



Campaign code:
L636-A.08.19.

Campaign Name:
Gateway ECU connectivity configuration.

Model:
Urus.

Model year:
MY 2019

Special or limited editions:
All versions

Markets:
Australia, Hong Kong, Malaysia, New Zealand, Singapore, Taiwan, Turkey.

VIN identification:
From KLA00282 to KLA01676

Important: before proceeding with the repair, connect to the warranty portal and use VIN Info to check that:

- The vehicle is actually affected by the instructions given in this bulletin; some vehicles may not be, even when their VIN is included.
- Procedures are identified by a letter (e.g. A, B or C....etc., whose differences will be explained later in this bulletin); make sure that the spare parts corresponding to the assigned procedure are used.

Example

Code	Type	Description	Bulletin	Proc.
LXX-A.XX.XX		CAMPAIGN NAME		B



N.B.

Procedure A will be available only when the instructions require a preliminary check to be performed to determine whether or not the vehicle actually needs updating.

Network information notice.

As a result of continuous product monitoring, Automobili Lamborghini S.p.A. has detected that in some markets a warning message about missing data connection may appear on the infotainment display.

Solutions for the network:

Replacement and update of the gateway ECU configuration.



IMPORTANT:

Before carrying out the campaign in question, ensure that the campaigns “L636A0418” and “L636A0419” have been performed on the vehicle. In the event that it has not been performed and is in the “VIN identification” list, first carry out the campaigns “L636A0418” and “L636A0419”, and then the campaign “L636A0819”.

Replacement parts:



IMPORTANT!

When the VIN is entered in the LIASS system, the specific operation to be performed on that vehicle will be specified. On the basis of the operation displayed on LIASS, please order one of the following codes associated with the operations concerned, where suggested:

Operation B, C, F: 4ML998049

Operation D, E, G: 4ML998049A



P/N Kit	Description	Q
4ML998049	The kit contains: - GW control unit; P/N: 4N1907468AA - Clamp; P/N: 4ML971141 - Clamp; P/N: 4ML971141A - Connector sponge; P/N: 191971790A - Connector sponge; P/N: 3B0971790 - Clamps; P/N: 893971850C - GW control unit bracket; P/N: 4M0907347	1
4ML998049A	The kit contains: - GW control unit; P/N: 4N2907468AA - Clamp; P/N: 4ML971141 - Clamp; P/N: 4ML971141A - Connector sponge; P/N: 191971790A - Connector sponge; P/N: 3B0971790 - Clamps; P/N: 893971850C - GW control unit bracket; P/N: 4M0907347	1

Management of replaced parts:

Store the parts removed from the vehicle in a suitable manner, marked with their barcode for identification during visits by the competent Area Manager.

Labor:

- Operation B: 5 hours
- Operation C: 5.5 hours
- Operation D: 5. hours
- Operation E: 5.5 hours
- Operation F: 1.3 hours
- Operation G: 1.3 hours

Bulletins superseded:

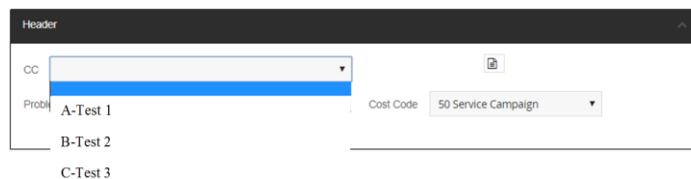
None.

Warranty instructions:

To request reimbursement for the corrective action performed, access the Warranties section of the Lam-

borghini Portal and follow the “Campaigns” entry instructions in the W.Claim manual which can be downloaded from the Portal.

Select the required campaign and proceed with entry, carefully reading the options present in the alert displayed by the system (see example) and select the option performed on the vehicle.



Depending on the option performed, the reimbursement will be structured in the following manner:

- **Operation B:** Replacement of the Gateway ECU **WITHOUT** SD-Creator download. Operations to perform: *I, II, III, IV, V, VI, VII.*
Labor: 5 hours
 Spare Parts: 4ML998049
- **Operation C:** Replacement of the Gateway ECU **WITH** SD-Creator download. Procedures to perform: *I, II, III, IV, V, V.A, VI, VII.*
Labor: 5.5 hours
 Spare Parts: 4ML998049
- **Operazione D:** Replacement of the Gateway ECU **WITHOUT** SD-Creator download. Procedures to perform *I, II, III, IV, V, VI, VII.*
Labor: 5 hours
 Spare Parts: 4ML998049A
- **Operation E:** Replacement of the Gateway ECU **WITH** SD-Creator download. Procedures to perform: *I, II, III, IV, V, V.A, VI, VII.*
Labor: 5.5 hours
 Spare Parts: 4ML998049A
- **Operation F:** Gateway ECU replacement.
 Procedures to perform: *III.*
Labor: 1.3 hours



Spare Parts: 4ML998049

- **Operation G:** Gateway ECU replacement.
 Procedures to perform: *III*.
 Labor: 1.3 hours
 Spare Parts: 4ML998049A

Tools/Materials required

Code	Description.	Q



IMPORTANT:

Before following the instructions in the service campaign, the SD-Creator program must be installed. The SD Creator installation instructions are contained in the bulletin: “BI.09.17_[ENG]_SD-Creator installation package procedure”.



NOTE:

Operations B, C, D, E, F, G identify the labor times and do not relate to the operations described in the Work Instructions (I, II, III, IV, V, V.A, VI, VII).



WARNING!

Attach all documents generated during the work carried out as evidence of the work itself, for instance workshop orders, diagnostic protocols etc. If one or more of these is missing it may lead to a rejected reimbursement request.

Fill out the Service and Recall Campaign section in the warranty booklet, which is shown in the figure below.

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

The form contains four identical sections for recording service and recall campaigns. Each section includes checkboxes for 'Service/Service' and 'Recall/Recall', a 10-digit number field, a date field (DDMMYY), and a signature line with the text 'Firma / Unterschreiben / Signature / Firma'.



Preliminary operations:

1. Ensure you have recently synced with the Mirror server by checking the last synchronization date: <http://mirrorserver/maintenance/diagnosis.py> or by directly entering the Btac-box IP address: [http://\[IP_address\]/maintenance/diagnosis.py](http://[IP_address]/maintenance/diagnosis.py) if you have not previously set the IP alias of the mirror server.

(e.g. <http://12.34.567.890/maintenance/diagnosis.py>)



IMPORTANT:

Make sure that the last synchronization was performed after Wednesday, June 19, 2019.

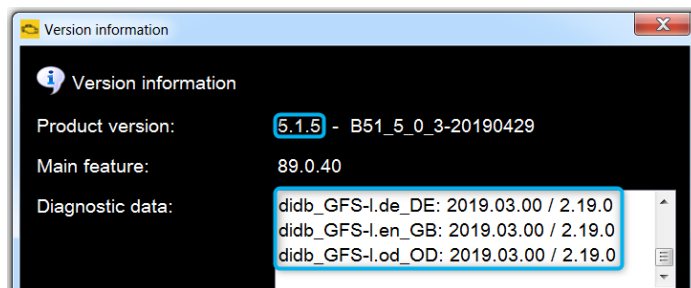
MS/2 Diagnosis

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	not used
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	19/06/18 21:01:13
<input type="button" value="Start tests"/>	

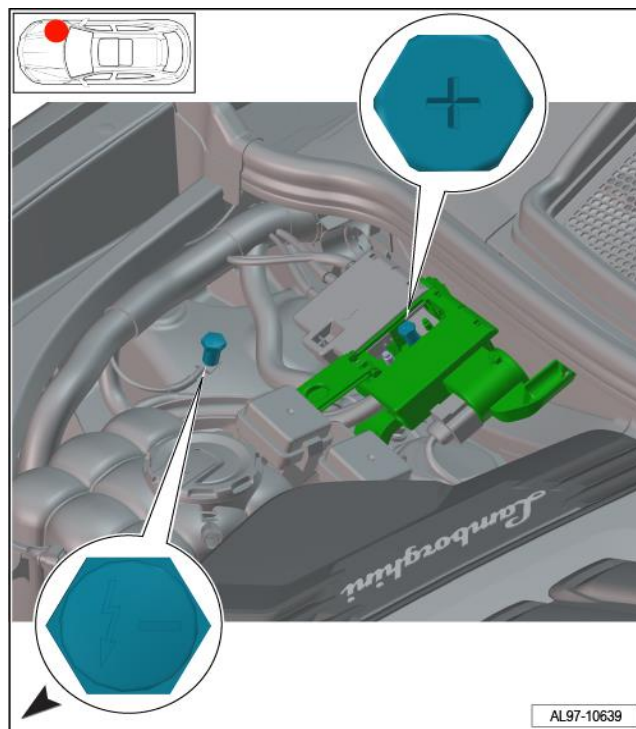


NOTE:

The instructions contained in this bulletin are based on the ODIS diagnosis software updated to version 5.1.5 and the Lamborghini 2.19.0 or later database (refer to information bulletin BI.13.19 and make sure that ODIS Service is properly updated on the laptop).



2. It is essential that you connect an appropriate battery charger to the charge points available in the engine hood (left side of the vehicle). Please refer to the following figure.





Work instructions:

The updating procedure described here includes the following steps:

- I. Control unit 15 update;
- II. Control unit 09 update;
- III. Replacement and updating of the ECU 19;
- IV. Control unit 46 update;
- V. Control unit A5 preconfiguration;
V.A Control unit A5 software download from SD-Creator;
- VI. Control unit A5 final update and update of control units 13, 3C, CF, DB, DC;
- VII. Fault memory deletion.



IMPORTANT:

Do not perform other types of activity on the car while executing the campaign.

Before starting the campaign, delete and resolve any other faults present.

Carrying out the procedure blindly implies unsolvable damage to the control unit and resulting replacements.



NOTE:

Secure the key On during the entire procedure for updating the various listed systems. Start a diagnostic session with ODIS Service and keep the diagnostic interface connected to the OBD socket. Do not close the ODIS program or use it for other purposes.

I. Control unit 15 update:

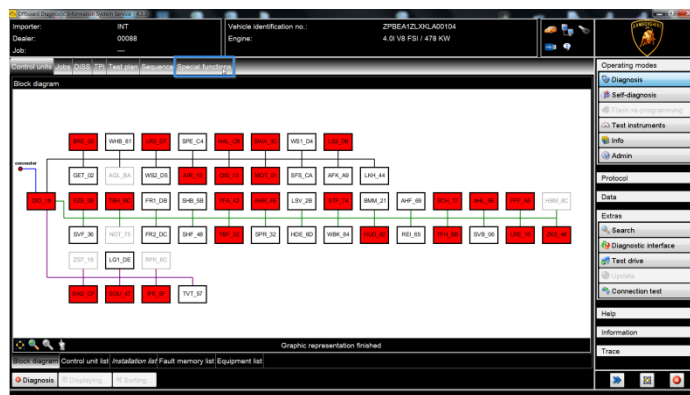
Refer to the procedure in the workshop manual regarding "Implementation of an SVM code".



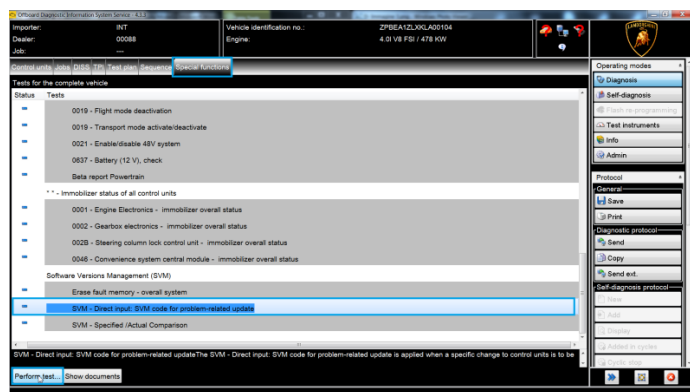
IMPORTANT:

Improper use of this function can cause damage to the ECUs.

1. To start the procedure to execute an SVM code, select the "Special functions" card in ODIS.

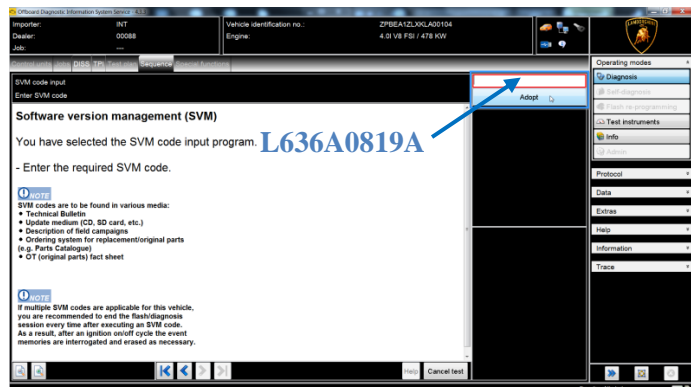


2. Click on "SVM-Direct input: SVM for problem-related update" and then on "Run test".

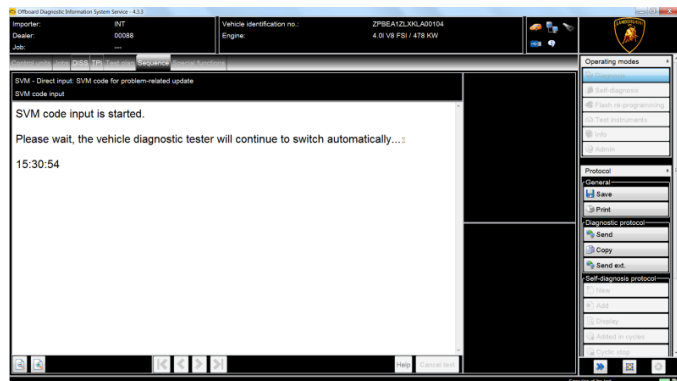




3. Enter the campaign code “L636A0819A” in the appropriate space at the top right and click “Adopt”.



4. The SVM code entered is again displayed in the dialog box. If the entered code is correct, click on “Yes”. Otherwise click on “No” to cancel the SVM procedure.
5. Wait for data to be acquired from all the control units. This operation requires a few minutes.

