

Intermittent 2nd - 3rd Up Shift Flare

Service Category Drivetrain

Section Automatic Transmission/Transaxle

Market USA

Toyota Supports
 ASE Certification 

Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION
2016	Tacoma	VDS(s): AX5GN Engine(s): 2TR Transmission(s): 6AT
2016	Tacoma	VDS(s): RX5GN Engine(s): 2TR Transmission(s): 6AT
2016	Tacoma	VDS(s): SX5EN Engine(s): 2TR Transmission(s): 6AT

Introduction

Some 2016 model year Tacoma vehicles equipped with the 2TR-FE engine and the AC60 6-speed automatic transmission may exhibit a flare during the 2-3 up shift. Customers may describe this as a momentary Automatic Transmission slipping feeling. The Engine Control Module (ECM, SAE term: Powertrain Control Module/PCM) calibration has been revised. Use the following Repair Procedure to address this condition.

Warranty Information

OP CODE	DESCRIPTION	TIME	OFFP	T1	T2
TC1505	Reprogram ECM (PCM) Engine	0.4	89661-04J70	9A	99

APPLICABLE WARRANTY

- This repair is covered under the Toyota Powertrain Warranty. This warranty is in effect for 60 months or 60,000 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.

Intermittent 2nd - 3rd Up Shift Flare

Parts Information

PART NUMBER		PART NAME	QTY
PREVIOUS	NEW		
89661-04J70	89661-04J71	Computer, Engine Control	-
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

SPECIAL SERVICETOOLS (SST)	PART NUMBER	QTY
GR8 Battery Diagnostic Station*	00002-MCGR8	1

* Essential SST.

NOTE

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

REQUIRED EQUIPMENT	SUPPLIER	PART NUMBER	QTY
Techstream 2.0*	ADE	TS2UNIT	1
Techstream Lite		TSLITEPDLR01	

* Essential SST.

NOTE

- Only ONE of the Techstream units listed above is required.
- Software version 10.20.030 or later is required.
- Additional Techstream units may be ordered by calling Approved Dealer Equipment (ADE) at 1-800-368-6787.

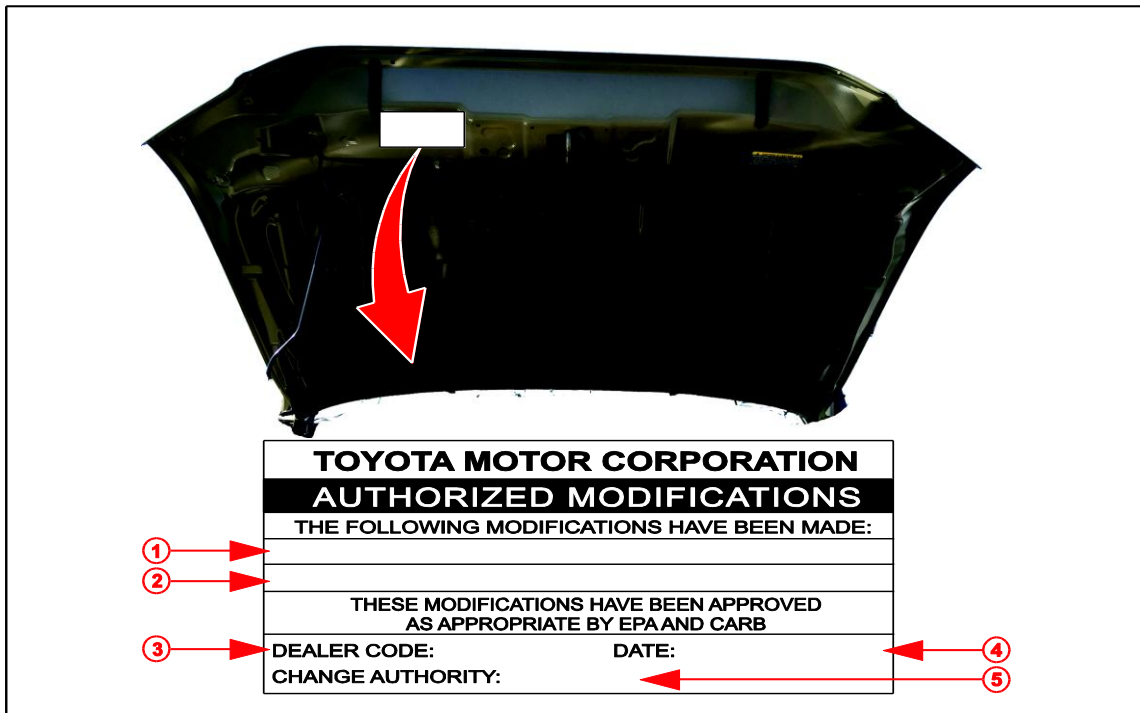
Intermittent 2nd - 3rd Up Shift Flare

Calibration Information

MODEL	ENGINE	CALIBRATION ID		VDS
		PREVIOUS	NEW	
Tacoma	2TR	304A2000	304A2100	AX5GN RX5GN SX5EN

Repair Procedure

- With vehicle at normal operating temperature, test drive and confirm there is a shift flare during 2-3 upshift. Is shift flare present?
 - YES** — Go to step 2.
 - NO** — This bulletin does NOT apply.
- Check for the Authorized Modifications Label affixed to the vehicle in the location shown in Figure 1. Confirm if the ECM (PCM) calibration has been updated. If the calibration ID listed is NOT the latest ECM (PCM) calibration — go to step 3.



1	Replacement ECM (PCM) Part Number (i.e., 89661-04A34)
2	New Calibration ID(s) (i.e., 30426400)
3	Dealer Code

4	Date Completed
5	This SB Number

Intermittent 2nd - 3rd Up Shift Flare

Repair Procedure (Continued)

- 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 detail on how to use the GR8 Battery Diagnostic Station, refer to the GR8 Instruction Manual (hyperlink) located on the Technical Information System (TIS), *Diagnostics – Battery*.

Follow the procedures outlined in the Service Bulletin T-SB-0064-10 (hyperlink), “*Techstream ECU Flash Reprogramming Procedure*”, and flash the ECM (PCM) with the NEW Calibration file update.

- Install the Authorized Modifications Label.
 - 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***]
 - 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.
- Start the engine and warm it up to normal operating temperature and test drive to confirm proper vehicle operation.