		GROUP	NUMBER	
GENESIS		CAMPAIGN	23-01-005G	
		DATE	MODEL(S)	
Tech	nical Service Bulletin	JANUARY, 2023	G70 (IK)	
SUBJECT: G70 HEADS-UP DISPLAY (HUD) BRIGHTNESS LOGIC OPTIMIZATION (SERVICE CAMPAIGN T32G)				

***** IMPORTANT

Dealers must perform this service campaign on all affected vehicles prior to customer retail delivery and whenever an affected vehicle is in the shop for any maintenance or repair.

Access the "Vehicle Information" screen via WEBDCS to identify open campaigns.

Description: Certain 2023MY G70 (IK) vehicles may exhibit a condition where the Heads-Up Display (HUD) is not brightly lit during sunny days.

This bulletin provides the service procedure to update the HUD system software to resolve the condition stated above.

Applicable Vehicles: Certain 2023MY G70 (IK) vehicles equipped with 3.3L Twin Turbo engines and produced from 10/26/2022 – 11/08/2022.

Warranty Information:

MODEL	OP. CODE	OPERATION	OP. TIME	CAUSAL PART	NATURE CODE	CAUSE CODE
G70 (IK)	20D167R2	HUD UPGRADE	0.3 M/H	94310-G9340	114	ZZ3

NOTE 1: Submit claim on Campaign Claim Entry screen.

NOTE 2: If a part that is not covered by this campaign is found in need of replacement while performing this bulletin and the affected part is still under warranty, submit a separate claim using the same repair order. If the affected part is out of warranty, submit a Prior Approval request for goodwill consideration prior to performing the work.

Information

Check if the vehicle's software version is affected:

• Check the current version of the HUD ROM ID and compare it to the ROM ID information table listed below before attempting to perform the software update.

Circulate To: General Manager, Service Manager, Parts Manager, Warranty Manager, Service Advisors, Technicians, Body Shop Manager, Fleet Repair

GDS INFORMATION:

EVENT	EVENT DESCRIPTION	
#915	"915.IK PE HUD BRIGHTNESS LOGIC IMPROVEMENT"	

ROM ID INFORMATION TABLE:

MODEL	evetem		ROM ID		
MODEL	STSTEIN		OLD	NEW	
G70 (IK)	HUD	94310-G9340	2.0	2.01	

MANUAL MODE PASSCODE INFORMATION TABLE:

EVENT	MENU	PASSCODE
#915	IK PE (SB) HUD 94310-G9110 ~ 550	9550

Service Procedure:

Cautions During Control Unit Upgrade

- Confirm the vehicle's 12V aux. battery is fully charged. Please connect a battery charger before proceeding to eliminate risk of software update failure due to insufficient battery voltage.
- Turn off all lamps (Do not leave head lamp switch in auto mode) and all accessories (heater, A/C, blower, radio, seat warmer, defroster, etc.); do not allow the battery to be discharged during upgrade.
- Perform upgrade with the ignition switch in the ON position.
- Be careful not to disconnect any cables connected to the vehicle or scan tool during upgrade.
- Do not start the engine during upgrade.
- Do not turn off the ignition switch during upgrade.
- Do not touch the systems buttons (like 'BACK', 'HOME', 'etc.') while performing upgrade.

■ CONTROL UNIT UPGRADE PROCEDURE USING THE GDS-Mobile GDS (Global Diagnostic System)-Mobile INSTALLATION PROCEDURE

1. Connect the VCI-II into the vehicle's DLC connector under the driver side instrument panel and check to turn the VCI-II on.

Before starting the update, check HUD is operating properly and make certain that the battery of the Table PC is sufficiently charged.

i Information

ECU upgrade function on GDS-Mobile is basically operating in wireless communication and Wi-Fi direct. Also, it is possible to be performing via USB cable between Tablet PC and VCI-II.



NOTICE

You must initially perform HUD Update in Auto Mode.

If the update starts but then fails in Auto Mode, perform the update in Manual Mode to recover.

