used in order to provide example pictures. Software versions refer to it and might vary with another vehicle.

In the picture below, software 1303 for ECU 01-Engine electronics is represented as an example.

Possible other updates are:

SW for 02 - gearbox electronics (e.g. 0937)

SW for 17 - instrument cluster (e.g. 0062)

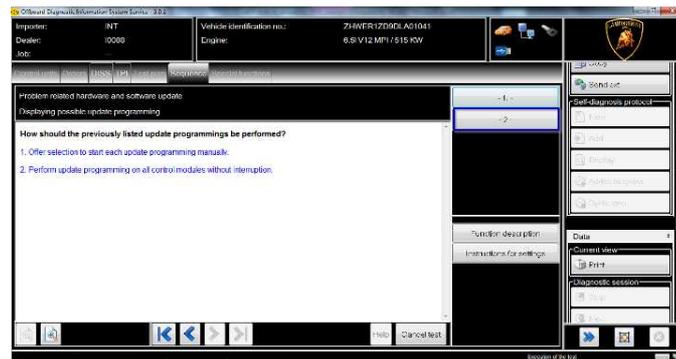


23. Click “2” to confirm the update of all ECUs without interruption.



IMPORTANT

Once an update starts it is not possible to interrupt it. Please make sure that the battery is in charge and do not remove the diagnosis interface until the end of the operation.



24. Click “Done/Continue” to start ECUs update





25. Wait until the update of the engine ECU is completed.



26. At the end of the update a feedback is shown.

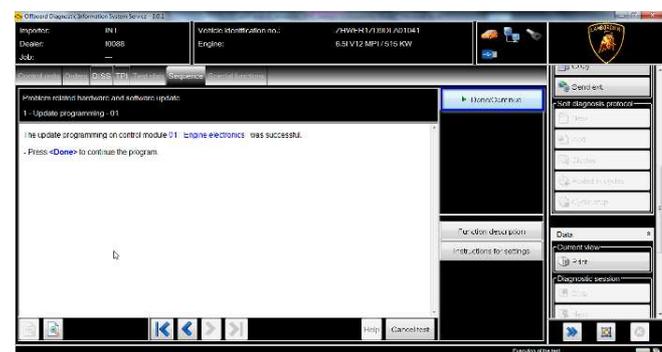
Click “Done/Continue” to start the next ECUs update.

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

Turn the ignition OFF;

Wait one minute before turning the ignition ON again;

click “Repeat” if asked by the program to retry to update, otherwise repeat the procedure from point 11.



27. Wait until the update of the gearbox ECU is completed.



28. At the end of the update a feedback is shown.

Click “Done/Continue” to start the next ECUs update.

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

Turn the ignition OFF;

Wait one minute before turning the ignition ON again;

click “Repeat” if asked by the program to retry to update, otherwise repeat the procedure from point 11.



29. Wait until the update of the instrument cluster ECU is completed.



30. At the end of the update a feedback is shown.

Click “Done/Continue” to start the next ECUs update.

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

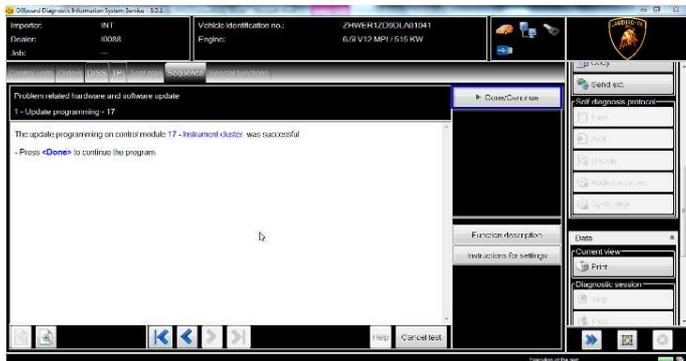
Turn the ignition OFF;

Wait one minute before turning the ignition ON again;

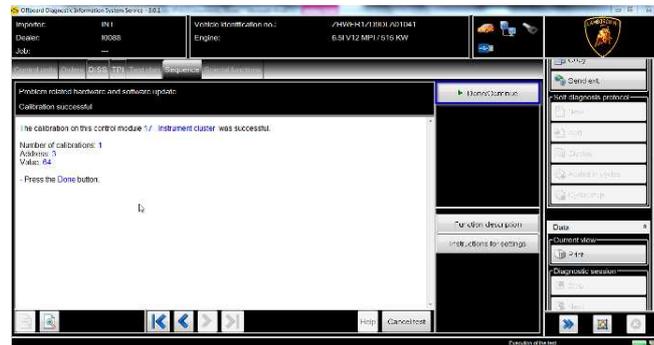
click “Repeat” if asked by the program to retry to update, otherwise repeat the procedure from point 11.

