

Torque Converter Flex Lock-up Shudder

Service Category Drivetrain

Section Automatic Transmission/Transaxle

Market Mexico



Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION
2012 – 2014	Camry	VDS(s): BF1FK

Introduction

Some 2012 – 2014 model year Camry vehicles with a U760 transmission may exhibit a brief shudder intermittently while driving under light loads between approximately 40 – 80 kph (25 and 50 mph). The torque converter and Engine Control Module/ECM (SAE term: Powertrain Control Module/PCM) logic have been modified to reduce the possibility of this condition occurring. Please follow the Repair Procedure below to address this condition.

Production Change Information

This bulletin applies to vehicles produced **BEFORE** the Production Change Effective VINs shown below.

MODEL	PLANT	LINE	DRIVETRAIN	PRODUCTION CHANGE EFFECTIVE VIN
Camry	TMMK	1	U760E	4T1BF1FK#EU435094
		2		4T1BF1FK#EU841977

Warranty Information

OP CODE	DESCRIPTION	TIME	OFP	T1	T2
TC1500	R & R Torque Converter Clutch and Reprogram ECM (PCM) Engine	5.6	32000-06040 32000-06050 32000-33141 32000-73011	9B	50

APPLICABLE WARRANTY

- This repair is covered under the Toyota Basic Warranty. This warranty is in effect for 36 months or 60,000 kilometers, 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
PREVIOUS	NEW		
32000-06040 32000-06050 32000-33141 32000-73011	04004-48106	Converter Assy Kit, Torque	1
00289-ATFWS		ATF WS	5.6 US qts. (5.3 liters)

PART NUMBER	PART NAME	QTY
89661-06L00	Computer, Engine Control (ECM/PCM)	-
00451-00002-MEX	Authorized Modification Labels	1

NOTE

The ECM (PCM) should NOT be replaced as part of the repair procedure.

Calibration Information

EMISSION SPEC	ECM (CPU)	CALIBRATION ID	
		PREVIOUS	NEW
Camry (U760)	Main	30681000 30681100	30681200 / 50611500
	Sub	50611000 50611100 50611200 50611300 50611400	

Required Tools & Equipment

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

SPECIAL SERVICE TOOLS (SST)	PART NUMBER	QTY
GR8 Battery Diagnostic Station*	00002-MCGR8	1
Transmission Fill System*	00002-11100-02	1

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Required Tools & Equipment (Continued)

NOTE

- Only ONE of the Techstream units listed above is required.
- Software version 10.10.018 or later is required.
- Additional Techstream units may be ordered by calling Approved Dealer Equipment (ADE) at 01-800-288-7627.
- Additional SSTs may be ordered by calling 01-800-5045-111.
- 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.



* Essential SST.

Repair Procedure

1. With the vehicle at operating temperature, confirm the condition described in the Introduction.
 Is there a brief shudder intermittently present while driving under a light load between 40 – 80 kph (25 and 50 mph)? Typically, the condition will be most noticeable prior to an upshift.
 - YES — Continue to step 2.
 - NO — This bulletin does NOT apply. Continue diagnosis using the applicable Repair Manual.

NOTICE

Be sure to follow the procedure below in the order provided to prevent contamination of previously cleaned parts.

2. Drain the ATF from the transaxle by removing the drain plug.

Refer to the Technical Information System (TIS), applicable model and model year Repair Manual:

- [2012](#) / [2013](#) / [2014](#) Camry:
Drivetrain – Automatic Transmission/Transaxle – “U760E Automatic Transmission/Transaxle: Automatic Transaxle Fluid: Replacement”

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Repair Procedure (Continued)

3. Remove and replace the torque converter.

NOTE

Refer to Service Bulletin [T-SB-0016-15](#), "Repair Manual Supplement: Transaxle Replacement."

4. With the transaxle installed in the vehicle, remove the transaxle oil pan.

Refer to TIS, applicable model and model year Repair Manual:

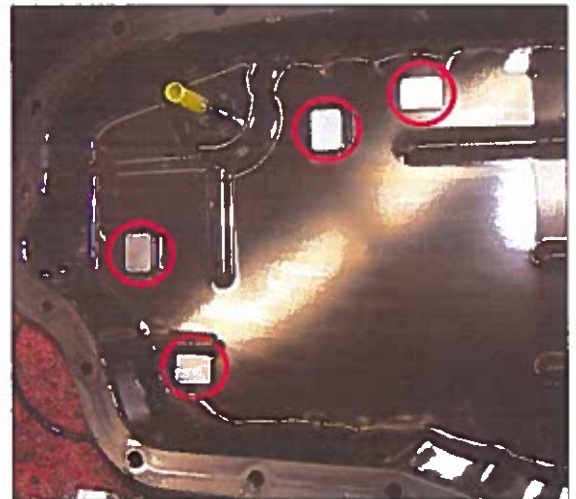
- [2012](#) / [2013](#) / [2014](#) Camry:
Drivetrain – Automatic Transmission/Transaxle – "U760E Automatic Transmission/Transaxle: Valve Body Assembly: Removal"
5. Remove and discard the 2 oil pan magnets and clean the inside of the oil pan by wiping it off with a clean cloth only.

NOTICE

Do NOT use any chemical cleaners to clean the inside of the oil pan.

