



To All Lamborghini Dealers and Licensed Service Point
From After Sales Department
Subject Engine and Gearbox Software Upgrade.
Group 10.02.00
Date 25th/10/2013
Pages 46

Subject

Engine and gearbox software upgrade.

Model

Lamborghini Aventador Coupè and Roadster MY 2012, 2013 and 2014 versions
LP700-4, from VIN CLA00091 to ELA02066

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

Information to the field

As a result of continuous product monitoring, Automobili Lamborghini Spa has found that sporadically, while under acceleration in automatic mode, the rev limiter may engage prematurely instead of upshifting.

Field solution

Upgrade the engine and related gearbox software.

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Warranty Claim data

In order to obtain the campaign reimbursement, access to Lamborghini Web Portal, Warranty section and fill in the Warranty Claim. It is possible to find the claim procedure on the W.Claim Manual you can even download from the Portal.

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.

Campaign Code: L83X-A.03.13
Campaign Description: Engine And Gearbox SW Upgrade
Cost Code: 50
Component Code: CCA00313
Trouble Code: 220
Labour Code: CCA0313100
Labour Time: 1 h

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

Automobili Lamborghini S.p.A.			
Campagne service assistenza e campagne di richiamo / Service-und Rückrufaktion / Service and Recall Campaign			
Service et campagne de rappel / Campaña de Servicio y Llamada a Taller			
Service/Service Service/Service Servicio	<input type="checkbox"/>	Richiamo/Rückruf Recall/Rappel Llamada a Taller	<input type="checkbox"/>
Numero/Number Number/Numero Número	<input type="text"/>		
Data/Datum/Date/Date/Fecha	<input type="text"/>		
Data riparazione/Reparaturdatum Repair Data/Date de réparation Fecha reparación	<input type="text"/>		
Eseguito dal Concessionario / Ausgeführt von der Vertragswerkstatt / Done by the Dealer Effectué par le concessionnaire / Efectuado por el Concesionario			
Firma / Unterschrift / Signature / Signature / Firma			
Service/Service Service/Service Servicio	<input type="checkbox"/>	Richiamo/Rückruf Recall/Rappel Llamada a Taller	<input type="checkbox"/>
Numero/Number Number/Numero Número	<input type="text"/>		
Data/Datum/Date/Date/Fecha	<input type="text"/>		
Data riparazione/Reparaturdatum Repair Data/Date de réparation Fecha reparación	<input type="text"/>		
Eseguito dal Concessionario / Ausgeführt von der Vertragswerkstatt / Done by the Dealer Effectué par le concessionnaire / Efectuado por el Concesionario			
Firma / Unterschrift / Signature / Signature / Firma			

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Workshop instructions



The instructions contained in this bulletin are based on ODIS Service diagnosis software (see information bulletin BI.05.13)

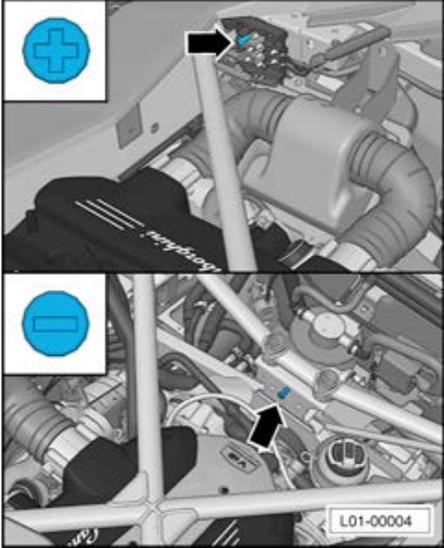
Preliminary operations:

1	<p>Assicuratevi di esservi sincronizzati recentemente con il Mirrorserver controllando la data di ultima sincronizzazione su:</p> <p>http://mirrorserver/welcome</p> <p>oppure su</p> <p>http://IP_address/welcome</p> <p>se non avete in precedenza definito l'alias per l'IP address del mirrorserver</p> <p> IMPORTANT Assicuratevi che l'ultima sincronizzazione sia stata fatta in una data successiva al 07 ottobre</p>	<p>You have successfully installed your MirrorServer/2 NOS-Box.</p> <p>Testing the connection to the configured Provider Server. Please wait a moment, this takes some time ...</p> <table border="1"> <thead> <tr> <th colspan="2">Configuration</th> </tr> </thead> <tbody> <tr> <td>Base path</td> <td>/var/www/desert</td> </tr> <tr> <td>Provider URL</td> <td>https://altair.mirrorserver2.net/deployment</td> </tr> <tr> <td>Repository URL</td> <td>https://altair.mirrorserver2.net/storage</td> </tr> <tr> <td>Feedback URL</td> <td>https://altair.mirrorserver2.net/health</td> </tr> <tr> <td>Proxy</td> <td>http://svc_blackbox:? @10.197.179.43:8080</td> </tr> <tr> <td>Key file</td> <td>/var/www/desert/certs/userkey.pem</td> </tr> <tr> <td>Certificate</td> <td>/var/www/desert/certs/usercert.pem</td> </tr> </tbody> </table> <table border="1"> <thead> <tr> <th colspan="2">Tests</th> </tr> </thead> <tbody> <tr> <td>Provider WebDAV access</td> <td>OK (/deployment/)</td> </tr> <tr> <td>Repository WebDAV access</td> <td>OK (/storage/)</td> </tr> <tr> <td>Feedback WebDAV access</td> <td>OK (/health/)</td> </tr> <tr> <td>Successful package downloads</td> <td>5</td> </tr> <tr> <td>Failed package downloads</td> <td>0</td> </tr> <tr> <td>Last Sync</td> <td>07-10-13 at 22-10-17</td> </tr> </tbody> </table>	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	http://svc_blackbox:? @10.197.179.43:8080	Key file	/var/www/desert/certs/userkey.pem	Certificate	/var/www/desert/certs/usercert.pem	Tests		Provider WebDAV access	OK (/deployment/)	Repository WebDAV access	OK (/storage/)	Feedback WebDAV access	OK (/health/)	Successful package downloads	5	Failed package downloads	0	Last Sync	07-10-13 at 22-10-17
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Feedback URL	https://altair.mirrorserver2.net/health																															
Proxy	http://svc_blackbox:? @10.197.179.43:8080																															
Key file	/var/www/desert/certs/userkey.pem																															
Certificate	/var/www/desert/certs/usercert.pem																															
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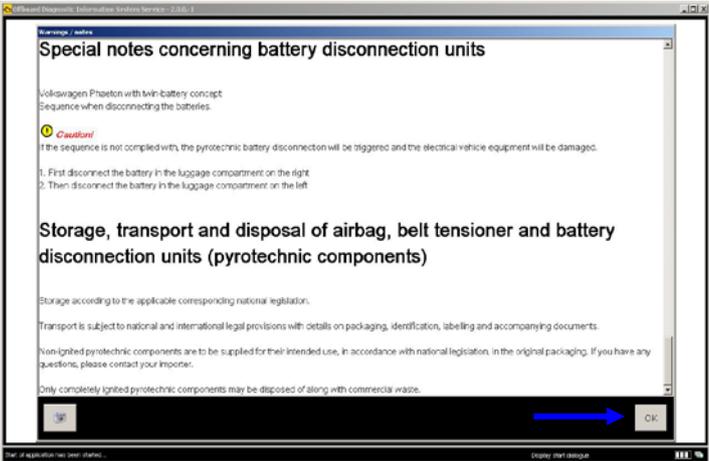


Update procedure:

<p>1</p>	<p>Please connect a battery charger to the recharge points available in the engine bonnet, as shown in the picture beside.</p>	
<p>2</p>	<p>Please connect the VAS5054 interface to the vehicle's OBD plug and to the diagnostic laptop.</p> <p>Turn the ignition ON</p>	

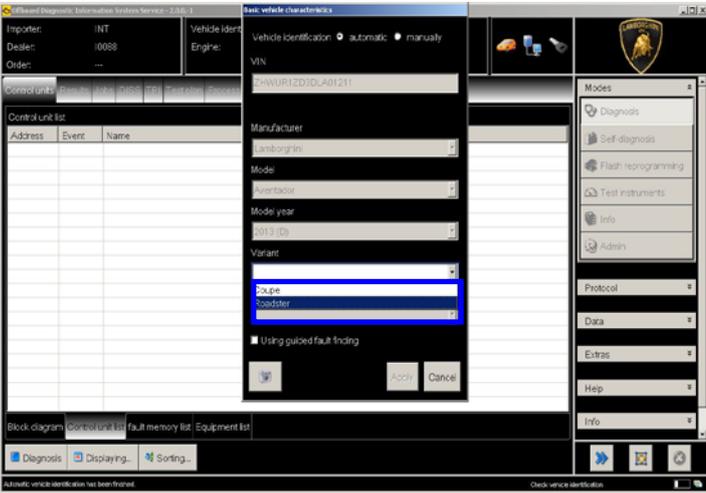
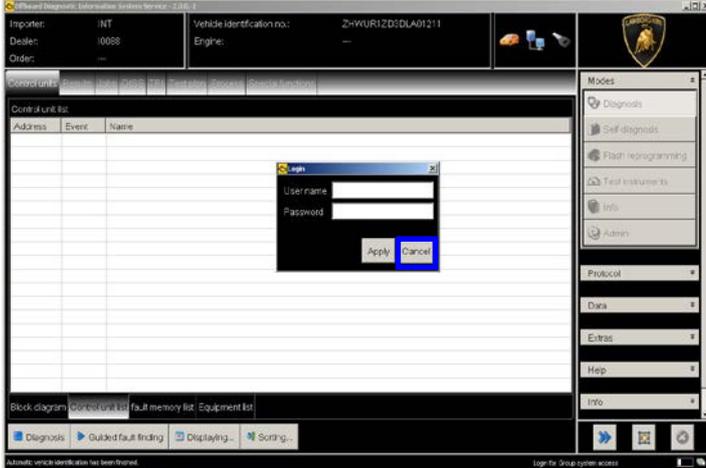
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<p>3</p>	<p>Start the ODIS Service double clicking on the related icon on the desktop of the diagnosis laptop.</p>	
<p>4</p>	<p>Select Offboard Diagnostic Information System Service clicking on it.</p>	
<p>5</p>	<p>Scroll down the right side vertical bar. Click on “OK” to hide the general information window.</p>	

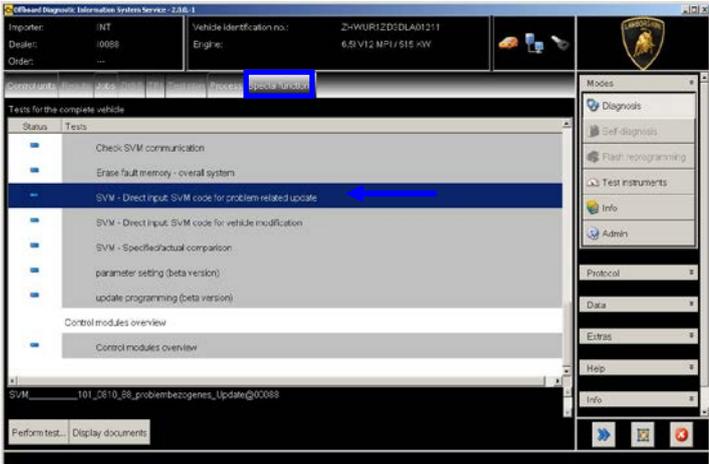
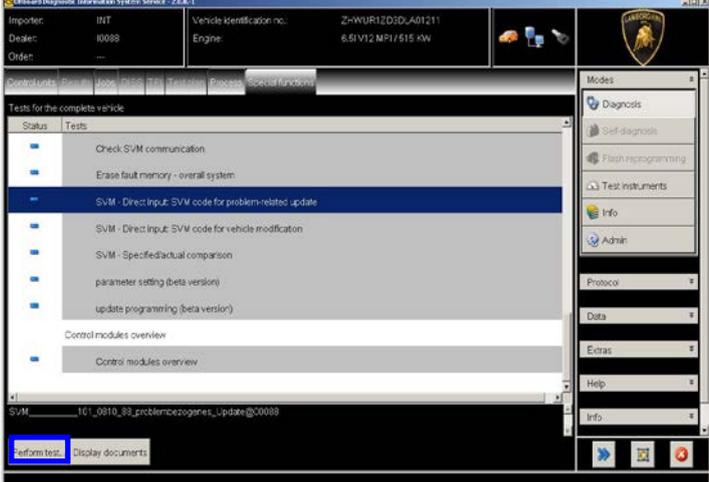
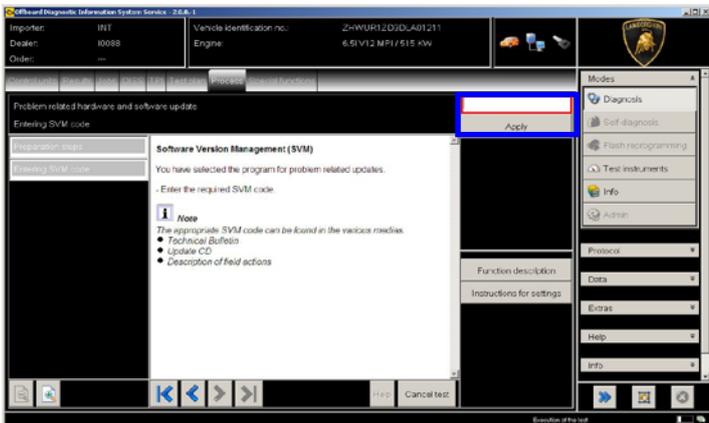
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<p>6</p>  <p>Select “Start diagnosis”.</p> <p>Make sure that ODIS can detect the vehicle connection status and the key ON.</p>		
<p>7</p> <p>Check the vehicle identification on the window “Basic vehicle characteristics”.</p> <p>Select the Variant in the related menu</p> <p>Deselect the checkbox “Using guided fault finding”</p> <p>Click “Apply”</p>		
<p>8</p> <p>Skip the Login window by clicking “Cancel”</p>		

