

MIL ON With DTC P211904

Service Category Engine/Hybrid System

Section Engine Control

Market USA

Toyota Supports
 ASE Certification 

Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION
2017	Highlander, 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 Highlander and Sienna vehicles may exhibit a MIL ON condition with Diagnostic Trouble Code (DTC) P211904 – (Throttle Actuator “A” Control Throttle Body Range/Performance System Internal Failure). The Engine Control Module (ECM) (SAE term: Powertrain Control Module/PCM) logic has been modified to reduce the possibility of this condition. 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	STOP & START	PRODUCTION CHANGE EFFECTIVE VIN
Highlander	TMMI West	AWD	Y	5TDJZRFH#HS433631
			N	5TDBZRFH#HS433631
		2WD	Y	5TDKZRFH#HS216576
			N	5TDZZRFH#HS216576
Sienna	TMMI East	AWD	Y	5TDJZRFH#HS516309
				2WD
		2WD	N	5TDZZ3DC#HS863189
				5TDDZ3DC#HS176531

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Warranty Information

OP CODE	MODEL	DESCRIPTION	DRIVETRAIN	TIME	OPF	T1	T2
800269	Highlander	Reprogram ECM (PCM)	AWD	0.7	89661-0E830 89661-0E831	8A	99
					89661-0E840 89661-0E841		
			2WD		89661-0E850 89661-0E851		
					89661-0E860 89661-0E861		
	Sienna		AWD	0.7	89661-08443 89661-08444		
					2WD		

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.

Parts Information

MODEL	DRIVETRAIN	STOP & START	PART NUMBER		PART NAME	QTY
			PREVIOUS	NEW		
Highlander	AWD	Y	89661-0E830 89661-0E831	89661-0E835	Computer, Engine Control (ECM/PCM)	-
		N	89661-0E840 89661-0E841	89661-0E845		
	2WD	Y	89661-0E850 89661-0E851	89661-0E855		
		N	89661-0E860 89661-0E861	89661-0E865		
Sienna	AWD		89661-08443 89661-08444	89661-08447		
	2WD	89661-08163 89661-08164	89661-08167			
-	-	-	00451-00001-LBL		Authorized Modification Labels	1

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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	STOP & START	ECU TYPE	CALIBRATION ID	
				PREVIOUS	NEW*
Highlander	AWD	Y	Engine	896630E43000 896630E43100	896630E43200*/ 896650E09100*
			Transmission	896650E09000	
		N	Engine	896630E44000 896630E44100	896630E44200*/ 896650E10100*
			Transmission	896650E10000	
	2WD	Y	Engine	896630E45000 896630E45100	896630E45200*/ 896650E11100*
			Transmission	896650E11000	
		N	Engine	896630E46000 896630E46100	896630E46200*/ 896650E12100*
			Transmission	896650E12000	
Sienna	AWD	N	Engine	896630836000 896630836300 896630836400	896630836500*/ 896650808200*
			Transmission	896650808000 896650808100	
	2WD		Engine	896630828000 896630828300 896630828400	896630828500*/ 896650807200*
			Transmission	896650807000 896650807100	

*Refer to Service Bulletin No. [T-SB-0001-18](#) *Transaxle Assembly and ECM (PCM) Software Confirmation* for calibration information.

Repair Procedure

- Confirm the condition exists.
Does the vehicle exhibit a MIL ON condition with DTC P211904 present?
 - YES** — Continue to step 2.
 - NO** — This bulletin does NOT apply. Continue diagnosis using the applicable Repair Manual.
- 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.