



To All Lamborghini Dealers and Licensed Service Point.  
From After Sales Department.  
Subject GFA Software Update.  
Group 10.01.00  
Date 12/04/2013  
Pages 30

**Subject**

GFA Software Update.

**Models/VINs involved:**

Aventador LP-700 MY13 Coupè and Roadster from VIN DLA01300 to VIN DLA01807.

Attention: please carefully check on the Lamborghini Web-portal to verify the VIN-Information and if the vehicle is affected by this Service Campaign before the start of any updating.

**Information to the field**

As a result of a continuous product monitoring, Automobili Lamborghini S.p.A. has found that on some vehicles the battery might prematurely discharge when car is left parked at warm room temperature.

**Field solution**

Follow the herein reported instruction to update the GFA Software Update.

**Warranty Claim data**

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

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**Campaign Code:** L83X-A.01.13  
**Campaign Description:** GFA software update  
**Cost Code:** 50  
**Component Code:** CCA0113  
**Trouble Code:** 220  
**Labour Code:** CCA0113100  
**Labour Time:** 1 hr

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 Llamado a Taller

<p> <input type="checkbox"/> Servizio/Service / Servicio  <input type="checkbox"/> Assistenza/Assistenza / Atención a Taller         </p> <p>           Numero/Numero / Número  <input style="width: 20px; height: 15px; border: 1px solid black;" type="text"/> <input style="width: 20px; height: 15px; border: 1px solid black;" type="text"/> <input style="width: 20px; height: 15px; border: 1px solid black;" type="text"/> <input style="width: 20px; height: 15px; border: 1px solid black;" type="text"/> <input style="width: 20px; height: 15px; border: 1px solid black;" type="text"/> <input style="width: 20px; height: 15px; border: 1px solid black;" type="text"/> </p> <p>           Data/Date / Fecha  <input style="width: 20px; height: 15px; border: 1px solid black;" type="text"/> <input style="width: 20px; height: 15px; border: 1px solid black;" type="text"/> <input style="width: 20px; height: 15px; border: 1px solid black;" type="text"/> <input style="width: 20px; height: 15px; border: 1px solid black;" type="text"/> </p> <p>           Data di consegna/Date of delivery / Fecha de entrega  <input style="width: 20px; height: 15px; border: 1px solid black;" type="text"/> <input style="width: 20px; height: 15px; border: 1px solid black;" type="text"/> <input style="width: 20px; height: 15px; border: 1px solid black;" type="text"/> <input style="width: 20px; height: 15px; border: 1px solid black;" type="text"/> </p> <p style="font-size: small;">       Esigete/Se requiere / Ausgeführt von der Vertragspartei / Done by the Dealer        Effettuato per le operazioni di / Efectuado por el Concesionario     </p>	<p> <input type="checkbox"/> Servizio/Service / Servicio  <input type="checkbox"/> Assistenza/Assistenza / Atención a Taller         </p> <p>           Numero/Numero / Número  <input style="width: 20px; height: 15px; border: 1px solid black;" type="text"/> <input style="width: 20px; height: 15px; border: 1px solid black;" type="text"/> <input style="width: 20px; height: 15px; border: 1px solid black;" type="text"/> <input style="width: 20px; height: 15px; border: 1px solid black;" type="text"/> <input style="width: 20px; height: 15px; border: 1px solid black;" type="text"/> <input style="width: 20px; height: 15px; border: 1px solid black;" type="text"/> </p> <p>           Data/Date / Fecha  <input style="width: 20px; height: 15px; border: 1px solid black;" type="text"/> <input style="width: 20px; height: 15px; border: 1px solid black;" type="text"/> <input style="width: 20px; height: 15px; border: 1px solid black;" type="text"/> <input style="width: 20px; height: 15px; border: 1px solid black;" type="text"/> </p> <p>           Data di consegna/Date of delivery / Fecha de entrega  <input style="width: 20px; height: 15px; border: 1px solid black;" type="text"/> <input style="width: 20px; height: 15px; border: 1px solid black;" type="text"/> <input style="width: 20px; height: 15px; border: 1px solid black;" type="text"/> <input style="width: 20px; height: 15px; border: 1px solid black;" type="text"/> </p> <p style="font-size: small;">       Esigete/Se requiere / Ausgeführt von der Vertragspartei / Done by the Dealer        Efectuado por le operaciones de / Efectuado por el Concesionario     </p>
<p style="font-size: x-small;">Firma / Unterschrift / Signature / Firma</p> <hr style="border: 0; border-top: 1px solid black;"/>	
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## Workshop instructions



The instruction contained in this bulletin are based on version 1.1.5 of ODIS Service (see information bulletin BI.05.13).

