



**Technical Service
BULLETIN**

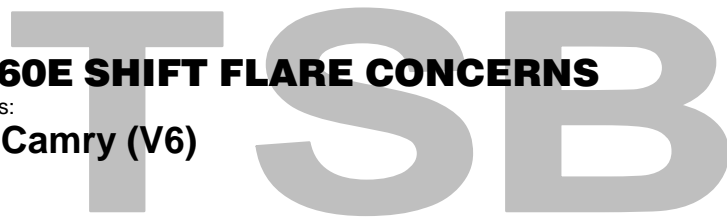
May 17, 2007

Title:

U660E SHIFT FLARE CONCERNS

Models:

'07 Camry (V6)



REVISED

TC007-07

TRANSMISSION & CLUTCH

TSB REVISION NOTICE:

- July 24, 2007: The Production Change Information table has been added.
 - June 26, 2007: "TSB UPDATE NOTICE" has been added.
- Previous versions of this TSB should be discarded.

TSB UPDATE NOTICE:

The information contained in this TSB supersedes TSB No. TC002-07. TSB No. TC002-07 is now obsolete and should be discarded.

Introduction Some customers may experience a shift flare that is most noticeable after a cold soak under the following operating conditions:

- 3rd to 4th upshift during the first 10 minutes of operation
- 2nd to 3rd and/or 4th to 5th upshift
- 5th to 4th downshift when accelerating from coast or decelerating between 30 – 40 mph

The Transmission Control Module (TCM) logic has been revised to help improve these specific customer concerns. In the event the reflash does NOT completely resolve the issue, the automatic transaxle assembly should also be replaced.

Applicable Vehicles

- **2007** model year **Camry (V6)** vehicles produced **BEFORE** the Production Change Effective VINs shown below.

Production Change Information

MODEL	PLANT	PRODUCTION CHANGE EFFECTIVE VIN
Camry	TMC	JTNBK46K#73029804
	TMMK Line 1	4T1BK46K#7U051297
	TMMK Line 2	4T1BK46K#7U557234

Warranty Information

OP CODE	DESCRIPTION	TIME	OPF	T1	T2
TC7006	Recalibrate TCM	0.6	89530-33011	9A	99
Combo A	R & R ATM	7.3			

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 correction of a problem based upon a customer's specific complaint.



Parts Information



PREVIOUS PART NUMBER	CURRENT PART NUMBER	PART NAME	QTY
N/A	00451-00001-LBL	Authorized Modifications Label	1
30510-33530	Same	Automatic Transaxle Assembly w/Torque Converter	1
89530-33011	89530-33012*	Computer, Transmission Control (TCM)	-
00289-ATFWS	Same	ATF WS	As Needed

* The TCM should NOT be replaced as part of the Repair Procedure.

NOTE:

Authorized Modification Labels may be ordered in packages of 25 from the Materials Distribution Center (MDC) through Dealer Daily Dealer Support Materials System or by calling the MDC at 1-800-622-2033.

Required Tools & Material

REQUIRED EQUIPMENT	SUPPLIER	PART NUMBER	QTY
TIS Techstream* NOTE: Software version 2.00.008 or later is required. 	ADE	TSUNT	1
GR8 Battery Diagnostic Station* 	SPX/OTC	00002-MCGR8	1

* Essential SSTs.

NOTE:

