

Service Category General

Outline-General	Market USA and Mexico	Toyota Supports
	Outline-General	Outline-General Market USA and Mexico

Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION
2022 - 2023	LX600, NX250, NX350, NX350H, NX450H+	
2023	RX350, RX350H, RX500H, RZ450E	

Introduction

Some 2022 – 2023 model year Lexus vehicles may require the download and installation of vehicle specific software or configuration software when the Electronic Control Unit (ECU) is replaced. Techstream software has been modified to indicate when configuration software is required. A new Configure column has been added to the Techstream Health Check Results screen to show when configuration software is available for a specific ECU. Follow the Operation Procedure in this bulletin to complete the ECU Software Configure Process.

Introduction (continued)

Refer to the applicability chart below for a list of Models and ECUs that will require configuration software when the specified ECU is replaced:

YEAR(S)	MODEL(S)	ECU(S) REQUIRING CONFIGURATION SOFTWARE
	LX 600	Airbag / ANC / Body / Brake / ECT / EMPS
2022 – 2023	NX 250 / NX 350 / NX 350h / NX 450h+	4WD / Airbag / ANC / Body / Brake / EMPS / Engine
2023	RX 350 / RX 350h / RX 500h	4WD / Absorber Control / Airbag / ANC / Blindspot / Body / Engine / EMPS / EMPS Rear / Front Side Radar / HV
	RZ 450e	Airbag / Blindspot / Body / EMPS / EV / Front Side Radar

NOTE

ECU is a Lexus term used to describe integrated computerized devices responsible for managing the operation of a system or subsystem. In this bulletin, ECU is used as a generic label for the following SAE J1930 standard references:

- Powertrain Control Module (PCM).
- Engine Control Module (ECM).
- Transmission Control Module (TCM).
- Any other Lexus specific control unit.

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Warranty Information

For USA Market

OP CODE	DESCRIPTION	TIME	OFP	T1	T2
N/A	Not Applicable to Warranty	-	_	_	-

For Mexico Market

OP CODE	DESCRIPTION		OFP	T1	T2
N/A	Not Applicable to Warranty	-	-	-	-

Required Tools & Equipment

REQUIRED EQUIPMENT	SUPPLIER	PART NUMBER	QTY
Techstream ADVI*		TSADVUNIT	
Techstream 2.0		TS2UNIT	4
Techstream Lite	ADE	TSLITEPDLR01	
Techstream Lite (Green Cable)		TSLP2DLR01	

*Essential SST.

NOTE

• Only ONE of the Techstream units listed above is required.

- GTS+ software version 2022.04.004.02 or later is required.
- Additional Techstream units may be ordered by calling Approved Dealer Equipment (ADE) at 1-800-368-6787 (USA) or 01-55-50103041 (Mexico).

SPECIAL SERVICE TOOLS (SST)	PART NUMBER	QTY
Battery Diagnostic Tool*	<u>DCA-8000P T</u>	1

*Essential SST.

NOTE

Additional SSTs may be ordered by calling 1-800-933-8335 (USA) or 01-800-504-5330 (Mexico).

Operation Procedure

1. AFTER ECU replacement, connect Techstream, select the applicable vehicle and options, and select Next.

Figure 1.			
File Function Setup TIS User Help			
Connect to Vehicle Open Scan Data File Launch TIS New Users Demo Check for Scantool Updates Generic OBD II Software Registration User	Vehicle Connection We Confirm the Informat Required Informat Division: Model: ModelYear: Engine:	Izerd(5301-04) tion and press Next ion: ILEXUS LX600 2022 V35A-FTS	
Selection Language Selection Advanced Function	Option:	Radar Cruise	
64	Optional Informati	on:	
	VIN:	5TDXRKEC4	
	Memo:	×	
Log Out	Manual	Help <back next=""> Cancel</back>	
Ver 15.20.016			
Subscription Expiration 269d 23h 59m			
200-01 VIM - MongoosePro MFC2 Mon	goosePro MFC2 J2534 Libra	ry v1.7.2.0	Default User

Operation Procedure (continued)

2. Perform a Health Check. During the Health Check, Techstream will automatically detect the replacement ECU needs configuration software. On the Health Check Results page, select Yes in the Configure column to begin the configuration software download process.

