

Battery Maintenance During PDS

Service Category General

Section Pre-Delivery Service

Market USA

Toyota Supports
ASE Certification 

Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION
2024	ES250, ES300H, ES350, IS300, IS350, IS500, LC500, LC500C, LC500H, LS500, LS500H, LX600, NX250, NX350, NX350H, NX450H+, RC F, RC300, RC350, RX350, RX350H, RX450H, RX450H+, RZ450E, TX350, TX500H, TX550H+, UX250H	

REVISION NOTICE

August 28, 2023 Rev1:

- Applicability has been updated to include 2024 model year NX 450h+, RX 350h, RX 450h+, TX 350, and TX 500h, and TX 550h+ vehicles.
- Applicability has been updated to remove 2024 model year NX 450h vehicles.

Any previous printed versions of this bulletin should be discarded.

Introduction

A battery in a stored vehicle is subject to conditions that can reduce its performance and service life. These conditions include storage period, temperature, parasitic drain, and battery load. Because of these factors, battery inspection and maintenance are required in order to ensure proper operation and optimal battery life.

As a matter of policy, Lexus does not provide battery warranty coverage for discharged and/or failed batteries due to lack of maintenance. It is the dealer's responsibility to maintain the specified State-Of-Charge (SOC) of the vehicle's battery while in stock and ensure proper SOC at delivery.

To eliminate customer service concerns due to an undercharged battery during the first few weeks of ownership, **ALL dealers should test the auxiliary (12V) battery and recharge, if necessary, no more than 48 hours before delivery to the customer.**

CAUTION

Refer to the precautions listed in the [DSS-5000 Instruction Manual](#) and [DCA-8000 Instruction Manual](#) located at *TIS – Diagnostics – Tools & Equipment – Battery Diagnostics*.

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Warranty Information

OP CODE	DESCRIPTION	TIME	OFF	T1	T2
N/A	Not Applicable to Warranty	-	-	-	-

Required Tools & Equipment

SPECIAL SERVICE TOOLS (SST)	PART NUMBER	QTY
DSS-5000 Battery Diagnostic Tool*	DSS-5000P T	1
DCA-8000 Battery Diagnostic Tool*	DCA-8000P T	1

*Essential SST.

NOTE

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

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 2023.03.001.02 or later is required.
- Additional Techstream units may be ordered by calling Approved Dealer Equipment (ADE) at 1-800-368-6787.

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Battery Inspection Procedure

Test the auxiliary (12V) battery using the DSS-5000 Battery Diagnostic Tool's [In Vehicle Test](#) mode or the DCA-8000 Battery Diagnostic Tool's [Advanced Battery Test](#) mode. ALWAYS perform the battery test directly on the battery terminals, avoid testing the battery using alternate charging posts or grounds.

IMPORTANT NOTE FOR HYBRID VEHICLES

In hybrid and electric vehicles, the DCS-8000 Battery Diagnostic Tool is to be used ONLY on the auxiliary (12V) battery.

NOTE

- ALL vehicles MUST be inspected using the DCA-8000 Battery Diagnostic Tool no more than 48 hours BEFORE delivery to the customer.
- Ensure ALL doors stay closed and lights remain OFF during battery testing and charging.
- For details on how to use the battery diagnostic station, refer to the [DSS-5000 Instruction Manual](#) and [DCA-8000 Instruction Manual](#) located at *TIS – Diagnostics – Tools & Equipment – Battery Diagnostics*.

Battery Inspection Results

Once the test completes, proceed with one of the procedures below according to the battery condition results.

- **Battery Condition: “GOOD BATTERY”**
Return the battery to service.
- **Battery Condition: “GOOD-RECHARGE”**
Fully charge the battery using the DCA-8000 Battery Diagnostic Tool's [Manual Charge](#) mode and return it to service.
- **Battery Condition: “BAD CELL-REPLACE”**
Replace the battery.
- **Battery Condition: “REPLACE BATTERY”**
Replace the battery.
- **Battery Condition (DSS-5000 ONLY):
“USE DCA-8000 ADVANCED BATTERY DIAGNOSTICS”**
Test the auxiliary (12V) battery using the DCA-8000 Battery Diagnostic Tool's [Advanced Battery Test](#) mode.

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Battery Replacement Procedure

If a vehicle battery needs to be replaced for a warrantable condition, complete a Warranty Battery Label and affix it to the failed battery for proper warranty parts and claim processing. **Include the Vehicle Identification Number (VIN) and warranty code on the Warranty Battery Label.**

Figure 1.

WARRANTY BATTERY LABEL ETIQUETA PARA BATERIA DE GARANTIA <small>(Please Print / Llénese con Letra de Molde Por Favor)</small>		
_____ Dealer Code Código de Agencia		
----- Vehicle Identification Number (VIN) Número de Identificación de Vehículo (NIV)		
Repair Order No. No. de Orden de Reparación	Repair Date Fecha de Reparación	Failure Code Código de Falla
Veh. Date of First Use Fecha de Primer Uso del Veh.	Original Install Date Fecha de Instalación Original <small>(Svc. part replacement only/ solamente para el reemplazo de partes de servicio)</small>	Battery Mos. In Svc. Número de meses que Batería está en servicio
08/02		00404-BTTRY-LABEL

Periodic Battery Maintenance

In addition to this pre-delivery battery test, periodic battery maintenance is still required for stored vehicles. If your dealership is in an area subject to extreme temperatures (hot or cold), periodic maintenance may need to be performed more frequently.

If the vehicle is stored for over 30 days, be sure to follow *Long-Term Vehicle Storage Guidelines*.

To reduce parasitic battery drain on vehicles that are placed in storage for one week or more, the negative (–) battery cable should ALWAYS be disconnected to reduce battery discharge. When the negative (–) battery cable is reconnected, check and reset electrical components, such as the clock, radio, etc., and re-initialize ALL applicable systems/functions.

Refer to the appropriate model and year Repair Manual for specific details.