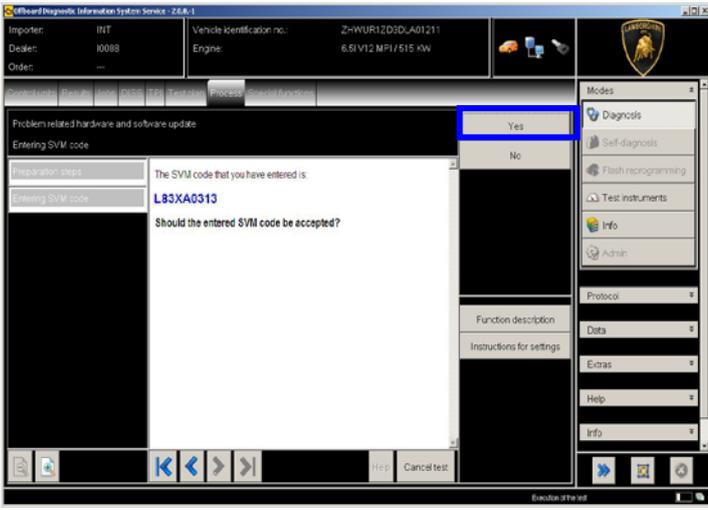
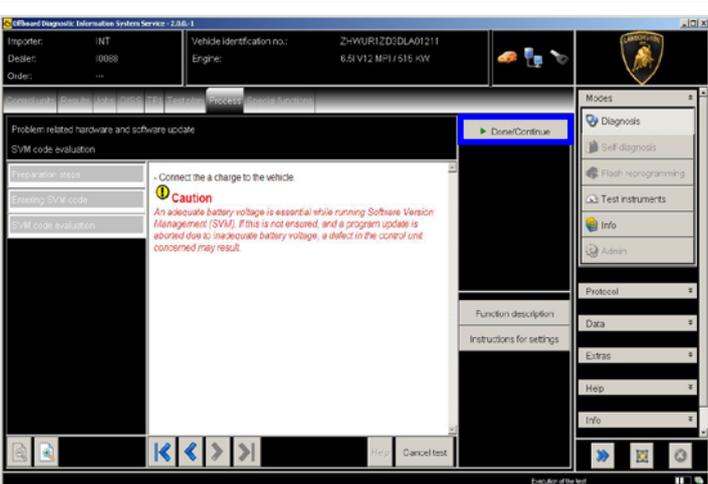
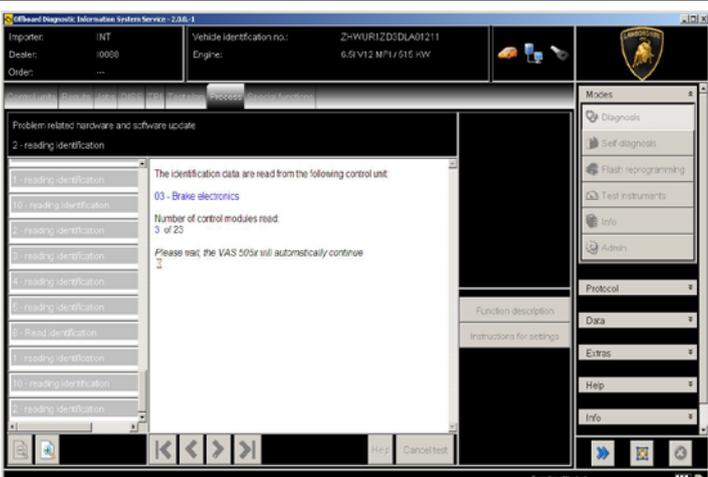
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<p>9</p>	<p>At the end of start-up procedure (see status in the progress bar bottom right), move on the ODIS tab “Special functions” now available.</p> <p>Select “SVM – Direct input: SVM code for problem related update” by clicking the related row with the mouse.</p>	 <p>The screenshot shows the ODIS 'Special Functions' menu. The 'SVM - Direct input: SVM code for problem-related update' option is highlighted with a blue arrow pointing to it. The interface includes a top header with vehicle information and a right-hand sidebar with various diagnostic modes.</p>
<p>10</p>	<p>Click “Perform test...” to execute the SVM function</p>	 <p>The screenshot shows the ODIS interface with the 'SVM - Direct input: SVM code for problem-related update' option selected. The 'Perform test...' button at the bottom left is highlighted with a blue box.</p>
<p>11</p>	<p>Insert in the upper box with the cursor the code L83XA0313</p> <p>Click “Apply”</p>	 <p>The screenshot shows the 'Software Version Management (SVM)' dialog box. The 'Enter the required SVM code' field is highlighted with a red box, and the 'Apply' button is highlighted with a blue box. A note below the field states: 'The appropriate SVM code can be found in the various media: Technical Bulletins, Update CD, Description of field actions'.</p>

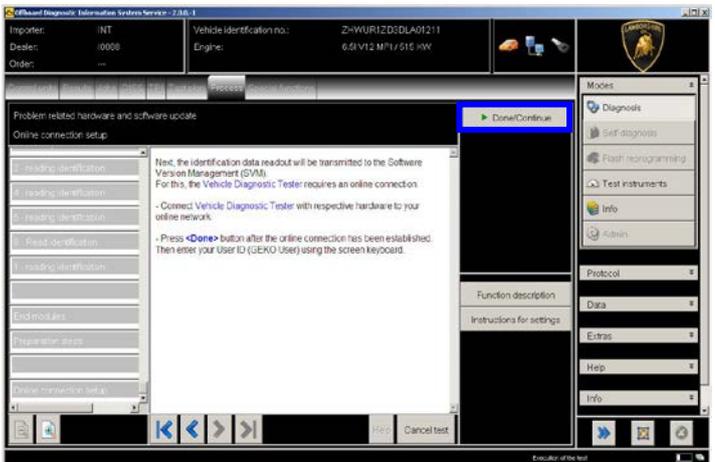
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12	Confirm that the inserted code is correct clicking on “Yes”.	
13	Click on “Done/Continue” to start the data acquisition from all the vehicle’s ECUs.	
14	Wait until the data acquisition from all control modules is completed.	

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<p>15</p>	<p>For the online authentication a valid GeKo account is necessary.</p> <p><u>Be sure that your internet connection is working properly.</u></p> <p>Click on “Done/Continue” to access the Login window.</p>	
<p>16</p>	<p>Insert your GeKo user name in the field “Login” and the pin 1324 + current 6 digit code displayed on your GeKo token in the field Password.</p> <p>Then confirm clicking on “Apply”.</p>	

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The communication is then established with the central server. At the end of communication you can receive 2 possible feedbacks:

- update programming must be performed on one control module (1)

or

- update programming must be performed on 2 control modules (2)

or

- no software update required (3)

17

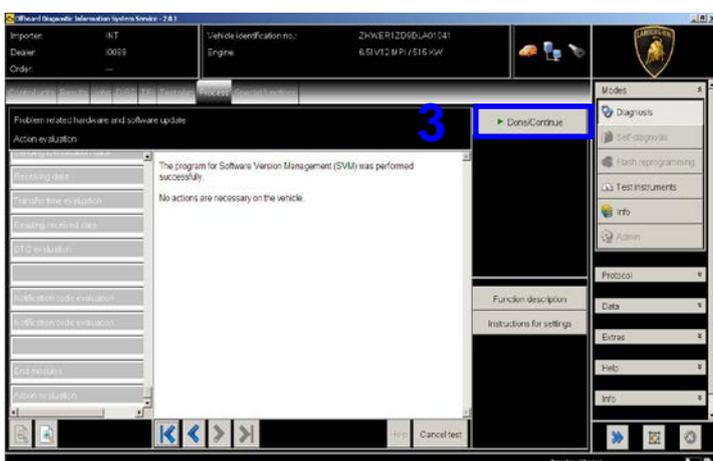
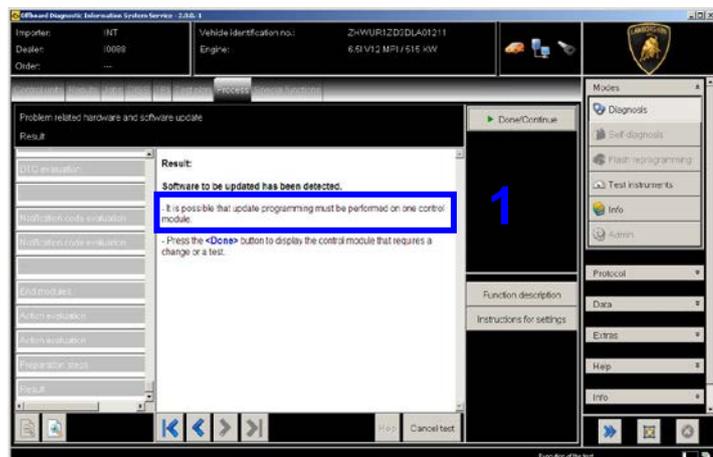
If the message (1) is shown, continue the procedure with the following instruction,

while

if the message (2) is shown, go to step 51 in order to continue the procedure.

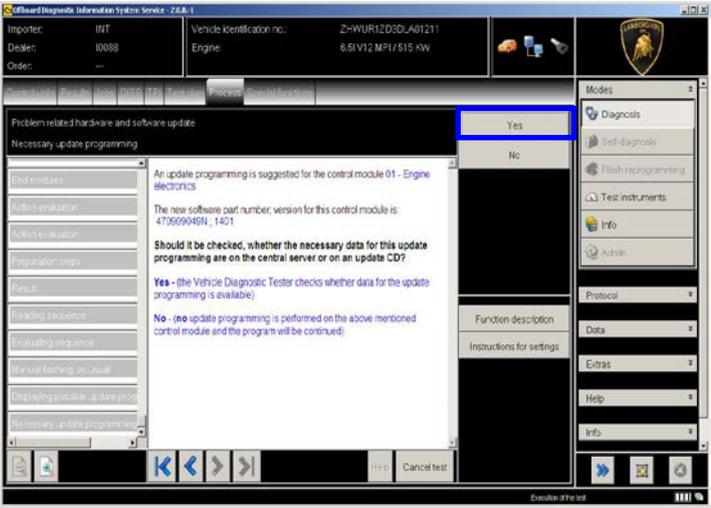
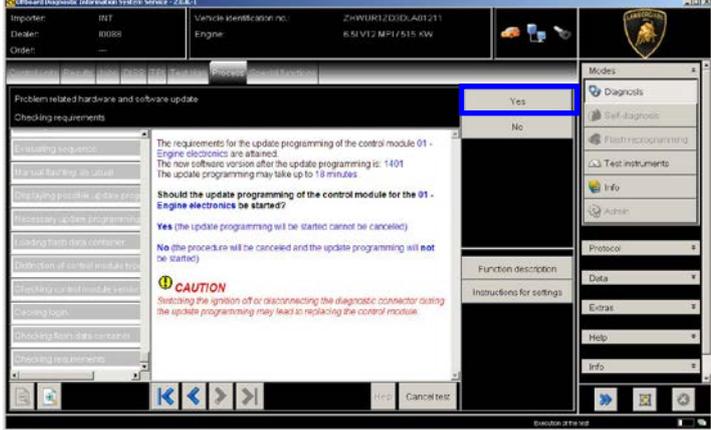
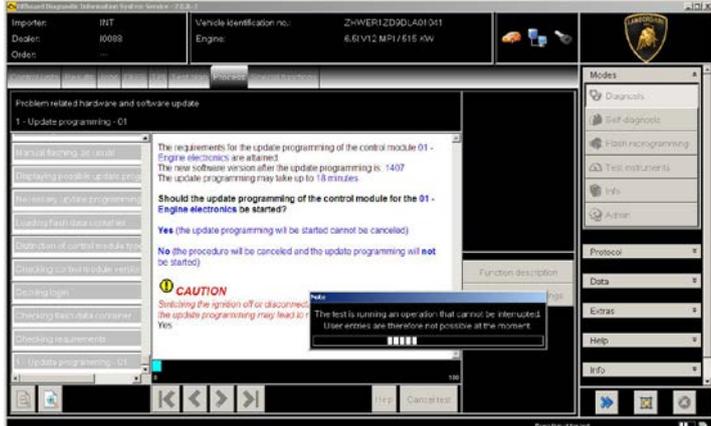
If the result (3) is displayed, the ECUs are already updated. In this case click “Done/Continue” to end.

