

Depleted 12V Battery Due to Abnormal Kick Sensor Function

Service Category Vehicle Exterior

Section Door/Hatch

Market USA and Mexico

Toyota Supports
ASE Certification 

Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION
2022	Sienna HV	

REVISION NOTICE

November 15, 2022 Rev1:

- The Production Change Information and Repair Procedure sections have been updated. Any previous printed versions of this bulletin should be discarded.

Introduction

Some 2022 model year Sienna Hybrid vehicles equipped with a kick sensor system may exhibit a depleted 12V battery due to abnormal kick sensor function in cold weather areas. Follow the Repair Procedure in this bulletin to address this condition.

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Production Change Information

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

MODEL	PLANT	DRIVETRAIN	PRODUCTION CHANGE EFFECTIVE VIN
Sienna HV	TMMI	2WD	5TDDRKEC#NS127342 5TDERKEC#NS127342 5TDGRKEC#NS127342* 5TDJRKEC#NS127342 5TDXRKEC#NS127342 5TDYRKEC#NS127342 5TDZRKEC#NS127342
		4WD	5TDASKFC#NS067872 5TDDSKFC#NS067872 5TDESKFC#NS067872 5TDGSKFC#NS067872* 5TDJSKFC#NS067872 5TDXSKFC#NS067872 5TDYSKFC#NS067872 5TDZSKFC#NS067872

*Does NOT include LE grade vehicles.

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Warranty Information

For USA Market

OP CODE	DESCRIPTION	TIME	OFP	T1	T2
EL9072	Battery Test and Recharge	5.3	—	87	74
	R & R Sensor Assy, Kick Door Control (RH)		891B0-#####**		
	R & R Sensor Assy, Kick Door Control (LH)				
	R & R Motor Unit, Slide Door (RH)				
	R & R Motor Unit, Slide Door (LH)				
	R & R Sensor Assy, Kick Door Control (Back)				
	R & R Computer, Multiplex Network Door (Back)				
EL9077*	Battery Test and Recharge	4.5	—		
	R & R Sensor Assy, Kick Door Control (RH)		891B0-#####**		
	R & R Sensor Assy, Kick Door Control (LH)				
	R & R Motor Unit, Slide Door (RH)				
	R & R Motor Unit, Slide Door (LH)				

*ONLY for vehicles with a factory tow hitch.

**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 (USA)

- 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.

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Warranty Information (continued)

For Mexico Market

OP CODE	DESCRIPTION	TIME	OFP	T1	T2
EL9072	Battery Test and Recharge	5.3	-	87	74
	R & R Sensor Assy, Kick Door Control (RH)		891B0-#####**		
	R & R Sensor Assy, Kick Door Control (LH)				
	R & R Motor Unit, Slide Door (RH)				
	R & R Motor Unit, Slide Door (LH)				
	R & R Sensor Assy, Kick Door Control (Back)				
	R & R Computer, Multiplex Network Door (Back)				
EL9077*	Battery Test and Recharge	4.5	-		
	R & R Sensor Assy, Kick Door Control (RH)		891B0-#####**		
	R & R Sensor Assy, Kick Door Control (LH)				
	R & R Motor Unit, Slide Door (RH)				
	R & R Motor Unit, Slide Door (LH)				

*ONLY for vehicles with a factory tow hitch.

**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 (Mexico)

- **This repair is covered under the Toyota Basic Warranty. This warranty is in effect for 36 months or 60,000 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		
891B0-08100	891B0-08101	Sensor Assy, Kick Door Control (RH)	1
891B0-08110	891B0-08111	Sensor Assy, Kick Door Control (LH)	1
85005-08050	85005-08051	Motor Unit, Slide Door, RH	1
85006-08050	85006-08051	Motor Unit, Slide Door, LH	1
891B0-08040	891B0-08041	Sensor Assy, Kick Door Control	1
89222-08060	89222-08061	Computer, Multiplex Network Door	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 17.20.013 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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Repair Procedure

1. Confirm the condition exists.
Does the vehicle exhibit a depleted 12V battery?
 - **YES** — Continue to step 2.
 - **NO** — This bulletin does NOT apply. Continue diagnosis using the applicable Repair Manual.
2. Confirm the vehicle is equipped with kick sensor function(s).
Is the vehicle equipped with kick sensor function(s)?
 - **YES** — Continue to step 3.
 - **NO** — This bulletin does NOT apply. Continue diagnosis using the applicable Repair Manual.
3. Using the battery diagnostic tool, perform a battery test and recharge the battery.

NOTE

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*.

- Is the battery in good condition?
- **YES** — Continue to step 4.
 - **NO** — This bulletin does NOT apply. Continue diagnosis using the applicable Repair Manual.
4. Replace the left and right kick door control sensor assemblies.
Refer to TIS, applicable model and model year Repair Manual:
 - 2022 Sienna HV:
Vehicle Exterior – Door/Hatch – “Door / Hatch: Kick Sensor (for Rear Door With Protector): [Removal](#) / [Installation](#)”
 5. Replace the left and right slide door motor units.
Refer to TIS, applicable model and model year Repair Manual:
 - 2022 Sienna HV:
Vehicle Exterior – Door/Hatch – “Door / Hatch: Power Slide Door Motor: [Removal](#) / [Installation](#)”

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Repair Procedure (continued)

6. Is the vehicle equipped with a factory hitch?
 - **YES** — Go to step 9.
 - **NO** — Continue to step 7.

7. Replace the back door control sensor assembly.
Refer to TIS, applicable model and model year Repair Manual:
 - 2022 Sienna HV:
Vehicle Exterior – Door/Hatch – “Door / Hatch: Kick Sensor (for Back Door):
[Removal](#) / [Installation](#)”

8. Replace the multiplex network door computer.
Refer to TIS, applicable model and model year Repair Manual:
 - 2022 Sienna HV:
Vehicle Exterior – Door/Hatch – “Door / Hatch: Back Door Closer ECU:
[Removal](#) / [Installation](#)”

9. Confirm proper vehicle operation.