AUTOMATIC UPGRADE PROCEDURE USING THE GDS-MOBILE

2. Select **ECU Upgrade** on the initial screen after entering the vehicle information and select **Auto Mode**.



3. Select the HUD system and select **ID check** to check the vehicle's current ROM ID.



Check the current ROM ID version and compare it to the ROM ID Information Table before attempting to perform the software update.



SUBJECT:	G70 HEADS-UP DISPLAY (HUD) BRIGHTNESS LOGIC OPTIMIZATION (SERVICE CAMPAIGN T32G)				
4.	Select Upgrade after confirming correct Event is selected:	G70(IK)/2023/G 3.3 T-G VCI ≱ Image: Constraint of the second			

"915.IK PE HUD BRIGHTNESS LOGIC IMPROVEMENT"

HOME Online VCI 🕸 🚱 🖂
ECU Upgrade 🧳
🖴 G70(IK) > 2023 > G 3.3 T-GDI
System
< The second sec
ROM ID
Currently in Vehicle 94310G9340_200 ID Check Latest Update 94310G9**0_201 ID Check
Event Group
☐ 915.IK PE HUD BRIGHTNESS LOGIC IMPROVEMENT
Previous Upgrade

The vehicle battery voltage is checked to make sure it is at least 12 voltages to assure reliable upgrade results. Click OK if the results indicate voltage is ok.

NOTICE

5.

If battery voltage is below 12 voltages as below, click BACK and then run the engine to ensure an adequate battery charge state for reliable upgrade results. Notice
Warning! lower Battery Voltage.
BATTERY VOLTAGE: 11.5
OK

SUBJECT:	G70 HEADS-UP DISPLAY (HUD) BRIGHTNESS LOGIC OPTIMIZATION (SERVICE CAMPAIGN T32G)					
6.	Upgrade (1/2) will begin, and the progress of the upgrade will appear on the bar graph.	G70(IK)/2023/G 3.3 T-G VCI ∦ ₩	8			
		ECU Upgrade	*			

Upgrade (1/2) will occur until 100% is reached on the bar graph.

Upgrade (2/2) will begin, and the progress of the upgrade will appear in the bar graph.

Upgrade (2/2) will occur until 100% is reached on the bar graph.

	ECU Upgrade	ļ
🛋 G70(IK) → 2023 →	G 3.3 T-GDI	
915.IK PE HUD BRIGH	ITNESS LOGIC IMPROVEMENT	
The ECU upgrade is cu Please be careful not t	urrently running on Bluetooth. to disconnect the B/T while ECU upgrade.	
	28%	
	ECU Upgrading(1/2)	
ECU	l is in the process of being upgraded. Please wait a few minute.	
ROM ID		
Currently in Vehicle	94310G9340_200	
Latest Update	94310G9**0_201	_
	OR	
HOME Online	G70(IK)/2023/G 3.3 T-G	,
HOME Online	G70(IK)/2023/G 3.3 T-G	,
HOME Online ■ G70(IK) > 2023 >	G70(IK)/2023/G 3.3 T-G VCI 🗼 VCI 🗼 ECU Upgrade	,
HOME Online ≩ G70(IK) > 2023 > € 915.IK PE HUD BRIGH	G70(IK)/2023/G 3.3 T-G VCI * 4 ECU Upgrade G 3.3 T-GDI HTNESS LOGIC IMPROVEMENT	,
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HOME Online G70(IK) > 2023 → 915.IK PE HUD BRIGH The ECU upgrade is cu Please be careful not f	CTO(IK)/2023/G 3.3 T-G.	
HOME Online G70(IK) > 2023 → 915.IK PE HUD BRIGH The ECU upgrade is cu Please be careful not th	G70(IK)/2023/G 3.3 T-G CCI Upgrade ECU Upgrade G 3.3 T-GDI HTNESS LOGIC IMPROVEMENT Urrently running on Bluetooth. to disconnect the B/T while ECU upgrade. 21% ECU Upgrading(2/2)	
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HOME Online ⇒ G70(IK) > 2023 > 9 915.IK PE HUD BRIGH The ECU upgrade is ct Please be careful not f ECU ECU	CTO(IK)/2023/G 3.3 T-G.	
HOME Online ⇒ G70(IK) > 2023 > 9 915.IK PE HUD BRIGH The ECU upgrade is cu Please be careful not t ECU ROM ID Currently in Vehicle	CTO(IK)/2023/G 3.3 T-G.	
HOME Online G70(IK) > 2023 > 915.IK PE HUD BRIGH The ECU upgrade is cu Please be careful not the ECU ROM ID Currently in Vehicle Latest Update	CTO(IK)/2023/G 3.3 T-G.	

