

Multi-Terrain Monitor Malfunction Message in Vehicle Alert History

Service Category Audio/Visual/Telematics

Section Navigation/Multi Info Display **Market** USA

Toyota Supports
ASE Certification 

Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION
2022 - 2023	GX460	

Introduction

Some 2022 – 2023 model year GX 460 vehicles may display the following message in the vehicle alert history “Multi-Terrain Monitor – A malfunction in the Multi-Terrain Select System has been detected. Contact your Lexus dealer in order to have your vehicle inspected.” Follow the Repair Procedure in this bulletin to address this condition.

Warranty Information

OP CODE	DESCRIPTION	TIME	OFP	T1	T2
800279	Reprogram the Combination Meter Assembly	1.2	83800-#####*	87	74

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

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.

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Parts Information

PART NUMBER		PART NAME	QTY
PREVIOUS	NEW		
83800-6CG30	83800-6CG31	Meter Assy, Combination	–
83800-6CG40	83800-6CG41		

NOTE

The combination meter 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 17.20.013 or later is required.
- Additional Techstream units may be ordered by calling Approved Dealer Equipment (ADE) at 1-800-368-6787.
- 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_I	1

*Essential SST.

NOTE

Additional SSTs may be ordered by calling 1-800-933-8335.

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Calibration Information

PART NAME	CALIBRATION ID	
	PREVIOUS	NEW
Meter Assy, Combination	838006CG3002	838006CG3101

Repair Procedure

- Go to the following menus on the Center Display:
Menu – Info – Vehicle Alert History – Multi-Terrain Monitor
Does the vehicle display the following message in the vehicle alert history “Multi-Terrain Monitor – A malfunction in the Multi-Terrain Select System has been detected. Contact your Lexus dealer in order to have your vehicle inspected.”?
 - YES** — Continue to step 2.
 - NO** — This bulletin does NOT apply. Continue diagnosis using the applicable Repair Manual.
- Use Techstream to confirm if the combination meter assembly calibration has been updated. Is the calibration ID for the combination meter assembly 838006CG3002?
 - YES** — Continue to step 3.
 - NO** — This bulletin does NOT apply. Continue diagnosis using the applicable Repair Manual.
- Flash reprogram the combination meter assembly.
Flash the combination meter to 838006CG3101.

NOTE

- The battery diagnostic tool MUST be used in Power Supply Mode to maintain battery voltage at 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 Service Bulletin [L-SB-0001-18](#), *Techstream ECU Flash Reprogramming Procedure*, and flash the combination meter assembly with the NEW calibration file update.

- Using Techstream, perform a Health Check and clear ANY stored DTCs.
- Confirm the combination meter assembly functions normally.