

Harsh Downshift When Slowing to a Stop

Service
Category Drivetrain

Section Automatic Transmission/Transaxle

Market USA and
Mexico



Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION
2024 - 2025	GX550	

REVISION NOTICE

May 5, 2026 Rev2:

- The Warranty Information, Required Tools & Equipment, Calibration Information, and Repair Procedure sections have been updated.

February 5, 2026 Rev1:

- The Introduction, Warranty Information, Parts Information, Required Tools & Equipment, and Repair Procedure sections have been updated.

Any previous printed versions of this bulletin should be discarded.

Introduction

Some 2024 – 2025 model year GX 550 vehicles may exhibit a harsh downshift (2 – 1) when slowing to a stop. The Electronic Controlled Transmission (ECT) ECU logic has been modified to address this condition. Follow the Repair Procedure in this bulletin to address this condition.

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Warranty Information

For USA Market

OP CODE	DESCRIPTION	TIME	OFP	T1	T2
EL2515	Reprogram the Electronic Controlled Transmission (ECT) ECU	0.5	89530-60770	04	74

APPLICABLE WARRANTY

- This repair is covered under the Lexus Basic Warranty. This warranty is in effect for 48 months or 50,000 miles, whichever occurs first, from the vehicle's in-service date.
- Warranty application is limited to occurrence of the specified condition described in this bulletin.
- For 2024 – 2025 Model Year GX 550 vehicles equipped with a California Certified Emission Control System that are registered and operated in California or any state that adopts California emission warranty — California Emission Long-Term Defect Warranty is in effect for 7 years or 70,000 miles from the vehicle's in-service date, whichever occurs first. (Please reference Policy 4.7, and/or the Owner's Warranty & Maintenance Guide for additional information.)

For Mexico Market

OP CODE	DESCRIPTION	TIME	OFP	T1	T2
EL2515	Reprogram the Electronic Controlled Transmission (ECT) ECU	0.5	89530-60770	04	74

APPLICABLE WARRANTY

- This repair is covered under the Lexus Basic Warranty. This warranty is in effect for 48 months or 80,000 kilometers, whichever occurs first, from the vehicle's in-service date.
- Warranty application is limited to occurrence of the specified condition described in this bulletin.

Parts Information

PART NUMBER	PART NAME	QTY
89530-60770	Computer Assy, Transmission Control	–

NOTE

The Electronic Controlled Transmission (ECT) ECU should NOT be replaced as part of the Repair Procedure.

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Required Tools & Equipment

SPECIAL SERVICE TOOLS (SST)	PART NUMBER	QTY
DCA-8000 Battery Diagnostic Tool*	DCA-8000P-T	1
MSP-070 Power Supply / Charger	MTRMSP0702	1

*Essential SST.

NOTE

Additional SSTs may be ordered by calling 1-800-368-6787 (USA) or +(525) 5550 10 3000 (Mexico) or by visiting *Home – Service Resources – Lexus Tools and Equipment Program*.

REQUIRED EQUIPMENT	SUPPLIER	PART NUMBER	QTY
Techstream ADVi*	ADE	TSADVUNITECP	1
Techstream Lite		TSLP3DLR01	
Techstream Lite (Green Cable)		TSLP2DLR01	

*Essential SST

NOTE

- Only ONE of the Techstream units listed above is required.
- GTS+ software version 2026.01.003.02 or later is required.
- Additional Techstream units may be ordered by calling Approved Dealer Equipment (ADE) at 1-800-368-6787 (USA) or +(525) 5550 10 3000 (Mexico) or by visiting *TIS – Diagnostics – Tools & Equipment – Techstream Order Portal*.
- Use Techstream or an approved J2534 interface to perform flash reprogramming updates. Visit techinfo.toyota.com for more information regarding J2534 reprogramming.

Calibration Information

MODEL	DESTINATION	CALIBRATION		FILE NAME - SIZE
		PREVIOUS	NEW	
GX 550	USA/Canada	8A2106022100	8A2106022200	L-0022-25.cuw – 0.7 MB
	Mexico	8A2106023100	8A2106023200	L-0019-26.cuw – 0.7 MB

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Repair Procedure

1. Confirm the condition exists.
Does the vehicle exhibit a harsh shift (2 – 1) when slowing to a stop?
 - **YES** — Continue to step 2.
 - **NO** — This bulletin does NOT apply. Continue diagnosis using the applicable Repair Manual.
2. Use GTS+ to confirm if the (ECT) ECU calibration has been updated. Is the calibration ID listed in GTS+ the latest calibration?
 - **YES** — This bulletin does NOT apply. Continue diagnosis using the applicable Repair Manual.
 - **NO** — Continue to step 3.
3. Flash reprogram the Electronic Controlled Transmission (ECT) ECU.

NOTE

- The [DCA-8000 Battery Diagnostic Tool](#) MUST be used in ECU Reflash Mode to maintain battery voltage at 13.5V while flash reprogramming the vehicle.
- The MSP-070 Power Supply / Charger can be used on either the 13.6V or 14.4V setting to maintain battery voltage while flash reprogramming the vehicle.
- For details on how to use the 12V battery power supply units, refer to the instruction manuals located at *TIS – Diagnostics – Tools & Equipment – Battery Diagnostics*.

Follow the procedures outlined in Service Bulletin [L-SB-0036-22](#) *GTS+ ECU Flash Reprogramming With Security Signature*, and flash the Electronic Controlled Transmission (ECT) ECU with the NEW calibration file update.

4. Disconnect the battery terminals and leave them disconnected for at least five minutes.
Refer to TIS, applicable model and model year Repair Manual.
 - [2024 – 2025](#) GX 550:
General – Setup – When Disconnecting or Reconnecting Battery Terminal – Before Disconnecting Battery
5. Reconnect the battery terminals.
Refer to TIS, applicable model and model year Repair Manual.
 - [2024](#) / [2025](#) GX 550:
General – Setup – When Disconnecting or Reconnecting Battery Terminal – Automatic Learning Chart
6. Using GTS+, clear ANY DTCs and test-drive the vehicle to confirm the condition has been addressed.

NOTE

After DTCs are cleared, be sure to IG OFF and let vehicle rest for no less than 30 seconds before READY ON.