Click on “Done/Continue”



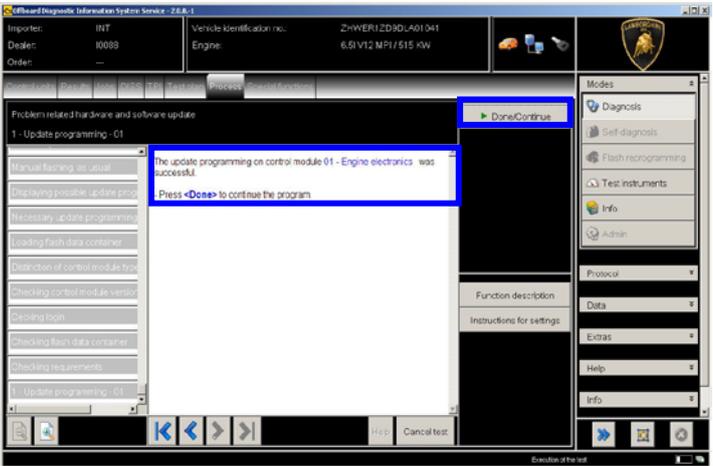
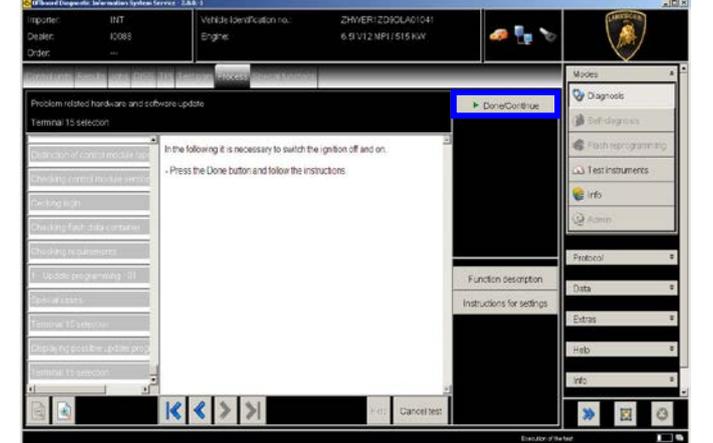
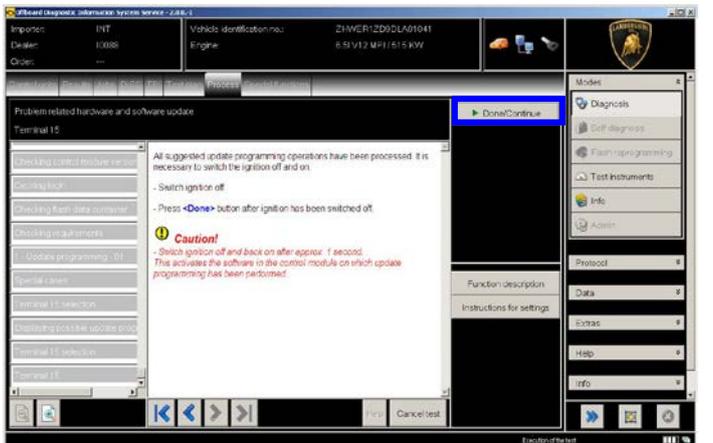
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<p>18</p>	<p>Displayed new engine software part number and version that will be different depending on the market and according to car's equipment.</p> <p>Click on "Yes" to continue.</p>	
<p>19</p>	<p>Click on "Yes" in order to start the update programming of Engine ECU.</p>	
<p>20</p>	<p>Wait until the update programming of the engine ECU is completed.</p>	

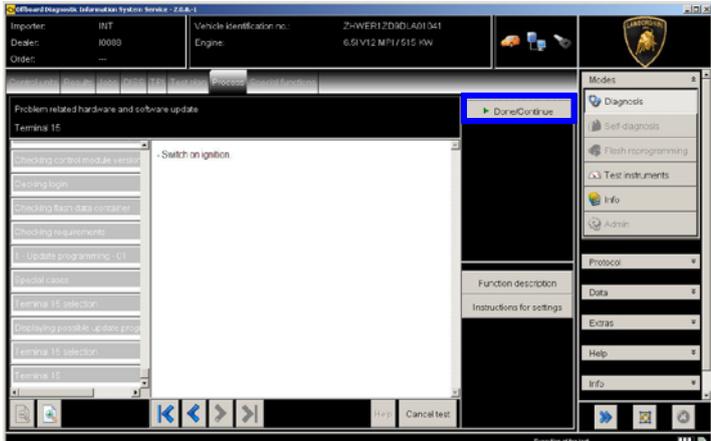
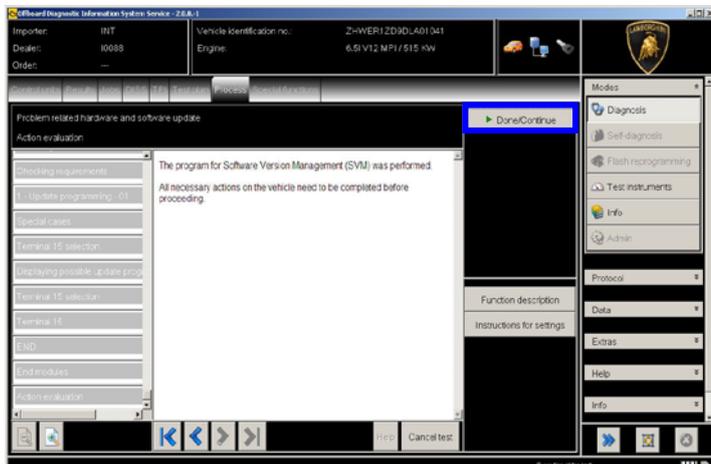
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<p>21</p>	<p>Once the update programming has been completed successfully a feedback as in the picture beside is displayed. Click “Done/Continue”.</p> <p>If the update programming has not been completed or has been unsuccessful:</p> <ul style="list-style-type: none">- turn the ignition OFF- wait 1 minute before turning the ignition ON again- if offered by the program: select “Repeat” to retry the update programming, otherwise repeat the procedure from step 9	
<p>22</p>	<p>In the following an ignition OFF – ON cycle is necessary to re-start both the ECU.</p> <p>Press “Done/Continue” to continue.</p>	
<p>23</p>	<p>Switch the ignition OFF.</p> <p>Press “Done/Continue”</p>	

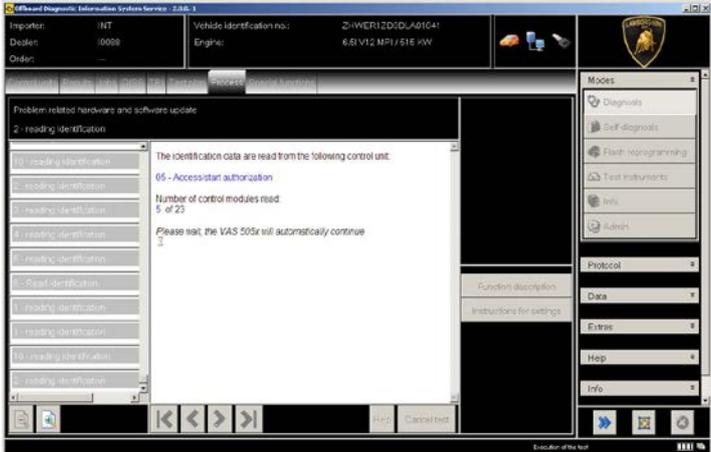
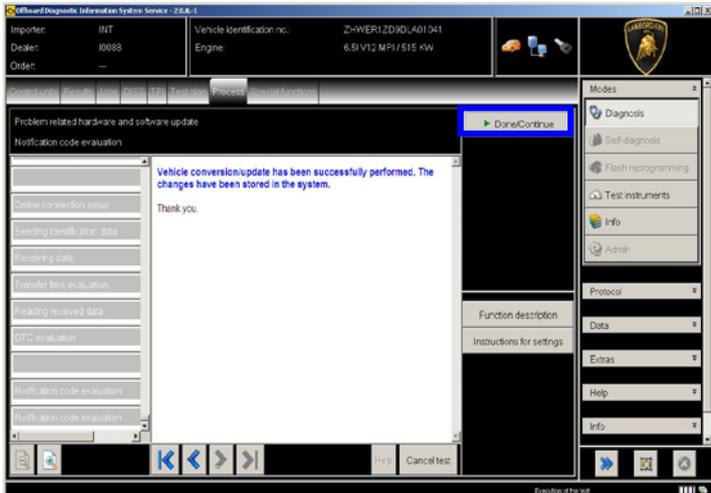
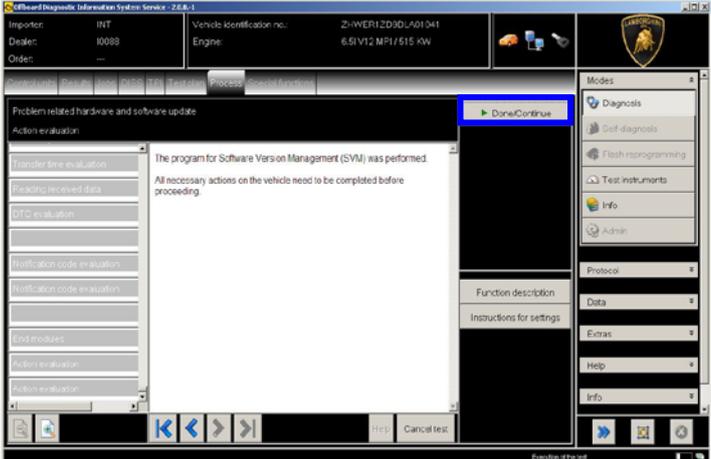
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24	<p><u>Wait 1 minute before switching the ignition back ON again.</u></p> <p>Then press “Done/Continue” to continue.</p>	
25	Press “Done/Continue”	
26	Press “Done/Continue” to start the data report.	

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<p>27</p>	<p>Wait until the data acquisition from all the control modules is completed.</p>	
<p>28</p>	<p>Once the data report has been sent to the servers a feedback as in the picture beside is displayed. The software update of engine ECU has been completed successfully and all the information have been stored in the system.</p> <p>Press “Done/Continue”.</p>	
<p>29</p>	<p>Press “Done/Continue” to exit the program.</p>	

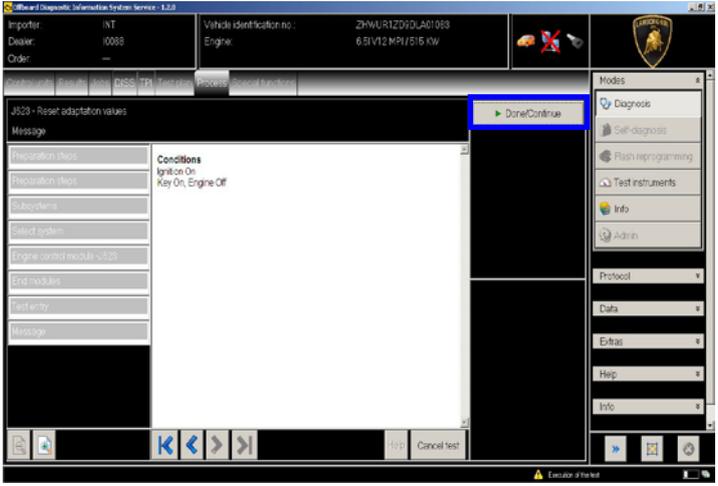
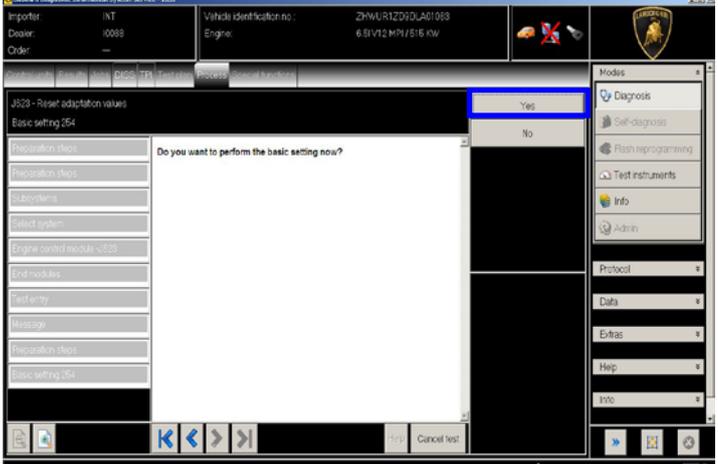
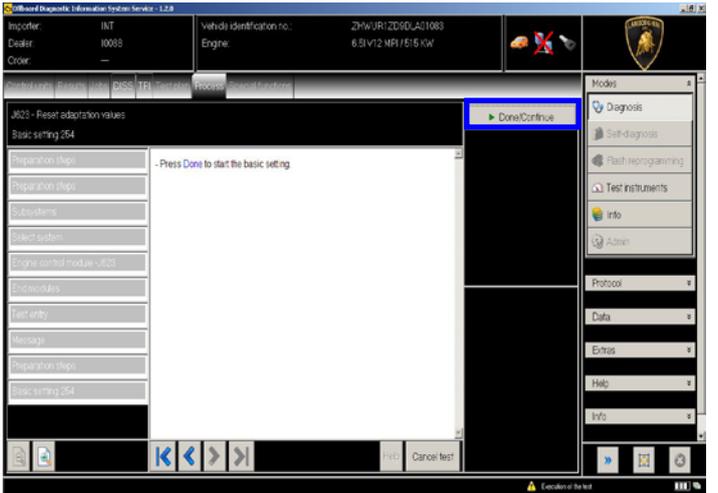
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<p>30</p>	<p>Go back to the tab “Special functions” and select “Erase fault memory – overall system” to clear all the faults stored because of the recent software update.</p>	
<p>31</p>	<p>Execute the program “Erase fault memory – overall system” clicking on “Perform test...”</p>	
<p>32</p>	<p>Go back to the Control Unit tab (block diagram or list view), to select the Engine ECU MOT_01 and the Guided Function 01 – Reset adaptation values</p> <p>Click “Execute” to start the procedure for resetting the adaptation values (Basic Setting 254)</p>	