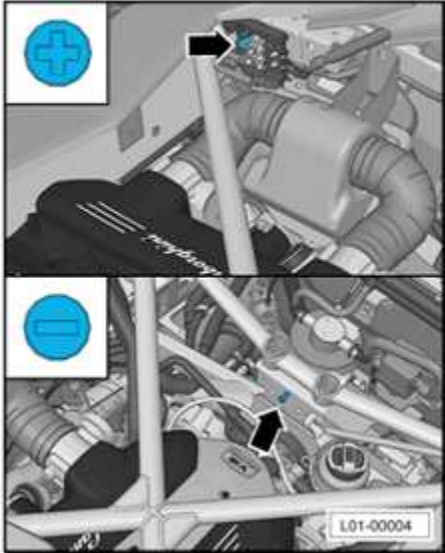

### Preliminary operations:

<p>1 Make sure to be recently synchronized with Mirrorserver by checking the last date of Sync under:</p> <p><a href="http://mirrorserver/welcome">http://mirrorserver/welcome</a></p> <p>or under:</p> <p><a href="http://IP_address/welcome">http://IP_address/welcome</a></p> <p>if you don't have previously defined the "mirrorserver" IP address alias.</p>	<p>Congratulations</p> <p>You have successfully installed your MirrorServer2 ROS-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>/s3/www/bsesart</td> </tr> <tr> <td>Provider URL</td> <td>ftp://s3.www.mirrorserver2.mil/development</td> </tr> <tr> <td>Repository URL</td> <td>ftp://s3.www.mirrorserver2.mil/bsesart</td> </tr> <tr> <td>Feedback URL</td> <td>ftp://s3.www.mirrorserver2.mil/bsesart</td> </tr> <tr> <td>Proxy</td> <td>ftplib.FTPError</td> </tr> <tr> <td>Key file</td> <td>/s3/www/bsesart/bsesart/bsesart.pem</td> </tr> <tr> <td>Cert file</td> <td>/s3/www/bsesart/bsesart/bsesart.pem</td> </tr> <tr> <th colspan="2">Tests</th> </tr> <tr> <td>Provider WebDAV access</td> <td>OK (30s/10min)</td> </tr> <tr> <td>Repository WebDAV access</td> <td>OK (30s/10min)</td> </tr> <tr> <td>Feedback WebDAV access</td> <td>OK (30s/10min)</td> </tr> <tr> <td>Successful package downloads</td> <td>0</td> </tr> <tr> <td>Failed package downloads</td> <td>0</td> </tr> <tr> <td>Last Sync</td> <td>24-04-11 11:03:21-05</td> </tr> </tbody> </table>	Configuration		Base path	/s3/www/bsesart	Provider URL	ftp://s3.www.mirrorserver2.mil/development	Repository URL	ftp://s3.www.mirrorserver2.mil/bsesart	Feedback URL	ftp://s3.www.mirrorserver2.mil/bsesart	Proxy	ftplib.FTPError	Key file	/s3/www/bsesart/bsesart/bsesart.pem	Cert file	/s3/www/bsesart/bsesart/bsesart.pem	Tests		Provider WebDAV access	OK (30s/10min)	Repository WebDAV access	OK (30s/10min)	Feedback WebDAV access	OK (30s/10min)	Successful package downloads	0	Failed package downloads	0	Last Sync	24-04-11 11:03:21-05
Configuration																															
Base path	/s3/www/bsesart																														
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Repository URL	ftp://s3.www.mirrorserver2.mil/bsesart																														
Feedback URL	ftp://s3.www.mirrorserver2.mil/bsesart																														
Proxy	ftplib.FTPError																														
Key file	/s3/www/bsesart/bsesart/bsesart.pem																														
Cert file	/s3/www/bsesart/bsesart/bsesart.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.  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 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>	
<p>6</p>	<p>Select “Start diagnosis”.</p> <p></p> <p>Make sure that ODIS can detect the vehicle connection status and the key ON.</p>	