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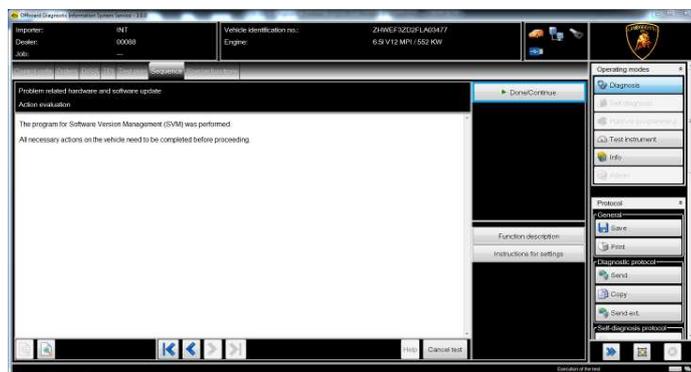
31. After completing all updates some calibrations might be necessary.



34. Click “Done/Continue” to perform the last update operations required by the SVM.



32. Click “Done/Continue”



35. It is necessary to complete the SVM procedure acquiring data from all ECUs.

Click “Done/Continue”.



33. Click “Done/Continue” for each calibration to be completed. There might be more than 50 calibrations to confirm.

In the picture below “calibration 1” is shown:



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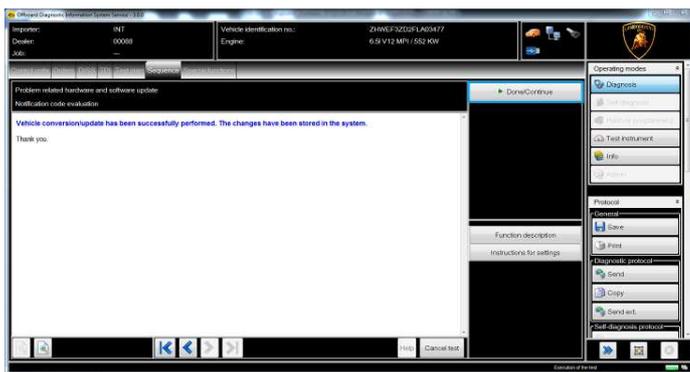
36. Wait until the data acquisition is complete.



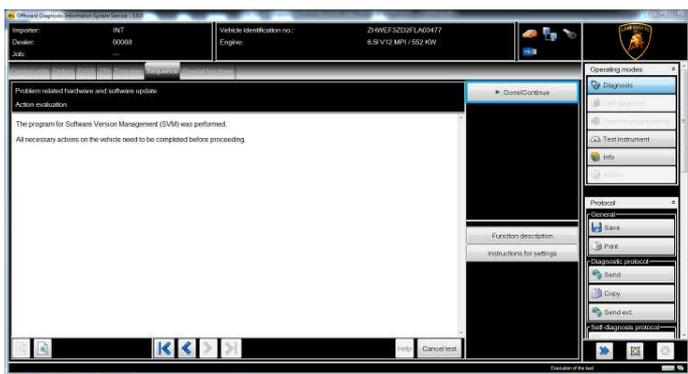
37. Once the data report has been sent to the server a feedback is displayed as in the picture below.

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

Press "Done/Continue" to exit the program.

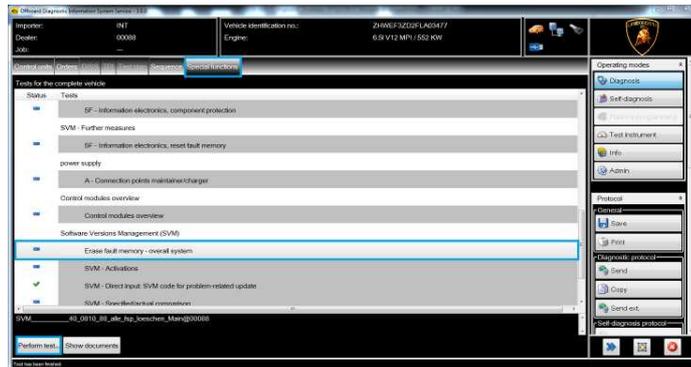


38. Click "Done/Continue" again.



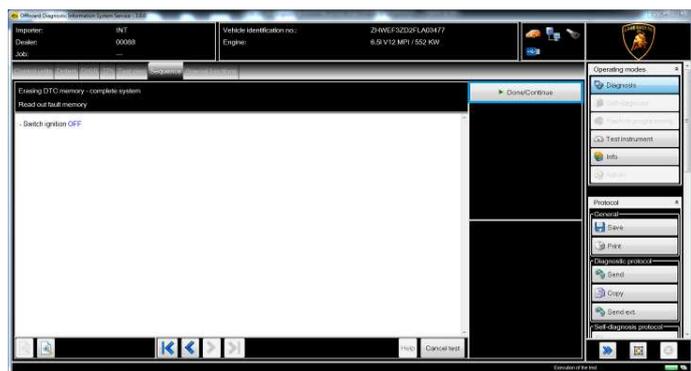
39. Go back to the tab "Special functions" and select "Erase fault memory – overall system" to clear all the faults stored because of the recent software update.

Execute "Erase fault memory – overall system" clicking "Perform test...".