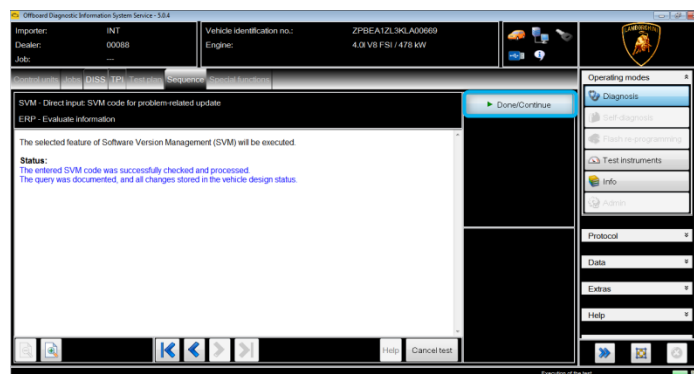


6. To run the SVM function and access the Lamborghini servers, you must have a valid GeKo account. Ensure that the laptop is correctly connected to the Internet. Enter your GeKo username in the "User name" field and the PIN 1324 + the 6-digit code currently displayed on the GeKo token in the "Password" field.



Click "Adopt" to confirm.

7. The SVM function will automatically continue with identification of the control units in the vehicle.
8. It might become necessary to perform one or more of the following operations in the SVM procedure:
- Coding;
 - Parameterization;
 - Calibration.
- To perform these actions, it is usually necessary to click on “Done/Continue” where requested and to follow the instructions directly provided on the ODIS dialog screens.
9. Click “Done/Continue” until the control unit 15 updating procedure is completed.

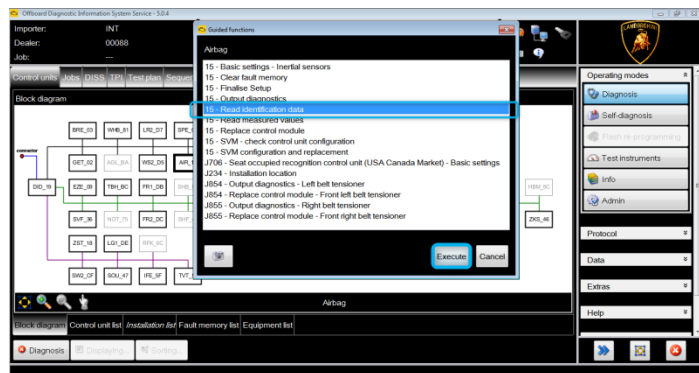


10. Click “Done/Continue”.
11. Switch the key OFF for a few seconds.



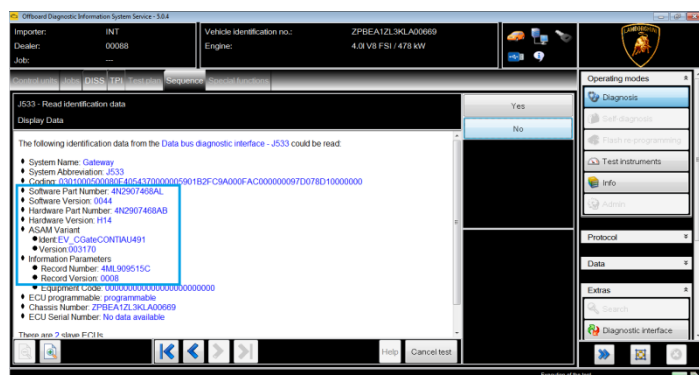
12. Switch the key ON.

13. Select the function “15 - Read identification data” from the “Guided functions” of control unit 15.



IMPORTANT:

The following image is an example.

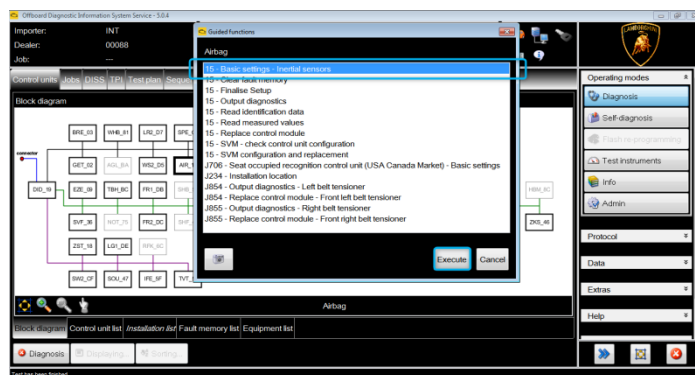


14. Check that Software P.N., Software version, Record number and Record version installed are consistent with the “Table of reference for control unit 15” below.

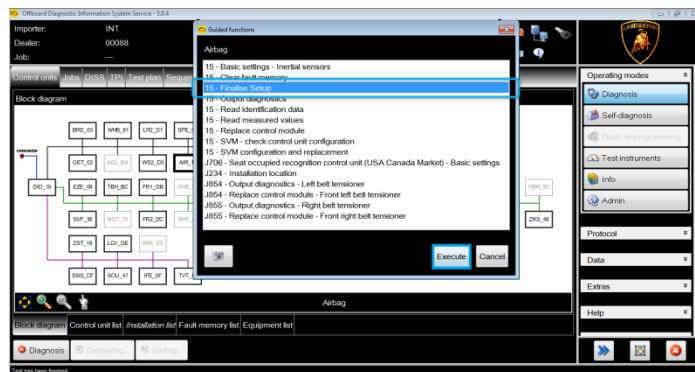
Software P.N.	Software version	Record number	Record version
4N0.959.655.H	2710	4ML909602P	0001
4N0.959.655.R	2710	4ML909602P	0001
4N0.959.655.Q	2710	4ML909602P	0001

15. The function asks you to also identify the slaves of the control unit. Select “No”.

16. Select the function “15-Basic setting – Inertial sensors” from the “Guided functions” of control unit 15 and follow the instructions until the procedure is completed.



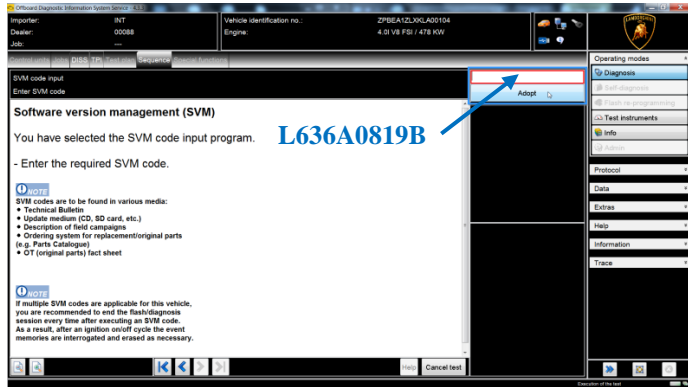
17. Select the function “15-Finalize setup” from the “Guided functions” of control unit 15 and follow the instructions until the procedure is completed.





II. Control unit 09 update:

18. To carry out the update of control unit 09, you have to repeat the procedure from steps 1 to 12, using the code “L636A0819B” under step 3.

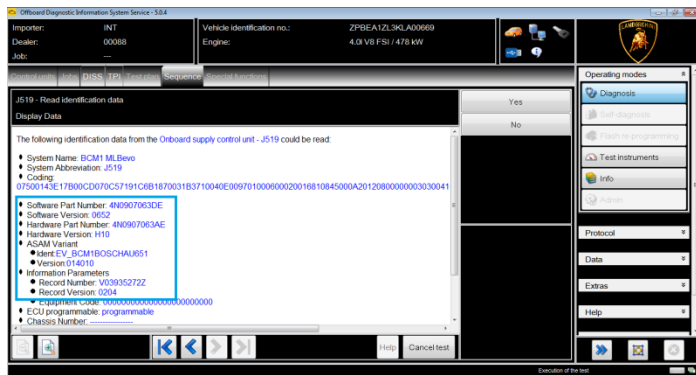


19. Select the function “09-Read identification data” from the “Guided functions” of control unit 09.



IMPORTANT:

The following image is an example.

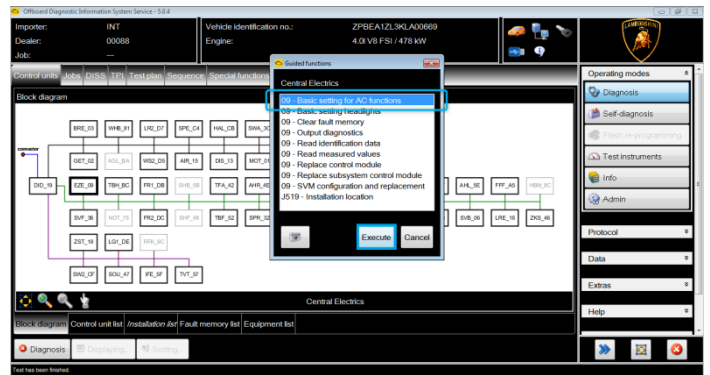


20. Check that Software P.N., Software version, Record number and Record version installed are consistent with one of those specified in the “Table of reference for control unit 09”.

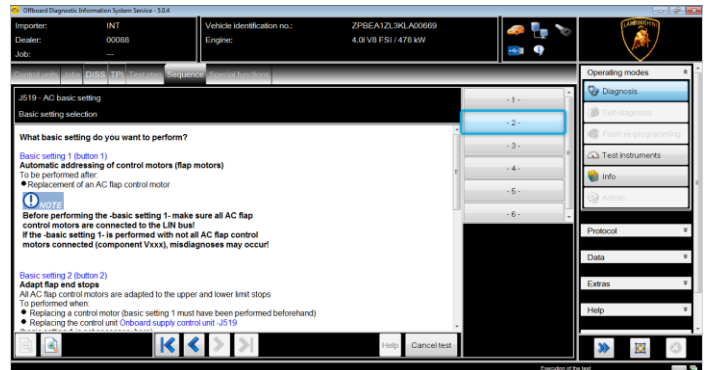
Table of reference for control unit 09			
Software P.N.	Software version	Record number	Record version
4N0.907.063.DG	0652	V03935272Z	0204
4N0.907.063.DE	0652	V03935272Z	0204

21. The function asks you to also identify the slaves of the control unit. Select “No”.

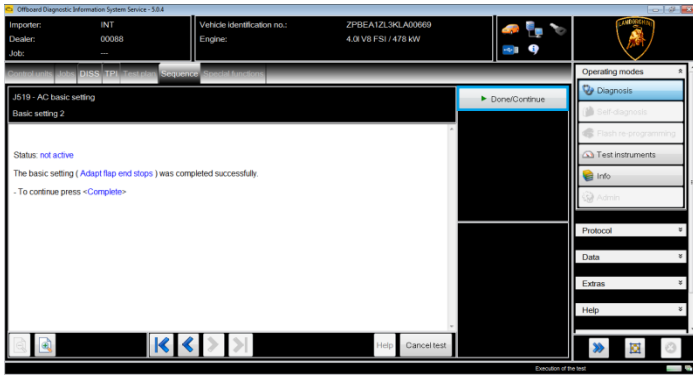
22. Select the function “09-Basic setting for A/C flaps” from the “Guided functions” of control unit 09.



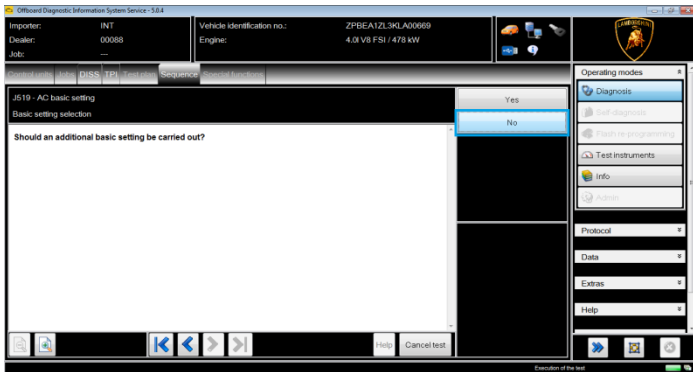
23. Select option “2”.



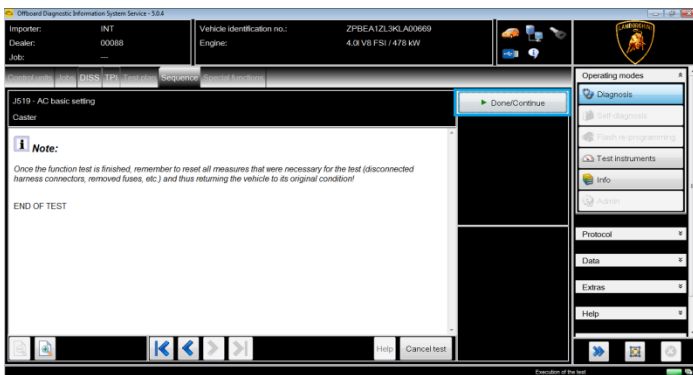
24. Select “Done/Continue” until the procedure is completed.