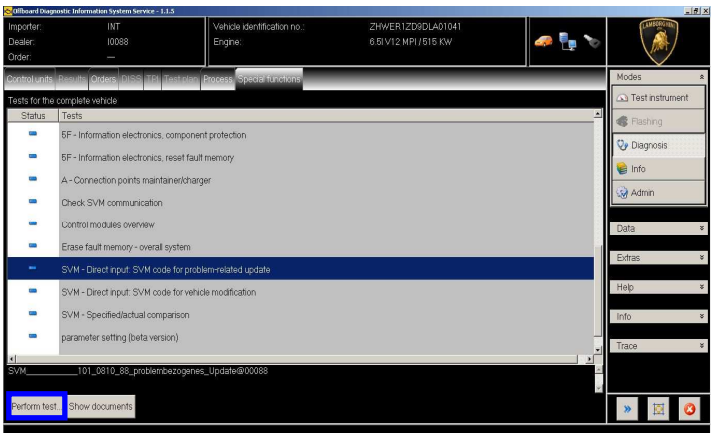
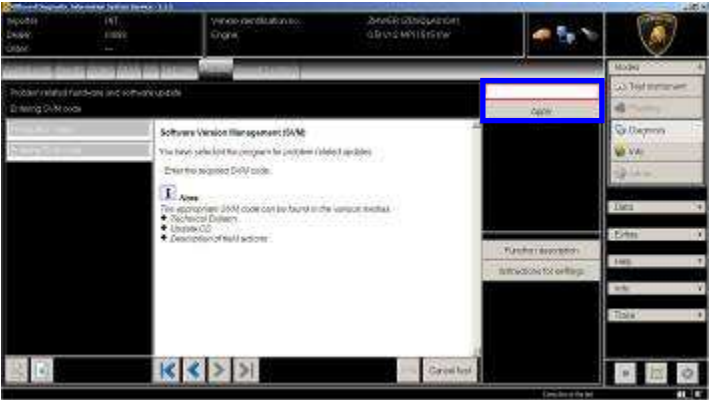
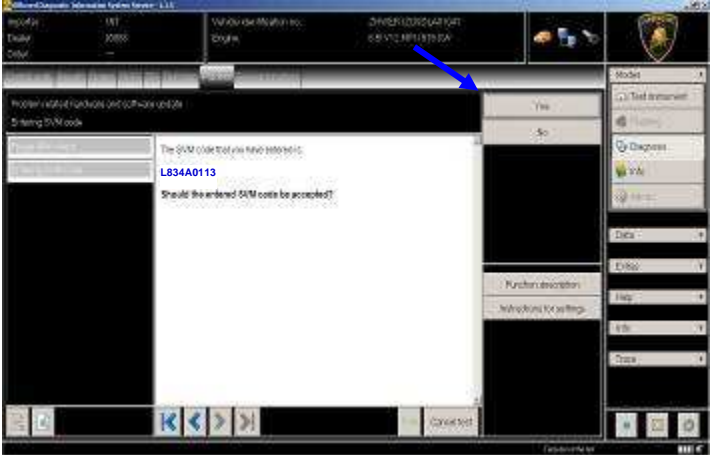
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<p>7</p>	<p>Check the vehicle identification on the window “Basic vehicle characteristics”.</p> <p>Deselect the checkbox “Using guided fault finding”</p> <p>Click “Apply”</p>	
<p>8</p>	<p>Skip the Login window by clicking “Cancel”</p>	
<p>9</p>	<p>Move on the ODIS tab “Special functions”.</p> <p>Select “SVM – Direct input: SVM code for problem related update” by clicking the related row with the mouse.</p>	



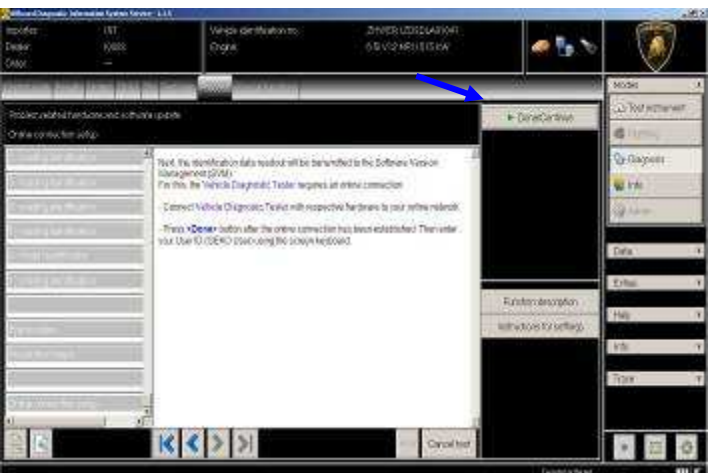
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<p><b>10</b></p>	<p>Click “Perform test...” to execute the SVM function</p>	
<p><b>11</b></p>	<p>Insert in the upper box with the cursor the code <b>L834A0113</b></p> <p>Click “Apply”</p>	
<p><b>12</b></p>	<p>Confirm that the inserted code is correct clicking on “Yes”.</p>	





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<p>13</p>	<p>Click on “Done/Continue” to start the data acquisition from all the vehicle’s ECUs.</p>	
<p>14</p>	<p>Wait until the data acquisition from all control modules is completed.</p>	
<p>15</p>	<p>For the online authentication a valid GeKo account is necessary. <u>Be sure that your internet connection is working properly.</u> Click on “Done/Continue” to access the Login window.</p>	

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<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. Then confirm clicking on “Apply”.</p>	
<p>17</p>	<p>If one of the 2 screens appears as shown in the pictures beside click on “Done”.</p> <p><u>Case 1</u>: go to next point 18</p> <p><u>Case 2</u>: go to point 25</p> <p></p> <p>If none of the 2 screens shown in the picture beside <b>DOES NOT</b> appear, the SVM system has <b>NOT</b> recognized any update for the aerodynamic control module (GFA) ECU.</p> <p>Exit from the update procedure or contact the mail address: <a href="mailto:service.department@lamborghini.com">service.department@lamborghini.com</a></p>	<p><u>Case 1</u></p>  <p><u>Case 2</u></p> 