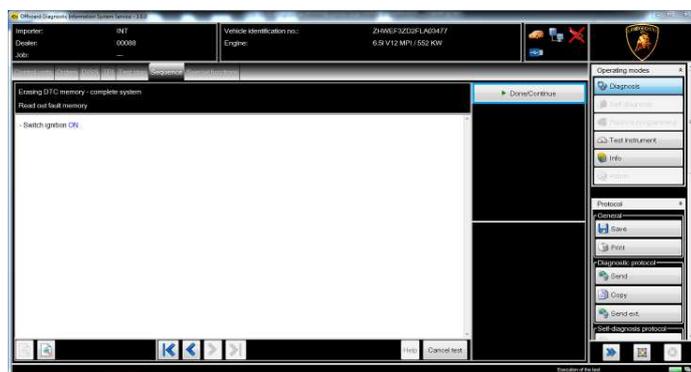
40. Switch ignition OFF.

Click "Done/Continue".



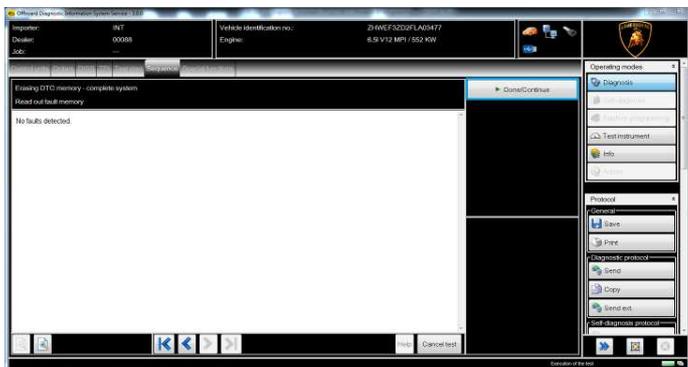
41. Switch ignition ON.

Click "Done/Continue".

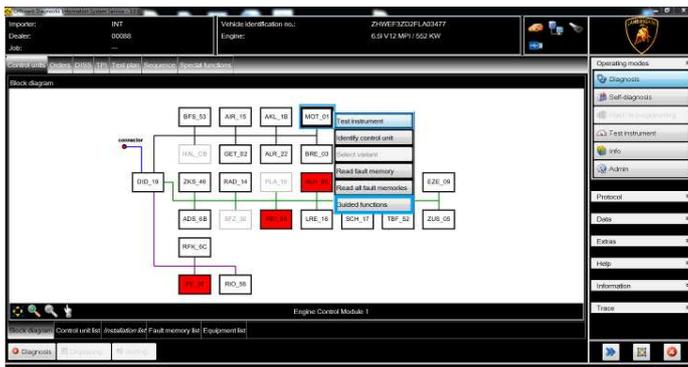




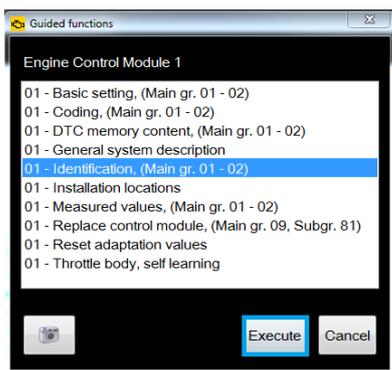
42. Click “Done/Continue”.



43. To verify that the update ended successfully select ECU “MOT_01 – Engine Control Module 1” and right click it to open the menu and choose “Guided Functions”.



44. Select “Identification, (Main gr. 01-02)” and click “Execute”.



45. Verify that the SW version installed.

(e.g. SW N° 1303 for Aventador MY 13).

Click “Done/Continue”.



46. The same operation can be done for the other ECUs: “GET_02 – Transmission control module” → “guided functions” → “Identification”

(e.g. SW N° 0937 for Aventador MY 13).

“SCH_17 – Dash board” → “guided functions” → “Identification”

(e.g. SW N° 0062 for Aventador MY 13).



/* Adaptation After Software Updates */



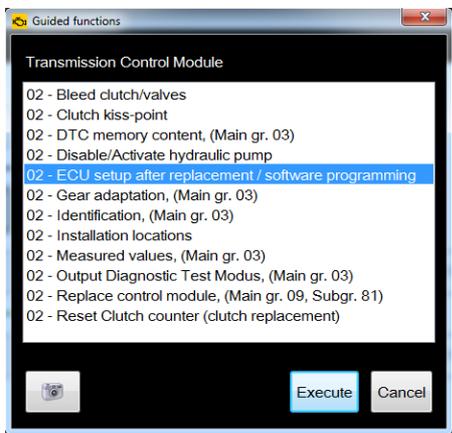
IMPORTANT

Adaptation is frequently necessary at the end of a control unit software update and following fault memories removal.