25. Select “No” when you are asked to make other basic settings.



26. Select “Done/Continue” until the procedure is completed.



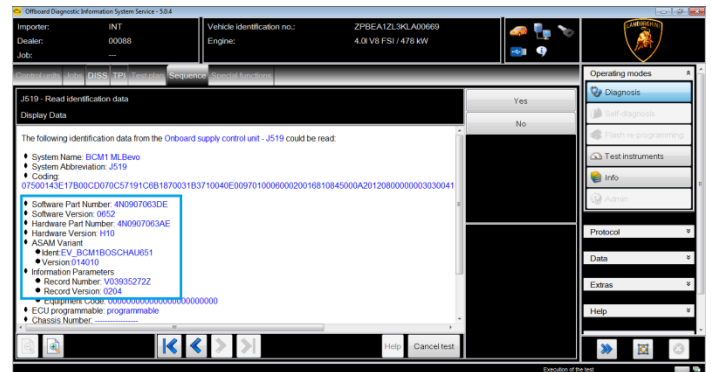
III. Replacement and updating of the ECU 19;

27. Select the function “19-Read identification data” from the “Guided functions” of control unit 19.



IMPORTANT:

The following image is an example.



28. The function asks you to also identify the slaves of the control unit. Select “No”.



IMPORTANT:

If the Software Part Number and Hardware Part Number identified under step 27 are those listed in the table below:

Software Part Number	Hardware Part Number
4N1.907.468.L	4N1.907.468.B
4N2.907.468.L	4N2.907.468.B
4N1.907.468.AB	4N1.907.468.AB
4N2.907.468.AB	4N2.907.468.AB

Ensure you have ordered the correct component, as described in the point “Spare Parts”.



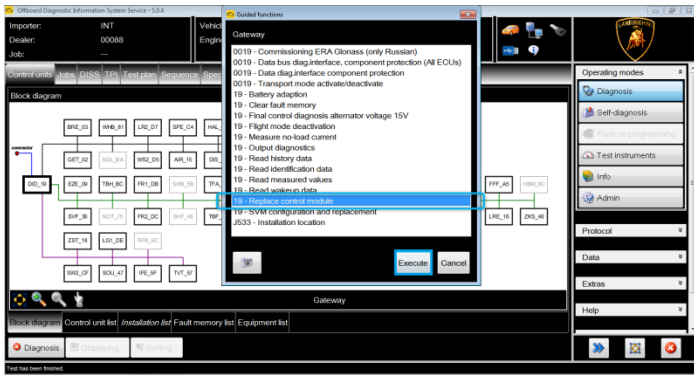
Preliminary operations

Before starting the procedure, it will be necessary to run and save a diagnostic protocol.

To perform this operation, follow the instructions given in the workshop manual at the following paths:

10 Diagnosis → 00 ODIS → Saving the diagnostic protocol → Description

- 29. Select the function “19 - Replace control module” from the “Guided functions” of control unit 19 by clicking “Run”. Continue the function up to the end.



IMPORTANT:
 Switch off the battery charger before continuing with removal.

Procedure



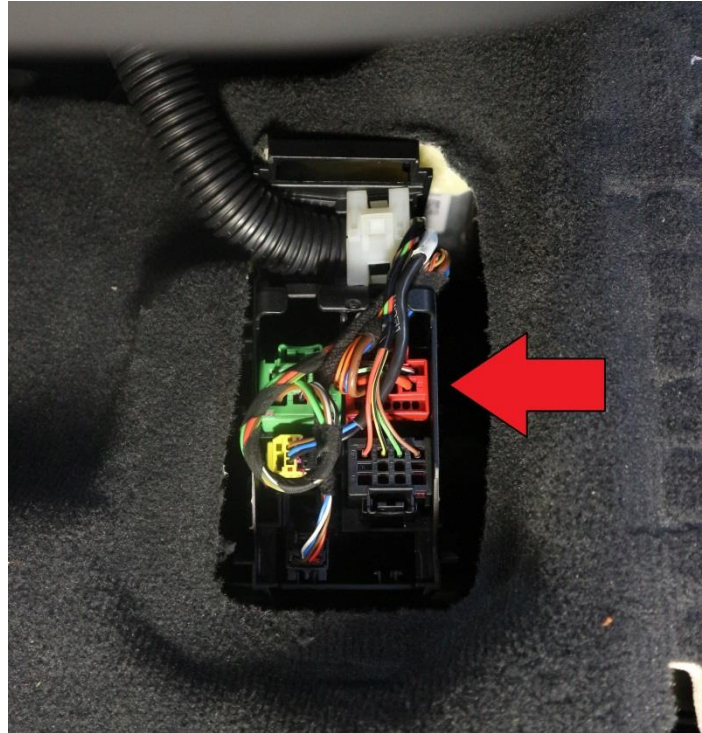
- 30. Free and remove the passenger seat connections cover.



NOTE
 Move the seat backwards to access the cover.



- 31. Disconnect the seat connectors.

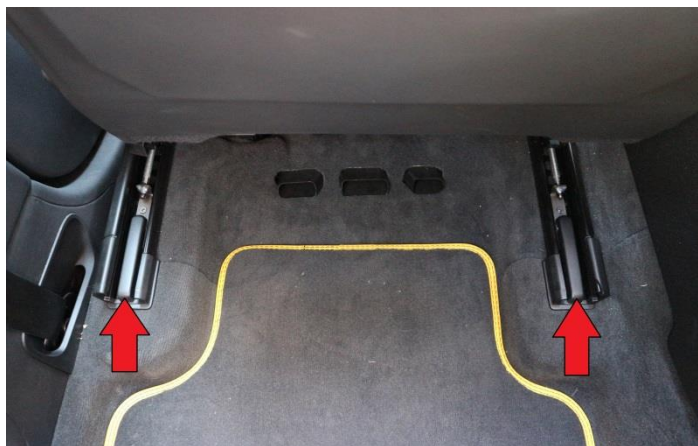
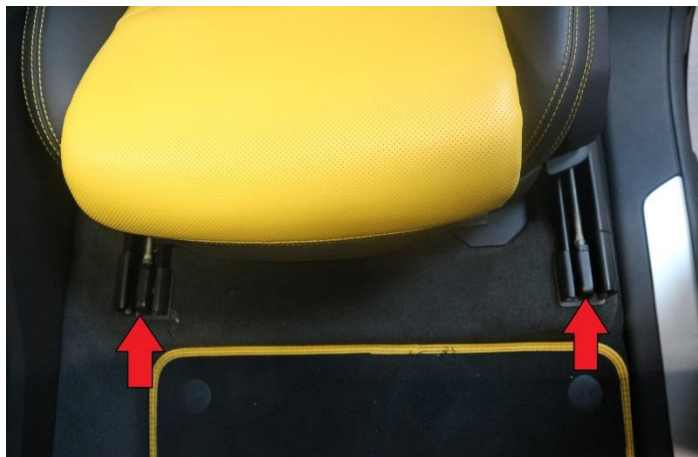




32. Remove the front and rear covers on the passenger seat fasteners.



Move the seat forwards and backwards to facilitate the operation.



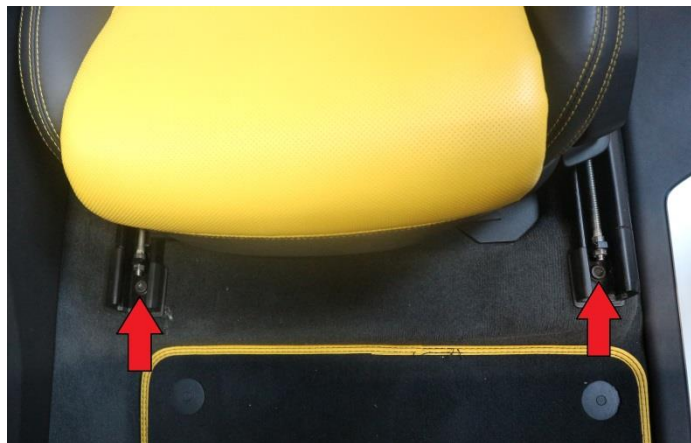
33. Remove the 4 screws.

Tightening the screws.

Tightening torque: 40,00 Nm (29,5 lbf ft) ± 5%



Move the seat forwards and backwards to facilitate the operation.



34. Free the seat and remove it, passing it through the passenger door.



When performing this operation, have a second operator.

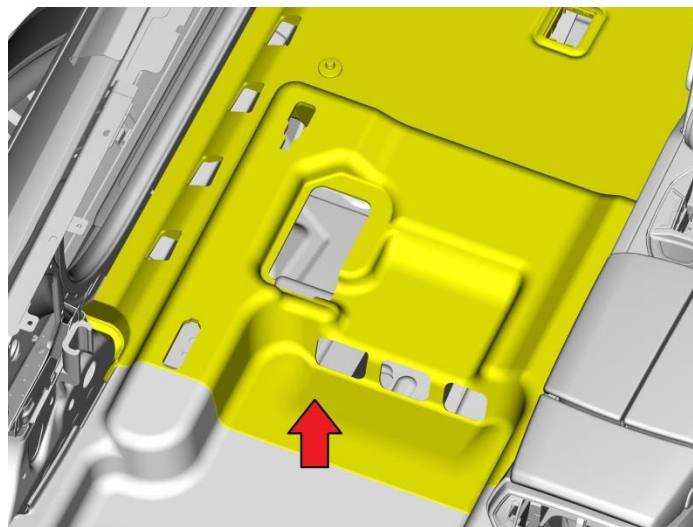
 **IMPORTANT**

Take care during removal, movement and handling of the component, as it could get damaged. Perform the removal process with care, avoiding any movements which could damage the internal trim/upholstery etc.

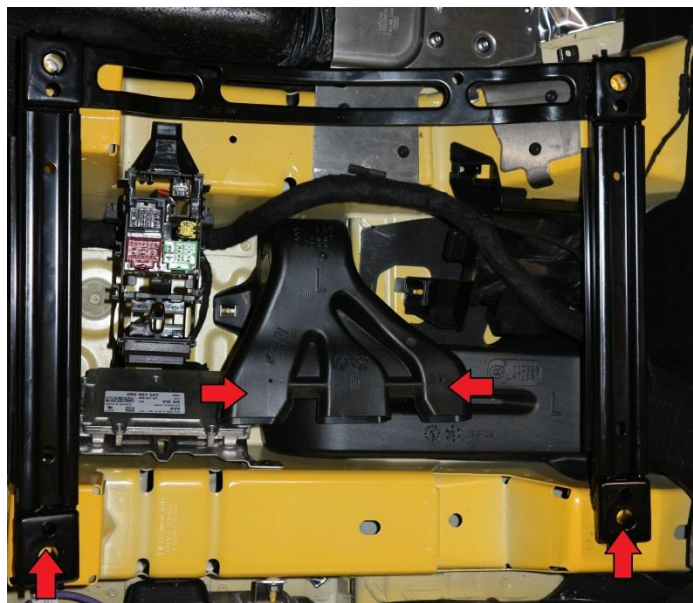


35. You have to disconnect the battery in order to be able to replace the control unit. To perform this operation, follow the instructions given in the repair manual at the following path: *Repair Manual* → *Urus* → *MY19* → *09 Electrical System* → *Battery Electrical System* → *A-12V Battery* → *Removal/Reinstallation*.

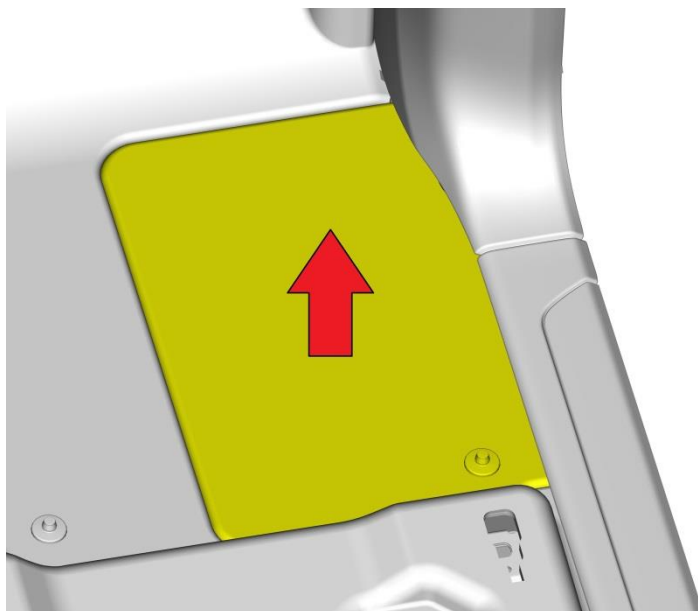
36.



37. Remove the seat support and the ventilation duct.



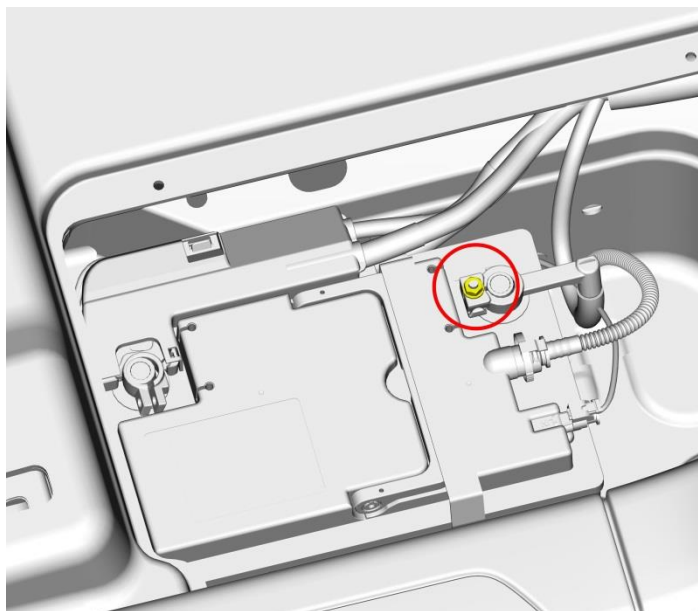
38. Free and remove the battery inspection cover located in the driver floor area.



39. Slacken off the negative terminal nut.

Tighten the nut.