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<p><b>18</b></p>	<p><u>Case 1</u></p> <p>The new aerodynamic control module (GFA) software part number and version will be <b>470959433C; 0003</b></p> <p>Press “Yes” to continue.</p>	
<p><b>19</b></p>	<p>Click “Yes” to continue.</p>	
<p><b>20</b></p>	<p>The SW update will take few minutes.</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.</p> <p>Press “Done/Continue” to start the update programming of the aerodynamic control module (GFA) ECU.</p> <p>If the update programming has not been completed or has been unsuccessful:</p> <ul style="list-style-type: none"> <li>- turn the ignition OFF</li> <li>- wait 1 minute before turning the ignition ON again</li> </ul> <p>if offered by the program: select “Repeat” to retry the update programming, otherwise repeat the procedure from step 9.</p>	
<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>Click “Done/Continue” to continue.</p>	


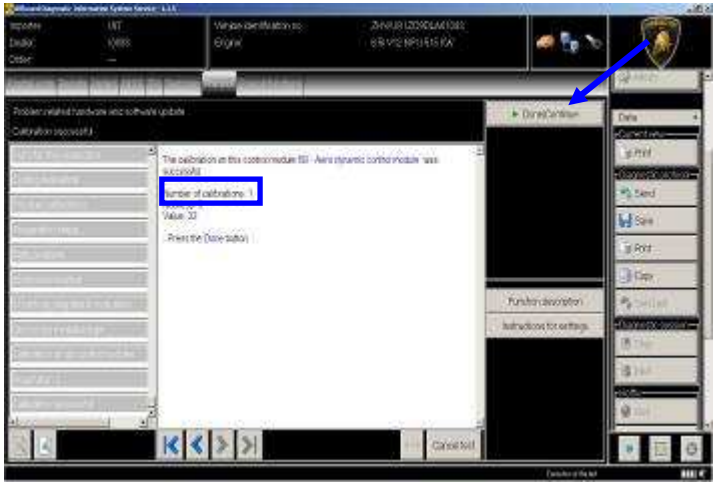
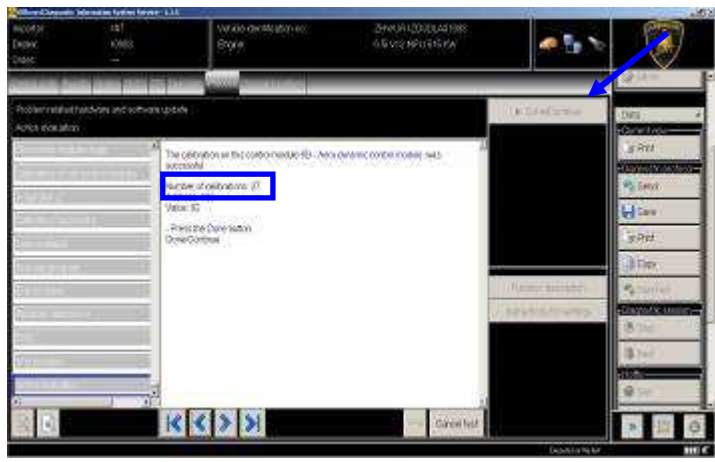

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<p>24</p>	<p><u>Wait 1 minute before switching the ignition ON again.</u></p> <p>Click “Done/Continue” to proceed with next step (calibrations update)</p>	
<p>25</p>	<p><u>Case 2</u></p> <p>An electronic configuration (calibration) on the aerodynamic control module (GFA) is also necessary.</p> <p>Click on “Done” to start the calibration setting update.</p>	
<p>26</p>	<p>Click on “Done/Continue” to download all the necessary data.</p>	




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<p>27</p>  <p>Press “Done/Continue” to continue with the calibration no.1.</p> <p>In the next step are written to other no.27 calibration. <u>Please always press “Done/Continue” until the calibration procedure is completed.</u></p>	
<p>28</p> <p>Click on “Done/Continue” to complete the calibration procedure.</p>	
<p>29</p> <p>Click “Done/Continue”.</p>	