47. Go to Control Unit tab to select the gearbox ECU GET_02 guided function:

“02 – ECU setup after replacement / software programming”

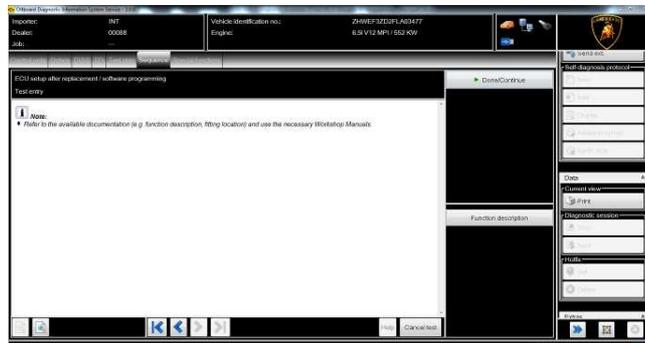
Click “Execute”.



48. Click “Done/Continue”.



49. Click “Done/Continue”.



50. Click “NO”



51. Click “Done/Continue”.





52. Read the conditions to perform the test and click “Done/Continue” .

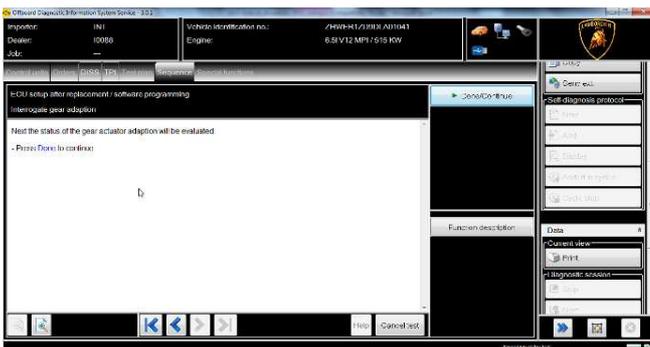


53. Click “YES” to start the basic setting.

You can check on the instrument cluster the gear shifting.



54. Click “Done/Continue” to evaluate the gear actuator adaption.



55. Click “Done/Continue”.



56. Click “Done/Continue” to perform the clutch kiss point test.

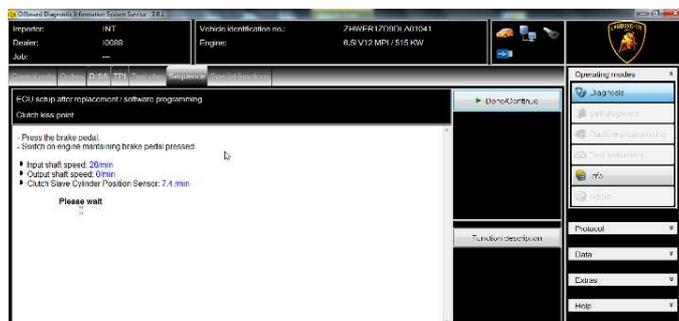


57. Press the brake pedal and start the engine.

Keep the brake pedal pressed until the end of the basic setting. (approx. one minute).

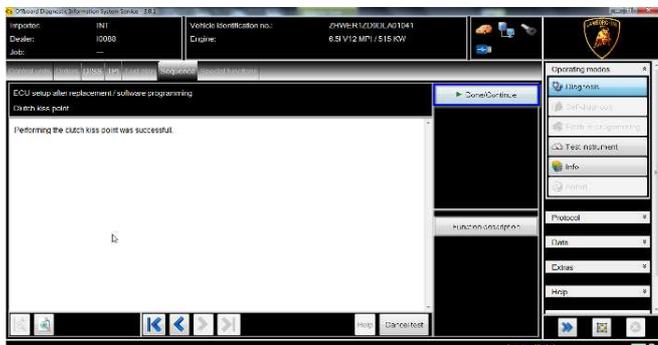
If you cannot turn the engine ON:

- Turn the key off;
- Disconnect the diagnosis interface;
- Wait at least one minute before turning the key on again;
- Connect the diagnosis interface again and start back from point 47.





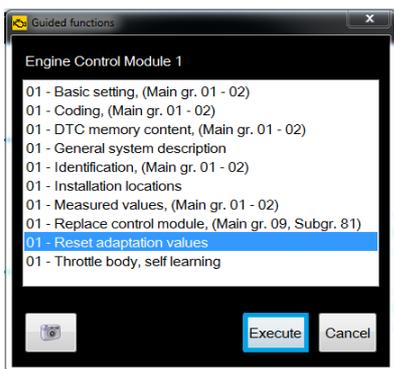
58. Click “Done/Continue” to end the test.



59. Go back to the Control Unit tab to select the Engine ECU MOT_01 guided function:

01 – Reset adaptation values.

Click “Execute” to start the procedure to reset adaptation values (Basic Setting 254).