Tightening torque: 5.00 Nm (3.69 lbf ft)



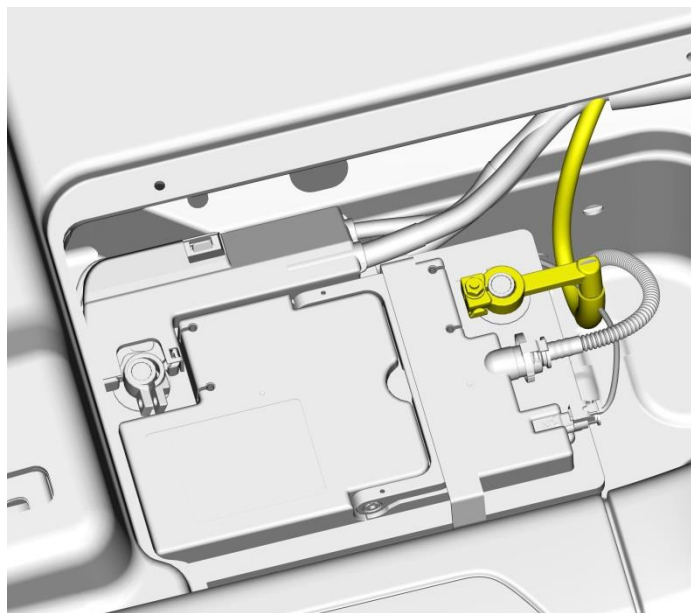
40. Remove the negative terminal on the battery.



Ensure that the instrument cluster has been switched off before disconnecting the negative pole.

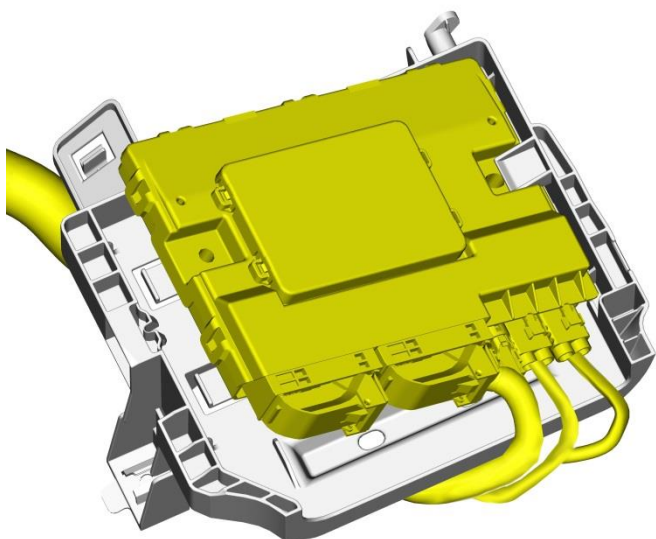
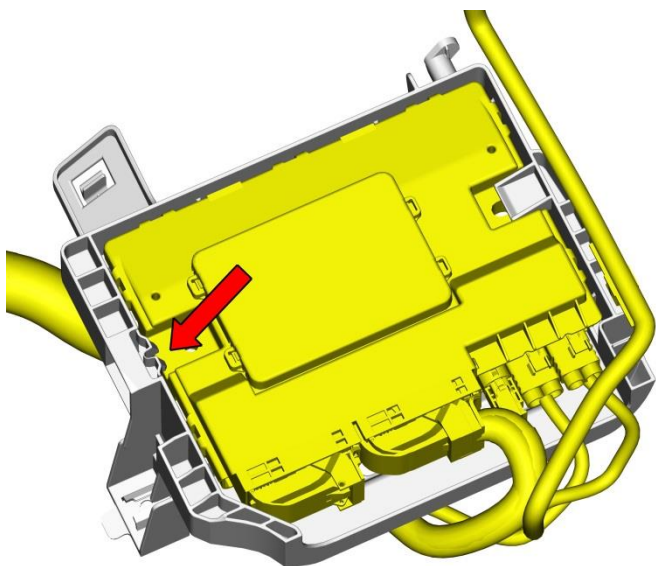


After the clamp has been disconnected, make sure it cannot accidentally contact the negative terminal on the battery.

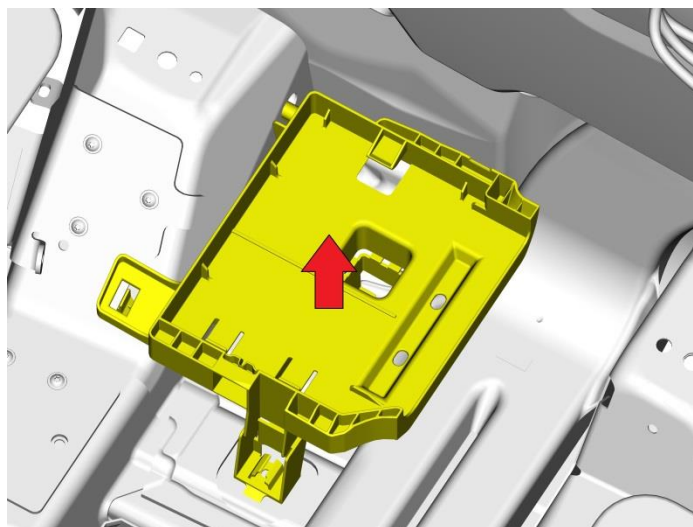


41. Remove the Gateway control unit requiring replacement from its bracket by releasing the fastener.

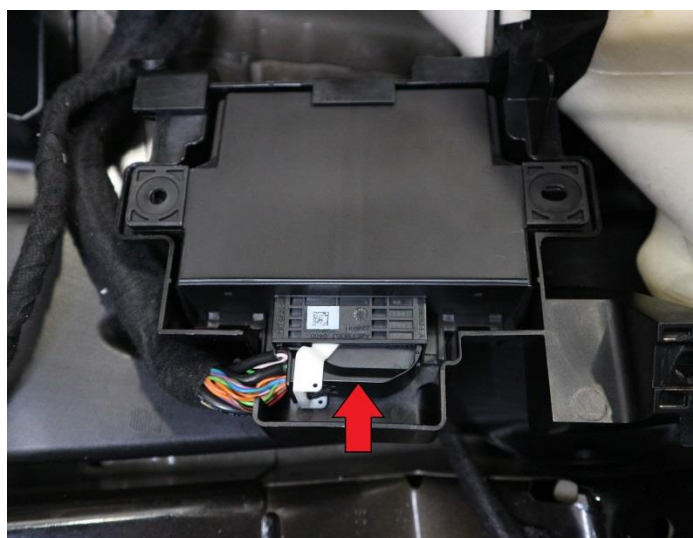
Disconnect the connectors and remove the control unit.



42. Free the support from its fasteners and remove it.



43. Position the Gateway ECU (4N1907468AA - 4N2907468AA) in the corresponding support (4M0907347) and connect the connector.



44. Position the support with ECU in the corresponding seat.



45. Seal unused cabling using the clamps and sponges supplied in the kit.

Fasten the cabling with the clamps supplied in the kit in order to keep them stable.

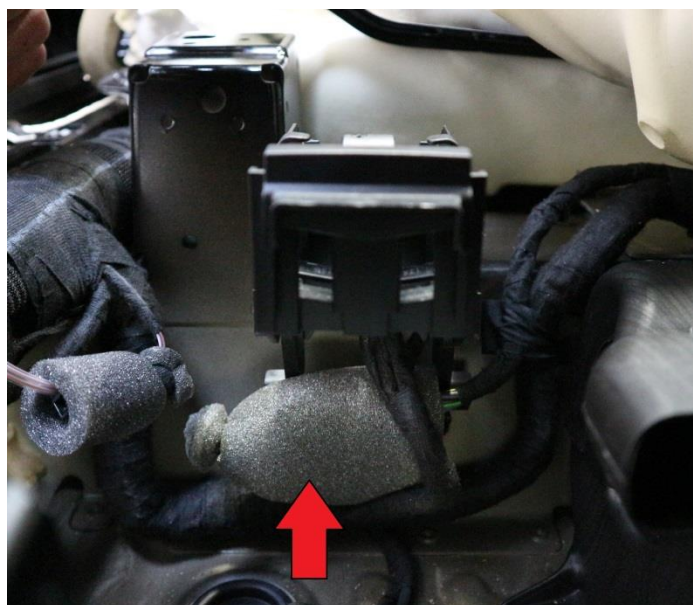
Connect the clamp (4ML971141A) to the blue connector.



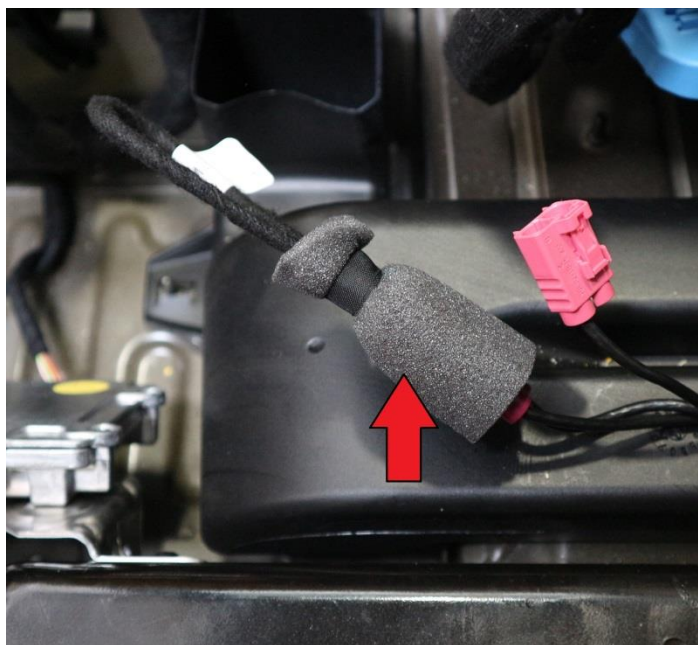
Fasten the wiring to that of the passenger seat.



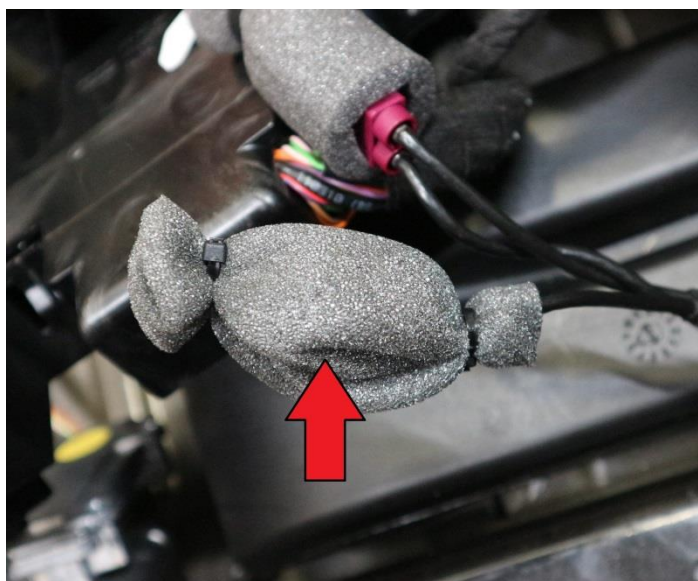
Position the sponge (3B0971790) on the blue connector in order to limit vibration.



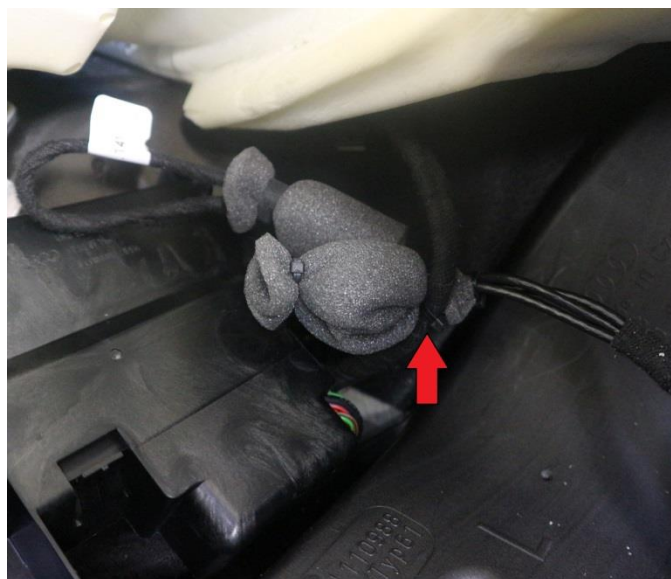
Connect the clamp (4ML971141) to the purple connector.



Position the sponge (191971790A) on the pink connector and fasten it with a clamp.



Fasten the wiring for both connectors with a clamp, as shown in the image.



Then move the cable out of the way, positioning it to the side of the gateway ECU support.



Final operations

46. To reinstall, follow the removal procedure in reverse order.



47. When reinstallation is complete, carry out the power window position learning routine.

To perform these operations, follow the instructions given in the workshop manual at the following paths:

10 Diagnosis→42 Driver door electronics→Guided Functions-Further Adaptations→Description

10 Diagnosis→52 Passenger door electronics→Guided Functions-Further Adaptations→Description

10 Diagnosis→BB Door Electronics Rear Driver Side→Guided Functions-Further Adaptations→Description

10 Diagnosis→BB Door Electronics Rear Passenger Side→Guided Functions-Further Adaptations→Description



IMPORTANT:

The documents which must be provided with the warranty request are:

- Produced Repair Order
- Saved Diagnostic Protocol.

Failure to follow these procedures could lead to the request being rejected.

For further information, please contact Technical Support.

48. Reconnect the battery. To perform this operation, follow the instructions given in the repair manual at the following path: *Repair Manual* → *Urus* → *MY19* → *09 Electrical System* → *Battery Electrical System* → *A-12V Battery* → *Removal/Reinstallation*.