6. Install 4 NEW magnets in the locations shown in Figure 1.

Figure 1. Magnet Installation Locations



7. Reinstall the oil pan using a NEW oil pan gasket.

Refer to TIS, applicable model and model year Repair Manual:

- [2012](#) / [2013](#) / [2014](#) Camry:
Drivetrain – Automatic Transmission/Transaxle – "U760E Automatic Transmission/Transaxle: Valve Body Assembly: Installation"

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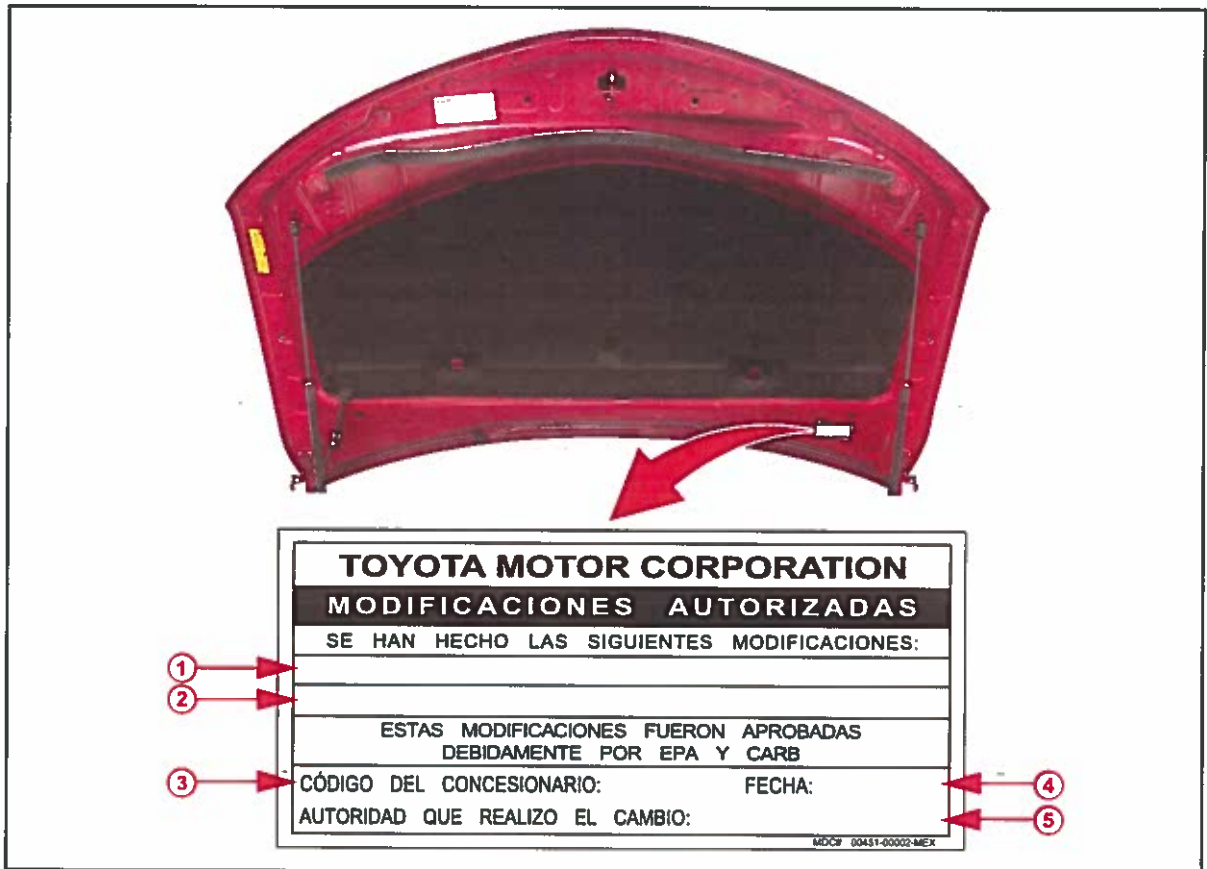
Repair Procedure (Continued)

- Reinstall the drain plug using a NEW drain plug gasket and refill the transaxle with ATF.

Refer to TIS, applicable model and model year Repair Manual:

- 2012 / 2013 / 2014 Camry:
Drivetrain – Automatic Transmission/Transaxle – “U760E Automatic Transmission/Transaxle: Automatic Transaxle Fluid: Replacement”
- Check for the Authorized Modifications Label affixed to the vehicle in the location shown in Figure 2 below. Confirm if the ECM (PCM) calibration has been updated. If the calibration ID listed is NOT the latest ECM (PCM) calibration — go to step 10. If the calibration ID is the latest, go to step 12.

Figure 2. Location of Authorized Modifications Label on 2012 – 2014 Camry



1	Replacement ECM (PCM) Part Number (i.e., 89661-06K64)
2	New Calibration ID(s) (i.e., 30681200)
3	Dealer Code

4	Date Completed
5	This SB Number

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Repair Procedure (Continued)

10. 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-0085-12](#), "Techstream ECU Flash Reprogramming Procedure," and flash the ECM (PCM) with the NEW calibration file update.

11. 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 2. The Authorized Modifications Label is available through the MDC, P/N 00451-00002-MEX.
12. Perform the Techstream ECT Reset Memory Utility and test drive to confirm the repair.