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<p>33</p>	<p>Be sure the activation conditions are respected:</p> <ul style="list-style-type: none">- Key ON- Engine OFF- No faults stored in the Engine ECU's memory <p>Press "Done/Continue"</p>	
<p>34</p>	<p>Click "Yes" to continue</p>	
<p>35</p>	<p>Click "Done/Continue" to perform the basic setting</p>	

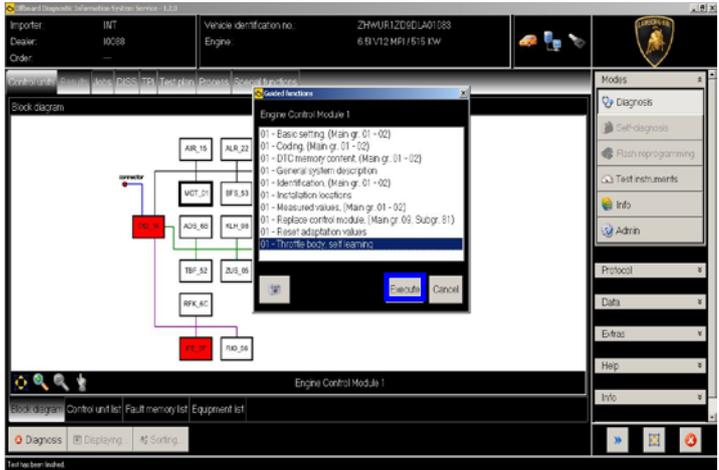
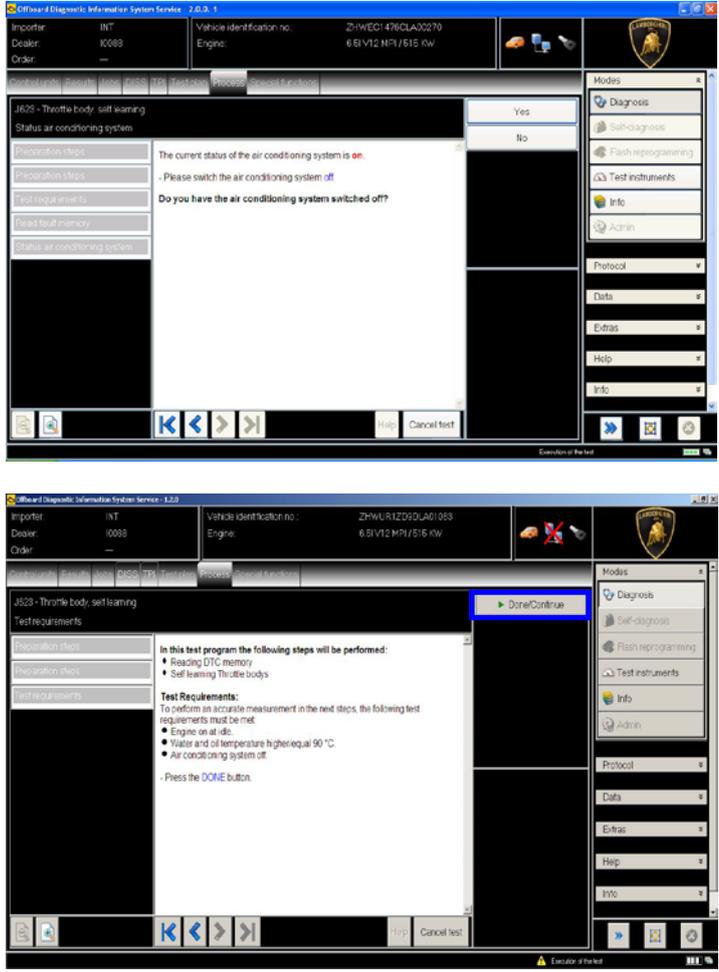
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<p>36</p>	<p>Wait until the feedback message is shown.</p> <p>If the procedure has been performed successfully the message “Syst.OK” will appear, as shown in the picture beside.</p>	
<p>37</p>	<p>If the procedure has not been performed successfully:</p> <ul style="list-style-type: none"> • turn the ignition OFF • wait at least 1 minute before turn the ignition ON again • repeat the program from step 32 <p>Click “Done/Continue” to exit the basic setting</p>	
<p>38</p>	<p>Go back to the Control Unit tab (block diagram or list view), to select the Engine ECU MOT_01 and the Guided Function.</p>	

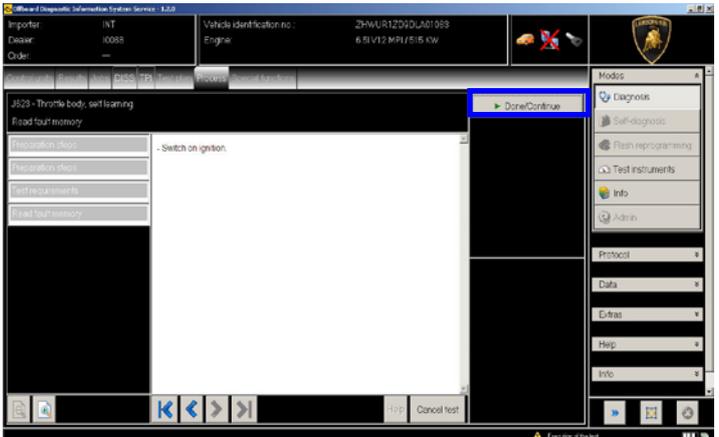
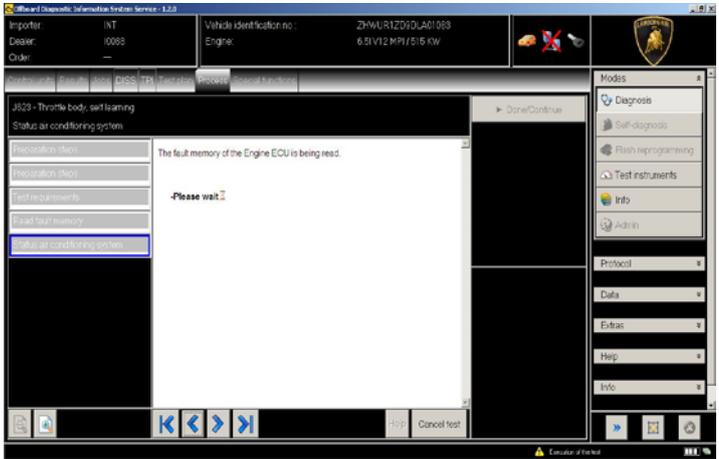
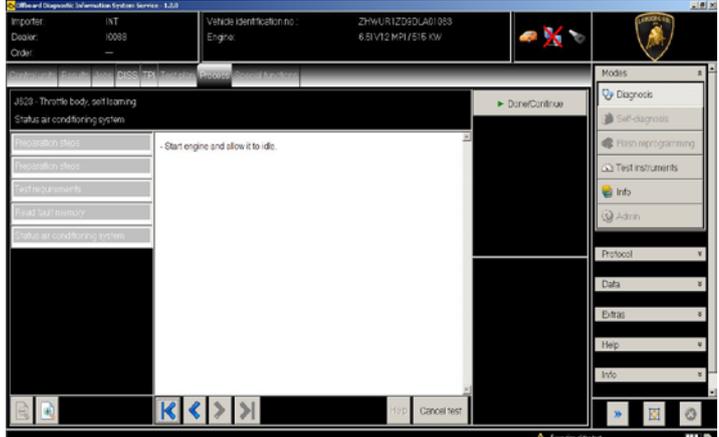
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<p>39</p> <p>Select the program “01 – Throttle bodies, self learning” And execute clicking on “Execute”.</p>	
<p>40</p> <p>Be sure that Air Conditioning is OFF</p> <p>The prerequisites for the test are summarized Press “Done/Continue”</p>	

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<p>41</p>	<p>Switch the ignition ON. Click “Done/Continue”</p>	 
<p>42</p>	<p>Start the engine at idle. Click “Done/Continue”</p>	

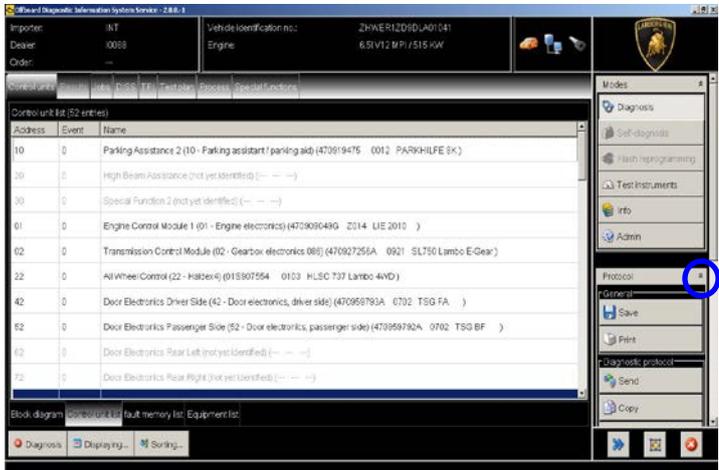
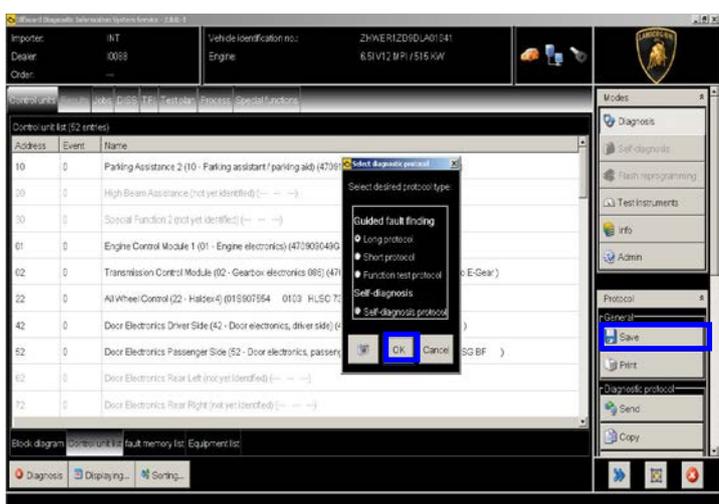
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<p>43</p>	<p>Self learning is an automatic procedure and it is activated when engine water and oil temperature exceed 90 °C</p> <p>Check the parameters from ODIS and wait until water and oil temperatures reach the target</p> <p>Don't perform any action on the car (e.g. pushing the accelerator pedal) if not necessary.</p>	
<p>44</p>	<p>Once reached the activation conditions (water and oil temperatures major than 90°C) the “Throttle body – Self learning enabling conditions flag” changes from 0 to 1 indicating the start of the self learning procedure.</p>	
<p>45</p>	<p>If the self learning is completed successfully a screen as in the picture beside is shown. Click “Done/Continue” to display the ignition advance values.</p> <p>If in 10 minutes from the activation the procedure has not been completed, interrupt and:</p> <ul style="list-style-type: none">• Switch the ignition OFF• Wait 1 minute before redo the ignition ON• Restart the procedure from step 38	

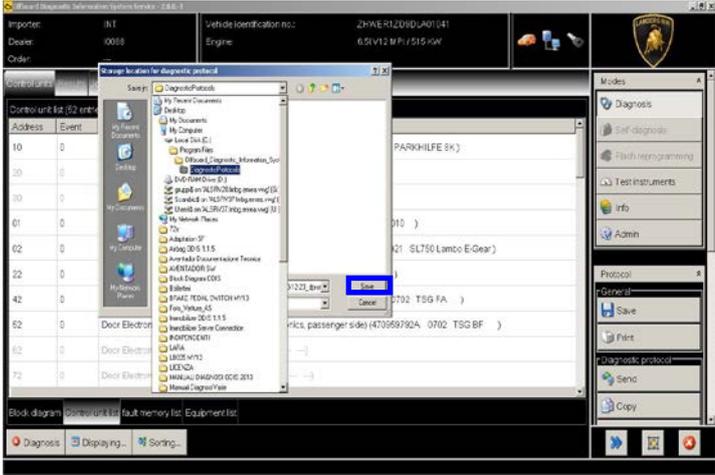
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<p>46</p> <p>Have a look to the ignition advance values, that must be inside the range $[-2^{\circ} 3^{\circ}]$</p> <p>In the case those values were outside the range, restart the procedure from step 38 after an ignition switch OFF for at least 1 minute.</p> <p>Switch the engine OFF and press “Done/Continue” to exit the program.</p>	
<p>47</p> <p>At the end of previous steps, expand the menu “Protocol” on the right side (menu bar)</p>	
<p>48</p> <p>Click “Save” in the subgroup of buttons “General”</p> <p>In the diagnosis protocol window under GFF select</p> <ul style="list-style-type: none">• Long protocol <p>by clicking on it</p> <p>Then click “OK”</p>	

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<p>49</p>	<p>Select the position where you want to save the diagnosis protocol on your diagnosis laptop</p> <p>(default path can be changed under Admin and is set under ODIS Service installation folder)</p> <p>Diagnosis protocol format is internet (.htm)</p> <p>Click “Save” to save the protocol.</p>  <p>Click “Print” in the subgroup of buttons “General” to print the protocol directly on a pdf file (if available Adobe pdf) or in paper format by sending to an installed network printer.</p>	
<p>50</p>	<p>The diagnosis protocol has to be attached to the related Warranty Claim</p> <p>(in order to insert the claim on the Web Portal, please refer to W.Claim Manual you can find under the Portal, Warranty section)</p>	