49. You can reconnect the battery charger to the vehicle when the removal procedure is completed, as described in the preliminary operations.

50. Check that the following functions to perform are in the “Test plan” displayed on ODIS Service:

- Service Immobilizer;
- 0019–Data bus diag interface, component protection (all ECUs);
- SVM–Direct input: SVM code for problem-related update;
- SVM activations;
- 19 – Battery adaption;
- 15 – Basic settings –Inertial sensors;
- 19 – Flight mode deactivation;
- Erase fault memory – overall system.



IMPORTANT:

Perform only the functions listed in the above step, even if others might appear.

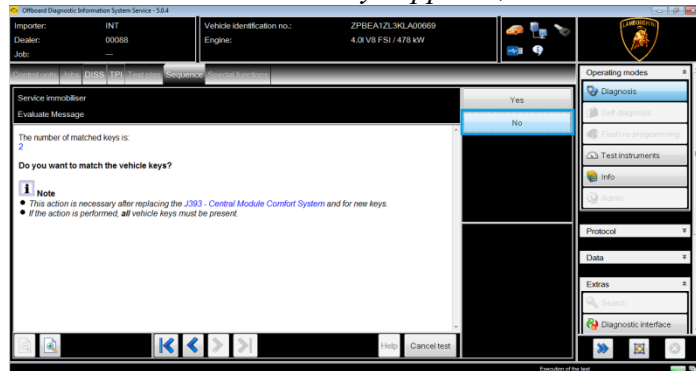
Perform the functions in the order in which they are listed.



51. Perform the function “*-* Service immobilizer” from the “Test plan”.

**IMPORTANT:**

When the following message regarding execution of the Immobilizer on NEW keys appears, select “No”.



To perform the immobilizer, follow the instructions given in the workshop manual at the following path: *Lamborghini Portal* → *Workshop manual* → *Repair manuals* → *Urus* → *MY 19 Urus* → *Chapter 10 Diagnosis* → *00 ODIS* → *Immobilizer*.

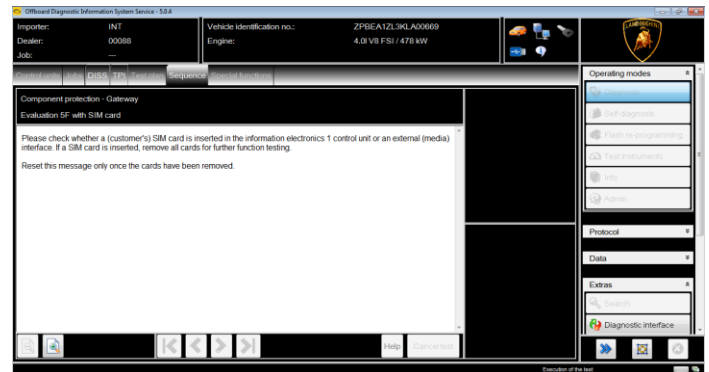
**IMPORTANT:**

Make sure that the rear multimedia systems, where present, are switched on.

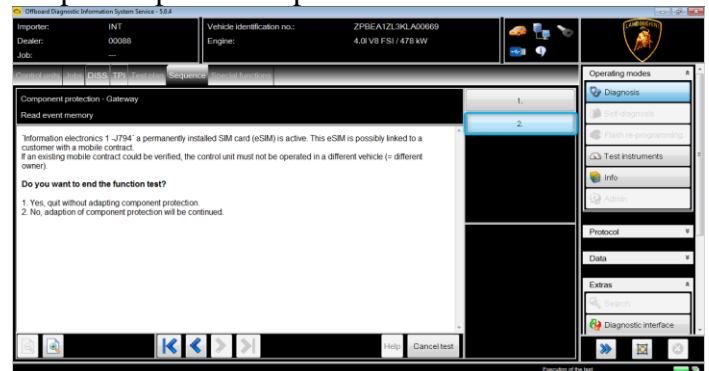
52. Perform function “19 – Component protection gateway (all ECUs)” from the “Test plan”. Follow the instructions given in the workshop manual at the following path: *Lamborghini Portal* → *Workshop manual* → *Repair manuals* → *Urus* → *MY 19 Urus* → *Chapter 10 Diagnosis* → *00 ODIS* → *Component protection*.

**IMPORTANT:**

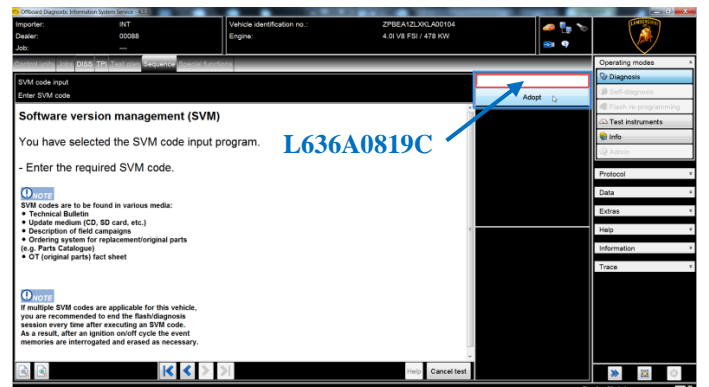
When the following message regarding execution of Component protection on the 5F control unit appears, remove any SIMs or SD-cards located in their slots under the armrest of the driver’s seat.



53. Select “2” when requested to continue the component protection procedure.



54. To carry out the update of control unit 19, you have to repeat the procedure from steps 1 to 12, using the code “L636A0819C” under step 3.

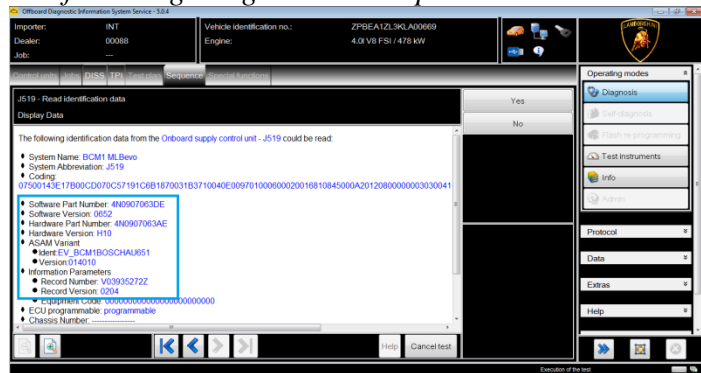


55. Select the function “19-Read identification data” from the “Guided functions” of control unit 19.



IMPORTANT:

The following image is an example.



56. Check that Software Part Number, Software version, Record Number and Record version installed are consistent with one of those specified in the “Table of reference for control unit 19” below.

Software Part Number	Software version	Record number	Record version
4N1.907.468.AA	0036	4ML909515B	18
4N1.907.468.AA	0037	4ML909515B	18
4N2.907.468.AA	0036	4ML909515B	18
4N2.907.468.AA	0037	4ML909515B	18

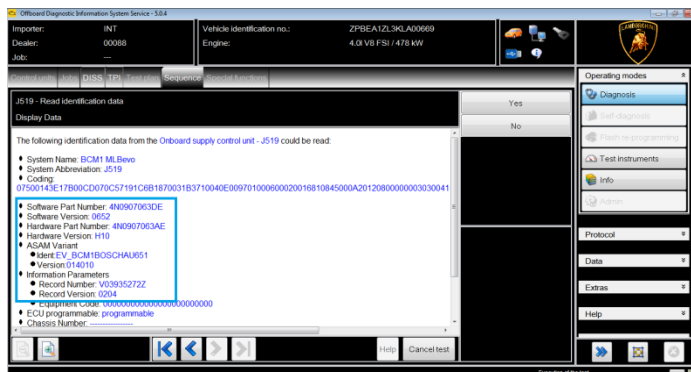
57. The function asks you to also identify the slaves of the control unit. Select “No”.

58. Select the function “A5 – Read identification data” from the “Guided functions” of control unit 5F.



IMPORTANT:

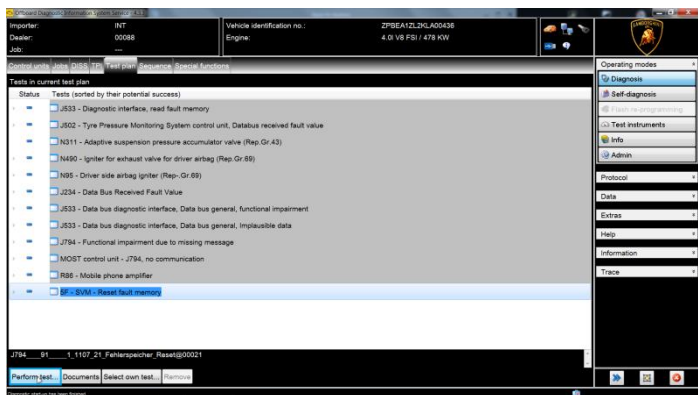
The following image is an example.



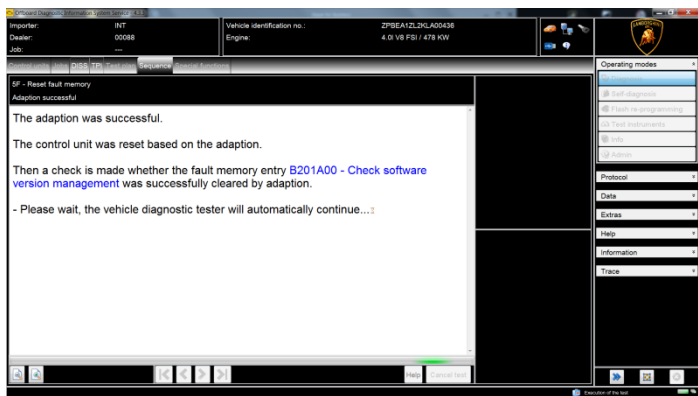
59. Check that Software Part Number, Software version, Record number and Record version installed are consistent with one of those specified in the “Table of reference for control unit 5F” below.

Software Part Number	Software version	Record number	Record version
4ML.035.064.B	9812	V03.935.290.AH	0015
4ML.035.063.B	9812	V03.935.290.AH	0015
4ML.035.067.B	9812	V03.935.290.AH	0015
4ML.035.069.B	9812	V03.935.290.AH	0015
4ML.035.029.B	9812	V03.935.290.AH	0015
4ML.035.084.B	9812	V03.935.290.AH	0015
4ML.035.058.B	9818	V03.935.290.AH	0015
4ML.035.088.B	9818	V03.935.290.AH	0015
4ML.035.090.B	9818	V03.935.290.AH	0015

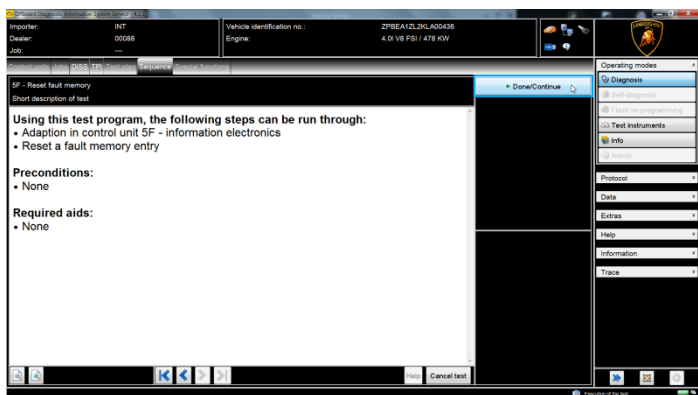
60. If the error "B201A00: Checking the Software Version” occurs, run the function attached to the “Test Plan”: "5F -SVM - Reset fault memory". Click on "Perform Test" to run the function.



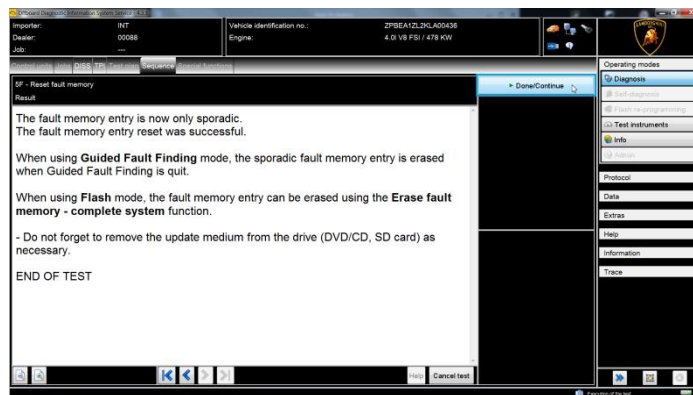
61. Wait for the automatic test procedure to complete.



62. Click “Done/Continue” to confirm the installation.

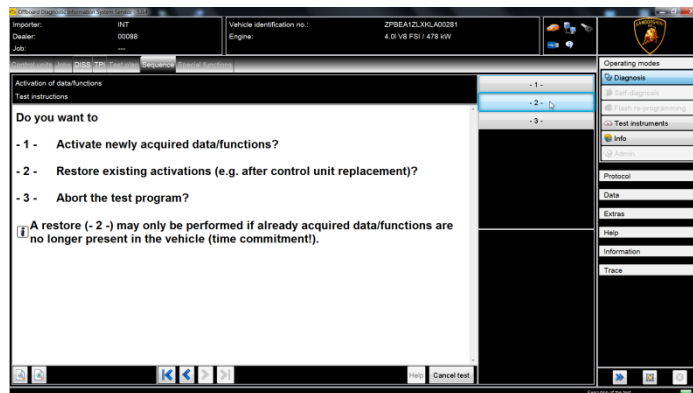


63. Click "Done/Continue" to terminate the procedure.



64. Perform the function “SVM Activations” from the “Test plan”.

65. Select option “2” when requested to enable already existing functions.



66. Select “Done/Continue” until the operation is completed.

67. Perform the function “19 – Battery adaption” from the “Test plan”. Follow the instructions given in the workshop manual at the following path: *Lamborghini Portal* → *Workshop manual* → *Repair manual* → *Urus* → *MY 19 Urus* → *Chapter 10 Diagnosis* → *19 Databus diagnostic interface* → *I-Guided Functions-Further Adaptations* → *19-Battery adaption*.

