

MIL ON With DTC P162B87

Service Category

Power Source/Network

Section

Battery/Charging

Market

USA and Mexico

Toyota Supports ASE Certification



Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION
2022 - 2024	NX250, NX350, NX350H, NX450H+	

REVISION NOTICE
December 12, 2024 Rev1:

- The Introduction, Warranty Information, Parts Information, and Repair Procedure sections have been updated.

Any previous printed versions of this bulletin should be discarded.

Introduction

Some 2022 – 2024 model year NX 250, NX 350, NX 350h, and NX 450h+ vehicles may exhibit a MIL ON condition with Diagnostic Trouble Code (DTC) P162B87 (Lost Communication with Battery Monitor Module Missing Message). The battery state sensor assembly has been updated to prevent the condition from occurring. 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
EL2425	R & R Battery State Sensor Assembly	0.4	28850-#####*	87	16

*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.

For Mexico Market

OP CODE	DESCRIPTION	TIME	OFP	T1	T2
EL2425	R & R Battery State Sensor Assembly	0.4	28850-#####*	87	16

*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 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

PART NUMBER		PART NAME	QTY
PREVIOUS	NEW		
28850-#####	28850-F4010	Battery State Sensor Assembly	1

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.
- GTS+ software version 2024.03.004.02 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) or by visiting *TIS – Diagnostics – Tools & Equipment – Techstream Order Portal*.

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Repair Procedure

1. Confirm the condition exists.

Does the vehicle exhibit a MIL ON condition with DTC P162B87 (Lost Communication with Battery Monitor Module Missing Message) present?

- **YES** — Continue to step 2.
- **NO** — This bulletin does NOT apply. Continue diagnosis using the applicable Repair Manual.

2. Remove the battery state sensor assembly.

Refer to TIS, applicable model and model year Repair Manual:

- [2022 – 2024](#) NX 250:
Power Source / Network – A25A-FKS (Battery / Charging) – Battery Current Sensor – Removal
- [2022 – 2024](#) NX 350:
Power Source / Network – T24A-FTS (Battery / Charging) – Battery Current Sensor – Removal
- [2022 – 2024](#) NX 350h:
Power Source / Network – A25A-FXS (Battery / Charging) – Battery Current Sensor – Removal
- [2022 – 2024](#) NX 450h+:
Power Source / Network – A25A-FXS (Battery / Charging) – Battery Current Sensor – Removal

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Repair Procedure (continued)

3. Install the NEW battery state sensor assembly.

Refer to TIS, applicable model and model year Repair Manual:

- [2022 – 2024](#) NX 250:
*Power Source / Network – A25A-FKS (Battery / Charging) –
Battery Current Sensor – Installation*
- [2022 – 2024](#) NX 350:
*Power Source / Network – T24A-FTS (Battery / Charging) –
Battery Current Sensor – Installation*
- [2022 – 2024](#) NX 350h:
*Power Source / Network – A25A-FXS (Battery / Charging) –
Battery Current Sensor – Installation*
- [2022 – 2024](#) NX 450h+:
*Power Source / Network – A25A-FXS (Battery / Charging) –
Battery Current Sensor – Installation*

4. Using GTS+, clear ANY stored DTCs, and confirm the condition no longer exists.