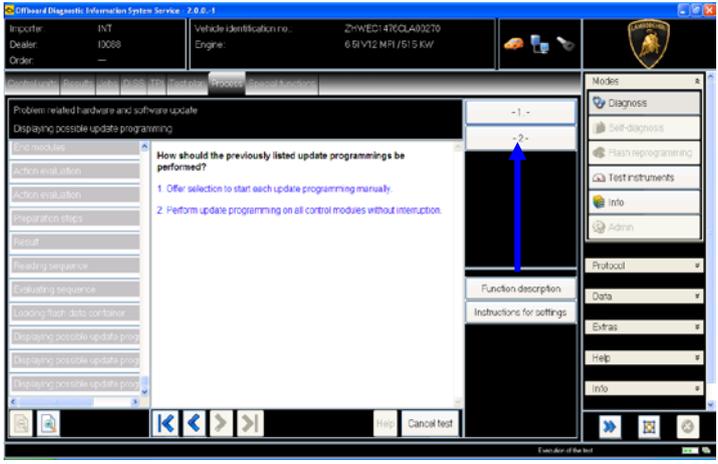
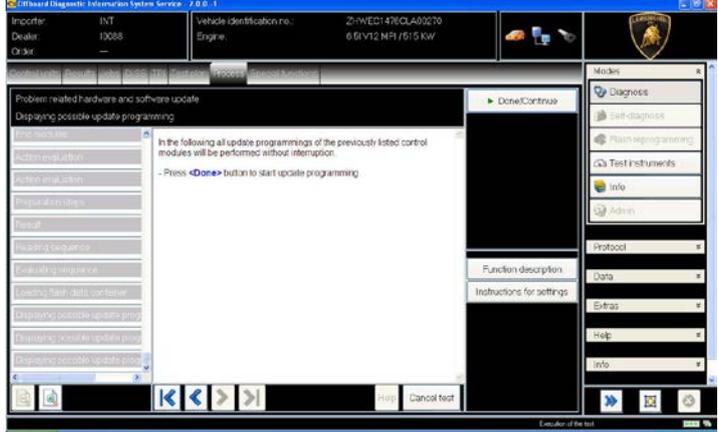
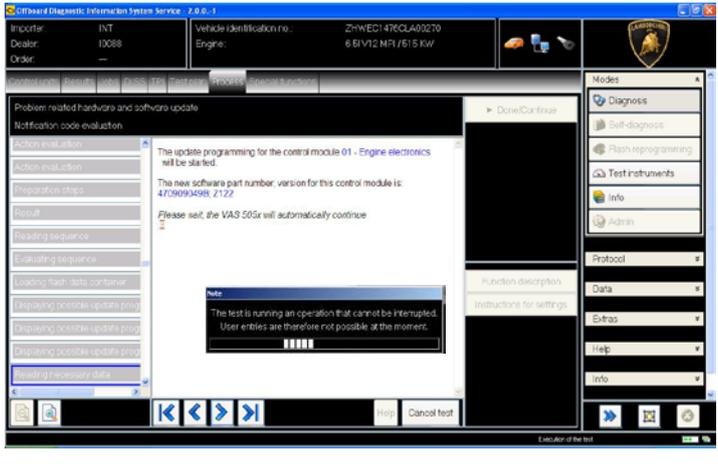
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<p>51</p>	<p><u>Continue from step 17</u></p> <p>All the necessary files are available on the Mirrorserver; it is listed the software update of 2 ECUs</p> <p>Click “Done/Continue”.</p>	
<p>52</p>	<p>Displayed new engine software part number and version that will be different depending on the market and according to car's equipment.</p> <p>Click “Done/Continue” to continue</p>	
<p>53</p>	<p>The new gearbox software part number and version will be 470927156; 0903</p> <p>Click “Done/Continue” to continue.</p>	

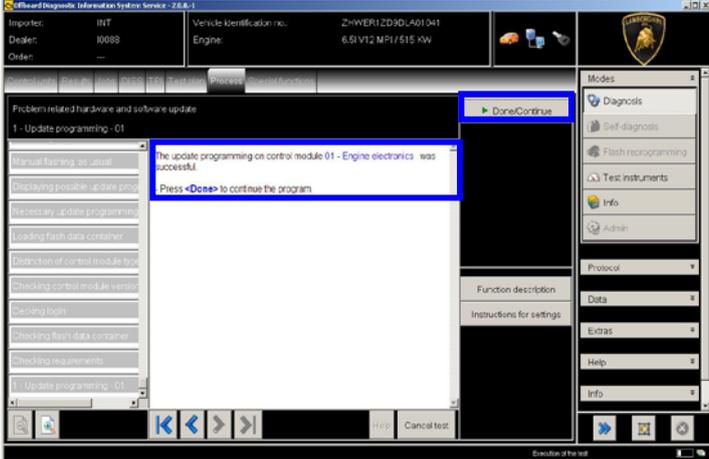
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54	Select the option no.2 “Perform update programming on all control modules without interruption”	
55	Click on “Done/Continue” to start the flash update for both ECUs	
56	Wait until the update programming of the engine ECU is completed	

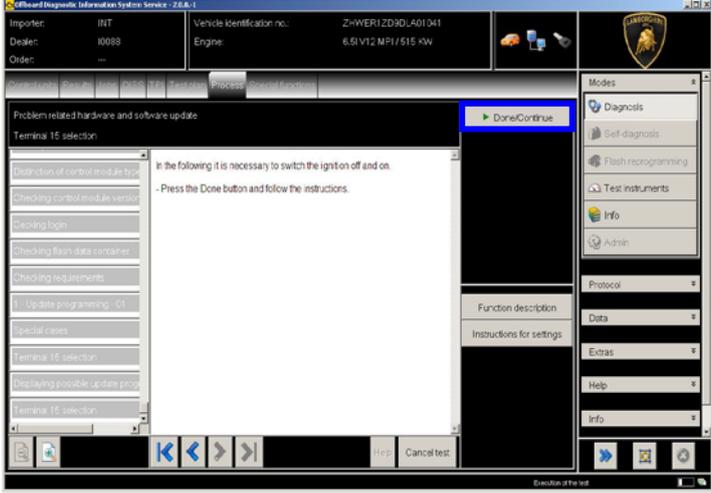
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<p>57</p>	<p>Once the update programming has been completed successfully a feedback as in the picture beside is displayed.</p> <p>Press “Done/Continue” to start the update programming of the gearbox ECU.</p> <p>If the update programming has not been completed or has been unsuccessful:</p> <ul style="list-style-type: none">- Turn the ignition OFF- wait 1 minute before turning the ignition ON again- if offered by the program: select “Repeat” to retry the update programming, otherwise repeat the procedure from step 9	
<p>58</p>	<p>Wait until the update programming of the gearbox ECU is completed.</p>	

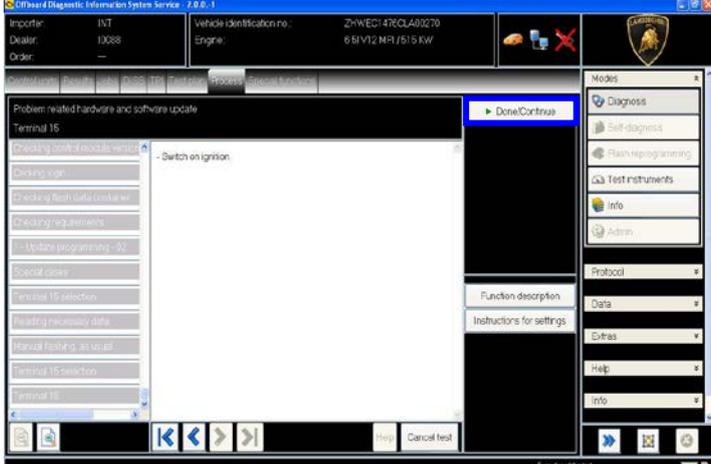
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<p>59</p>	<p>Once the update programming has been completed successfully a feedback as in the picture beside is displayed. Press “Done/Continue” to continue.</p> <p>If the update programming has not been completed or has been unsuccessful:</p> <ul style="list-style-type: none">- turn the ignition OFF- wait 1 minute before turning the ignition ON again- if offered by the program: select “Repeat” to retry the update programming, otherwise repeat the procedure from step 9	
<p>60</p>	<p>In the following an ignition OFF – ON cycle is necessary to restart both the ECUs.</p> <p>Press “Done/Continue” to continue.</p>	

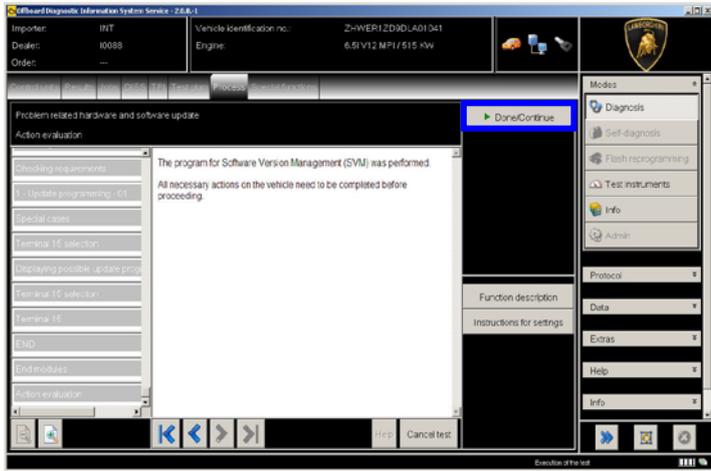
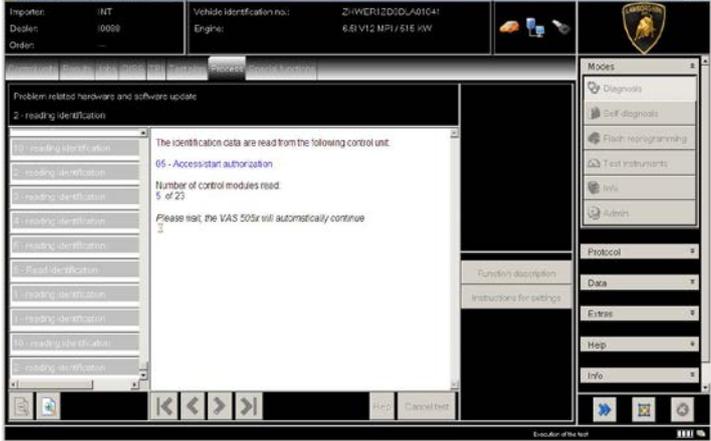
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61	Switch the ignition OFF.	
62	<p><u>Wait 1 minute before switching the ignition back ON again.</u></p> <p>Then press “Done/Continue”</p>	

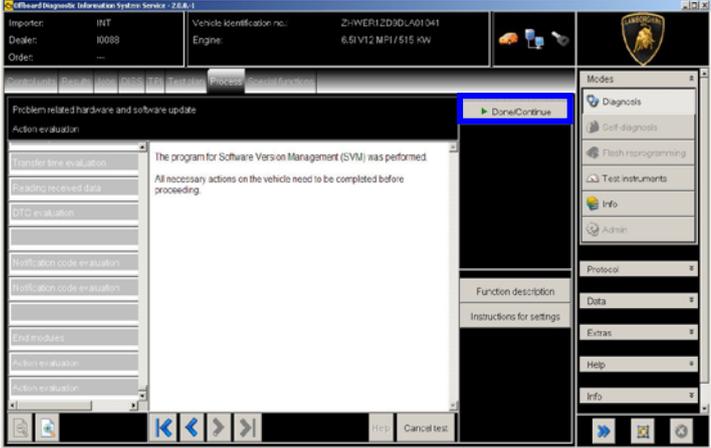
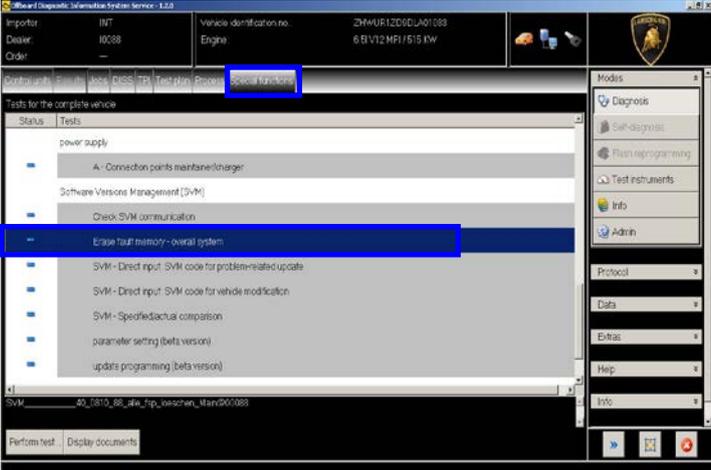
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<p>63 Press “Done/Continue”</p>		
<p>64 Press “Done/Continue” to start the data report</p>		
<p>65 Wait until the data acquisition from all the control modules is completed</p>		