60. Click “Done/Continue”.



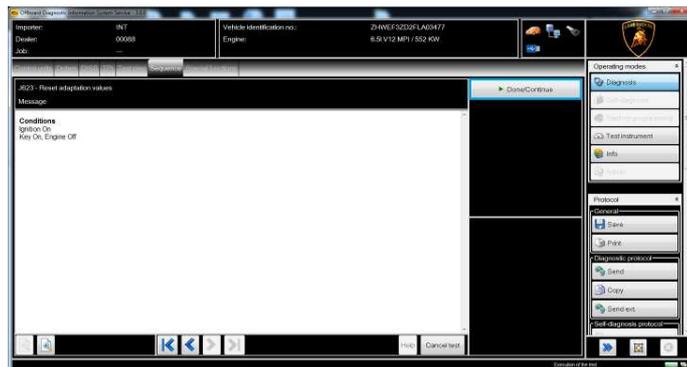
61. Click “Done/Continue”.



62. Make sure the activation conditions are respected:

- key ON;
- engine OFF;
- no faults stored in the Engine ECU memory.

Click “Done/Continue”.

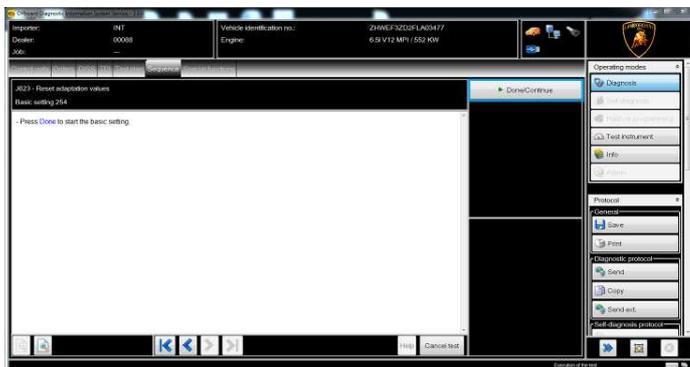


63. Click “Yes” to continue.



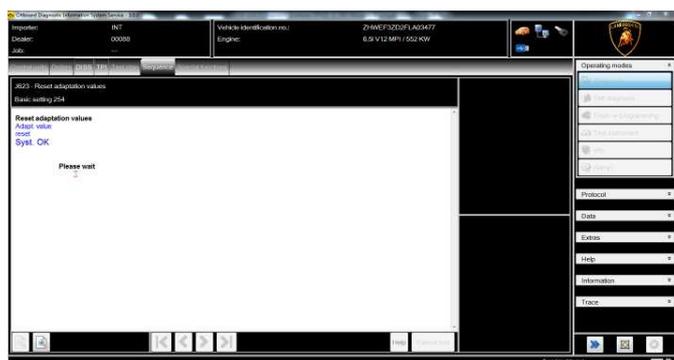


64. Click “Done/Continue” to perform the basic setting.



65. Wait until the feedback message is shown.

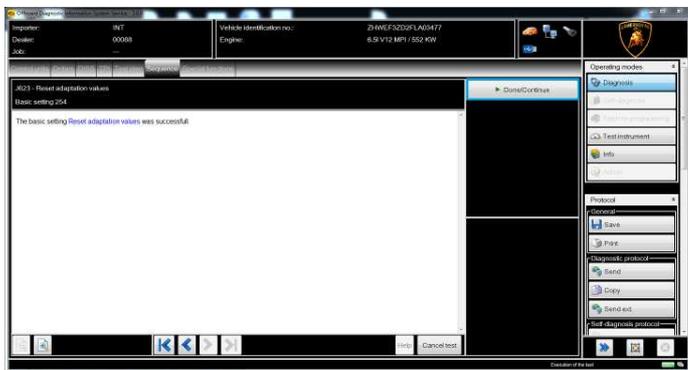
If the procedure has been performed successfully, the message “Syst.OK” will appear, as shown in the picture below.



66. If the procedure has not been performed successfully:

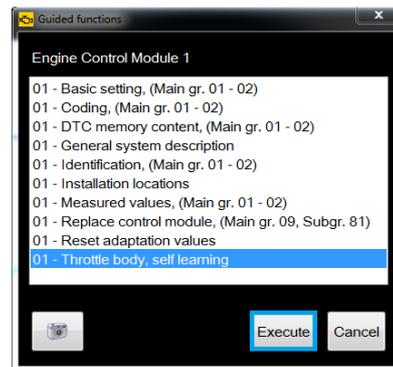
- Turn ignition OFF;
- Wait at least one minute before turning ignition ON again;
- Repeat the procedure from step 59.

Click “Done/Continue” to exit the basic setting.



67. Go back to the Control Unit tab (block diagram or list view) to select the Engine ECU MOT_01 guided functions .

Select “01 – Throttle bodies, self learning” function and click “Execute”.



68. The requirements for the test are summarized.



IMPORTANT!

Make sure that air conditioning is OFF.

