

MIL ON With DTC P162B87 and/or DTC P15AD87

Service Category Power Source/Network

Section Battery/Charging

Market USA

Toyota Supports
 ASE Certification 

Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION
2022 - 2024	Tundra	

Introduction

Some 2022 – 2024 model year Tundra vehicles may exhibit a MIL ON condition with Diagnostic Trouble Codes (DTCs) P162B87 (Lost Communication with Battery Monitor Module Missing Message) and/or P15AD87 (Active Grille Air Shutter "A" Missing) present.

The battery state sensor assembly has been updated to reduce the possibility of this condition. Follow the Repair Procedure in this bulletin to address this condition.

Warranty Information

OP CODE	DESCRIPTION	TIME	OFF	T1	T2
EL2409	R & R Battery State Sensor Assembly	0.4	28850-F0090	87	16

APPLICABLE WARRANTY

- This repair is covered under the Toyota Basic Warranty. This warranty is in effect for 36 months or 36,000 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.

MIL ON With DTC P162B87 and/or DTC P15AD87

Production Change Information

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

MODEL	PLANT	DRIVETRAIN	PRODUCTION CHANGE EFFECTIVE VIN
Tundra	TMMTX	2WD	5TF##5AA#RX032769
			5TF##5AB#RX032769
			5TF##5BC#RX003136
			5TF##5CD#RX001814
		4WD	5TF##5DA#RX161584
			5TF##5DB#RX161584
			5TF##5EC#RX024762
			5TF##5GD#RX003011

Parts Information

PART NUMBER		PART NAME	QTY
PREVIOUS	NEW		
28850-F0090	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.
- Software version 2024.01.002.02 or later is required.
- Additional Techstream units may be ordered by calling Approved Dealer Equipment (ADE) at 1-800-368-6787 or by visiting *TIS – Diagnostics – Tools & Equipment – Techstream Order Portal*.

MIL ON With DTC P162B87 and/or DTC P15AD87

Repair Procedure

1. Confirm the condition exists.

Does the vehicle exhibit a MIL ON condition with DTCs P162B87 (Lost Communication with Battery Monitor Module Missing Message) and/or P15AD87 (Active Grille Air Shutter "A" Missing) 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 – 2023](#) / [2024](#) Tundra:
*Power Source / Network – V35A-FTS (Battery / Charging) –
Battery Current Sensor (for Gasoline) – Removal*

3. Install the NEW battery state sensor assembly.

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

- [2022 – 2023](#) / [2024](#) Tundra:
*Power Source / Network – V35A-FTS (Battery / Charging) –
Battery Current Sensor (for Gasoline) – Installation*

4. Using GTS+, clear ANY stored DTCs, and confirm the condition(s) no longer exist.