Official After Sales Network Gateway Update 05 April 2019 9



Campaign code: <u>L636-B.09.19</u>

To:

Date:

Pages

Subject:

Campaign Name: Gateway Update

Model: Urus

Rev.00

Model year: From 2019

Special or limited editions: All versions

Markets: Only NAR market

VIN identification: From KLA02065 to KLA04068

Important: before proceeding with the repair, connect to the warranty portal and use VIN Info to check that

- The vehicle is actually affected by the instructions given in this bulletin; some vehicles may not be, even when their VIN is included.
- Procedures are identified by a letter (e.g. A, B or C....etc., whose differences will be explained later in this bulletin); make sure that the spare parts corresponding to the assigned procedure are used.

	Example	
VIN		
17 DIGITS	VIN	
MODEL NA	ME	
Start Warranty DD/MM/YYY	Y	End Warranty DD/MM/YYYY
Outstandin	ng Campaigns	^
Code Type	Description	Bulletin Proc.
LXX- A.XX.XX	CAMPAIGN NAME	



Procedure A will be available only when the instructions require a preliminary check to be performed to determine whether or not the vehicle actually needs updating.

Information to the network:

As a result of the continuous monitoring of the product, Automobili Lamborghini S.p.A. has released a new update for the Gateway ECU of Urus. This update contains improvements for vehicle ignition management.

Operations:

The following instructions include the step:

- Step B: Gateway sw update and configuration

Solutions for the network:

Update the car as stated in the instructions.

Replacement parts:

Please order the indicated codes along with the following steps

- Step B: Gateway sw update and configuration

Cod.	Description	Q
n/n	n/n	0

Management of replaced parts:

Store the parts removed from the vehicle in a suitable manner, marked with their barcode for identification during visits by the competent Area Manager.

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Labor:

_ Step B: 1,30 h

Pages

To:

Bulletins superseded: None.

Warranty instructions:

To request reimbursement for the corrective action performed, access the Warranties section of the Lamborghini Portal and follow the "Campaigns" entry instructions in the W.Claim manual which can be downloaded from the Portal.

Select the required campaign and proceed with entry, carefully reading the options present in the alert displayed by the system (see example) and select the option performed on the vehicle.

Header		
сс	•	
Proble A-Test 1	Cost	Code 50 Service Campaign
B-Test 2		
C-Test 3		

Depending on the option performed, the reimbursement will be structured in the following manner:

OPTION B – Gateway update and configuration Labor: 1,30 h spare parts: none



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Attach all documents generated during the work carried out as evidence of the work itself, for instance workshop orders, diagnostic protocols etc. If one or more of these is missing it may lead to a rejected reimbursement request.

Fill out the Service and Recall Campaign section in the warranty booklet, which is shown in the figure below.



Tools/Materials required

Cod.	Descrizione.	Q		
n/n	n/n	0		

Preliminary operations:

1. Ensure you have recently synced with the Mirror server by checking the last synchronization date: http://mirrorserver/maintenance/diagnosis.py

or by directly entering the Btac-box IP address:

http://[IP_address]/maintenance/diagnosis.py

if you have not previously set the IP alias of the mirror server.

(e.g. http://12.34.567.890/maintenance/diagnosis.py) L636-B.09.19

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IMPORTANT:

Make sure that the last synchronization was performed after December 18, 2018.

MS/2 Diagnosis

Configuration		
Base path	/var/www/desert	
Provider URL	https://altair.mirrorserver2.net/deployment	
Repository URL	https://altair.mirrorserver2.net/storage	
Feedback URL	https://altair.mirrorserver2.net/health	
Ргоху	not used	
Key file	/var/www/desert/certs/userkey.pem	
Certificate	/var/www/desert/certs/usercert.pem	
Tests		
Local file/directory permissions	ОК	
Disk space	ок	
Provider reachable	OK (altair.mirrorserver2.net)	
Repository reachable	OK (altair.mirrorserver2.net)	
Feedback reachable	OK (altair.mirrorserver2.net)	
Provider WebDAV access	OK (https://altair.mirrorserver2.net/deployment)	
Repository WebDAV access	OK (https://altair.mirrorserver2.net/storage)	
Feedback WebDAV access	OK (https://altair.mirrorserver2.net/health)	
Successful package downloads	9	
Failed package downloads	0	
Last Sync	18/10/14 21:05:08	
Start tests		



The instructions contained in this bulletin are based on the ODIS diagnosis software updated to version 5.0.4 and the Lamborghini 2.14.4 or later database (refer to information bulletin BI.07.15 and make sure that ODIS Service is properly updated on the laptop).