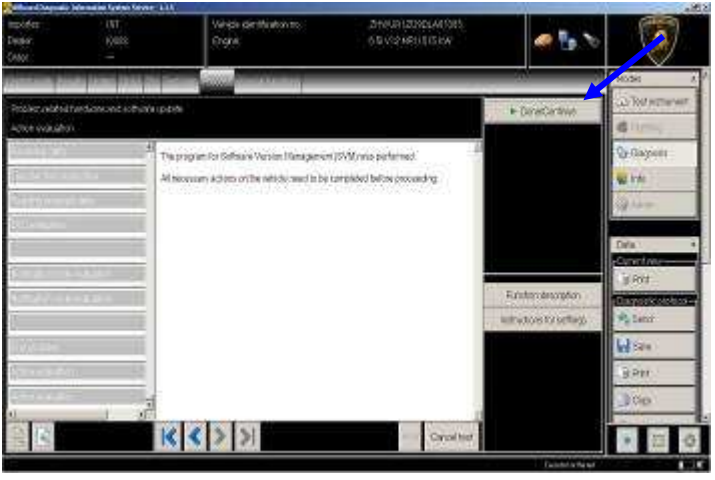
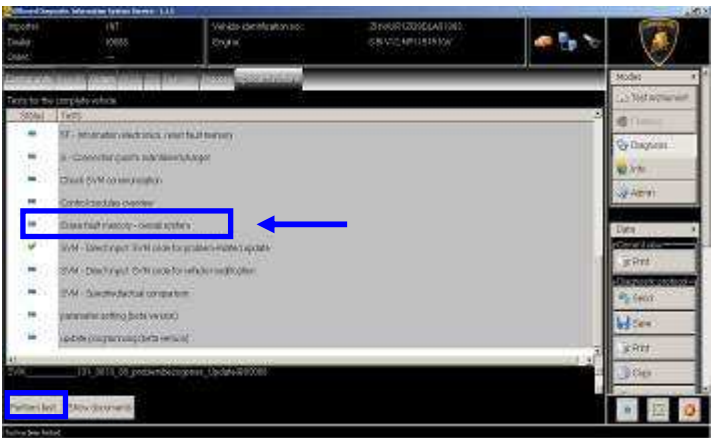
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<p><b>30</b></p>	<p>Press “Done/Continue” to start the data report.</p>	
<p><b>31</b></p>	<p>Wait until the data acquisition from all the control modules is completed.</p>	
<p><b>32</b></p>	<p>Once the data report has been sent to the servers a feedback as in the picture beside is displayed. The software update of aerodynamic control unit (GFA) has been completed successfully and all the information have been stored in the system. Press on “Done/Continue”.</p>	

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33	Press on “Done/Continue” to exit the program.	
34	Go back to the ODIS tab “Special functions”, Select and run the program “Erase fault memory – overall systems” to clear all the faults stored because of the software update.  Click “Perform test...”	

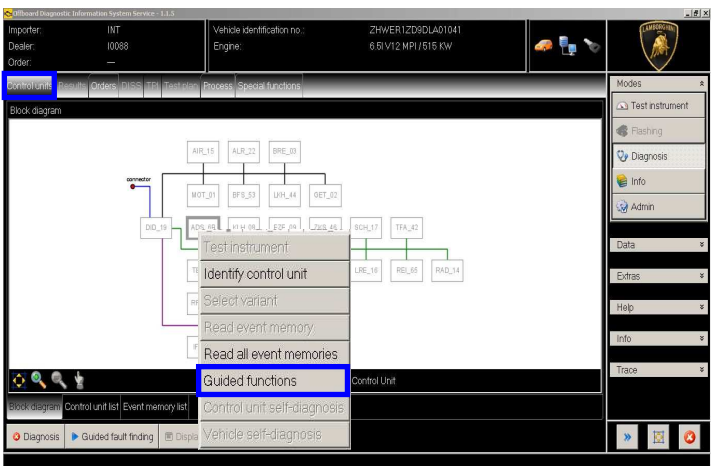
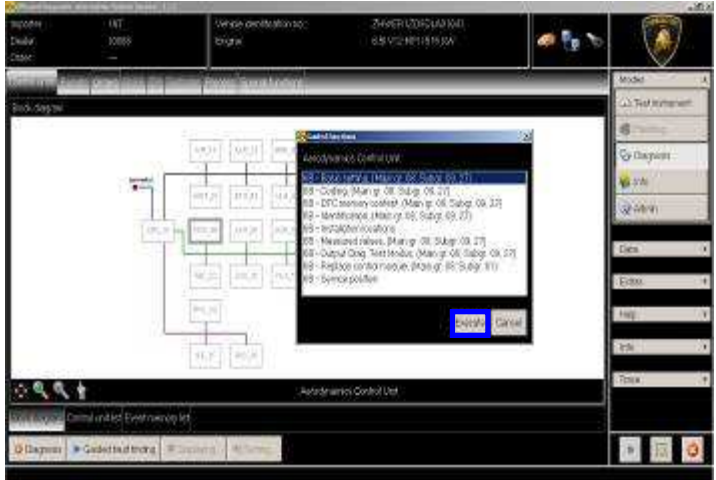
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## ECU adaptations after software programming






Please perform the following procedures to execute the correct adaptations of the aerodynamic control module (GFA) after the software programming.

<p>1</p>	<p>In order to setup the aerodynamic control module (GFA) after the software update:</p> <p>from “Control units” tab in block diagram or in control unit list view, select the ECU ADS_6B.</p> <p>Open the drop-down menu by right clicking the mouse on the selected ECU and click “Guided functions”</p>	
<p>2</p>	<p>From the new drop-down menu “Aerodynamic control unit” select and execute the program “6B – Basic setting”.</p> <p>Click “Execute”</p>	





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3	Click “Done/Continue”.	
4	Click on “-1-“ to perform the calibration of the rear spoiler.	
5	Click “Yes”.	




