



# Ferrari North America

## Technical Information

Date: June 2017  
Bulletin #: 2420  
Campaign #:  
Supersedes:  
Section: 8

**Model Type:** LaFerrari / LaFerrari Aperta  
**Model Year:** All  
**Subject:** High Voltage Battery (HVB) control unit software update

Please note that the high voltage battery (HVB) control unit software must be updated in order to optimize charging performance and system trickle charging when the vehicle is parked on vehicles produced **from production start to Assembly No. 144441 (from VIN No. 199203 through VIN No. 225234).**

The list of vehicles involved in the update is viewable on the Modis CS site, using the "Recall and Service Campaign Management" function, entering the campaign number indicated below.

The software to be installed is:

- HVB SW Update (11.13)



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## Procedure

### - IMPORTANT -

If the aforementioned activity IS NOT LISTED on the DEIS Server, or if the software version to be loaded DOES NOT MATCH the version indicated in this bulletin, contact the FNA Help Desk and wait for further instructions.

### - IMPORTANT -

**This update **must** be performed with the PC-Tester DEIS updated to the latest software versions indicated as follows (or later versions):**

<b>- Module 0</b>	<b>Portal and Troubleshooting</b>	<b>47</b>
<b>- Module 1</b>	<b>DEIS Diagnostic software</b>	<b>76</b>
<b>- Module 2</b>	<b>Technical Documentation</b>	<b>12</b>
<b>- Module 3</b>	<b>Tools</b>	<b>7</b>

**Check the software number and, if necessary, update your DEIS Tester immediately.**

**After updating the DEIS, the first vehicle diagnostic cycle must be performed using a cable connection.**

### - IMPORTANT -

Software downloading procedures must be performed with the cable DEIS-VCI connection, and NOT with Bluetooth and/or W-LAN connections.



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**- IMPORTANT -**

The software downloading/updating procedures are extremely sensitive. Therefore, it is recommended that you should connect the 12V (LVB) battery to a "Fronius" Acctiva Professional 35A battery charger or another battery charger that supports a lithium battery. Contact FNA directly for the correct setting for lithium batteries of the Fronius battery charger.

**- IMPORTANT -**

If multiple downloads are necessary, always perform the downloads one at a time.

**- IMPORTANT -**

To perform the downloading procedure, make sure that you have at least 50% of fuel in the tanks.

- Connect the DEIS tester to the power unit.
- Connect the DEIS tester to the VCI interface with the specific network cable.
- Press "DEIS" to launch the diagnostic program.
- Check that the PC-Tester DEIS software is updated to the latest version.
- Select the **HVB** node and press "Extended Identification".



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- Save the identification parameter of the **HVB** node installed in the vehicle.
- Before downloading, make sure that there are no errors in the **HVB** ECU. Rectify any problems indicated by the ECU before starting the software update procedure.
- Press “**Activities**” and follow all the steps for a normal software update procedure as prompted by the DEIS tester.
- Check that the ECU software update procedure has been completed successfully by comparing the identification parameters of the ECU against the parameters prior to the update. Select the **HVB** node, press “**Extended Identification**” and check that the “**DRAWING NUMBER**” and “**SOFTWARE VERSION**” values match the downloaded software and that the “**PRODUCTION DATE**” value is the date in which the download procedure was performed – Fig. 1.

Extended Identification	DTC	Fig. 1
ECU		
Engine Left	DRAWING NUMBER	
	HARDWARE NUMBER	
	HARDWARE VERSION	
	HOMOLOGATION NUMBER	
	ISO CODE	
	PRODUCTION DATE	
	SOFTWARE NUMBER	
	SOFTWARE VERSION	
	TESTER CODE	

- At the end of the procedure, remember to save the identification parameter for the selected node.
- Check that there are NO errors stored on the **HVB** node.

**NOTE:** If any errors are stored, open a **ROL**.



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- Run the DEIS "961 HVB BMC flashing" cycle
- Disconnect the stabilized battery charger from the vehicle.
- Close the diagnostic program and disconnect the interface from the vehicle.
- When the download operations have completed, carry out the instructions below.
- Perform a key cycle (KEY OFF → KEY ON → KEY OFF) and close the compartment lids and the doors.
- Wait for the vehicle to enter Sleep Mode.
- Ensure that any errors are actually invalidated and perform error cancellation using the DEIS tester.

### - IMPORTANT -

If any errors remain, a ROL must be opened.

- Road test the vehicle:
  - total 10 Km.
  - normal driving.
- Check for ECU errors with the DEIS tester using the "SCAN OUT" function. Resolve any problems that arise.

**NOTE: The SCAN OUT procedure is mandatory for vehicle approval.**



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## Services under warranty

The costs incurred for this service must be recovered through our **Warranty System** indicating:

### LaFerrari

› Campaign number .....	451
› Cost code .....	23
› Malfunction code.....	50.8.90.114
› Problem code .....	01
› Operation code .....	50.0.90.311.0
› Time.....	allowance 1.50 hours

### LaFerrari Aperta

› Campaign number .....	451
› Cost code .....	23
› Malfunction code.....	54.8.90.114
› Problem code .....	01
› Operation code .....	54.0.90.311.0
› Time.....	allowance 1.50 hours

The update described in this Technical Information must be completed by and no later than **August 31st, 2017**.

Thank you for your co-operation.