68. Perform the function “15 – Basic setting – Inertial sensors” from the “Test plan” and follow the instructions until the operation is completed.



69. Perform the function “19 – Deactivate flight mode” from the “Test plan” and follow the instructions until the operation is completed.
70. Perform the function “Erase overall fault memory” from the “Test plan”. Follow the instructions given in the workshop manual at the following path: *Lamborghini Portal* → *Workshop manual* → *Repair manuals* → *Urus* → *MY 19 Urus* → *Chapter 10 Diagnosis* → *00 ODIS* → *B-Deleting the data in the fault memory of control units*.
71. Save a diagnosis protocol (“long version”). Follow the instructions given in the workshop manual at the following path: *Lamborghini Portal* → *Workshop manual* → *Repair manuals* → *Urus* → *MY 19 Urus* → *Chapter 10 Diagnosis* → *00 ODIS* → *H-Saving the diagnostic protocol*.
72. Close the diagnosis session without saving it.
73. Disconnect the OBD socket from the vehicle.
74. Switch off the battery charger.
75. Leave the vehicle with the key OFF for at least 5 minutes, until the backlighting of the “ANIMA” selector has completely switched off.



76. Open a diagnosis session independent from the previous one. This operation is necessary in order to make updating the ODIS “Test plan” easier.

77. Ensure that the errors are all sporadic.

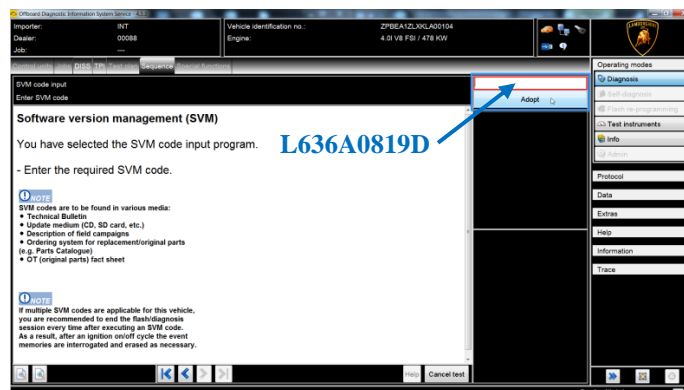


IMPORTANT:

If the errors are not sporadic, perform the functions in the “Test plan” only when the entire campaign is completed and perform the function “Erase overall fault memory” from the “Test plan”.

IV. Control unit 46 update:

78. To carry out the update of control unit 46, you have to repeat the procedure from steps 1 to 12, using the code “L636A0819D” under step 3.

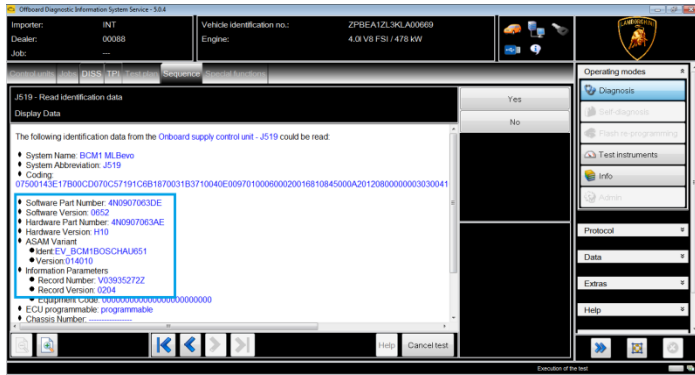


79. Select the function “46 - Read identification data” from the “Guided functions” of control unit 46.



IMPORTANT:

The following image is an example.



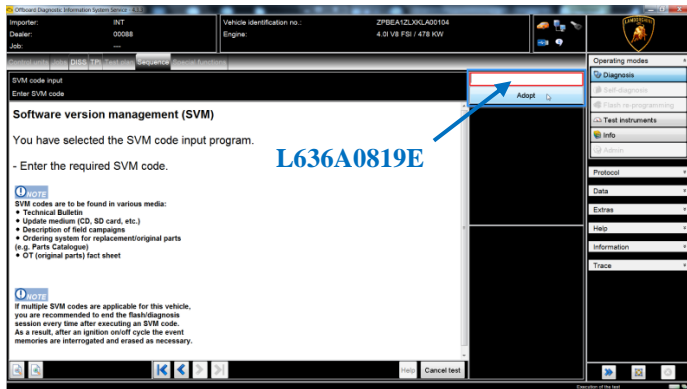
80. Check that Software P.N., Software version, Record number and Record version installed are consistent with one of those specified in the “Table of reference for control unit 46” below.

Software Part Number	Software version	Record number	Record version
8W0.907.064.FH	0405	V03935244YC	0023
8W0.907.064.FR	0405	V03935244YC	0023

81. The function asks you to also identify the slaves of the control unit. Select “No”.

V. Control unit A5 preconfiguration:

82. To carry out the preconfiguration of control unit A5, you have to repeat the procedure from steps 1 to 12, using the code “L636A0819E” under step 3.

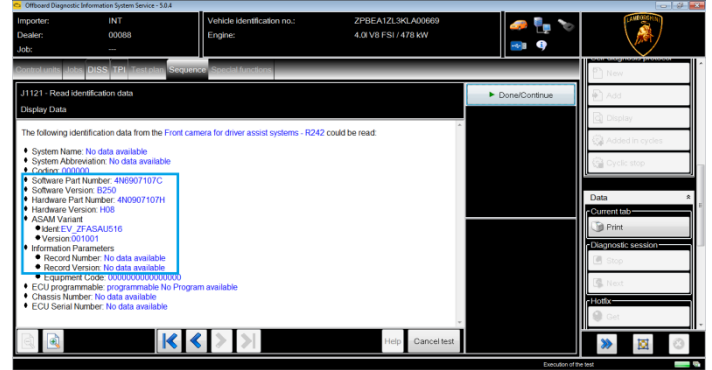


83. Select the function “A5 – Read identification data” from the “Guided functions” of control unit A5.



IMPORTANT:

The following image is an example.



84. Check that the “Software version” is “B250”.

85. Check which “Version” corresponds to the “Hardware Part Number” installed on the vehicle in the “Table of reference for identifying control unit A5 version”. Based on the control unit variant identified, follow the corresponding procedure indicated in the “Procedure” column of the following table.

Hardware Part Number	Version	Procedure
4N0.907.107.E	A0	VI
4N0.907.107.F	A	VI
4N0.907.107.G	B	V.A
4N0.907.107.H	C	V.A

86. The function asks you to also identify the slaves of the control unit. Select “No”.

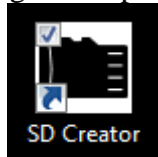


V.A Control unit A5 software download from SD-Creator:

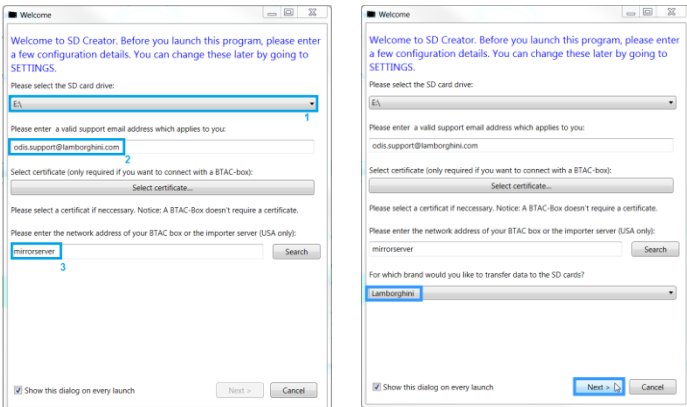
If the Hardware Part Number of the control unit A5 you have corresponds to “4N0.907.107.G” or “4N0.907.107.H”, you have to download the control unit A5 software using the SD-Creator tool.

Otherwise it is possible to continue the procedure from paragraph “F.Control unit A5 final update and update of control units 13, 3C, CF, DB, DC;

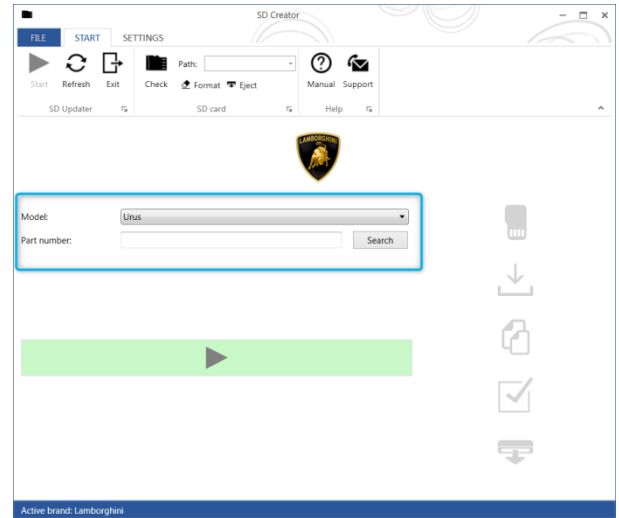
87. To download the software necessary for the updating procedure, open SD-Creator on your laptop by double-clicking on the program icon.



88. When the program starts, fill in the fields on the screen as explained in the installation package procedures "BI-09.17_[ENG]_SD-Creator".



89. You should fill in the Model and Part Number fields on the main page of SD-Creator:



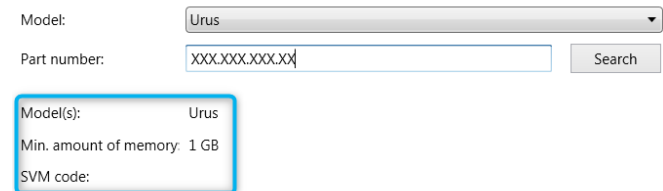
- I. Select the model, (Urus);
- II. Insert the USB stick and enter the Part Number relating to the “Version” of the control unit installed on your vehicle;

Version	Part Number	Target SW
B	616,530,014.25	0290
C	616,530,013.56	0290

The version of the A5 software suitable for the selected market will be downloaded after the selected Part Number is entered. Then click on “Search”.



90. If the Part Number is correctly entered, the model name and size required for the USB memory will be displayed after the search. For example:




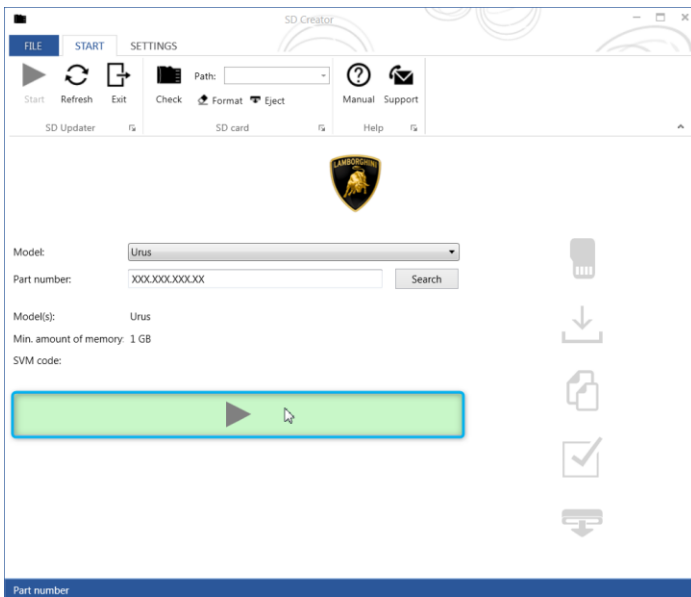



IMPORTANT:

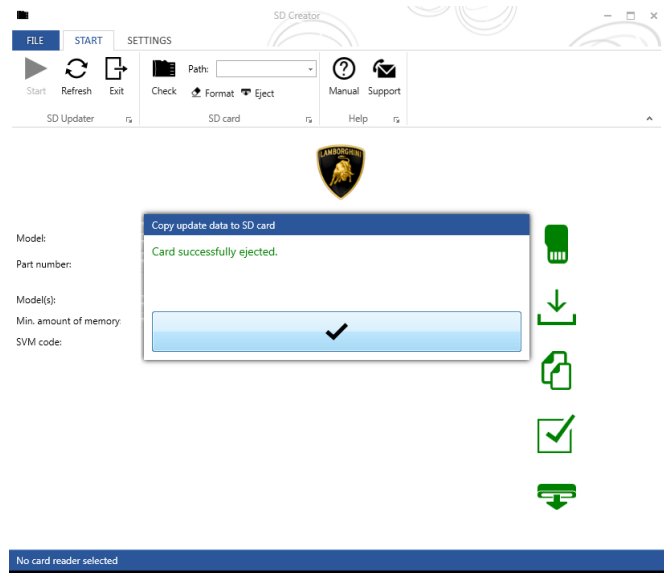
Before starting to create your software!

The process involves formatting the USB stick, which will cause any files stored on it to be lost. It is recommended to use a blank USB stick to ensure you do not lose any data. Make sure that the storage space available is greater or equal to what SD-Creator requires, as explained in step 90.

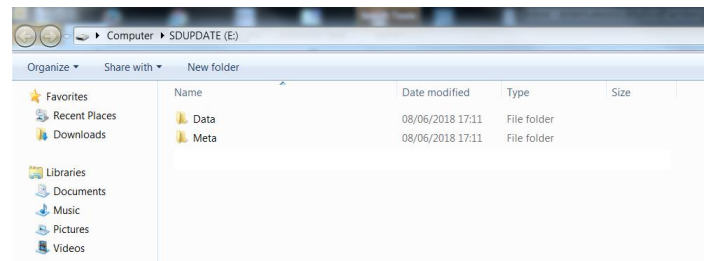
91. Click on the Start button, , to start the software downloading process. The software will be automatically saved on the USB stick.