Click “Done/Continue”





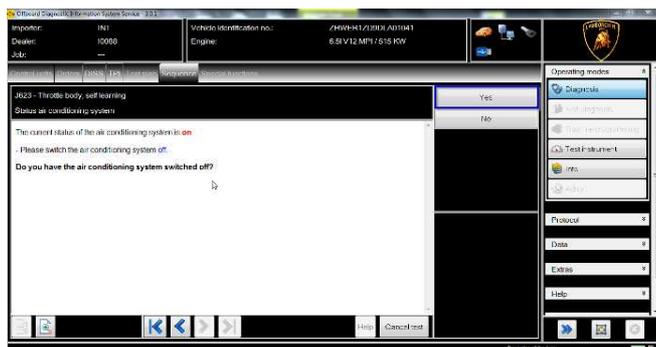
69. Start the engine at idle speed.

Click “Done/Continue



70. If you did not switch air conditioning OFF a warning message will appear.

Turn air conditioning OFF and click “Yes”.

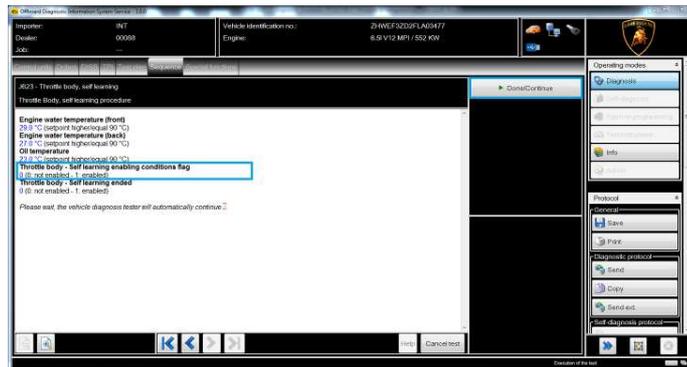


71. Self learning is an automatic procedure which is activated when engine water and oil temperature reach 90 °C.

Check the parameters from ODIS and wait until water and oil temperatures reach the target.

Don't perform any action on the car (e.g. pushing the accelerator pedal) if not necessary.

Once the conditions are met (water and oil temperature above 90°C) the “Throttle body – Self learning enabling conditions flag” switches from 0 to 1 indicating the beginning of the self-learning procedure.

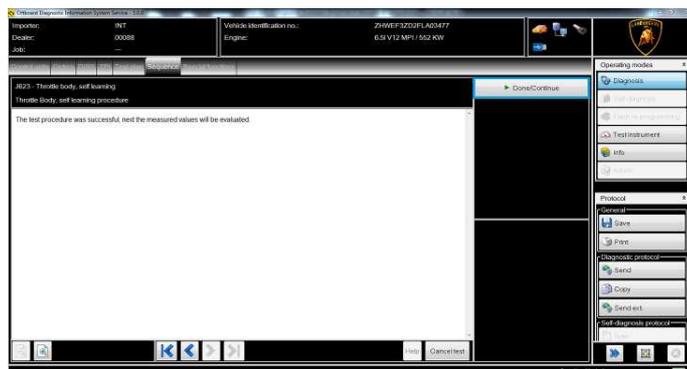


72. If the self-learning has been completed successfully a screen as in the picture below is shown.

Click “Done/Continue” to display the ignition advance values.

If the procedure has not been completed correctly:

- Switch the ignition OFF;
- Wait one minute before switching the ignition ON again;
- Restart the procedure from step 67.

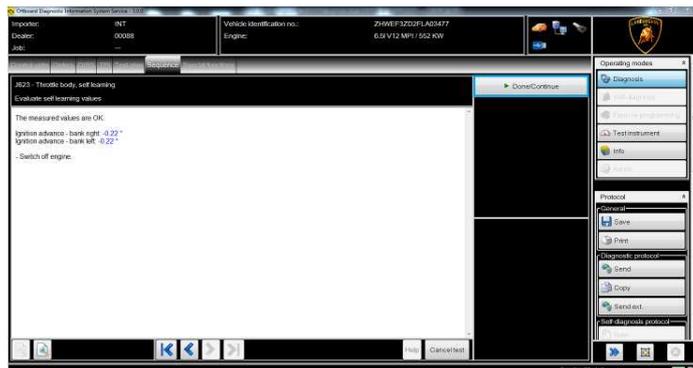




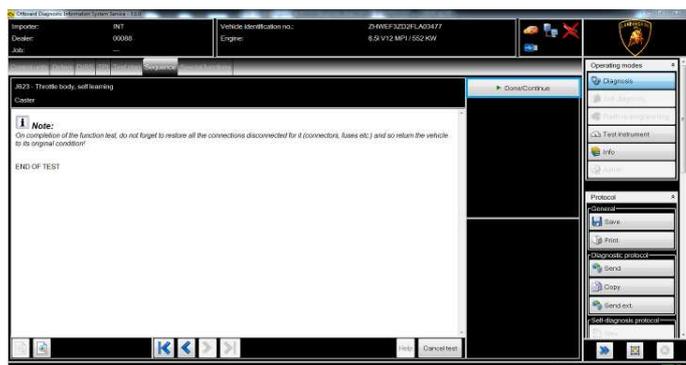
73. Ignition advance values must be inside the range [-2° 3°].

Switch the engine OFF and press “Done/Continue” to exit the program.

