

ToAll Lamborghini Dealers and Licensed Service PointFromCustomer Service DepartmentSubjectSoftware update of the GFA ECUGroup824.9.71Date18.11.2008Pages6

**Subject** Software update of the GFA ECU.

## **Model/VIN Range**

All Murcielago LP 640 Coupè and Roadster. From VIN B93254 to VIN B93392 inclusive.

<u>Attention</u>: As not all vehicles from this VIN range are affected, please carefully check on the Lamborghini Web-portal VIN-Info section if the vehicle is affected by this Service Campaign before the start of any updating.

#### Information to the field

As a result of company's continuous product monitoring, Automobili Lamborghini S.p.A. has found that, in some vehicles, the GFA ECU could cause an incorrect visualization of production of the ECU.

This rework action must be also performed on all vehicles in your stock.

# **Field solution**

Follow the instructions in this document for the software update of the GFA ECU.

#### **Spare Parts**

None required.

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Automobili Lamborghini S.p.A.



### Warranty Claim data

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

| Campaign Code:         | L824-A.06.08                   |
|------------------------|--------------------------------|
|                        | L825-A.06.08                   |
| Campaign Description:  | Software update of the GFA ECU |
| Cost Code:             | 50                             |
| <b>Component Code:</b> | CCA0608                        |
| Trouble Code:          | 220                            |
| Labour Code:           | CCA0608100                     |
| Labour Time:           | 0,5 h                          |

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

| Campagne service assistenza e campagne di richiamo / Service et campagne de rannol / Ca      | Service-und Rückrufaktion / Service and Recall Campaign                                |
|----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
| Service/Service Richiamo/Rückruf                                                             |                                                                                        |
| Service/Service Recall/Roppel<br>Servicio Llamada a Taller                                   | Service/Service Recall/Rappel Servicio Llamada a Taller                                |
| Numero/Nummer<br>Numero                                                                      | Numero/Nummer<br>Numbur/Numéro                                                         |
| Data/Datum/Date/Date/Fecha                                                                   | Data/Datum/Date/Date/Fecha                                                             |
| Data riparazione/Reparat urdatum<br>Repair Data/Date de reparation<br>Pecha reparatición     | Data risarazione/Reparaturdatum<br>Repair Data/Date de reparation                      |
| Firma / Unterschrift / Signature / Signature / Firma                                         | Firma / Unterschrift / Signature / Signature / Firma                                   |
| Service/Service Richismo/Rückruf<br>Service/Service Recall/Rappel<br>Servicio Liamada Tallor | Service/Service Richiamo/R0ckruf<br>Service/Service Recall/Rappet                      |
| Numero/Numero                                                                                | Numero/Numrer<br>Number/Numfra<br>Nimero                                               |
| Deta/Datum/Date/Date/Fecha                                                                   | Data/Datum/Date/Fecha                                                                  |
| Dela rigenzione/Reparaturdatum<br>Repair Data/Date de réparation<br>Fecha reparación         | Data risarazione/Reparaturdatum<br>Recalir Data/Date de réparation<br>Fecha reparación |
|                                                                                              |                                                                                        |



## **Workshop instructions**

- **1.1** Please observe all safety precautions in order to prevent personal injury or damage to the vehicle.
- **1.2** Connect the diagnostic laptop at the vehicle using the PC CAN interface (p/n 69190193 USB PC CAN) or (p/n 69190206 Parallel PC CAN) and the Basic XS interface (p/n 66095011) with the black cable (p/n 69190206).
- **1.3** Turn the ignition key to the ON position and start the LaRa software. Open the Automatic Mode and check the correct reading of the VIN. Select the Documentation window (1-Pict.1).





| Pict.2                                                                                              |                                                                                                                    |                                                                                  |
|-----------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|
| Action Options Help                                                                                 |                                                                                                                    |                                                                                  |
|                                                                                                     |                                                                                                                    | <b>2</b> *                                                                       |
| ← Main menu                                                                                         | Function menu                                                                                                      |                                                                                  |
|                                                                                                     | 😂 LaRA                                                                                                             | DTC count Serial num                                                             |
| Main menu<br>Automatic mode<br>Function menu<br>Setup                                               | LaRA Downloadmanager                                                                                               | 0 20         ▲         2         BPG-8101           ✓         0         6-FN6WN4 |
| ECU Identification<br>Read Fault Code Memory                                                        |                                                                                                                    | 0 20 🕂 1 BPG-8101:                                                               |
| Erase Fault Code Memory<br>E-Gear Snap                                                              | Registration 🔀                                                                                                     | 0 RB8-658 1                                                                      |
| E-Gear<br>Learn remote<br>Learn keys<br>Write to LTE<br>Documentation<br>ECU check<br>Analysis mode | Login informations for<br>Lamborghini Portal<br>Username excwart<br>Password<br>Using proxy? Settings<br>OK Cancel | 0 Device: 00                                                                     |
|                                                                                                     |                                                                                                                    | >                                                                                |
| Vertice C1 (Duild 143) / 2.12                                                                       | O1 Engine electronics                                                                                              | At 05 05 1/2/07 147                                                              |
| 72(5)011/5/1 (BUIID 143) / 2/1/                                                                     | Gailardo Coupe LP960-4 INTUS - VIN. ZHWGE94159LA0/842                                                              | 04/05/08 16:02:45                                                                |

**1.4** Download the ZIP file from the Lamborghini Portal using the Username and Password of your own token (1-Pict.2).

**NOTE:** In case internet connection is not available during the data acquisition, the zip file can be download later but within a deadline of 7 days.





**1.5** After having downloaded the ZIP file, return at main menù, select Automatic Mode and select Setup (1-Pict.3)



1.6 Select the GFA ECU (1-Pict.4), along with the LIE 1-6 engine ECU and the LIE 7-12 engine ECU (2-Pict.4). Click the ECU check & LDAS button (3-Pict.4) to start up the settings. Wait for the complete updating of the software. Afterwards, turn the ignition key OFF and wait for at least 10 seconds before turning the key to ON again.

| Pict.4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                          |                                     |             |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
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| 😘 LaRA - [After Sales]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                          |                                     |             |                | <b>- - X</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Action Options Help<br>: Stimulate ECU.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                          |                                     |             |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
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| + Main menu                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Back to<br>Function memu |                                     | Setup       |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Automatic mode                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 🔁 🛃 ECU                  | Part number                         | SW version  | ECU check      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Function manu<br><u>Setup</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 00 Airbag                |                                     |             |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| E-Gear Inap<br>ECU-Check                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 🕐 🗹 01 G.F.A.            |                                     |             |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Ansiyala mode                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 02 E-Gear                |                                     |             |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
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| Working                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 3                        |                                     |             |                | and the second s |
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| and the second sec | ECU check & Setup        | Print                               | Z/          |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Version 5.2 (Build 147) / 2.22                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                          | Murciélago LP640 MY09 🕠 VIN: ZHWBE3 | 7509LA03359 |                | 03.10.08 15:19:15                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| 🐉 start 🔰 😽 LaRA - [                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | After Sales] 🦉 3 - Paint |                                     |             | ¢ <b>¤</b> \$0 | 🕏 🛒 🏷 🖥 🎪 🖻 🏹 💭 3:19 PM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
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**1.7** Return at main menù, select the Automatic Mode button and erase the errors present in the vehicle's ECU if any (see also the workshop manual istructions 10 90 00).

Your Area Manager is at full disposal for further information.

Best regards

### **Customer Service**