Version information	-	X
Version information		
Product version:	5.0.3 - B50_3_2_6-20180905	
Main feature:	75.0.10	
Diagnostic data:	didb_GFS-I.de_DE: 2018.06.00 / 2.13.3 didb_GFS-I.en_GB: 2018.06.00 / 2.13.3	•
	didb_GFS-l.od_OD: 2018.06.00 / 2.13.3	•

2. It is essential that you connect an appropriate battery charger to the charge points available in the engine hood (left side of the vehicle). Please refer to the following figure.



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Work instructions:

The updating procedure described here includes the following steps:

- I. Gateway sw update and configuration;
- II. Erase fault memory;



Do not perform other types of activity on the car while executing the campaign.

<u>Carrying out the procedure blindly implies unsolvable damage to the control unit and resulting replacements.</u>



NOTE:

Secure the key On during the entire procedure for updating the various listed systems. Start a diagnostic session with ODIS Service and keep the diagnostic interface connected to the OBD socket. Do not close the ODIS program or use it for other purposes.

I. Gateway sw update and configuration:

Refer to the procedure in the workshop manual regarding "*Implementation of an SVM code*".



Improper use of this function can cause damage to the *ECUs*.

1. To start the procedure to execute an SVM code, select the "Special functions" card in ODIS.



2. Click on "SVM–Direct input: SVM for problemrelated update" and then on "Run test".

Control units add DILS T2" Test das Gesene Tests for the complete vehicle Status Tests 0019 - Flight mode deactivat 0019 - Transport mode activat 0019 - Cransport mode activat	er Special functions			Operating modes *
Tests for the complete vehicle Status Tests 0019 - Flight mode deactivat 0019 - Transport mode activ 0021 - Enable/disable 48V s	20			🖓 Diagnosis
Status Tests 0019 - Flight mode deactivati 0019 - Transport mode activ 0021 - Enable/disable 48V s)	on de Man-Brote		*	
0019 - Flight mode deactivat 0019 - Transport mode activa 0021 - Enable/disable 48V sy	an de la contrate			A Self-diagnosis
0019 - Transport mode active 0021 - Enable/disable 48V sy	de ideactivate			Flash re-programming
0021 - Enable/disable 48V sy	Non-Weiters of Million			🕰 Test instruments
	stem			😪 Info
- 0637 - Battery (12 V), check				Admin 😪
Bata report Powertrain				Protocol A
· · · · · · · · · · · · · · · · · · ·	elle.			General
				Save
0001 - Engine Electronics - 1	mmobrizer overall status			3 Print
0002 - Gearbox electronics -	immobilizer overall status			Diagnostic protocol
002B - Steering column lock	control unit - immobilizer overall status			Send .
 0046 - Convenience system 	entral module - immobilizer overall status			D Copy
Software Versions Management (SV	d)			Send ext.
 Erase fault memory - overall 	system		=	Self-diagnosis protocol
SVM - Direct input: SVM cod	a for problem-related update			D MA
SVM - Specified /Actual Corr	parison			e Abo
				ISL Display
SVM - Direct input: SVM code for problem-relat	ed updateThe SVM - Direct input: SVM code for prob	em-related update is applied when a specific change	e to control units is to be	Ca Added in cýcles
			~	ि Cyclic stop
Perform test Show documents				» 🗵 🔾

3. Enter the campaign code "L636B0919" in the appropriate space at the top right and click "Adopt".



4. The SVM code entered is again displayed in the dialog box. If the entered code is correct, click on

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"Yes". Otherwise click on "No" to cancel the SVM procedure.

5. Wait for data to be acquired from all the control units. This operation requires a few minutes.

C Officiard Diagnostic Information	System Service + 4.3.3				
Importer:	INT	Vehicle identification no.:	ZPBEA12LXKLA00104	🥔 🏪 🏷	(Lunchern)
Dealer:	00088	Engine:	4.01 V8 FSI / 478 KW	e e	(A
Control units Linhs DISS	TPI Test plan Secuence So	ciel functions			Operating modes *
THE Direct level (199	and a feature bland and				Diagnosis
SVM code input	code for problem-related upo	310			🇯 Self-diagnosis
			×.		Flash re-programming
SVM code inpu	t is started.				Test instruments
Please wait, the	vehicle diagnostic	tester will continue to switch a	automatically		🛞 Info
					@ Admin
15:30:54					Protocol 8
					General
					H Save
					3 Print
					Diagnostic protocol
					Conv
					Sand out
					Self-discrosis protocol
					New
) Add
					Display
					Added in cycles
			-		G Cyclic stop
A 100 A 1	I< <	S > > >	Help Cancel test		≫ ⊠ ⊙

6. To run the SVM function and access the Lamborghini servers, you must have a valid GeKo account. Ensure that the laptop is correctly connected to the Internet. Enter your GeKo username in the "User name" field and the PIN 1324 + the 6digit code currently displayed on the GeKo token in the "Password" field.



