

Lack of Power, High RPM Shift Point, Hesitation in Low Gears, and/or Holds Gear Too Long

Service Category Drivetrain

Section Automatic Transmission/Transaxle

Market USA

Toyota Supports
 ASE Certification 

Applicability

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

REVISION NOTICE

December 11, 2020 Rev1:

- The entire bulletin has been updated.
- Any previous printed versions of this bulletin should be discarded.

Introduction

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

- Lack of power from stop.
- High RPM shift point at 2 – 3 shifts.
- Hesitation in low gears.
- Holds gear too long.

The Engine Control Module (ECM) (SAE term: Powertrain Control Module/PCM) logic has been modified. Follow the Repair Procedure in this bulletin to address these conditions.

Warranty Information

OP CODE	DESCRIPTION	TIME	DRIVETRAIN	OFF	T1	T2
800269	Reprogram ECU (PCM)	0.7	2WD	89661-08163	87	99
			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	89661-08167	Computer, Engine Control	–
AWD	89661-08443	89661-08447		
–	00451-00001-LBL		Authorized Modification Labels	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 15.30.027 or later is required.
- Additional Techstream units may be ordered by calling Approved Dealer Equipment (ADE) at 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 T	1

*Essential SST.

NOTE

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

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 tool, refer to the [DCA-8000 Instruction Manual](#) located at *TIS – Diagnostics – Tools & Equipment – Battery Diagnostics*.

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Calibration Information

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

*To determine whether the vehicle is before or after hardware change, reference [T-SB-0001-18](#), *Transaxle Assembly and ECM (PCM) Software Confirmation*.

Repair Procedure

1. Confirm one or more of the following conditions exist:
 - Lack of power from stop.
 - High RPM shift points at 2 – 3 shifts.
 - Hesitation in low gears.
 - Holds gear too long.

Does the vehicle exhibit ANY of the conditions listed above?

- **YES** — Continue to step 2.
 - **NO** — This bulletin does NOT apply. Continue diagnosis using the applicable Repair Manual.
2. Follow the procedures outlined in Service Bulletin No. [T-SB-0001-18](#), *Transaxle Assembly and ECM (PCM) Software Confirmation*, confirm transmission and ECU (PCM) hardware match, and complete repairs as needed.