

High RPM Shift Point

Service Category Drivetrain

Section Automatic Transmission/Transaxle

Market USA

Toyota Supports
 ASE Certification 

Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION
2017	Sienna	

Introduction

Some 2017 model year Sienna vehicles may exhibit the following conditions:

- Lack of power from stop
- High RPM shift points at 2 – 3 shift
- Hesitation in lower gears
- Holds gear too long

The Engine Control Module (ECM) logic has been modified. Follow the Repair Procedure below to address this condition.

Warranty Information

OP CODE	DESCRIPTION	TIME	DRIVTRAIN	OPF	T1	T2
EG1639	Reprogram ECU (PCM)	0.4	2WD	89661-08163	87	99
EG1640			AWD	89661-08443		

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

DRIVETRAIN	PART NUMBER		PART NAME	QTY
	PREVIOUS	NEW		
2WD	89661-08163	89661-08164	Computer, Engine Control	1
AWD	89661-08443	89661-08444		
All	00451-00001-LBL		Authorized Modification Labels	1

NOTE


- The ECM (PCM) should NOT be replaced as part of the Repair Procedure.
- Authorized Modification Labels may be ordered in packages of 25 from the Materials Distribution Center (MDC) through *Dealer Daily – Dealer Support Materials Orders*.

Required Tools & Equipment

REQUIRED EQUIPMENT	SUPPLIER	PART NUMBER	QTY
Techstream 2.0*	ADE	TS2UNIT	1
Techstream Lite		TSLITEPDLR01	
Techstream Lite (Green Cable)		TSLP2DLR01	

NOTE

- **ONLY ONE** of the Techstream units listed above is required.
- Software version 11.30.137 or later is required.
- Additional Techstream units may be ordered by calling Approved Dealer Equipment (ADE) at 1-800-368-6787.
- The Diagnostic Tester is NOT recommended for flash reprogramming. Please 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
GR8 Battery Diagnostic Station*	00002-MCGR8	1

NOTE

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

* Essential SST.

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Calibration Information

MODEL	DRIVETRAIN	ECU TYPE	CALIBRATION ID	
			PREVIOUS	NEW
Sienna	2WD	Main	896630828000 896630828300	896630828400 / 896650807200
		Sub	896650807000 896650807100	
	AWD	Main	896630836000 896630836300	896630836400 / 896650808200
		Sub	896650808000 896650808100	

Repair Procedure

- Does the vehicle exhibit a lack of power, high RPM shift point at 2 – 3 shift, or hesitation in low gears?
 - YES** – Continue to step 2.
 - NO** – This bulletin does NOT apply. Continue diagnosis using the applicable Repair Manual.

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Repair Procedure

2. Check for the Authorized Modifications Label affixed to the vehicle in the location shown below. Is the calibration ID listed NOT the latest ECM (PCM) calibration?
 - **YES** – Continue to step 3.
 - **NO** – This bulletin does NOT apply. Continue diagnosis using the applicable Repair Manual.

Figure 1. Location of Authorized Modifications Label for 2017 Sienna



1	Replacement ECM (PCM) Part Number (i.e., 89681-76011)
2	New Calibration ID (i.e., 30CL5200)
3	Dealer Code

4	Date Completed
5	This SB Number

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Repair Procedure (Continued)

3. Flash reprogram the ECM (PCM).

NOTE

- The GR8 Battery Diagnostic Station **MUST** be used in Power Supply Mode to maintain battery voltage at 13.5 volts while flash reprogramming the vehicle.
- For details on how to use the GR8 Battery Diagnostic Station, refer to the [GR8 Instruction Manual](#) located on the Technical Information System (TIS), *Diagnostics – Tools & Equipment – Battery Diagnostics*.

Follow the procedures outlined in Service Bulletin No. [T-SB-0134-16](#) “Techstream ECU Flash Reprogramming Procedure,” and flash the ECM (PCM) with the NEW calibration file update.

4. Prepare and install the Authorized Modifications Label.
 - A. Using a permanent marker, enter the following information on the label:
 - ECM part number [Refer to the **Parts Information** section for the **NEW PART NUMBER**]
 - Calibration ID(s) [Refer to the **Calibration Information** section for the **NEW CALIBRATION ID**]
 - Dealer Code
 - Repair Date
 - Change Authority [**This bulletin number**]
 - B. Affix the Authorized Modifications Label to the vehicle at the location shown in Figure 1. The Authorized Modifications Label is available through the MDC, P/N 00451-00001-LBL.
5. Test drive the vehicle to confirm proper vehicle operation.