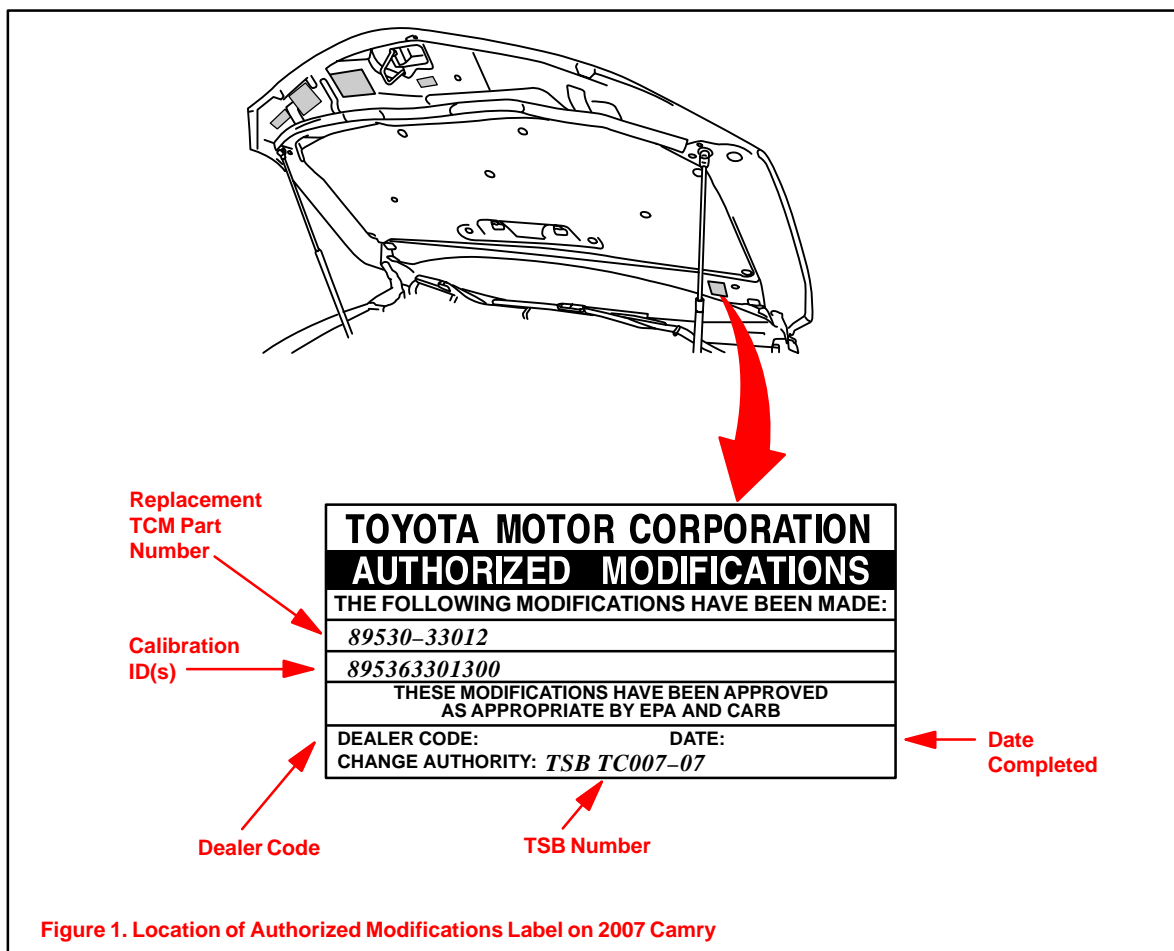
- Additional Techstream units may be ordered by calling Approved Dealer Equipment (ADE) at 1-800-368-6787.
- The Toyota Diagnostic Tester and CAN Interface Module may also be used to perform the service procedures listed in this bulletin.
- The GR8 Battery Diagnostic Station (P/N 00002-MCGR8) supersedes the Automatic Trickle Charger (P/N 00002-YA122-01) and Fast Battery Chargers (Associated P/N ASE6003 and Christie P/N CAPPDQ). P/N 00002-YA122-01, ASE6003, and CAPPDQ are now obsolete.

Calibration Identification Chart

MODEL YEAR	MODEL	ENGINE	PREVIOUS CALIBRATION ID	NEW CALIBRATION ID
2007	Camry	2GR-FE	895363301000	895363301300
			895363301100	
			895363301200	

Repair Procedure

1. Check for the Authorized Modifications Label affixed to the vehicle in the location shown in Figure 1. Confirm if the TCM calibration has been updated. If the calibration ID listed is NOT the latest TCM calibration — go to step 2.



2. Allow the vehicle to cold soak for a minimum of 4 hours.
3. Connect TIS Techstream to DLC3.
4. Turn the engine switch ON.
5. Turn the TIS Techstream tester ON.
6. Enter the following menus on the tester: Vehicle / ECT / Data List.
7. Start the engine.
8. Test drive the vehicle to duplicate the customer's concern.
If one of the shift flares described in this TSB occurs, flash reprogram the TCM.

**Repair
Procedure**
(Continued)

9. Flash reprogram the TCM.

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 TIS, *Diagnostics – Battery*.

Follow the procedures outlined in TSB No. SS002–07, “*Techstream ECU Flash Reprogramming Procedure*,” and flash the ECM (PCM) with the NEW calibration file update.

10. Start the engine and warm it up to normal operating temperature before test–driving.
11. Allow the vehicle to cold soak for a minimum of 4 hours.
12. Test–drive the vehicle to confirm proper vehicle operation.
13. If the condition still exists, remove and replace the automatic transaxle assembly w/torque converter.

NOTE:

When the automatic transaxle is replaced, the transaxle compensation code MUST be input into the TCM. After the automatic transaxle is reinstalled, the QR code label will be positioned where the code cannot be read. Record the transaxle compensation code BEFORE reinstalling the automatic transaxle.

14. After replacement of the transaxle assembly w/torque converter enter the new transaxle compensation code.

Refer to TSB No. TC003–06, “*U660E Automatic Transaxle Compensation Code Input Process*”.

15. Install the Authorized Modifications Label.

- A. Using a permanent marker, enter the following information on the label:

- TCM part number: [Refer to the **Parts Information** section for the **CURRENT PART NUMBER**]
- Calibration ID(s): [Refer to the **Calibration Identification Chart** for the **NEW CALIBRATION ID**]
- Dealer Code
- Repair Date
- Change Authority (this TSB number): *TC007–07*

- 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.

16. Allow the vehicle to cold soak for a minimum of 4 hours.
17. Test–drive the vehicle to confirm proper vehicle operation.