92. At the end of the process, some green icons will appear on the right and positive feedback will be displayed, specifying that the downloading operation was successful. Click on the bar  to complete the downloading process. The USB memory stick will automatically disconnect from the laptop.



93. To check the result of the operation, remove and put back in the USB stick and make sure that the required software is present. The following image is an example of the folders created.



At this point, the downloaded software is available on the USB stick and is ready to be uploaded on the vehicle.

94. Move to the vehicle and insert the USB stick containing the downloaded software in one of the USB ports available under the armrest in the center console.



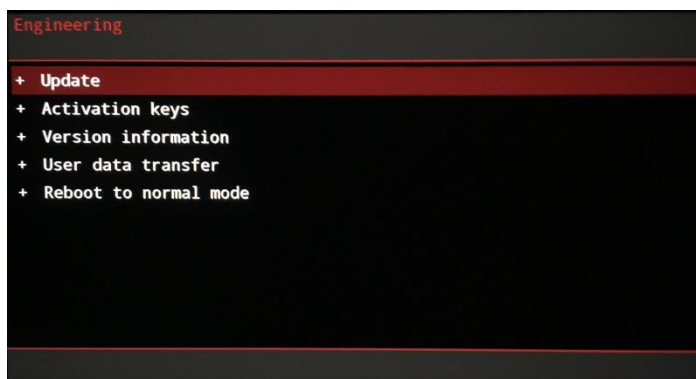
NOTE:

The main knob lets you navigate in the Red Menu. Turn the knob to scroll the menu and press to select an element.



95. You have to access the “Red Menu” in order to update the software. To access it, press the top right corner on the MMI screen with two fingers and keep it pressed for a few seconds. The MMI display will switch off momentarily. Wait for the display to automatically restart.

96. When the MMI is restarted, the Red Menu will be displayed. Select “Update” using the main knob.

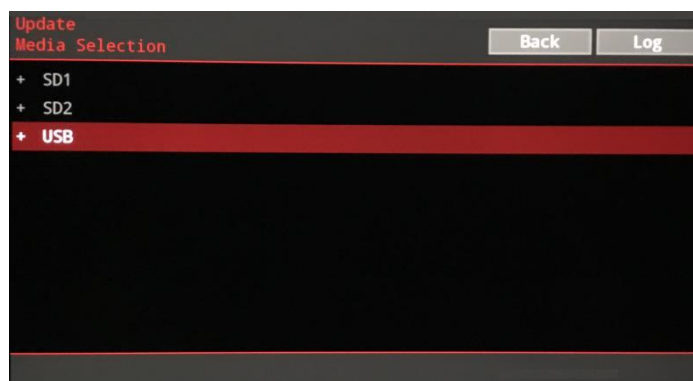


97. Insert the USB stick in one of the appropriate ports located in the center console under the arm-rest (the associated row is highlighted). Select the unit inserted to start the update.



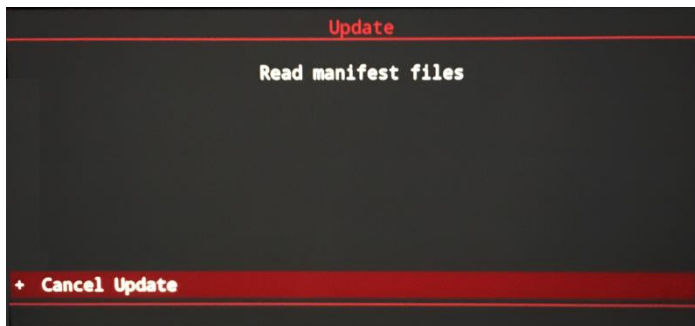
IMPORTANT:

The following images are an example.

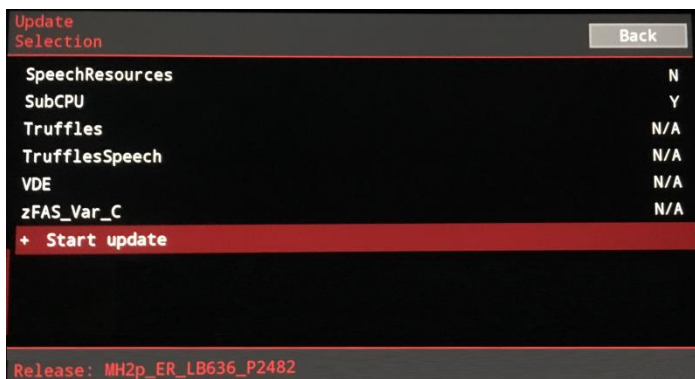
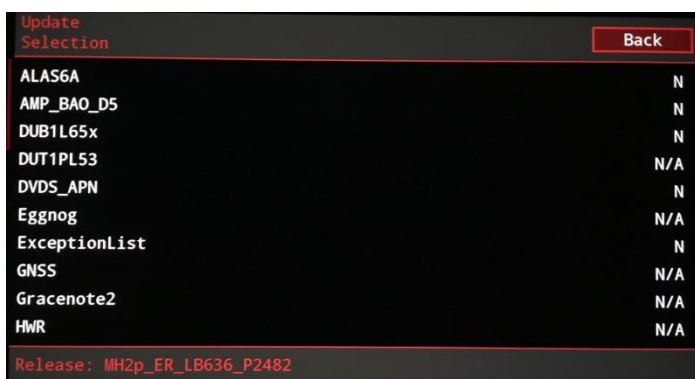




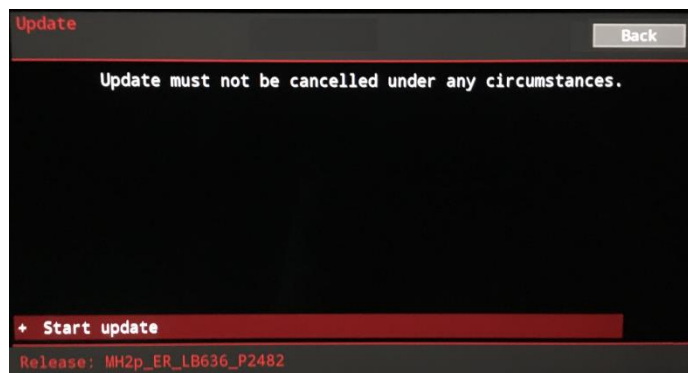
98. Wait for the automatic procedure. Do **NOT** interrupt the manifest file reading procedure by clicking on “Cancel Update”.



99. The files to be installed will be listed on the screen. Scroll through the items displayed in the MMI using the main knob until you select “Start update”.



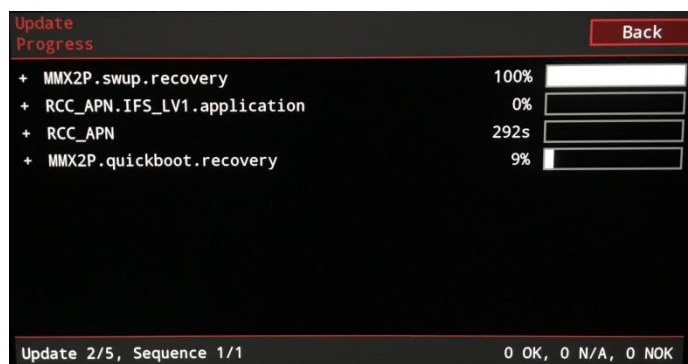
100. Start the software updating procedure by selecting “Start update”.



IMPORTANT:

The updating procedure must not be in any case whatsoever canceled.

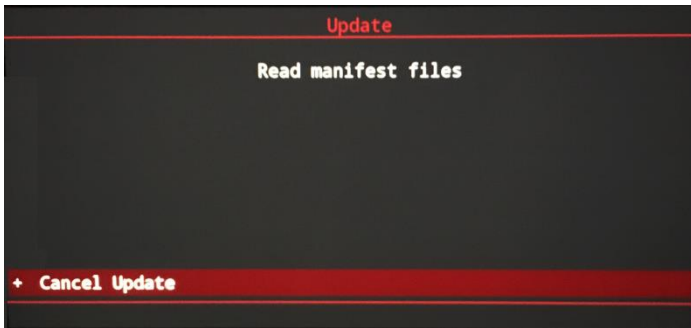
101. Wait for the updating procedure to complete.



102. The MMI unit display will restart when the software has been completely updated.



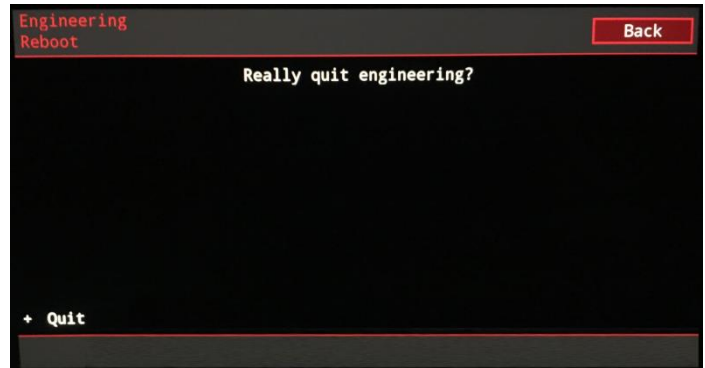
103. Wait for the automatic procedure. Do **NOT** interrupt the manifest file reading procedure by clicking on “Cancel Update”.



104. When the MMI is restarted, the file “Update Summary” will be displayed. Scroll down and click on “Resume”.



105. Click “Quit” to exit the “Red Menu”.



106. Switch the key OFF and then ON.



NOTE:

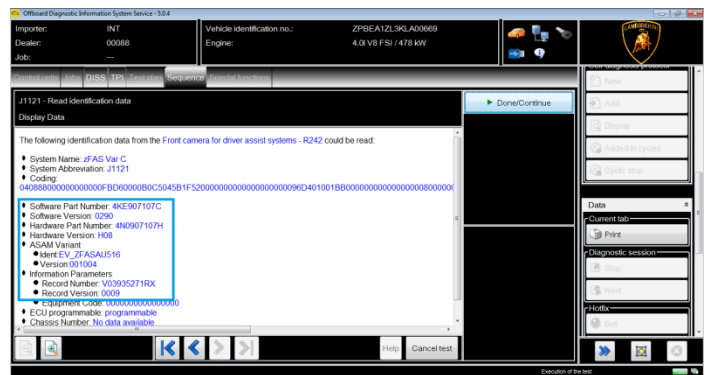
The MMI might have to be rebooted at the end of the specified procedures. This can be done by pressing and holding down the MMI knob.

107. Select the function “A5 – Read identification data” from the “Guided functions” of control unit A5.



IMPORTANT:

The following image is an example.





- 108.** Check that the Software Part Number and Software Version match one of those specified in the “**Control unit A5 software table of reference**” below.

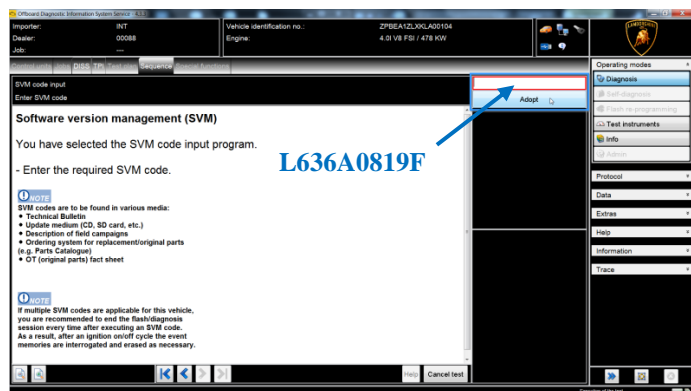
Control unit A5 software table of reference	
Software Part Number	Software version
4KE.907.107.A	0290
4KE.907.107.B	0290
4KE.907.107.C	0290

- 109.** The function asks you to also identify the slaves of the control unit. Select “No”.



VI. Control unit A5 final update and update of control units 13, 3C, CF, DB, DC, CF:

110. To carry out the final update of control units A5, 13, DB, DC, 3C, CF, you have to repeat the procedure from steps 1 to 12, using the code “L636A0819F” under step 3.

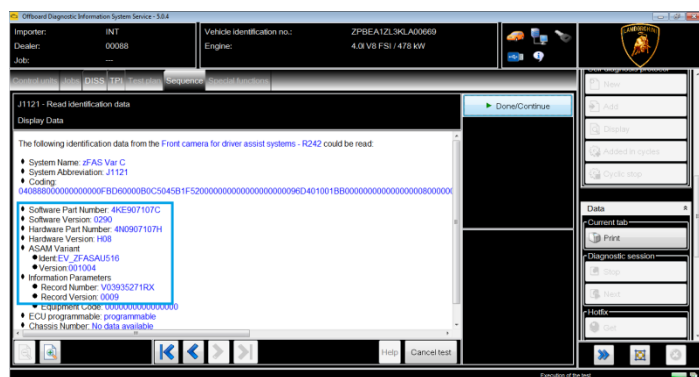


111. Select the function “A5–Read identification data” from the “Guided functions” of control unit A5.



IMPORTANT:

The following image is an example.



112. Check that Software Part Number, Software version, Record number and Record version installed are consistent with one of those specified in the “Table of reference for control unit A5” below.