7.

SUBJECT: G70 HEADS-UP DISPLAY (HUD) BRIGHTNESS LOGIC OPTIMIZATION (SERVICE CAMPAIGN T32G) 8. When upgrade reaches 100% follow

8. When upgrade reaches 100%, follow GDS instructions to "Turn IG off for 10 seconds and then back on. Click the **OK** button to continue."



HOME Online	G70(IK)/2023/G 3.3 T-G	vci 🖇 💀 [+
	ECU Upgrade	
🖴 G70(IK) → 2023 →	G 3.3 T-GDI	
915.IK PE HUD BRIGHT	NESS LOGIC IMPROVEMENT	
		00:06
	100%	
• ROM ID	ECU Upgrading(2/2) Turn IG off for 10 seconds an ck on. Click the OK button to o	d continue.
Currently in Vehicle	94310G9340_200	
Latest Update	94310G9**0_201	
	ОК	
HOME Online	G70(IK)/2023/G 3.3 T-G	vci 🛊 🚱 [:+
	ECU Upgrade	
🛱 G70(IK) > 2023 >	G 3.3 T-GDI	
915.IK PE HUD BRIGHT	NESS LOGIC IMPROVEMENT	
	100%	
The FCU	Succeed	mpleted.
ROM ID		
Currently in Vehicle	94310G9340_201	
Latest Update	94310G9**0_201	

OK

%*

10. After upgrade, remove power connector of indoor fuse box, and reconnect it after 5 seconds.

Check if any incidental Diagnostic Trouble Codes (DTC) have been created by the upgrade and clear the DTC(s) present.

Start the engine to confirm proper operation of the vehicle and check HUD is operational and visibility is acceptable.



MANUAL UPGRADE PROCEDURE USING THE GDS-MOBILE

NOTE:

- The manual upgrade should be performed only when the automatic upgrade fails.
- If automatic upgrade fails, turn the ignition key off for about 10 seconds, place it back in the "ON" position to reset the control unit before performing manual upgrade.
- 11. Select ECU Upgrade on the initial screen after entering the vehicle information and select Manual Mode.



SUBJECT:	G70 HEADS-UP DISPLAY (HUD) BRIGHTNESS LOGIC OPTIMIZATION (SERVICE CAMPAIGN T32G)				
12.	Select HUD and confirm the event and part number with reference to the above ROM ID Information Table and tab Upgrade.		FIN T32G) HOME Online G70(IK) > 2023 > System System Event Group IK PE (SB) HUD 94	G70(IK)/2023/G 3.3 T-G ECU Upgrade G 3.3 T-GDI D BRIGHTNESS LOGIC IMPROVEMENT 310-G9110 ~ 550	VCI * 🔁 🔀
			Latest Update	94310G9**0_201	

13. Enter the passcode from the Manual Passcode table below then touch OK.

EVENT	MENU	PASSCODE
#915	IK PE (SB) HUD 94310-G9110 ~ 550	9550

14. The vehicle battery voltage is checked to make sure it is at least 12 volts to ensure reliable upgrade results. Click OK if the results indicate voltage is OK.



Upgrade

Previous



If battery voltage is below 12 voltages as below, click BACK and then run the engine to ensure an adequate battery charge state for reliable upgrade results.