Techstream (Ver 15.20.41 e Function Setup 7	(1) - 12165 NS User Help									-	o
ystem Select Stored	d Data										
2022 LX600 /35A-FTS 000163 mile	Health Check Results - Health Check does not display live data Changes in vehicle condition will not update auton - To update Health Check, click the Refresh button on Enhanced Genetic	natically. In the bottom of the Health	Check screen.					E	CU Security K	Campaig PERMANI ey: -	ın Status ENT: <mark>YE</mark>
File Notes	Ciliancea Street	Г	DTC R	lelated Inf	ormation	0					
Health Checl Data 1-20	System	Monitor Status	DTC	Curr	Pend	Hist	Iest Failed	RoB	Calibration	Update	Configure
Data 2-200 Data 3-200	Engine	Com	P261093	X	X		X		8955F5000100	No No	Yes
	EMPS	•							8965F4801000	No No	Yes
	Clearance Warning		U023267 U023367 U117787 U117887 U117887 U131157	X X X X X				•	8821F50010A0	No	No
	Main Body							•	8922F4201001	No	Yes
	Transmission Hybrid Control							•	- 8821F50010A0	No	No
	Central Gateway Gear Shift Control Module								3911F0801000 8821F50010A0	No	No
Sort				-				Þ			
Expand>>											
TIS Search											
Print Back	2020/05/13 8:45:33					(ECU		DTC	R.	

Operation Procedure (continued)

3. Login to TIS.

Figure 3.

Welcome to	© Eng	Select Language lish O Français O Español Select User Type
	User ID	Lexus Dealership Users Select Area Code 33 - Eastern Technician 1
	Password	Remember me
		✓I have read and accepted <u>Terms of Use</u> Login

4. Enter a password for secondary authentication and select Login.

Figure 4.

ECU Configure Software	
Receive ECU Configure Software	
User ID: Technician 1 Password: Clean Login Switch User	

5. When the ECU Configure Software confirmation screen is displayed, return to Techstream.

Figure 5.

CU Configure Software
User ID: Technician 1 Technician Name: Technician 1 Distributor Code: 1111 Distributor Name: TMMA Dealer Code: 12345 Dealer Kame: Lexus Vehicle VIN: 12345678912345678 Software ID: 123abc123abc123abc123abc123abc123abc
CU Configure Software has been requested. This process may take several minutes. Please return to Techstream to continue.

Operation Procedure (continued)

- 6. Has the configuration software been previously downloaded?
 - YES Continue to step 7.
 - NO Select Next as shown in the figure below and continue to step 7.

Figure 6.

								_	_					
2022 LX600 V35A-FTS	Health Check Results									Campaign Status: PERMANENT: YES				
000163 mile	- Health Check does not display live data. - Changes in vehicle condition will not upd - To update Health Check, click the Refresh	ate automatically. button on the bottom of	the Health	Check screen.					E	CU Security K	ey: -			
2022_Lexus_LX File Notes	Enhanced Generic DTC Related Information													
 Health Checl Data 1-20; 	System	Software as a Par	Monitor	DTC	Curr	Pend	Hist	Test Failed	RoB	Calibration	Update	Configure		
Data 2-20. Data 3-20.	Engine					X		Х		8955F5000100	No No	Yes		
Error Report	EMPS	1 cal file(s) If you pres	1 cal file(s) need download. If you press "Next", the screen for download						8965F4801000	No No	Yes			
	Clearance Warning	Will be ope If it is not p press "Out	neo. cossible to d put" and out	ownload the file, then put the file list.					•	8821F50010A0	No	No		
	Main Body Transmission	Next	Out	put Exit					•	8922F4201001	No	No		
	Hybrid Control		-		-		_			8821F50010A0	No	No		
	Gear Shift Control Module									8821F50010A0	No	NU		
Sort														
Expand>>														
TIS Search														
Print								ECU	Ĩ.	DTC	ue de la			

NOTE

Selecting Output will display a list of the required configuration software for each ECU. This feature is available to print the list of required ECU software when needed.