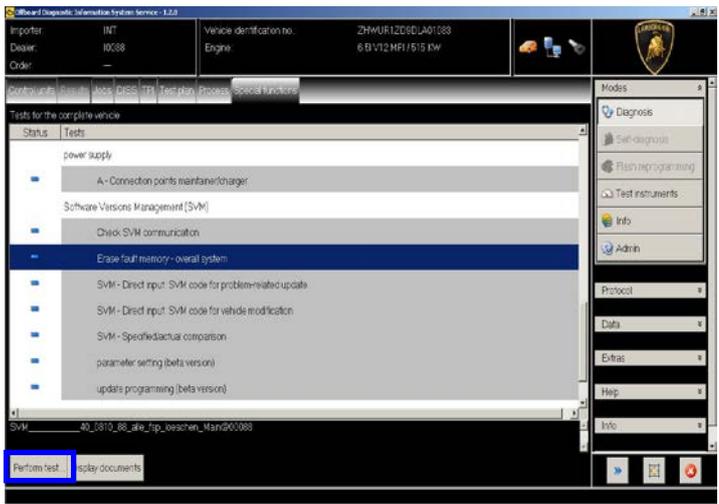
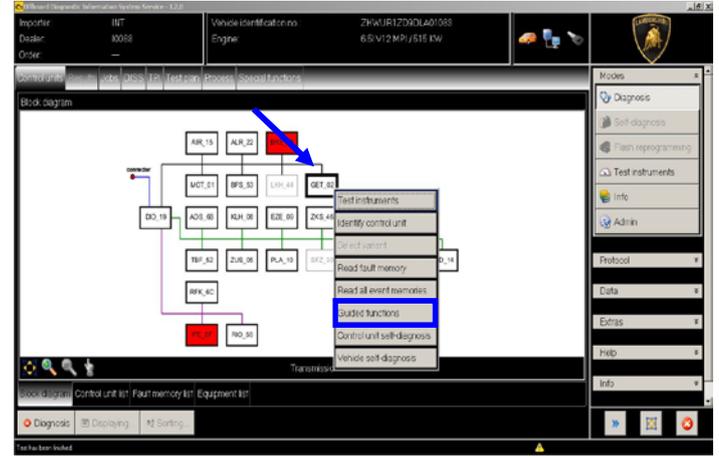
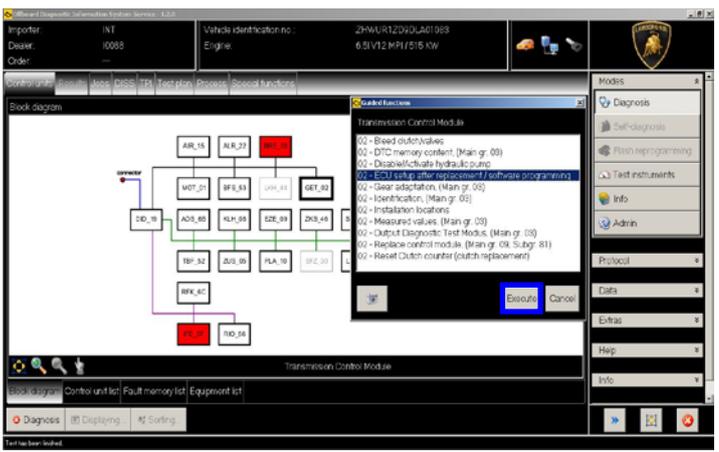
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<p>66</p>	<p>Once the data report has been sent to the servers a feedback as in the picture beside is displayed. The software update of engine and gearbox ECU has been completed successfully and all the information have been stored in the system.</p> <p>Click “Done/Continue”.</p>	
<p>67</p>	<p>Press “Done/Continue” to exit the program.</p>	
<p>68</p>	<p>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.</p>	

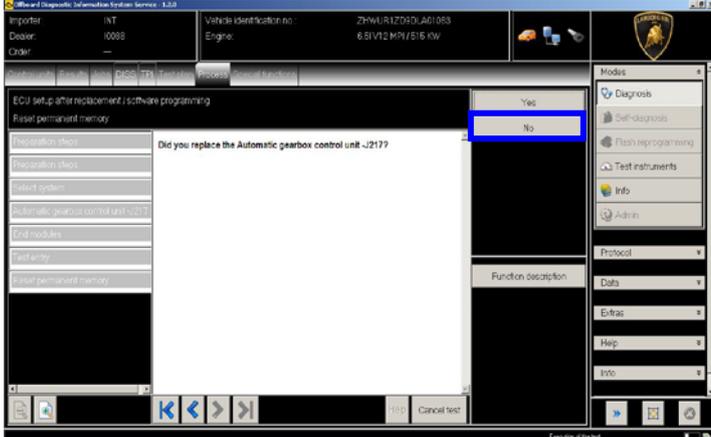
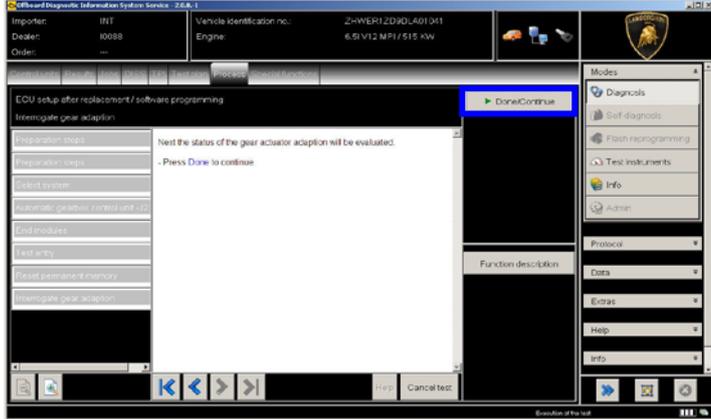
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<p>69</p>	<p>Execute the program “Erase fault memory – overall system” clicking “Perform test...”</p>	
<p>70</p>	<p>Go back to the Control Unit tab (block diagram or list view), to select the Transmission ECU GET_02 and the Guided Functions.</p>	
<p>71</p>	<p>Select the function “02 – ECU setup after replacement / software programming” in order to initialize the gearbox ECU. Click “Execute” to run the test</p>	

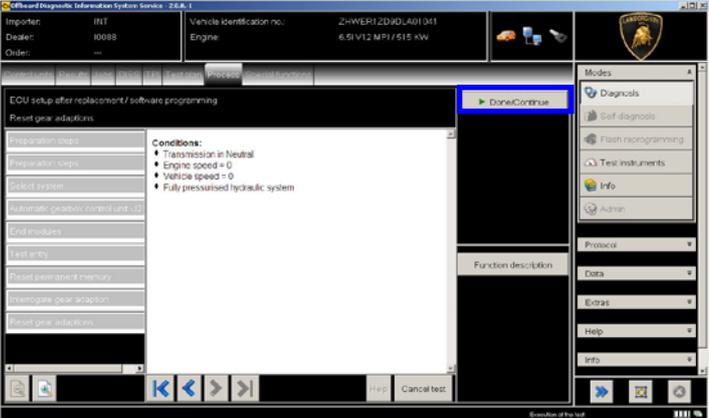
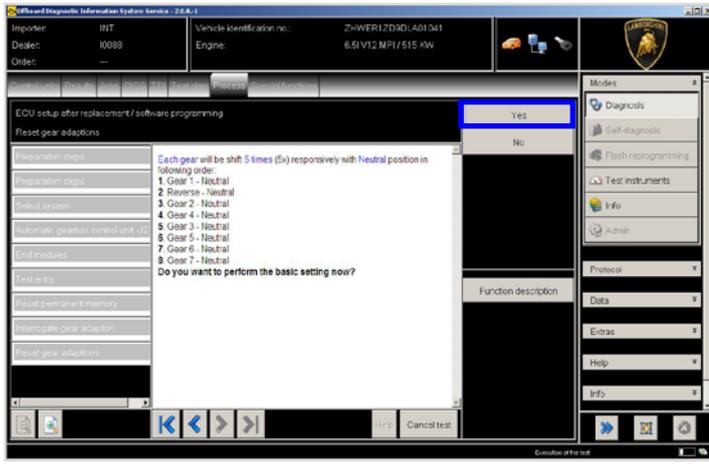
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72	Click “Done/Continue”	
73	Select “NO”	
74	Click “Done/Continue”	

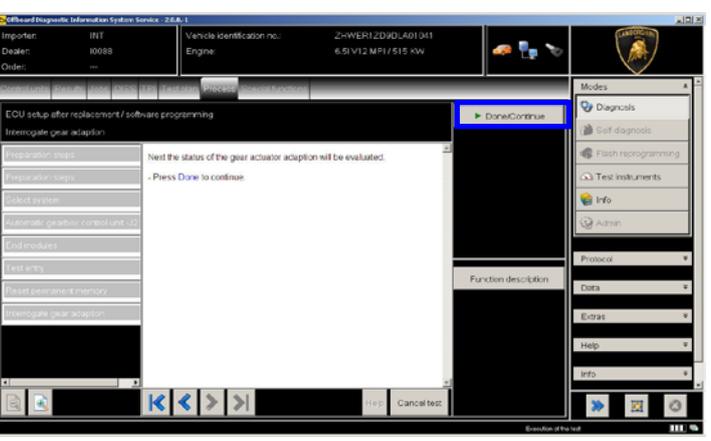
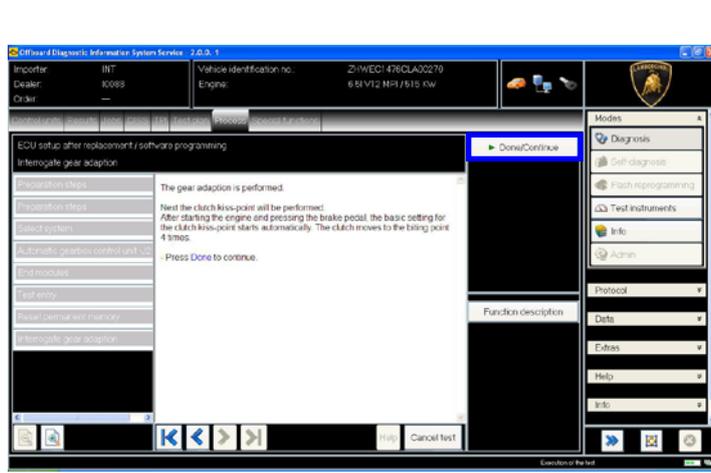
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75	Click “Done/Continue”	
76	Click “Done/Continue” in order to execute the gear adaption.	
77	Confirm clicking on “Yes”	

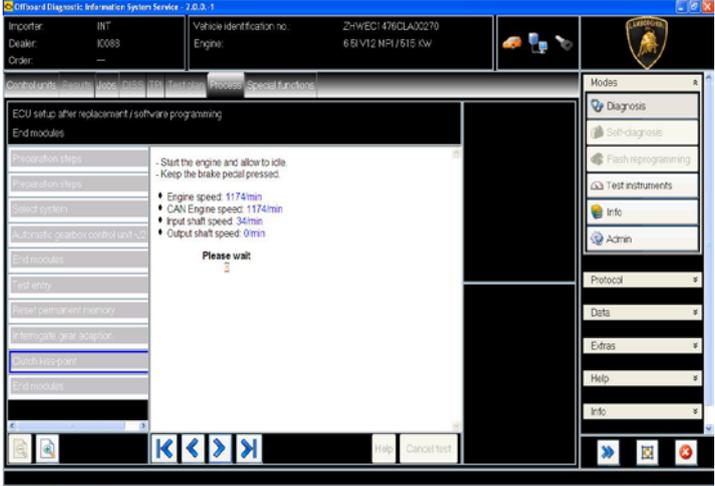
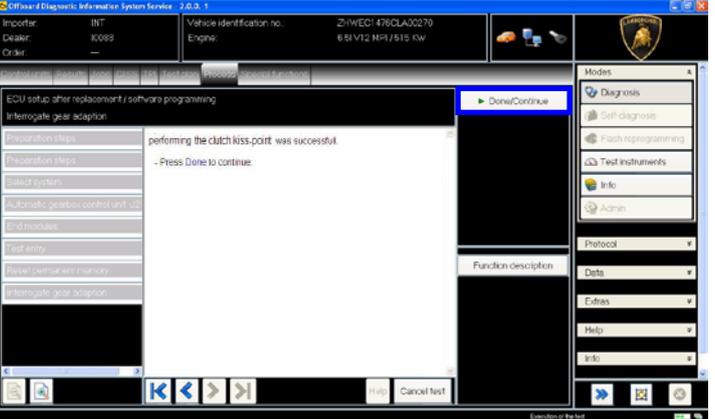
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<p>78</p>	<p>Wait until the gear adaption procedure is completed. Gear engagements can be checked directly from the instrument cluster.</p>	
<p>79</p>	<p>Click “Done/Continue” to continue.</p>	
<p>80</p>	<p>Click “Done/Continue” in order to perform the Kiss Point adaption.</p>	

