

Hesitation Felt While Accelerating 0 - 40 mph With Steady Throttle

Service Category Engine/Hybrid System

Section Engine Control

Market USA

Toyota Supports
ASE Certification 

Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION
2024	Grand Highlander HV	VDS(s): ADAB5

Introduction

Some 2024 model year Grand Highlander Hybrid vehicles may exhibit a hesitation when accelerating from 0 – 40 mph with steady throttle. The Engine Control Module (ECM) (SAE term: Powertrain Control Module/PCM) logic has been modified to address this condition. Follow the Repair Procedure in this bulletin to address this condition.

Warranty Information

OP CODE	DESCRIPTION	TIME	OFP	T1	T2
EL2324	Reprogram the ECM (PCM)	0.7	89661-0EL80	04	74

APPLICABLE WARRANTY

- This repair is covered under the Toyota Federal Emission Warranty. This warranty is in effect for 96 months or 80,000 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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Parts Information

PART NUMBER	PART NAME	QTY
89661-0EL80	Computer, Engine Control (ECM/PCM)	–

NOTE

The ECM (PCM) should NOT be replaced as part of the Repair Procedure.

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.
- GTS+ software version 2024.01.002.02 or later is required.
- Additional Techstream units may be ordered by visiting the [Approved Dealer Equipment](#) (ADE) website at *Home – Service Resources – Approved Dealer Equipment Website* or by calling 1-800-368-6787.
- 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_I	1

*Essential SST.

NOTE

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

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Calibration Information

MODEL	ENGINE	CALIBRATION ID	
		PREVIOUS	NEW
Grand Highlander HV	T24A-FTS	8A2220E06000 8A2220E06100 8A2220E06200 8A2220E06300 8A2220E06400	8A2220E06500

Repair Procedure

- Confirm the condition exists.
Does the vehicle exhibit a hesitation when accelerating from 0 – 40 mph with steady throttle?
 - YES** — Continue to step 2.
 - NO** — This bulletin does NOT apply. Continue diagnosis using the applicable Repair Manual.
- Use GTS+ to confirm if the ECM (PCM) calibration has been updated.
Is the calibration ID listed in GTS+ the latest ECM (PCM) calibration?
 - YES** — This bulletin does NOT apply. Continue diagnosis using the applicable Repair Manual.
 - NO** — Continue to step 3.
- Flash reprogram the ECM (PCM).

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*, and flash reprogram the ECM (PCM) with the NEW calibration file update.

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

NOTE

After DTCs are cleared, be sure to IG OFF and let vehicle rest for no less than 30 seconds before READY ON.