

Warning Message to Apply Brake when Shifting out of Park into Drive or Reverse

Service Category Drivetrain

Section Automatic Transmission/Transaxle

Market USA and Mexico

Toyota Supports
ASE Certification 

Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION
2022 - 2024	NX250, NX350	

Introduction

Some 2022 – 2024 model year NX 250 and NX 350 vehicles may exhibit a warning message on the Multi-information Display (MID) to apply the brakes when shifting out of Park into Drive or Reverse. The transmission floor shift assembly (SBW ECU) logic has been modified to reduce the possibility of this condition. Follow the Repair Procedure in this bulletin to reprogram the transmission floor shift assembly.

Production Change Information

This bulletin applies to vehicles produced **BEFORE** the Production Change Effective VINs shown below.

PLANT	MODEL	DRIVETRAIN	PRODUCTION CHANGE EFFECTIVE VIN
Tahara	NX 250	All	JTJ#DCAZ#R5015454
	NX 350		JTJ#GCEZ#R5006373
Kyushu	NX 350		JTJ#GCEZ#P2009057
			JTJ#GCEZ#N2008628
TMMC	NX 250		2T2#DCAZ#PC005617
			2T2#DCEZ#PC003946
	NX 350		2T2#GCEZ#PC029664

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Warranty Information

For USA Market

OP CODE	DESCRIPTION	TIME	OFFP	T1	T2
TC2301	Reprogram the Transmission Floor Shift Assembly (SBW ECU)	0.8	33550-#####*	8C	99

*Warranty claim MUST be submitted with the correct 10-digit OFFP. Choose the correct OFFP for the vehicle being repaired by searching for the parts in the Electronic Parts Catalog using the VIN filter.

APPLICABLE WARRANTY (USA)

- 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 Mexico Market

OP CODE	DESCRIPTION	TIME	OFFP	T1	T2
TC2301	Reprogram the Transmission Floor Shift Assembly (SBW ECU)	0.8	33550-#####*	8C	99

*Warranty claim MUST be submitted with the correct 10-digit OFFP. Choose the correct OFFP for the vehicle being repaired by searching for the parts in the Electronic Parts Catalog using the VIN filter.

APPLICABLE WARRANTY (MEXICO)

- 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.

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Parts Information

For USA and Mexico Markets

PART NUMBER		PART NAME	QTY
PREVIOUS	NEW		
33550-78030	33550-78031	Floor Shift Assembly, Transmission	-
33550-F6010	33550-F6012		
33550-F6011			

NOTE
The transmission floor shift assembly should NOT be replaced as part of the Repair Procedure.

Required Tools & Equipment

REQUIRED EQUIPMENT	SUPPLIER	PART NUMBER	QTY
Techstream ADVI*	ADE	TSADVUNIT	1
Techstream 2.0		TS2UNIT	
Techstream Lite		TSLITEPDLR01	
Techstream Lite (Green Cable)		TSLP2DLR01	

*Essential SST.

NOTE

- Only ONE of the Techstream units listed above is required.
- Software version 2023.03.002.02 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).
- Use Techstream or an approved J2534 interface to perform flash reprogramming updates. Visit techinfo.toyota.com for more information regarding J2534 reprogramming.

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

*Essential SST.

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

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Calibration Information

MODEL	ECU	CALIBRATION ID	
		PREVIOUS	NEW
NX 250, NX 350	Gear Shift Control Module "A"	894EF7801000	894EF7801300

Repair Procedure

1. Confirm the condition exists.
Does the vehicle exhibit a warning message on the MID to apply the brakes when shifting out of Park into Drive or Reverse?
 - **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 transmission floor shift assembly (SBW ECU) has been updated. Is the calibration ID listed in GTS+ the latest transmission floor shift assembly calibration?
 - **YES** — This bulletin does NOT apply. Continue diagnosis using the applicable Repair Manual.
 - **NO** — Continue to step 3.
3. Flash reprogram the transmission floor shift assembly.

NOTE

- The battery diagnostic tool MUST be used in Power Supply mode to maintain battery voltage at 13.0 – 13.5V while flash reprogramming the vehicle.
- For details on how to use the battery diagnostic tool, refer to the [DCA-8000 Instruction Manual](#) located at *TIS – Diagnostics – Tools & Equipment – Battery Diagnostics*.

Follow the procedures outlined in [L-SB-0036-22](#) *GTS+ ECU Flash Reprogramming With Security Signature* and flash the transmission floor shift assembly with the NEW calibration file update.

4. Test-drive the vehicle to confirm normal vehicle operation and there are no DTCs present.