



Ferrari North America

Technical Information

Date:	September 2017
Bulletin #:	2419
Campaign #:	449
Supersedes:	
Section:	8

Model Type: GTC4Lusso/ GTC4Lusso T
Model Year: All
Subject: Software update for NBC ECU

Please note that the software update procedure for the Body Computer (NBC) ECU, described as follows, must be performed to update vehicles produced **from start of production to Assembly No. 144678 (from VIN No. 215293 to VIN No. 227267)** to reflect the configuration of vehicles currently in production.

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 that must be installed for both models is:

- NBC SW Update (06.11)



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Procedure

- IMPORTANT -

If NBC software update (6.11) 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 -

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

- IMPORTANT -

If, upon connecting the DEIS, the pending activities include multiple downloads for the same ECU, always load the most recent software version and contact FNA Help Desk for the correct management of the previous software versions.

- IMPORTANT -

As the download procedure is extremely fragile, lift the engine compartment lid, remove the cosmetic inspection shield and connect the battery to a stabilized battery charger.

- IMPORTANT -

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



- IMPORTANT -

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

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

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 -

If the software update is not successful, repeat the procedure immediately without switching off the DEIS Tester and disconnecting it from the vehicle.

If the Tester is disconnected from the vehicle, the VIN may not be recognized next time it is connected and you will not be able to continue with other tasks.

- Connect the DEIS tester to the power unit.
- Connect the DEIS tester to the VCI interface with the specific network cable.



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- Press “**DEIS**” to launch the diagnostic programme.
- Check that the PC-Tester DEIS software is updated to the latest version.
- Select the **NBC** node and press “**Extended Identification**”.
- Save the identification parameter of the **NBC** node installed in the vehicle.
- Before downloading, make sure that there are no errors in the **NBC** 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 **NBC** 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	



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- 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 **NBC** node.
Note: If any errors are stored, open an **ROL**.
- Close the diagnostic program and disconnect the interface from the vehicle.
- Disconnect the stabilized battery charger from the vehicle.
- 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 warranty approval.



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Services under warranty

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

Step

Model GTC4Lusso

› Campaign number	449
› Cost code	23
› Malfunction code.....	47.8.53.014
› Problem code	01
› Operation code	47.0.90.317.0
› Time allowance	0.50 Hours

Model GTC4LussoT

› Campaign number	449
› Cost code	23
› Malfunction code.....	46.8.53.014
› Problem code	01
› Operation code	46.0.90.317.0
› Time allowance	0.50 Hours

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

Thank you for your co-operation.