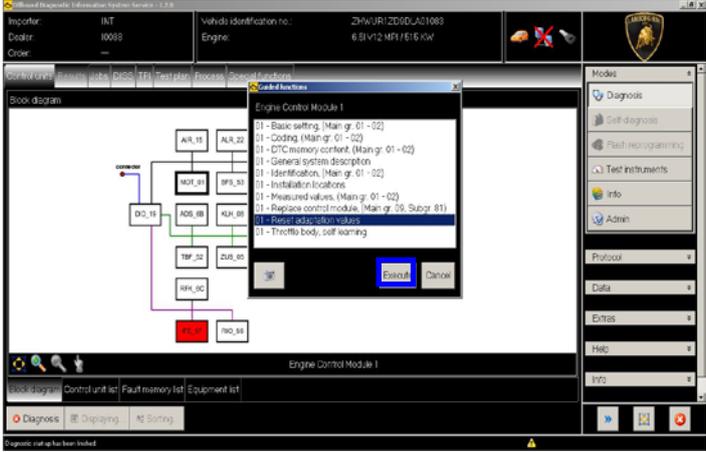
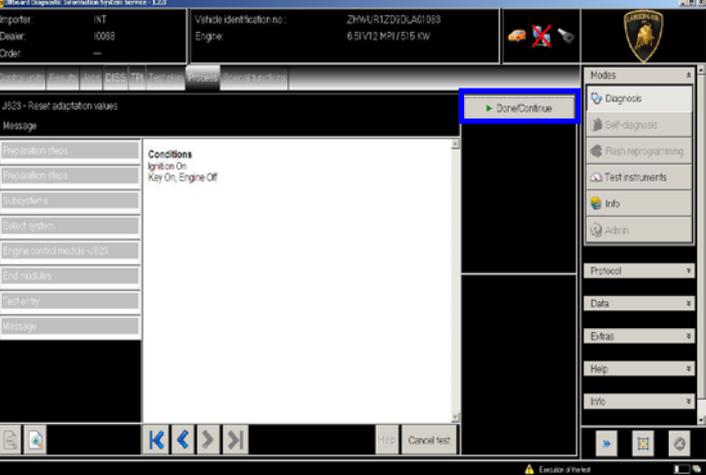
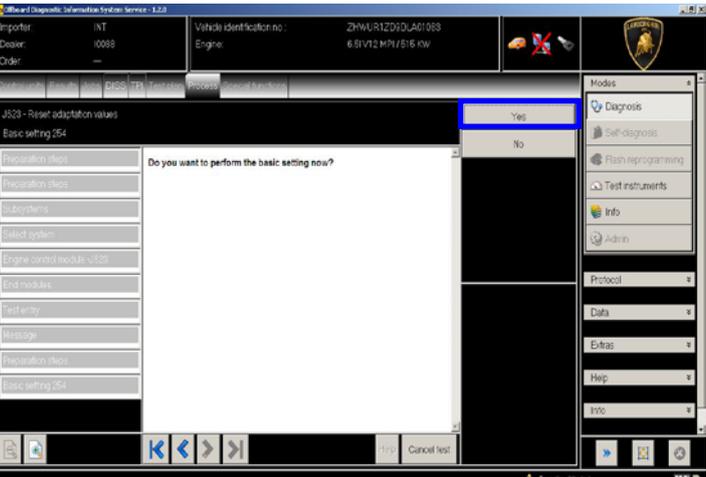
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<p>81</p>	<p><u>Start the engine at idle and keep pressed the brake pedal for at least 1 minute.</u></p> <p>If the engine doesn't start:</p> <ul style="list-style-type: none">• turn the ignition OFF• disconnect the diagnostic interface• wait at least 1 minute before turn the ignition ON again• reconnect the diagnostic interface and repeat the program from step 71	 <p>The screenshot shows the 'Offroad Diagnostic Information System Service - 2.0.0.1' interface. The main window displays 'ECU setup after replacement / software programming' with a 'Please wait' message. On the right, a 'Modes' menu is open, showing options like 'Diagnosis', 'Self-diagnosis', 'Flash reprogramming', and 'Test instruments'. The bottom of the screen has navigation buttons and a 'Cancel test' button.</p>
<p>82</p>	<p>If the Kiss Point adaption is completed successfully the screenshot beside will be displayed.</p> <p>Click on “Done/Continue” in order to exit from the program.</p> <p>If the Kiss Point adaption is not completed successfully:</p> <ul style="list-style-type: none">• turn the ignition OFF• disconnect the diagnostic interface• wait at least 1 minute before turn the ignition ON again• reconnect the diagnostic interface and repeat the program from step 71	 <p>The screenshot shows the same diagnostic software interface. The main window displays 'performing the clutch kiss-point was successful' and '- Press Done to continue'. A 'Done/Continue' button is highlighted in the top right corner of the main window. The 'Modes' menu is still open on the right side.</p>

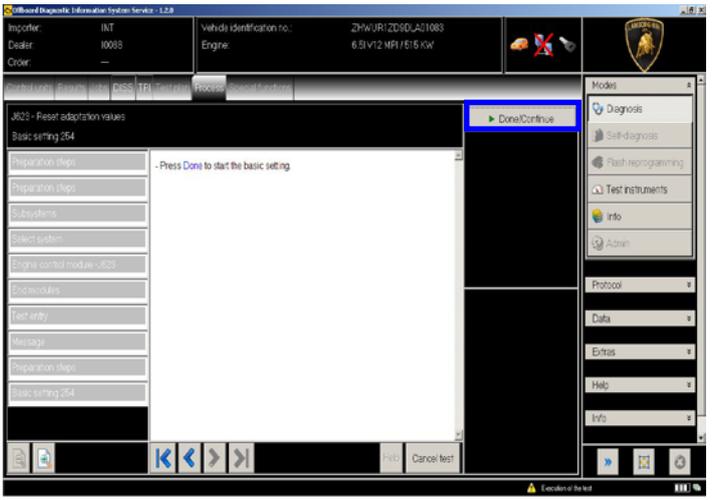
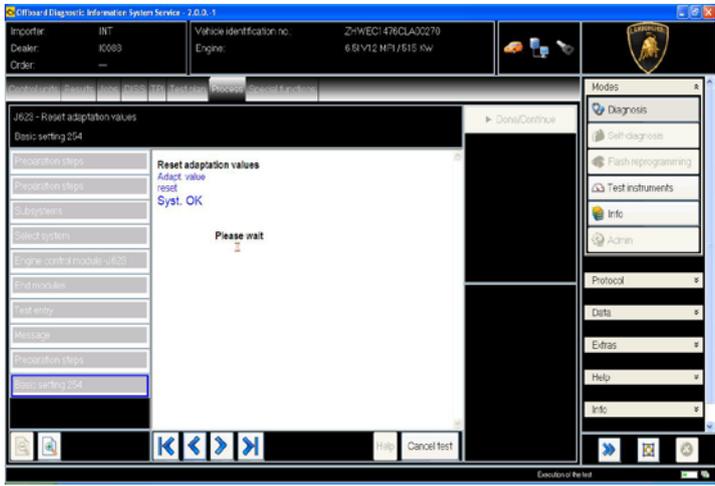
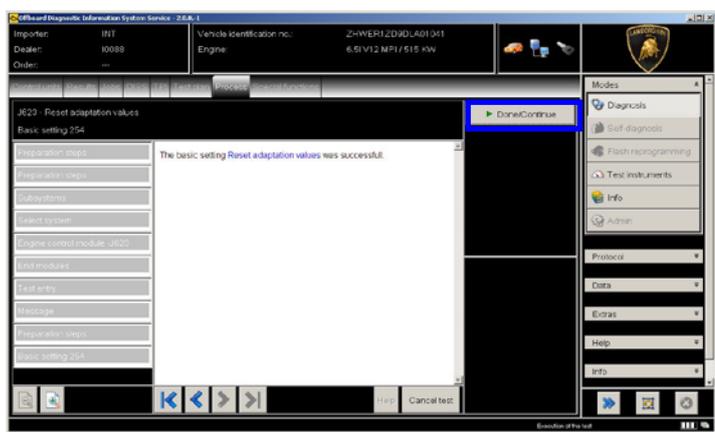
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<p>83</p>	<p>Go back to the Control Unit tab (block diagram or list view), to select the Engine ECU MOT_01 and the Guided Function</p> <p>01 – Reset adaptation values</p> <p>Click “Execute” to start the procedure for resetting the adaptation values (Basic Setting 254)</p>	
<p>84</p>	<p>Be sure the activation conditions are respected:</p> <ul style="list-style-type: none">- Key ON- Engine OFF- No faults stored in the Engine ECU's memory <p>Press “Done/Continue”</p>	
<p>85</p>	<p>Click “Yes” to continue</p>	

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86	Click “Done/Continue” to perform the basic setting	
87	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 beside.	
88	If the procedure has not been performed successfully: <ul style="list-style-type: none">• turn the ignition OFF• wait at least 1 minute before turn the ignition ON again• repeat the program from step 83 Click “Done/Continue” to exit the basic setting	

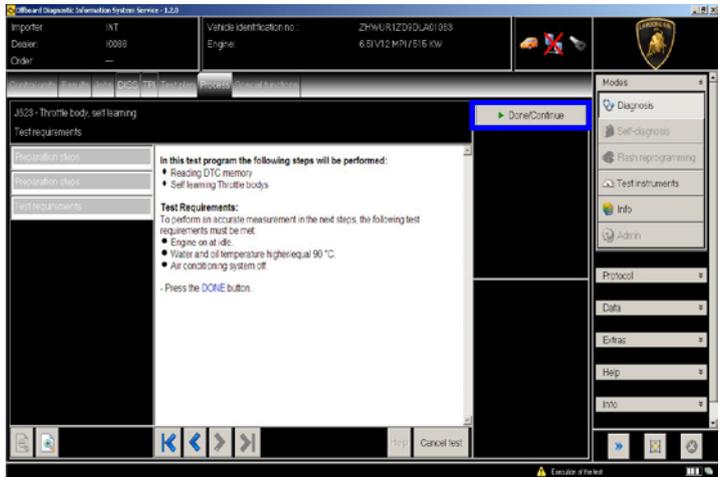
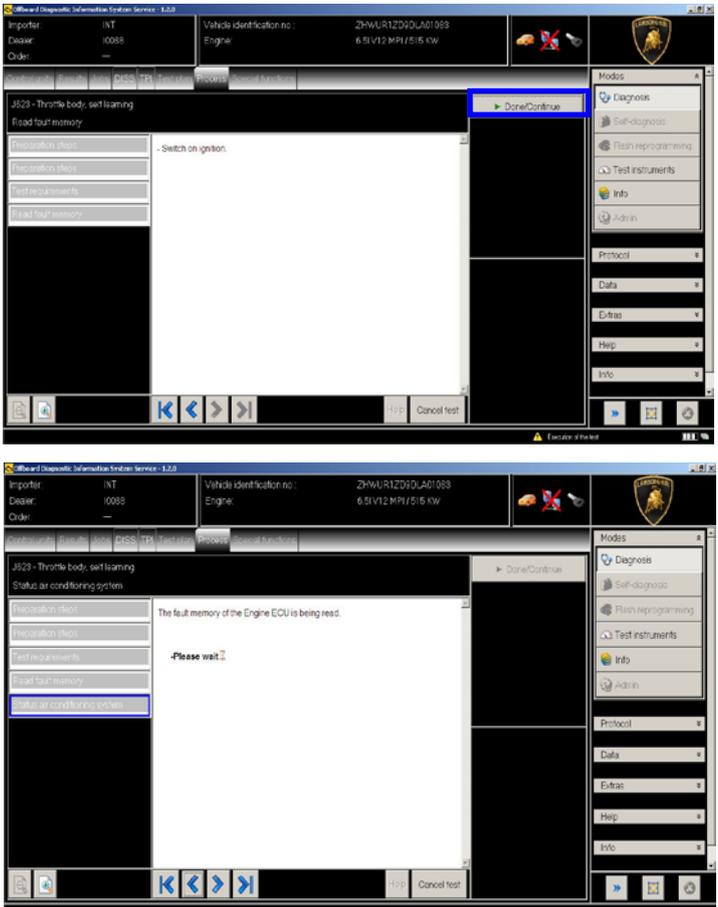
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<p>89</p>	<p>Go back to the Control Unit tab (block diagram or list view), to select the Engine ECU MOT_01 and the Guided Function.</p>	
<p>90</p>	<p>Select the program “01 – Throttle bodies, self learning” And execute clicking on “Execute”.</p>	
<p>91</p>	<p>Be sure that Air Conditioning is OFF The prerequisites for the test are summarized Press “Done/Continue”</p>	

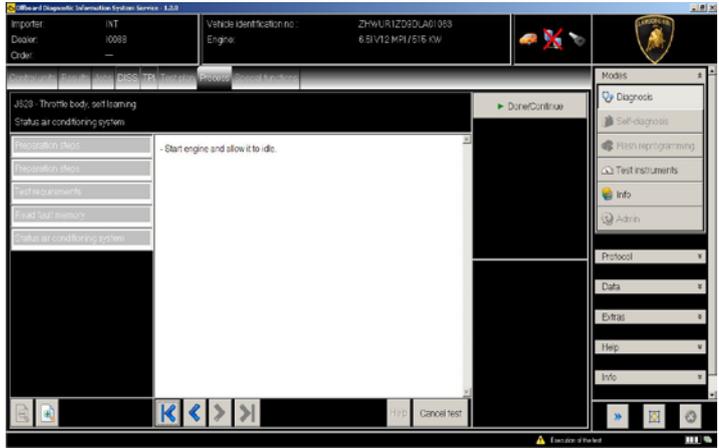
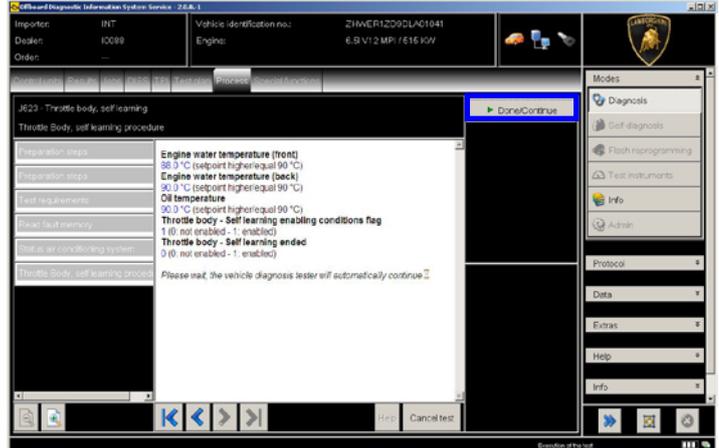
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92	Switch the ignition ON. Click “Done/Continue”	

