

Vehicle Starts in Second Gear, Unable to Shift Into First Gear

Service Category Drivetrain

Market USA and Mexico

Section Automatic Transmission/Transaxle

Toyota Supports ASE Certification 

Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION
2023 - 2024	Sequoia HV	
2022 - 2024	Tundra HV	

REVISION NOTICE

June 10, 2024 Rev2:

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

April 15, 2024 Rev1:

- The Required Tools & Equipment section has been updated.
- Any previous printed versions of this bulletin should be discarded.

Introduction

Some 2023 – 2024 model year Sequoia Hybrid and 2022 – 2024 model year Tundra Hybrid vehicles may exhibit a condition where the vehicle starts in second gear from a stop and does not allow a manual shift to first gear (S1) without first switching to 4WD or driving over 15 mph. The brake actuator logic has been modified to address these conditions. Follow the Repair Procedure in this bulletin to address these conditions.

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Warranty Information

For USA Market

OP CODE	DESCRIPTION	TIME	OFP	T1	T2
EL2401	Reprogram the Brake Actuator Assembly	0.7	44050-#####*	87	74

*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 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.
- For 2023 – 2024 model year Sequoia Hybrid and 2022 – 2024 model year Tundra Hybrid vehicles equipped with a California Certified Emission Control System that are registered and operated in California or any state that adopts California emission warranty — California Emission Long-Term Defect Warranty is in effect for 7 years or 70,000 miles from the vehicle's in-service date, whichever occurs first. (Please reference Policy 4.7, and/or the Owner's Warranty & Maintenance Guide for additional information.)

For Mexico Market

OP CODE	DESCRIPTION	TIME	OFP	T1	T2
EL2401	Reprogram the Brake Actuator Assembly	0.7	44050-#####*	87	74

*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 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.

Parts Information

PART NUMBER		PART NAME	QTY
PREVIOUS	NEW		
44050-34050 44050-34051	44050-34052	Actuator Assy, Brake	–

NOTE

The brake actuator should NOT be replaced as part of the Repair Procedure.

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Required Tools & Equipment

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) or by visiting *Home – Service Resources – Toyota Special Service Tools (SSTs)*.

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 2024.01.002.02 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*.
- Use Techstream or an approved J2534 interface to perform flash reprogramming updates. Visit techinfo.toyota.com for more information regarding J2534 reprogramming.

Calibration Information

MODEL	MODEL YEAR	WHEELBASE	CALIBRATION ID	
			PREVIOUS	NEW
Sequoia HV	2023 – 2024	Short	F15260C34100 F15260C34200	F15260C34300
Tundra HV	2022 – 2023	STD	F15263402300 F15263402400	F15263402500
		Long	F15263403300 F15263403400	F15263403500
	2024	STD	F15260C41000	F15260C41100
		Long	F15260C42000	F15260C42100

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Repair Procedure

1. Confirm the condition exists.

Does the vehicle exhibit a condition where the vehicle starts in second gear from a stop, and does not allow a manual shift to first gear (S1) without first switching to 4WD or driving over 15 mph?

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

2. Use GTS+ to confirm if the skid control ECU (brake actuator assembly) calibration has been updated.

Is the calibration ID listed in GTS+ the latest skid control ECU calibration?

- **YES** — This bulletin does NOT apply. Continue diagnosis using the applicable Repair Manual.
- **NO** — Continue to step 3.

3. Flash reprogram the skid control ECU.

NOTE

- The battery diagnostic tool MUST be used in Power Supply Mode to maintain battery voltage at 13.5V while flash reprogramming the vehicle.
- For details on how to use the battery diagnostic station, refer to the [DCA-8000 Instruction Manual](#) located at *TIS – Diagnostics – Tools & Equipment – Battery Diagnostics*.

Follow the procedures outlined in Service Bulletin [T-SB-0107-20](#), *GTS+ ECU Flash Reprogramming With Security Signature*, to flash reprogram the skid control ECU with the NEW calibration file update.

4. Using GTS+, clear ANY DTCs and test-drive the vehicle to confirm the condition has been resolved.