If these values were out of the range restart the procedure from step 67, leaving ignition Key OFF for at least one minute .

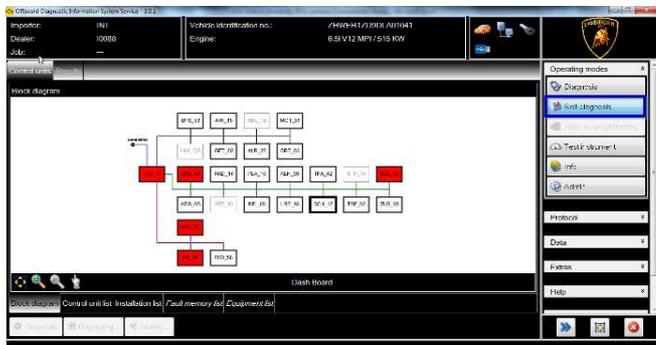


74. Click again “Done/Continue” to exit the test.

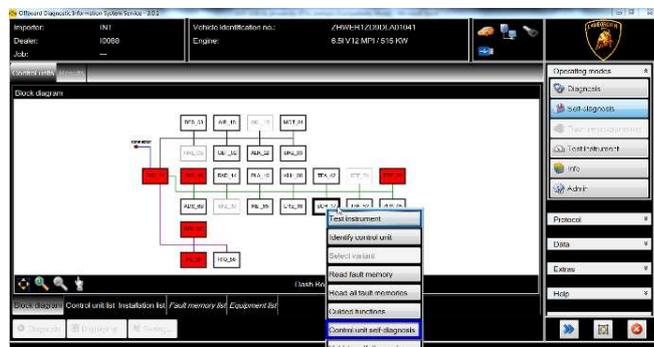


75. If it is necessary to restore service time and distance intervals:

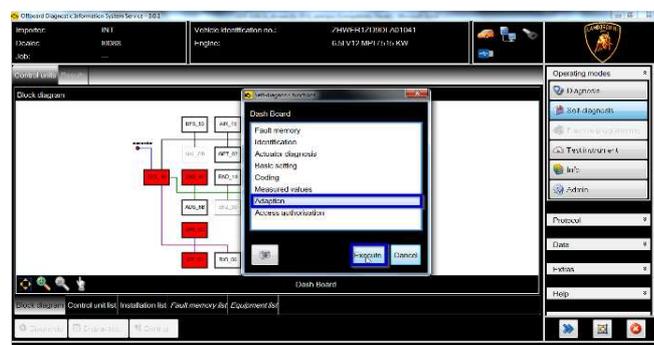
select “self-diagnosis” in the right menu.



76. Right click dash board ECU and select Control Unit self-diagnosis.



77. In the following menu select Adaption and click “Execute”.



78. Write “52” in the channel box and click “Select channel” as shown in the picture.

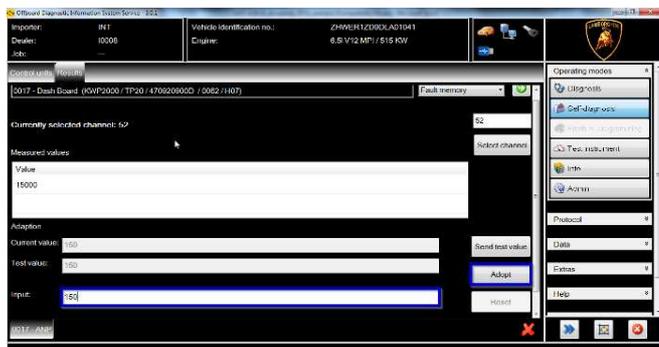




79. Insert the distance to next service divided by 100 in the input box.

(e.g. write 150 for 15000 km to next service)

Click “adopt”.



80. Write “54” in the channel box and click “Select channel”.

Then insert the days to next service in the input box.

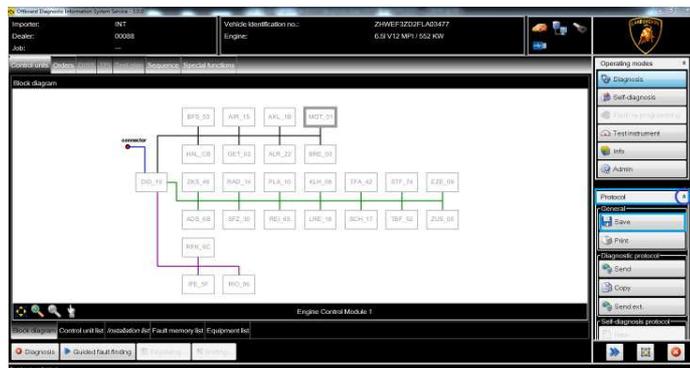
(e.g. write 365 for 365 days to next service)

Click “adopt”.



/* Diagnosis protocol saving */

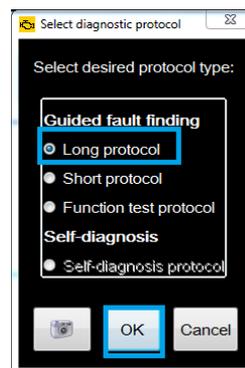
81. At the end of software updates, expand “Protocol” menu on the right side (menu bar) and click “Save” in the “General” buttons group.