Operation Procedure (continued)

7. Downloading the software may take several minutes. When the download is complete, select Next to start the Calibration Update Wizard (CUW).

	u bata											
022 LX600 35A-FTS	Health Check Results								Campaign Status PERMANENT: YE			
0163 mile	Changes in vehicle condition will not u To update Health Check, click the Refre	, pdate automatically. sh button on the bottom of the	e Health (Check screen.						CO Security N		
022_Lexus_LX File Notes	Enhanced Generic											
Health Checl Data 1-20	System	Mo	nitor	DTC	Curr Conf	Pend	Hist	Test Failed	RoB	Calibration	Update	Configure
Data 2-20	Engine			P261093	X	X		X		8955F5000100	No	Yes
End Report	Software as a Part (S325-13)				_					996554901000	No	
	EMPS									030514001000	No	Yes
		has been	n downloaded.						8821F50010A0	No		
		, reprogra	ramming will be started.									
	Clearance Warning	learance Warning										No
	Main Body		Nex	1	-					8922E4201001	No	No
	Transmission		-							-	140	110
	Hybrid Control									8821F50010A0	No	No
	Central Gateway		•							3911F0801000	No	No
	Gear Shift Control Module									8821F50010A0	No	
Sat			_		-	-						
Expand>>												
TIS Search												
Print							1	FCU	r.	DTC	1 ar 4	

8. Refer to <u>L-SB-0036-22</u> ECU Flash Reprogramming With Security Signature and complete the programming as instructed there.

Operation Procedure (continued)

9. When programing is complete, Techstream will send the updated vehicle information to TIS. Select Next.



10. Enter a password for secondary authentication and select Login.

Figure 9.

ECU Configure Software		
	Update ECU Configure Software	
	User ID: Technician 1 Password: Clear Login Switch User	

Operation Procedure (continued)

11. Return to Techstream when the ECU Configure Software confirmation displays, as shown below.

Figure 10.

ECU Configure Software
User ID: Technician 1 Technician Name: Technician 1 Distributor Code: 1111 Distributor Name: TMNA Dealer Code: 12345 Dealer Kame: Lexus Vehicle VIN: 12345678912345678 Software ID: 123abc
ECU Configure Software has been requested. This process may take several minutes. Please return to Techstream to continue.

12. Once vehicle information has been sent to TIS, select Exit, clear any DTCs that may have been set, and perform a final Health Check to confirm no additional software updates are available.

Figure 11.

022 LX600 35A-FTS	Health Check Results					Campaig PERMAN	n Status: ENT: YES	
000163 mile Input VN 2022_Lexus_LX File Notes	Health Check does not display live data. Changes in vehicle condition will not updat To update Health Check, click the Refresh b Enhanced Generic	Send Vehicle Information (5326-03) Help Vehicle Information has been sent to the server. This function will be finished.	ECU Security Key: -					
Health Checl Data 1-20:	System		Test Failed	RoB	Calibration	Update	Configure	
	Engine		X		8965F4801000	No	Yes	
					8821F50010A0	No		
	Clearance Warning			•			No	
	EMDS				8955F5000100	No	Vor	
	Letter Deck		-			No	192	
	Main Body Transmission		-		8922F4201001	No	No	
	Hybrid Control		-		8821F50010A0	No	No	
	Central Gateway				3911F0801000	No	No	
	Gear Shift Control Module				8821F50010A0	No		
Sort								
Expand>>		Exit						
Print	<u> </u>		ECU		DTC	24		
Back	2020/05/12 9:51:28				0	M		