SUBJECT:	G70 HEADS-UP DISPLAY (HUD) BRIGHTNESS LOGIC OPTIMIZATION (SERVICE CAMPAIGN T32G)		
16.	Upgrade (1/2) will begin, and the	G70(IK)/2023/G 3.3 T-G	

Upgrade (1/2) will begin, and the progress of the upgrade will appear on the bar graph.

Upgrade (1/2) will occur until 100% is reached on the bar graph.

17. Upgrade (2/2) will begin, and the progress of the upgrade will appear in the bar graph.

Upgrade (2/2) will occur until 100% is reached on the bar graph.

HOME Online	G70(IK)/2023/G 3.3 T-G	CI 🖇 📗	•
	ECU Upgrade		
🖴 G70(IK) > 2023 >	G 3.3 T-GDI		
915.IK PE HUD BRIGH	ITNESS LOGIC IMPROVEMENT		
The ECU upgrade is cu Please be careful not t	urrently running on Bluetooth. to disconnect the B/T while ECU upgrade.		
	22%		
	ECU Upgrading(1/2)		
ECU	I is in the process of being upgraded. Please wait a few minute.		
ROM ID			
Currently in Vehicle			
Latest Update	94310G9**0_201		
	ОК		
	OK		20
HOME Online	ОК 670(IK)/2023/G 3.3 Т-G ⊗ v	сі 🖇 📋	1
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HOME Online ← G70(IK) > 2023 → ← 915.IK PE HUD BRIGH The ECU upgrade is co Please be careful not f	OK G70(IK)/2023/G 3.3 T-G. V ECU Upgrade G G 3.3 T-GDI HTNESS LOGIC IMPROVEMENT HTNESS LOGI	ci *	
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HOME Online	OK G70(IK)/2023/G 3.3 T-G. FCU Upgrade G 3.3 T-GDI HTNESS LOGIC IMPROVEMENT Arrently running on Bluetooth. to disconnect the B/T while ECU upgrade. 91% ECU Upgrading(2/2) J1% GUU Dugrading(2/2) J2% J2% J2% J2% J2% J2% J2% J	ci *	

SUBJECT: G70 HEADS-UP DISPLAY (HUD) BRIGHTNESS LOGIC OPTIMIZATION (SERVICE CAMPAIGN T32G)

18. When upgrade reaches 100%, follow
 GDS instructions to "Turn IG off for 10 seconds and then back on. Click the OK button to continue."



HOME Online	G70(IK)/2023/G 3.3 T-G ※	vci 🕸 🐼 🖂					
	ECU Upgrade	?					
🖴 G70(IK) > 2023 >	G 3.3 T-GDI						
P15.IK PE HUD BRIGH	TNESS LOGIC IMPROVEMENT						
		00:06					
	100%						
ECU Upgrading(2/2) Turn IG off for 10 seconds and then back on. Click the OK button to continue. ROM ID							
Currently in Vehicle							
Latest Update	94310G9**0_201						
	ОК]					
	C70/11/2 /2022 /C 2 2 T C						
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	ECU Upgrade	2					
🖴 G70(IK) → 2023 →	G 3.3 T-GDI						

😂 G70(IK) > 2023 >	G 3.3 T-GDI					
915.IK PE HUD BRIGHT	INESS LOGIC IMPROVEMENT					
Succeed						
The ECU Upgrade has successfully completed.						
ROM ID						
Currently in Vehicle	94310G9340_201					
Latest Update	94310G9**0_201					
	ОК					
-						

UBJECT:	
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G70 HEADS-UP DISPLAY (HUD) BRIGHTNESS LOGIC OPTIMIZATION (SERVICE CAMPAIGN T32G)

20. After upgrade, remove power connector of indoor fuse box, and reconnect it after 5 seconds.

Check if any incidental Diagnostic Trouble Codes (DTC) have been created by the upgrade and clear the DTC(s) present.

Start the engine to confirm proper operation of the vehicle and check HUD is operational and visibility is acceptable.