Software Part Number	SW version	Record number	Record version
4KE.907.107.A	0290	V03935271RX	0013
4KE.907.107.B	0290	V03935271RX	0013
4KE.907.107.C	0290	V03935271RX	0013

113. The function asks you to also identify the slaves of the control unit. Select “No”.

114. Repeat the identification operation described under step 111 for the control units 13, DB, DC, 3C, CF.

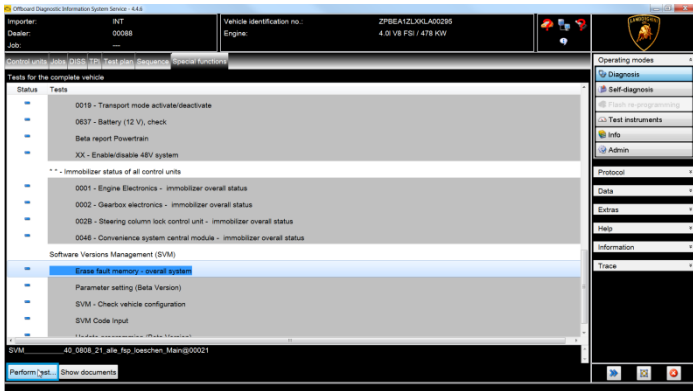
115. Check that the Software Part Number, Software version, Record number and Record version installed in the various control units are consistent with those specified in the “Table of reference for control units 13, DB, DC, 3C, CF, 5F” below, where these control units are present in the vehicle.

ECU	Software Part Number	SW version	Record number	Record version
13	4ML.907.561.A	0330	4ML909863A	0006
DB	4N0.907.669.F	0266	V03935278FA	0001
DC	4N0.907.669.F	0266	V03935278FB	0001
3C	4N0.907.566.F	0266	V03935278EY	0001
CF	4N0.907.566.F	0266	V03935278F	0001

102. The function asks you to also identify the slaves of the control unit. Select “No”.

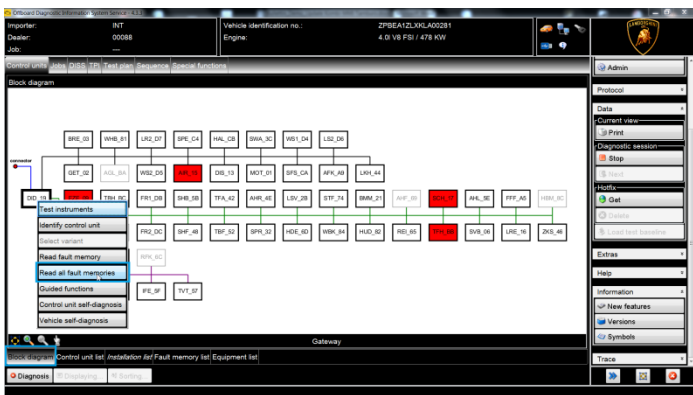
VII. Fault memory deletion

103. Select the “Special Functions” card and then “Erase fault memory - overall system” in order to delete all stored faults.



The complete guide for deleting faults is available in the workshop manual, chapter “**10.00.B-Deleting the data in the fault memory of control units**”.

104. Go back to the “Block diagram” card and select “Read all fault memories” from one of the vehicle’s control units in order to update the display of the faults present after deletion.



IMPORTANT:

Resolve any faults still present by performing the functions listed in the “Test plan”. Perform the procedure “G. Fault memory deletion” again until all faults are fully removed from the vehicle’s control units.

/* Saving a diagnostic protocol */

105. Save the Diagnostic protocol as described in the chapter “**10.00.H-Saving the diagnostic protocol**” when the procedure described in this document is completed.

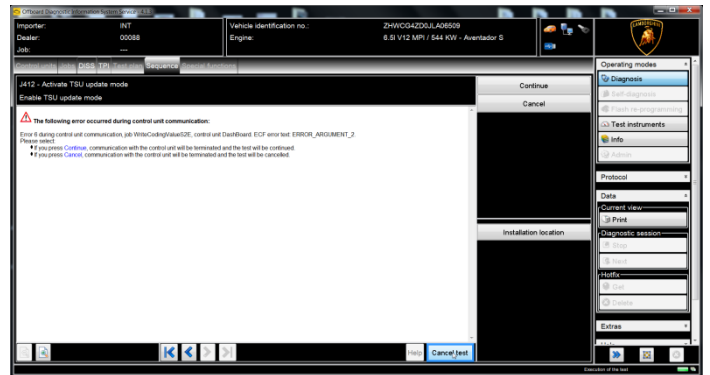


IMPORTANT:

The Diagnostic Protocol must be attached to the Corresponding Warranty Request (to enter the request on the web portal, refer to the W.Claim manual which you can consult in the Warranty section of the portal).

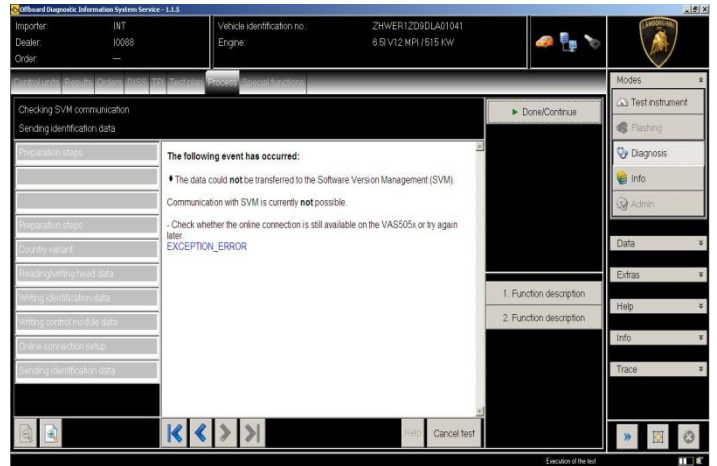
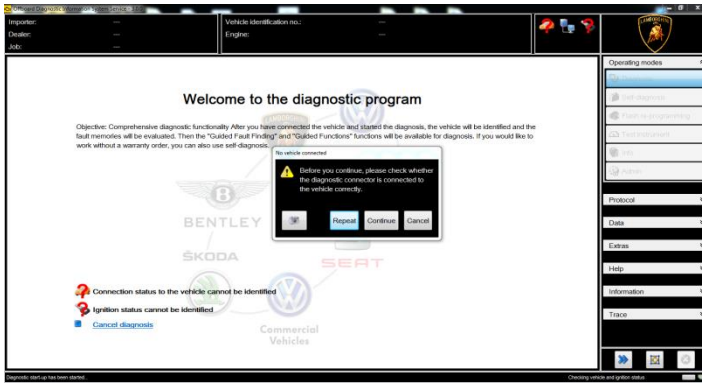
Troubleshooting:

- i. If the following error screen is displayed, abort the guided function by clicking on “Cancel Test” and contact Technical Support.



- ii. If an error is displayed that regards the hardware interface, and the "connection to vehicle" and "key state" icons appear as shown in the figure below:

- Click “Cancel”
- Repeat installation of the interface VAS5054/6154/6154A per the instructions in procedure (*) “VCI Manager v2.0”, selecting the right-hand “Extras” menu in ODIS and clicking on the “Diagnostic interface” button.

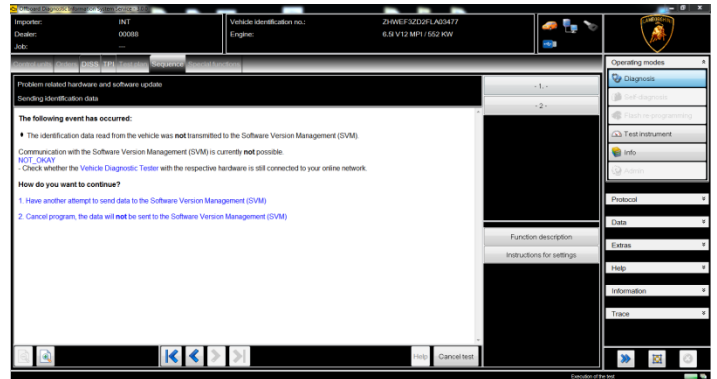
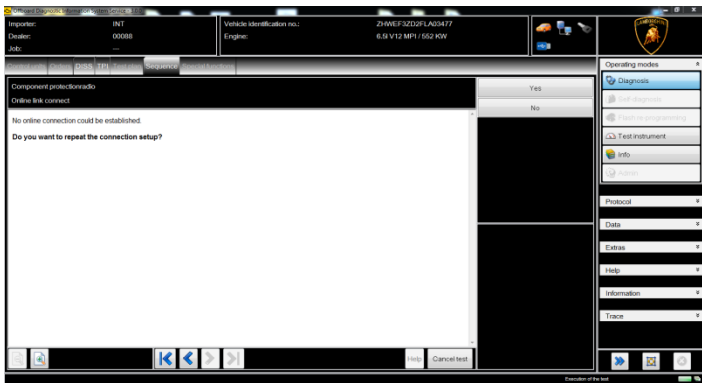


iii. If one of the following connection errors is displayed like in the following example screenshots:

- It is not possible to connect to the central server; check that your laptop is correctly connected to the Internet and retry by clicking on “Yes” or “Done/Continue”, as appropriate.

iv. If the connection is dropped during the course of the target/actual comparison during the SVM procedure:

- It is not possible to connect to the central server; check that your laptop is correctly connected to the Internet and retry by clicking on “1”.

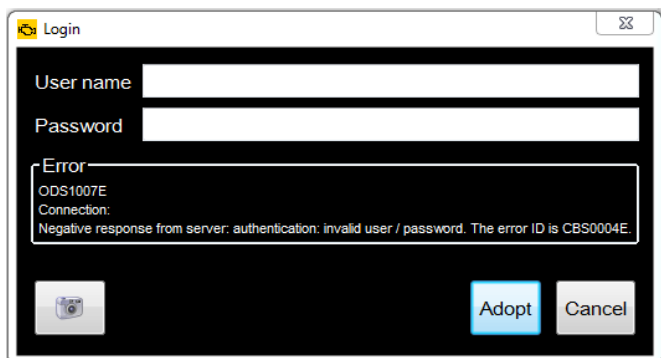


v. If the authentication error as shown in the following screenshot is displayed (error code: ODS1007E):

- Ensure you have a valid GeKO user account
- Ensure that the “Geko” label is printed on the token you are using
- Ensure you have entered the correct password

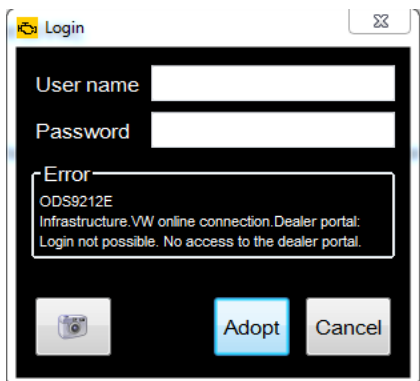


- Click on “Cancel” and run the application test (see document “ODIS_ControlloConnessione_Server_SVM_2.0” (*)).



vi. If the infrastructure error as shown in the following screenshot is displayed (error code: ODS9212E):

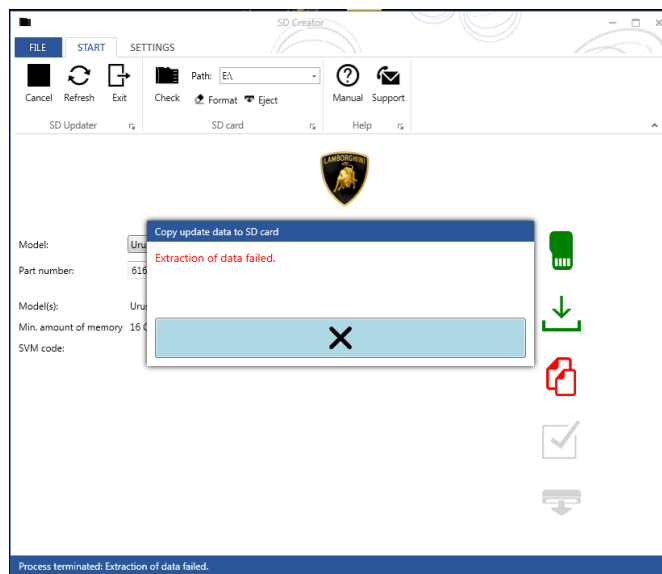
- Ensure you have a valid GeKO user account
- Ensure that the “Geko” label is printed on the token you are using
- Check that the Internet is set in ODIS settings and not CPN (see document “Set-up_Iniziale_ODIS_2.0” (*))
- Click on “Cancel” and run the application test (see document “ODIS_ControlloConnessione_Server_SVM_2.0” (*)).



vii. If the same error type should reoccur during the application test, try the following procedure:

- Exit ODIS
- Browse to the folder C:\Program Files (x86)\Offboard_Diagnostic_Information_System_Service\automatic_sessions on your diagnostic laptop
- Delete the only file which will be in the folder
- Restart ODIS Service, ensuring that:
 1. You have a network connection
 2. The ODIS connection is set to Internet
- Run the connection test again, and perform the SVM again with your GeKO Token.

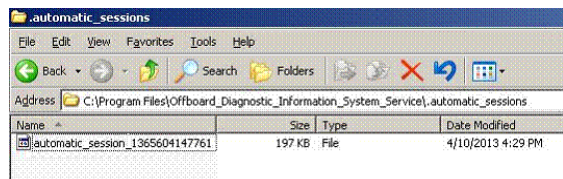
viii. If the following error should occur, it is necessary to follow the instructions given in **BI.25.18 (Rev.02)**, which can be downloaded on the Lamborghini HUB portal:





IMPORTANT:

If the error occurs again, repeat the procedure and try with a second GeKO token, if available.



NOTE^(*)

All ODIS technical documentation can be viewed on the Lamborghini web portal, in the corresponding ODIS section.



IMPORTANT:

The documents which must be provided with the warranty request are:

- *Produced Repair Order*
- *Saved Diagnostic Protocol.*

Failure to follow these procedures could lead to the request being rejected.