



**Technical Service  
Information Bulletin**

July 9, 2007

Title:

# HESITATION OR BUMP FEELING UPON ACCELERATION FROM A STOP

Models:

'07 LS 460/460L

TRANSMISSION & CLUTCH  
TC009-07

**Introduction** Some 2007 model year LS 460 and 460L customers may complain about a condition where a hesitation or gear engagement bump feeling occurs when accelerating after being stopped in the Drive position for a few seconds. The Transmission Control Module (TCM) logic has been revised to improve this condition.

- Applicable Vehicles**
- **2007** model year **LS 460/460L** vehicles produced **BEFORE** the Production Change Effective VIN shown below.

**Production  
Change  
Information**

MODEL	PRODUCTION CHANGE EFFECTIVE VIN
LS 460	JTHBL46F*75046335
LS 460L	JTHGL46F*75019253

**Parts  
Information**

PREVIOUS PART NUMBER	CURRENT PART NUMBER	PART NAME	QTY
N/A	00451-00001-LBL	Authorized Modifications Label	1
89535-50010 89535-50011 89535-50012	89535-50013	Computer, Transmission Control (TCM)	-

**NOTE:**

- The TCM 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 System or by calling the MDC at 1-800-622-2033.

**Warranty  
Information**

OP CODE	DESCRIPTION	TIME	OFF	T1	T2
TC7007	Recalibrate Transmission Control Module (TCM)	0.5	89535-5001#	04	99

**Applicable Warranty\*:**

This repair is covered under the Lexus Powertrain Warranty. This warranty is in effect for 72 months or 70,000 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.



**Required Tools & Material**

REQUIRED EQUIPMENT	SUPPLIER	PART NUMBER	QTY
<b>TIS Techstream*</b> NOTE: Software version 2.10.016 or later is required. 	ADE	TSUNT	1
<b>GR8 Battery Diagnostic Station*</b> 	SPX/OTC	00002-MCGR8	1

\* Essential SSTs.

**NOTE:**

- The Diagnostic Tester is NOT recommended for flash reprogramming with this calibration file. Please use TIS Techstream or an approved J2534 interface to perform this update. Visit [techinfo.toyota.com](http://techinfo.toyota.com) for more information regarding J2534 reprogramming.
- Additional Techstream units may be ordered by calling Approved Dealer Equipment (ADE) at 1-800-368-6787.
- 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.

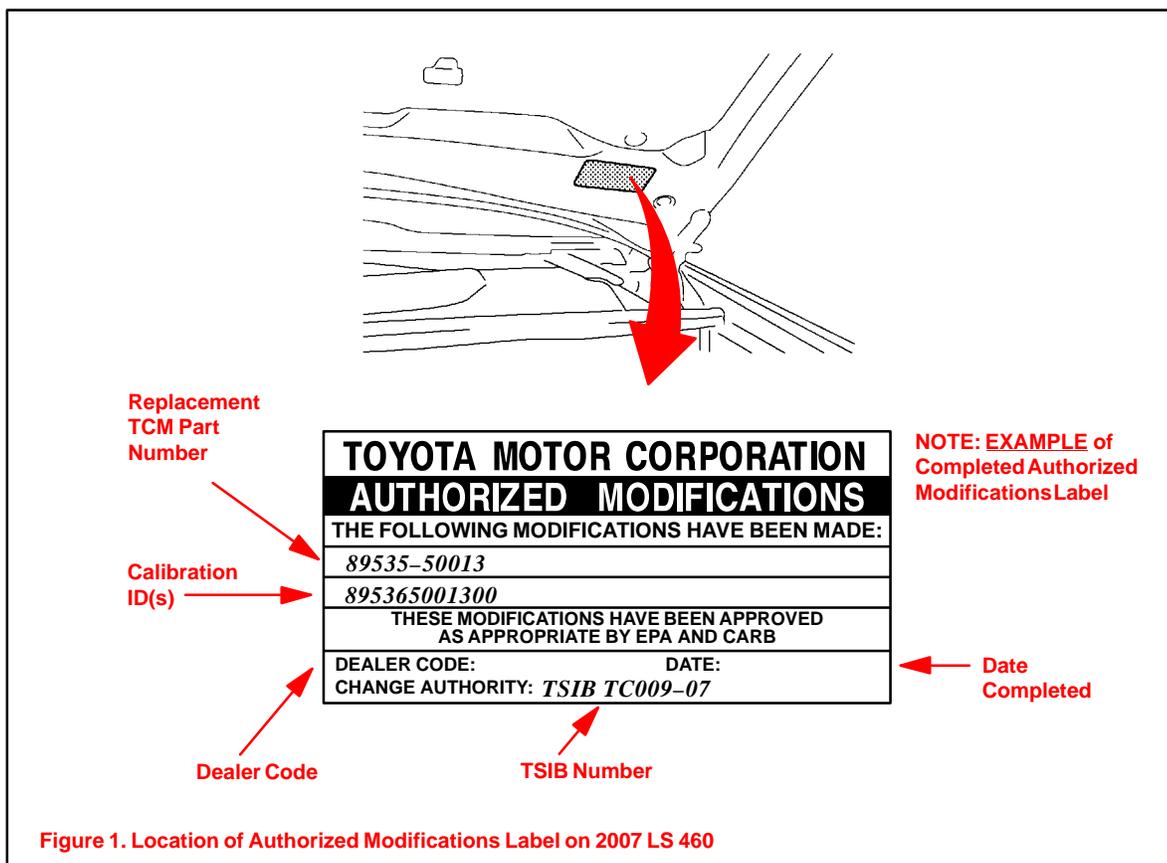


**Calibration Identification Chart**

MODEL	MODEL YEAR	PREVIOUS CALIBRATION ID	NEW CALIBRATION ID
LS 460	2007	895365001000	895365001300
		895365001100	
LS 460L		895365001200	

**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. Flash reprogram the TCM.

**NOTE:**

- The GR8 Battery charger **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 charger please refer to the GR8 Instructions Manual, located on TIS, *Diagnostics – Battery*.

Follow the procedures outlined in TSIB No. SS002-07, “Techstream ECU Flash Reprogramming Procedure,” and flash the TCM with the NEW calibration file update.

3. 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 TSIB number): TC009-07

**Repair  
Procedure**  
(Continued)

- 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.
- 4. The repair is complete. Test drive the vehicle to confirm normal operation.
- 5. Clear any DTCs that set during the reprogramming process.