

Abnormal Brake Pedal Feel

Service Category Brake

Section Brake Control/Dynamic Control System

Market USA

Toyota Supports
 ASE Certification 

Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION
2021	Sienna HV	

Introduction

Some customers may notice an abnormal brake feel in their 2021 model year Sienna Hybrid vehicle that could be described as a longer than usual brake pedal stroke. This may occur when the engine is off for more than five minutes after entering the vehicle and closing all doors before driving. The condition does not affect braking performance and will improve as the system performs learning cycles during vehicle operation. However, once the engine is turned off and the brake ECU goes to sleep, these learned values will be reset and the abnormal brake pedal feel will return. Follow the Repair Procedure in this bulletin to address this condition.

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	5TDJRKEC#MS007919
		4WD	5TDGSKFC#MS004762

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Warranty Information

OP CODE	DESCRIPTION	TIME	OFF	T1	T2
BR1920	Perform Zero Point Calibration	0.8	89510-47030	99	99

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.

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 15.30.027 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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Repair Procedure

1. Confirm the condition exists.
 - A. Enter the vehicle and close ALL doors.
 - B. Ensure the engine remains OFF for AT LEAST five minutes.
 - C. Depress the brake pedal and turn the engine ON.
 - D. While depressing the brake pedal, put the vehicle in drive or reverse and start driving.
 - E. Does the brake pedal stroke feel longer than normal during the first 2 – 5 brake pedal applications and improve with each application?
 - **YES** — Continue to step 2.
 - **NO** — This bulletin does NOT apply. Continue diagnosis using the applicable Repair Manual.

2. Using Techstream, check for ANY DTCs.
 Are ANY DTCs stored related to brake application?
 - **YES** — This bulletin does NOT apply. Continue diagnosis using the applicable Repair Manual.
 - **NO** — Continue to step 3.

3. Perform a zero point calibration.
 Refer to TIS, applicable model and model year Repair Manual:
 - 2021 Sienna HV:
Brake – Brake Control/Dynamic Control System – [“Brake Control / Dynamic Control Systems: Electronically Controlled Brake System: Utility”](#)

4. AFTER completing zero point calibration, repeat step 1 to verify proper vehicle operation and ensure the condition is no longer present.