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<p>The routine will perform two open/close cycles on the rear spoiler.</p> <p></p> <p><b>6</b> Before calibration, make sure that no tools and/or objects have been left on the rear spoiler.</p> <p>Click “Yes”.</p>	
<p><b>7</b> Click on “Done/Continue” to perform the calibration procedure.</p>	
<p><b>8</b> Wait for calibration to be completed.</p>	





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<p><b>9</b></p>	<p>If calibration is successful, the screen shown on the right will be displayed.</p> <p>Click on “Yes” to perform another calibration.</p>	
<p><b>10</b></p>	<p>Click on “-2-“ to perform the calibration of the side airflow flaps.</p>	
<p><b>11</b></p>	<p>Click “Yes”.</p>	


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<p>12</p>	<p>The routine will perform two open/close cycles on the side air-flow flaps.</p> <p> Before calibration, make sure that no tools and/or objects have been left on the side mobile air intakes.</p> <p>Click “Yes”.</p>	
<p>13</p>	<p>Click on “Done/Continue” to perform the calibration procedure.</p>	
<p>14</p>	<p>Wait for calibration to be completed.</p>	

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<p><b>15</b></p>	<p>If calibration is successful, the screen shown on the right will be displayed.</p> <p>Click on “No” to exit the program.</p>	 <p>The screenshot shows a diagnostic software window titled 'Lamborghini Diagnostic Information System Service - 1.1.1'. The main display area contains a message: 'The basic setting of the Left side air flow flap and the Right side air flow flap was successful.' Below this, it lists 'Calibration status' with 'Right side air flow flap calibrated' and 'Left side air flow flap calibrated'. A question asks 'Do you want to carry out another basic setting?'. A 'No' button is highlighted with a blue arrow. The interface includes a top status bar with vehicle information, a left sidebar with various diagnostic options, and a bottom navigation bar with directional arrows and a 'Cancel' button.</p>
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## Troubleshooting

<p><b>A.</b></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"><li>- Click “Cancel”</li><li>- Repeat the VAS5054 HW interface installation following the procedure (*) “VCI Manager v1.0”, by entering in the menu “Extras” on the right side and clicking on “VCI”.</li></ul> <p></p> <p>(*) ODIS technical documentation can be retrieved on the Lamborghini web portal, under ODIS section → ODIS technical documentation</p>	
<p><b>B.</b></p>	<p>If one of the connection errors screens is shown as in the pictures beside:</p> <ul style="list-style-type: none"><li>- 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”</li></ul>	

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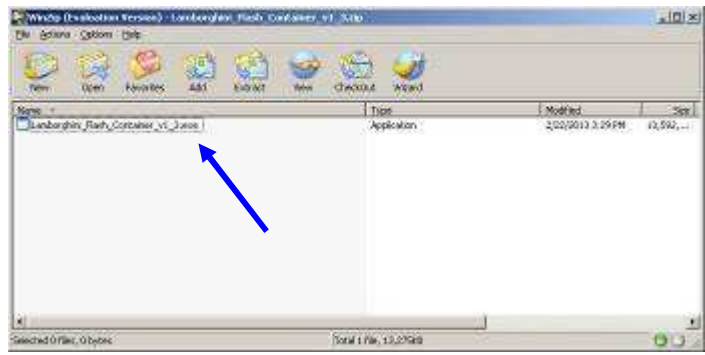
<p>C.</p>	<p>If the incorrect identification message is shown as in the picture beside</p> <ul style="list-style-type: none"><li>- be sure that your Geko account is valid</li><li>- be sure that the label “Geko” is written on the token that you are using for the authentication</li><li>- click on Cancel and perform the application test coming back to “Special functions” and running the program “Check SVM communication” following the instructions.</li></ul>	 <p>The screenshot shows a software interface with a dark theme. At the top, there's a header with 'LAMBORGHINI' and some system information. The main area displays a message box with text in Italian, including 'Errore di comunicazione SVM' and 'Controlla che il tuo token sia correttamente collegato al rispettivo telefono'. Overlaid on this is a smaller dialog box with fields for 'User name' (containing 'DEF123456') and 'Password', and buttons for 'Apply' and 'Cancel'.</p>
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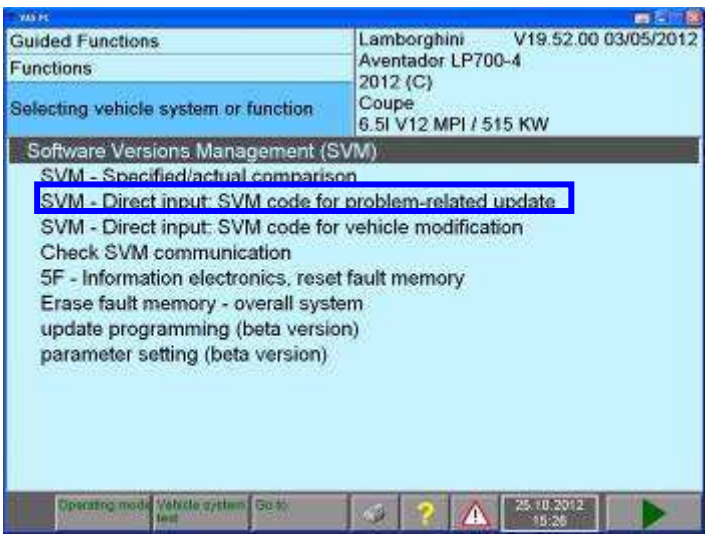