82. In the following window choose:

- **Long protocol.**

Clicking its row and then “OK”.





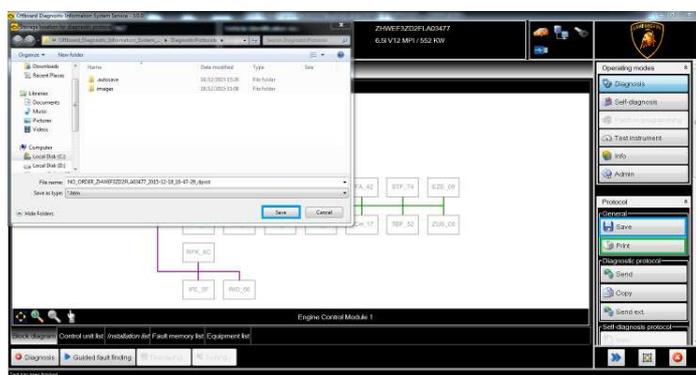
83. Select the path on your laptop where you want to save the diagnosis protocol. (default path is set under ODIS Service installation folder and can be changed in Admin menu)

Diagnosis protocol format is internet “.htm”.

Click “Save” to save the protocol.



Click “Print” in the subgroup of buttons “General” to print the protocol directly on a pdf file (if Adobe pdf is installed) or in paper format sending it to a printer.



84. 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).

Trouble shooting

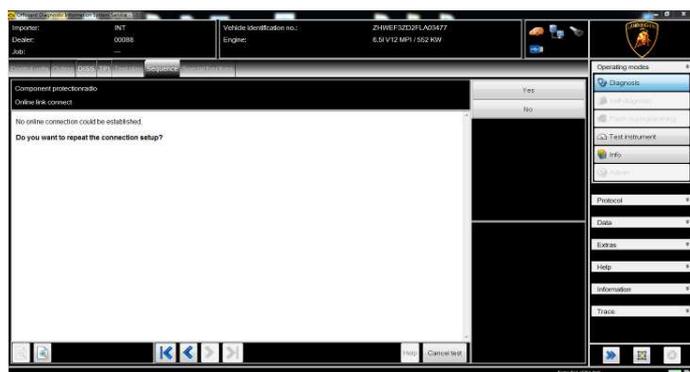
A. If the error message regarding the VAS5054 interface and the two icons for status of on board connection and key ON are shown as in the picture below:

- 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 on “Diagnostic interface”.



B. 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”.





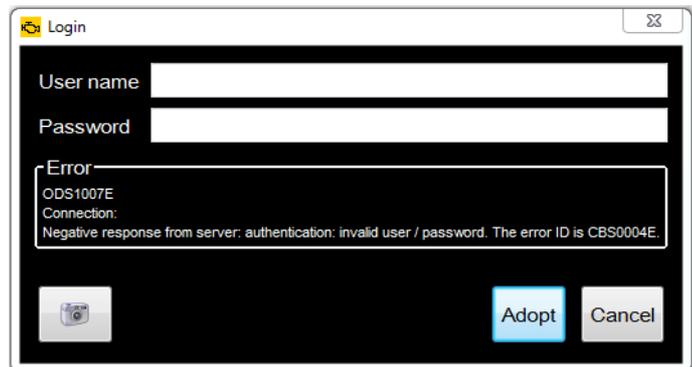
C. If the loss of connection happens during the target/actual comparison during SVM procedure:

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



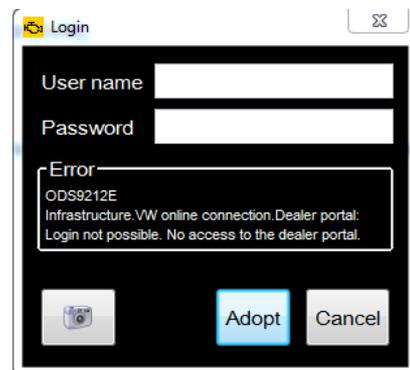
D. If the incorrect identification message is shown as in the picture below (error code: ODS1007E):

- 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 on Cancel and perform the application test (see document “ODIS_Checking_ConnectionServer_SVM_2.0” (*)).



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

- 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
- 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” (*))





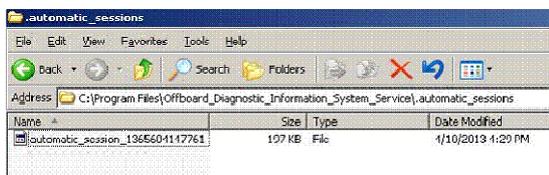
F. If the same error is present during the application test, try the following procedure:

- 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.



IMPORTANT REMARK

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



G. 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 under:

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

or under

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	9
Failed package downloads	0
Last Sync	15/12/17 22:09:13



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.