Click "Adopt" to confirm.

- 7. The SVM function will automatically continue with identification of the control units in the vehicle.
- 8. It might become necessary to perform one or more of the following operations in the SVM procedure:
 - Coding;

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- Parameterization;
- Calibration.

To perform these actions, it is usually necessary to click on "Done/Continue" where requested and to follow the instructions directly provided on the ODIS dialog screens.

9. Click "Done/Continue" until the control unit 19 updating procedure is completed.

😋 Offboard Diagnosti	c Information System Service - 5.0	.4		-		3 💌
Importer: Dealer: Job:	INT 00088	Vehicle Identification no.: Engine:	ZPBEA1ZL3KLA00669 4.0I V8 FSI / 478 kW	🧈 🏪 🏷 🞫 9		
Control units Jot	s DISS TPI Test plan	Sequence Special functions			Operating modes	\$
SVM - Direct inc	out: SVM code for problem	-related update		Done/Continue	🤣 Diagnosis	
ERP - Evaluate	information			- Done dona na e	🍘 Self-diagnosis	
The selected fea	ature of Software Version	Management (SVM) will be executed.	*		Flash re-programmin	ng -
Status:		the shead and as a second			Test instruments	
The query was o	documented, and all chang	ges stored in the vehicle design status.			📦 Info	
					G Admin	
					Protocol	×
					Data	¥
					Extras	¥
					11-1-	ž
			*		riep	÷
		< < > >	Help Cancel test		» 🕅 🛛	3
						_

- 10. Click "Done/Continue".
- 11. Switch the key OFF for a few seconds.
- 12. Switch the key ON.
- 13. Select the function "19 Read identification data" from the "Guided functions" of control unit 19.



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MPORTANT:

The following image is an example.



14. Check that Software Part Number, Software Version, Record Number and Record Version installed are consistent with the "Table of reference for control unit 19" below.

Table of reference for control unit 19 (Gateway)				
Software P.N.	Software Version	Record Number	Record Version	
4K0.907.468.H	0207	4ML.909.515.C	0009	
4K0.907.468.J	0207	4ML.909.515.C	0009	



If the "Software P.N." changes as described in the table above but the "Software Version" does not change, the update is successful in any case.

II. Erase fault memory

15. Select the "Special Functions" card and then "Erase fault memory - overall system" in order to delete all stored faults.



The complete guide for deleting faults is available in the workshop manual, chapter "10.00.B-Deleting the data in the fault memory of control units".

16. Go back to the "Block diagram" card and select "Read all fault memories" from one of the vehicle's control units in order to update the display of the faults present after deletion.





<u>Resolve any faults still present by performing the</u> functions listed in the "Test plan". Perform the procedure "II. Fault memory deletion" again until all faults are fully removed from the vehicle's control units.

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/* Diagnosis protocol saving */

17. Save the Diagnostic protocol as described in the chapter "10.00.H-Saving the diagnostic protocol" when the procedure described in this document is completed.



The Diagnostic Protocol must be attached to the Corresponding Warranty Request (to enter the request on the web portal, refer to the W.Claim manual which you can consult in the Warranty section of the portal).

Trouble shooting:

i. If the following error screen is displayed, abort the guided function by clicking on "Cancel Test" and contact Technical Support.