Back-up procedure using the VAS-PC

1	Make sure to have installed the VAS-PC version 19.55 (see information bulletin BI.07.13)
2	Connect your Lamborghini Diagnosis Tester to internet and log on the Lamborghini web portal.
3	Open the section Customer Service / Download / Diagnosis SW / 2013
4	Download the file “Lamborghini_Flash_Container_v1_3.zip
5	<p>Double click on the just downloaded zip file and then open the file Lamborghini_Flash_Container_v1_3.exe , as shown in the picture beside.</p> <p>Install the flash container</p>
6	<p>Start the VAS-PC double clicking on the DiagStarter icon on the desktop of the diagnosis laptop, then select VAS-PC.</p> <p></p> <p>In the case ODIS Service was not already installed on the diagnosis laptop, start the VAS-PC from the icon </p>



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<p>7</p>	<p>Select “Guided Functions”.</p>	
<p>8</p>	<p>Select “SVM – Direct input: SVM code for problem related update” and click on  to add the program into the test plan.</p>	
<p>9</p>	<p>Enter the code <b>L834A0113</b> then click on  to confirm</p>	

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<p>10</p>	<p>Wait until the data acquisition from all control modules is completed.</p>	
<p>11</p>	<p>For the online authentication a valid GeKo account is necessary. <u>Be sure that your internet connection is working properly.</u> Click on “Done” to access the Login window.</p>	
<p>12</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. Then confirm clicking on OK.</p>	

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If one of the 2 screens appears as shown in the pictures beside click on “Done”.

Case 1: go to next step **14**

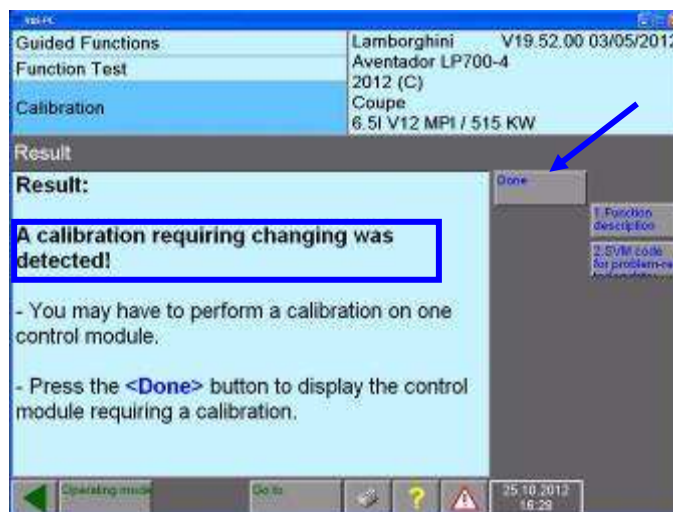
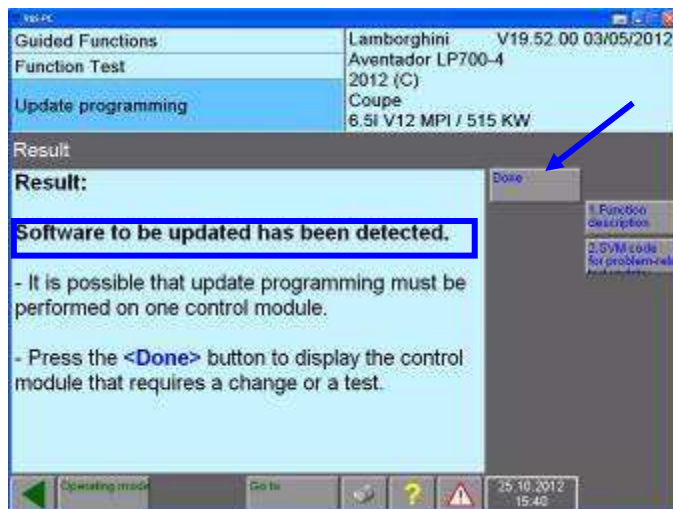
Case 2: go to step **16**



