

Technical Service Information Bulletin April 16, 2007

this condition.

### Title: BRAKE HOLD SYSTEM DOES NOT RELEASE UPON ACCELERATION Models:

'07 LS 460/460L

Some 2007 model year LS 460 vehicles may display a condition where the vehicle does NOT accelerate from a stop with the Brake Hold System engaged. The Transmission Control Module (TCM) logic has been revised to prevent

Applicable vehicles • 2007 model year LS 460/460L vehicles produced BEFORE the Production Change Effective VINs shown below.

Production	MODEL	PRODUCTION CHANGE EFFECTIVE VIN
Change Information	LS 460	JTHBL46F*75024913
	LS 460L	JTHGL46F*75008196

#### Parts Information

Introduction

PREVIOUS PART NUMBER	CURRENT PART NUMBER	PART NAME	QTY
N/A	00451-00001-LBL	Authorized Modifications Label	1
89535–500##	89535–50012	Computer, Transmission Control (TCM)	1

# 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

y	OP CODE	DESCRIPTION	TIME	OFP	T1	T2
n	TC7003	Recalibrate Transmission Control Module (TCM)	0.5	89535–50010 89535–50011	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.



**TRANSMISSION & CLUTCH** 

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

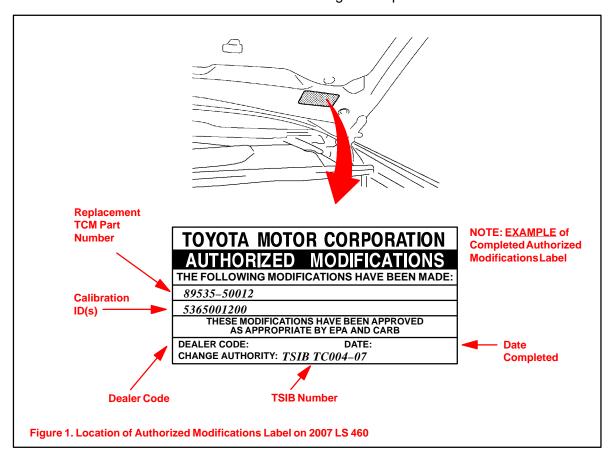
#### NOTE:

- Additional Techstream units may be ordered by calling Approved Dealer Equipment (ADE) at 1–800–368–6787.
- The Lexus Diagnostic Tester (with software version 14.0 or later) 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

on	MODEL	MODEL YEAR	PREVIOUS CALIBRATION ID	NEW CALIBRATION ID	
on art	LS 460	2007	895365001000	005005004000	
	LS 460L		895365001100	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): *TC004–07*

Repair<br/>Procedure<br/>(Continued)B. Affix the Authorized Modifications Label to the vehicle at the location shown in<br/>Figure 1. The Authorized Modifications Label is available through the MDC,<br/>P/N 00451–00001–LBL.

4. The repair is complete. Test drive the vehicle to confirm normal operation.