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<p>93</p>	<p>Start the engine at idle. Click “Done/Continue”</p>	
<p>94</p>	<p>Self learning is an automatic procedure and it is activated when engine water and oil temperature exceed 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.</p>	
<p>95</p>	<p>Once reached the activation conditions (water and oil temperatures major than 90°C) the “Throttle body – Self learning enabling conditions flag” changes from 0 to 1 indicating the start of the self learning procedure.</p>	

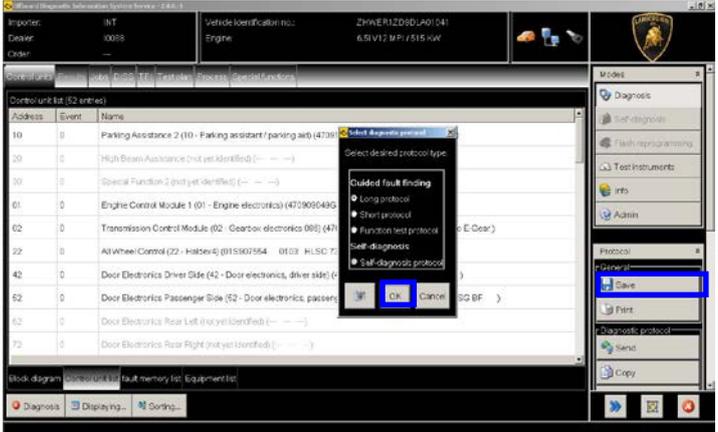
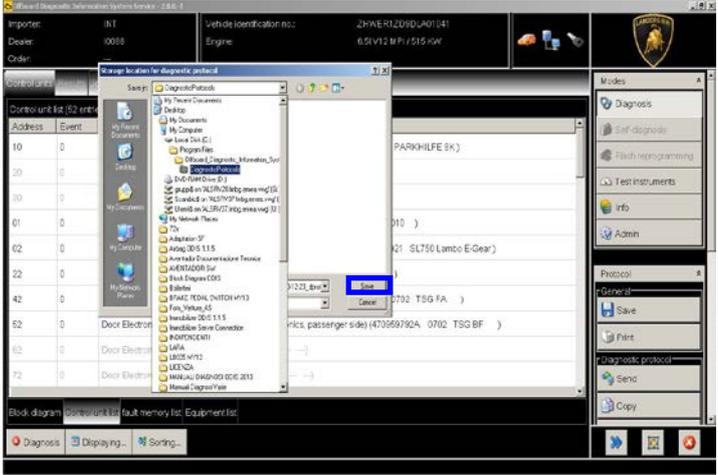
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<p>96</p>	<p>If the self learning is completed successfully a screen as in the picture beside is shown. Click “Done/Continue” to display the ignition advance values.</p> <p>If in 10 minutes from the activation the procedure has not been completed, interrupt and:</p> <ul style="list-style-type: none"> • Switch the ignition OFF • Wait 1 minute before redo the ignition ON • Restart the procedure from step 90 																																		
<p>97</p>	<p>Have a look to the ignition advance values, that must be inside the range [-2° 3°]</p> <p>In the case those values were outside the range, restart the procedure from step 90 after an ignition switch OFF for at least 1 minute.</p> <p>Switch the engine OFF and press “Done/Continue” to exit the program.</p>																																		
<p>98</p>	<p>At the end of previous steps, expand the menu’ “Protocol” on the right side (menu bar)</p>	<table border="1"> <thead> <tr> <th>Address</th> <th>Event</th> <th>Name</th> </tr> </thead> <tbody> <tr> <td>10</td> <td>0</td> <td>Parking Assistance 2 (10 - Parking assistant / parking aid) (470619475 - 0012 - PARKHILFE 2x)</td> </tr> <tr> <td>30</td> <td>0</td> <td>High Beam Assistance (not yet identified) (--- --)</td> </tr> <tr> <td>80</td> <td>0</td> <td>Special Function 2 (not yet identified) (--- --)</td> </tr> <tr> <td>61</td> <td>0</td> <td>Engine Control Module 1 (01 - Engine electronics) (470909490 - 2014 - LIE 2010)</td> </tr> <tr> <td>62</td> <td>0</td> <td>Transmission Control Module (02 - Gearbox electronics) (470927256A - 0921 - SL750 Lambo E-Gear)</td> </tr> <tr> <td>22</td> <td>0</td> <td>All Wheel Control (22 - HSBex6) (015907554 - 0103 - H.LSC 737 Lambo 4WD)</td> </tr> <tr> <td>42</td> <td>0</td> <td>Door Electronics Driver Side (42 - Door electronics, driver side) (470958792A - 0702 - TSG FA)</td> </tr> <tr> <td>62</td> <td>0</td> <td>Door Electronics Passenger Side (52 - Door electronics, passenger side) (470959792A - 0702 - TSG BF)</td> </tr> <tr> <td>60</td> <td>0</td> <td>Door Electronics Rear Left (not yet identified) (--- --)</td> </tr> <tr> <td>60</td> <td>0</td> <td>Door Electronics Rear Right (not yet identified) (--- --)</td> </tr> </tbody> </table>	Address	Event	Name	10	0	Parking Assistance 2 (10 - Parking assistant / parking aid) (470619475 - 0012 - PARKHILFE 2x)	30	0	High Beam Assistance (not yet identified) (--- --)	80	0	Special Function 2 (not yet identified) (--- --)	61	0	Engine Control Module 1 (01 - Engine electronics) (470909490 - 2014 - LIE 2010)	62	0	Transmission Control Module (02 - Gearbox electronics) (470927256A - 0921 - SL750 Lambo E-Gear)	22	0	All Wheel Control (22 - HSBex6) (015907554 - 0103 - H.LSC 737 Lambo 4WD)	42	0	Door Electronics Driver Side (42 - Door electronics, driver side) (470958792A - 0702 - TSG FA)	62	0	Door Electronics Passenger Side (52 - Door electronics, passenger side) (470959792A - 0702 - TSG BF)	60	0	Door Electronics Rear Left (not yet identified) (--- --)	60	0	Door Electronics Rear Right (not yet identified) (--- --)
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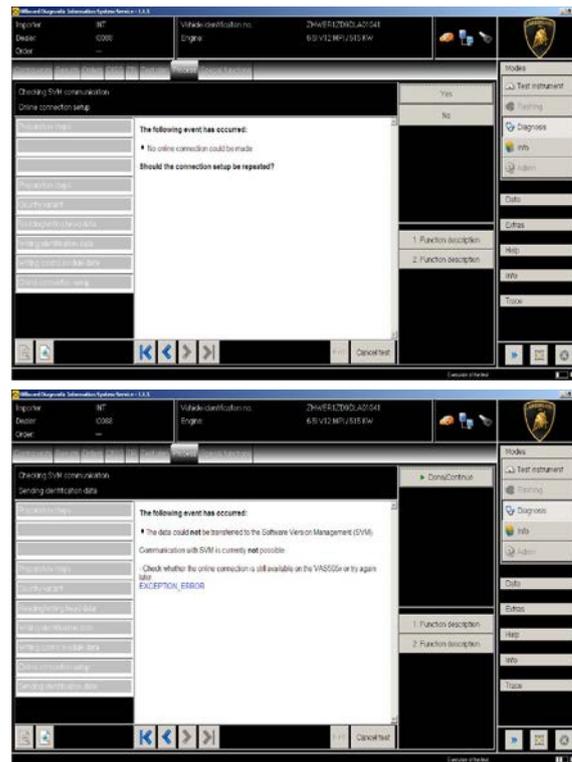


<p>99</p>	<p>Click “Save” in the subgroup of buttons “General”</p> <p>In the diagnosis protocol window under GFF select</p> <ul style="list-style-type: none">• Long protocol <p>by clicking on it</p> <p>Then click “OK”</p>	
<p>100</p>	<p>Select the position where you want to save the diagnosis protocol on your diagnosis laptop</p> <p>(default path can be changed under Admin and is set under ODIS Service installation folder)</p> <p>Diagnosis protocol format is internet (.htm)</p> <p>Click “Save” to save the protocol.</p>  <p>Click “Print” in the subgroup of buttons “General” to print the protocol directly on a pdf file (if available Adobe pdf) or in paper format by sending to an installed network printer.</p>	
<p>101</p>	<p>The diagnosis protocol has to be attached to the related Warranty Claim</p> <p>(in order to insert the claim on the Web Portal, please refer to W.Claim Manual you can find under the Portal, Warranty section)</p>	

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Troubleshooting

<p>A.</p>	<p>If the error message regarding the VAS5054 interface and the 2 icons for status of on board connection and key on are shown as in the picture beside:</p> <ul style="list-style-type: none">- 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”.	
<p>B.</p>	<p>If one of the connection errors screens is shown as in the pictures beside:</p> <ul style="list-style-type: none">- 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”	

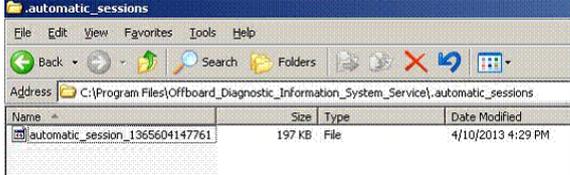
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<p>C.</p>	<p>If the loss of connection happens during the target/actual comparison:</p> <ul style="list-style-type: none"> - It is not possible to connect to central server, check the working connection of internet and retry by clicking “1” 	
<p>D.</p>	<p>If the incorrect identification message is shown as in the picture beside (error code: ODS1007E):</p> <ul style="list-style-type: none"> - 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” (*)) 	
<p>E.</p>	<p>If the infrastructure error message is shown as in the picture beside (error code: ODS9212E):</p> <ul style="list-style-type: none"> - 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” (*)) 	

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	<ul style="list-style-type: none">- click on Cancel and perform the application test (see document “ODIS_Checking_ConnectionServer_SVM_2.0” (*)) <p>If the same error was present during the application test, try following procedure:</p> <ul style="list-style-type: none">- Quit ODIS- Enter the folder C:\Program Files\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:<ol style="list-style-type: none">1. Network connection available2. ODIS connection set on “Internet”- Retry the application test and the SVM with your GeKO Token. <p> In the remote case there was still an error, retry the procedure with a second GeKO token, if available.</p>	
F.	<p>In the case the flash container is not detected (see figure):</p> <ul style="list-style-type: none">- Make sure to be recently synchronized with Mirrorserver by checking the last date of Sync under: http://mirrorserver/welcome <p>or under http://IP_address/welcome</p>	

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	<p>if you don't have previously defined the "mirrorserver" IP address alias.</p> <ul style="list-style-type: none">- Make sure to be correctly connected with Mirrorserver	<p>You have successfully installed your MirrorServer2 NOS-Box.</p> <p>Testing the connection to the configured Provider Server. Please wait a moment, this takes some time ...</p> <table border="1"><thead><tr><th colspan="2">Configuration</th></tr></thead><tbody><tr><td>Base path</td><td>/var/www/desert</td></tr><tr><td>Provider URL</td><td>https://altair.mirrorserver2.net/deployment</td></tr><tr><td>Repository URL</td><td>https://altair.mirrorserver2.net/storage</td></tr><tr><td>Feedback URL</td><td>https://altair.mirrorserver2.net/health</td></tr><tr><td>Proxy</td><td>http://svc_blackbox? @10.197.179.43:8080</td></tr><tr><td>Key file</td><td>/var/www/desert/certs/userkey.pem</td></tr><tr><td>Certificate</td><td>/var/www/desert/certs/usercert.pem</td></tr></tbody></table> <table border="1"><thead><tr><th colspan="2">Tests</th></tr></thead><tbody><tr><td>Provider WebDAV access</td><td>OK (/deployment/)</td></tr><tr><td>Repository WebDAV access</td><td>OK (/storage/)</td></tr><tr><td>Feedback WebDAV access</td><td>OK (/health/)</td></tr><tr><td>Successful package downloads</td><td>5</td></tr><tr><td>Failed package downloads</td><td>0</td></tr><tr><td>Last Sync</td><td>07-10-13 at 22:10:17</td></tr></tbody></table>	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	http://svc_blackbox? @10.197.179.43:8080	Key file	/var/www/desert/certs/userkey.pem	Certificate	/var/www/desert/certs/usercert.pem	Tests		Provider WebDAV access	OK (/deployment/)	Repository WebDAV access	OK (/storage/)	Feedback WebDAV access	OK (/health/)	Successful package downloads	5	Failed package downloads	0	Last Sync	07-10-13 at 22:10:17
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(*) ODIS technical documentation can be retrieved on the Lamborghini web portal, under ODIS section → ODIS technical documentation

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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.

Your Area Manager is at full disposal for further information.

Best regards

Customer Service

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