**13**

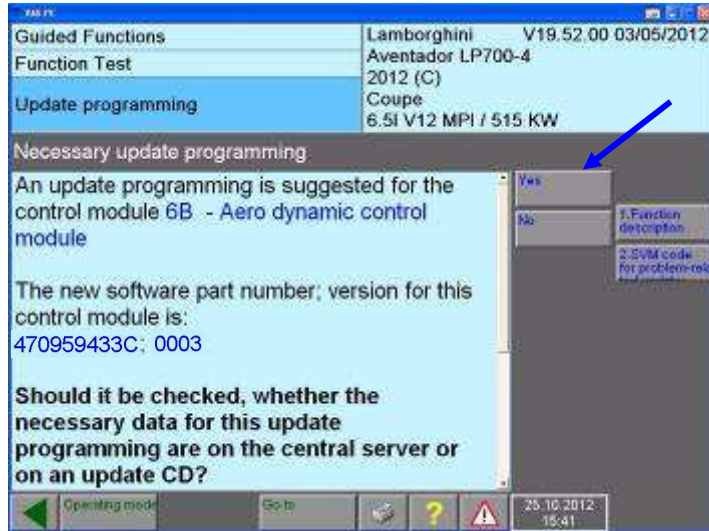
If none of the 2 screens shown in the picture beside **DOES NOT** appear, the SVM system has **NOT** recognized any update for the aerodynamic control module (GFA) ECU.

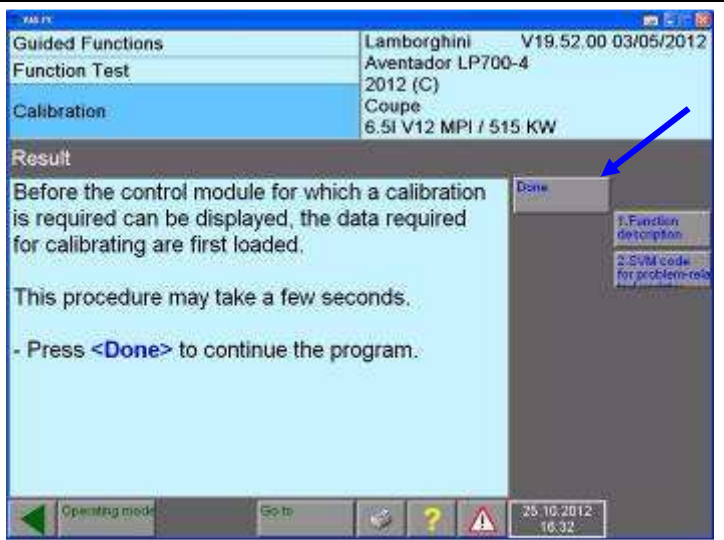
Exit from the update procedure or contact the mail address:  
[service.department@lamborghini.com](mailto:service.department@lamborghini.com)



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<p>14</p> <p>The new aerodynamic control module (GFA) software part number and version will be <b>470959433C; 0003</b></p> <p>Press “Yes” to continue.</p>	
<p>15</p>	<p>Once the update programming has been completed successfully a feedback is displayed. Click “Done” to continue.</p> <p>If the update programming has not been completed or has been unsuccessful:</p> <ul style="list-style-type: none"> <li>- turn the ignition OFF</li> <li>- wait 1 minute before turning the ignition ON again</li> </ul> <p>if offered by the program: select “Repeat” to retry the update programming, otherwise repeat the procedure from step 8.</p> <p>In the next steps an ignition OFF – ON cycle is necessary to restart the ECU. Click “Done” to continue.</p>
<p>16</p>	<p>An electronic configuration (calibration) on the aerodynamic control module (GFA) is necessary.</p> <p>Click on “Done” to start the calibration setting update.</p> <p>Click on “Done” to download all the necessary data.</p>



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<p>17</p> 	<p>Press “Done” to continue with the calibration no.1.</p> <p>In the next step are written to other no.27 calibrations. Please always press “Done” until the calibration procedure is completed.</p>
<p>18</p>	<p>Click on “Done” to complete the calibration procedure. Click again on “Done” to start the data report. Wait until the data acquisition from all the control modules is completed.</p>
<p>19</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 aerodynamic control unit (GFA) has been completed successfully and all the information have been stored in the system. Press on “Done”.</p>	
<p>20</p>	<p><u>Erase fault memory</u></p> <p>Go back to the Software Version Management menu. Select and run the program “Erase fault memory – overall systems” to clear all the faults stored because of the software update.</p>
<p>21</p>	<p><u>Basic Settings GFA</u></p> <p>Please execute the correct adaptations of the aerodynamic control module (GFA) after the software programming: from the menu “6B – Aerodynamic control unit” select and run the program “6B – Basic setting”.</p> <p>Perform the calibrations of 1 – rear spoiler and 2 – side airflow flaps</p>

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Your Area Manager is at full disposal for further information.

Best regards

Customer Service

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