Official Diagnostic Information System Service - 41.3				
Importer: INT Dealer: 00088 Job:	Vehicle identification no.: Engine:	ZHWCG4ZD0JLA06509 6.5I V12 MPI / 544 KW - Aventador 3	s 🧖 💺 🏷	
Control units Jobs DISS TPI Test plan Sequence S	oecial functions			Operating modes *
J412 - Activate TSU update mode			Captions	Diagnosis
Enable TSU update mode			Continue	Self-diagnosis
A		*	Cancel	Flash re-programming
The following error occurred during control unit commun	sication:			Test instruments
Error 6 during control unit communication, job WriteCodingValueS2 Please select	E, control unit DashBoard. ECF error text: ERROR_ARGUMENT	2		😫 Info
 If you press Control, communication with the control unit will be If you press Cancel, communication with the control unit will be 	terminated and the test will be cancelled.			@ Admin
				Protocol X
				TOTOLO
				Data a
				3 Print
			Installation location	Diagnostic session
				Stop
				(\$ Next
				Hotfix
				W Get
				C Delete
				Extras *
		-		
		Help Canceltest		۵ 🐹

- ii. If an error is displayed that regards the hardware interface, and the "connection to vehicle" and "key state" icons appear as shown in the figure below:
 - Click "Cancel"
 - Repeat installation of the interface VAS5054 per the instructions in procedure (*) "VCI Manager v2.0", selecting the right-hand "Extras" menu in ODIS and clicking on the "Diagnostic interface" button.



- iii. If one of the following connection errors is displayed like in the following example screenshots:
 - It is not possible to connect to the central server; check that your laptop is correctly connected to the Internet and retry by clicking on "Yes" or "Done/Continue", as appropriate.



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- iv. If the connection is dropped during the course of the target/actual comparison during the SVM procedure:
 - It is not possible to connect to the central server; check that your laptop is correctly connected to the Internet and retry by clicking on "1".

Officerd Diagnosis Information System Jensee 1888 Importer: INT Dealer: 00088 Job:	Vehicle identification no.: Engine:	ZHWEF32D2FLA03477 6.8 V12 MP1 / 652 KW	🧈 🏪 🏷		
Control units Orders DISS TP1 Test plan Sequence 5	pecial functions			Operating modes *	
Problem related hardware and software update			-1	O Diagnosis	
Sending identification data			. 2.	🍘 Self-diagnosis	
The following event has occurred:		[*]		G Flash re-programming	
• The identification data read from the vehicle was not to	ansmitted to the Software Version Management (S	SVM).		Test instrument	
Communication with the Software Version Management (SVM) is currently not possible.					
- Check whether the Vehicle Diagnostic Tester with the re	spective hardware is still connected to your online	network.		(Q) Admin	
How do you want to continue?					
1. Have another attempt to send data to the Software Ven	ion Management (SVM)			Protocol ¥	
2. Cancel program, the data will not be sent to the Softwa	re Version Management (SVM)			Data ¥	
			Function description	-	
1			Instructions for settings	Extras •	
				Help ¥	
				Information ¥	
				Trace •	
		Help Cancel test		> 🛛 🖉	

v. If the authentication error as shown in the following screenshot is displayed (error code: ODS1007E):

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- Ensure you have a valid GeKO user account
- Ensure that the "GeKo" label is printed on the token you are using
- Ensure you have entered the correct password

 Click on "Cancel" and run the application test (see document "ODIS_ControlloConnessione_Server_S VM_2.0"^(*)).

🖏 Login					23
User name					
Password					
Connection: Negative response	e from server: au	thentication: inval	d user / password	d. The error ID	is CBS0004E.
				Adopt	Cancel

- vi. If the infrastructure error as shown in the following screenshot is displayed (error code: ODS9212E):
 - Ensure you have a valid GeKO user account
 - Ensure that the "GeKo" label is printed on the token you are using
 - Check that the Internet is set in ODIS settings and not CPN (see document "Setup_Iniziale_ODIS_2.0" (*))
 - Click on "Cancel" and run the application test (see document

"ODIS_ControlloConnessione_Server_SVM_ 2.0" (*)).



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- vii. If the same error type should reoccur during the application test, try the following procedure:
 - Exit ODIS
 - Browse to the folder C:\Program Files (x86)\Offboard_Diagnostic_Information_ System_Service\.automatic_sessions on your diagnostic laptop
 - Delete the only file which will be in the folder
 - Restart ODIS Service, ensuring that:
 - 1. You have a network connection
 - 2. The ODIS connection is set to Internet
 - Run the connection test again, and perform the SVM again with your GeKo Token.



IMPORTANT:

If the error occurs again, repeat the procedure and try with a second GeKo token, if available.





NOTE^(*)

All ODIS technical documentation can be viewed on the Lamborghini web portal, in the corresponding ODIS section.



IMPORTANT:

The documents which must be provided with the warranty request are:

- Produced Repair Order
- Saved Diagnostic Protocol

Failure to follow these procedures could lead to the request being rejected.

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