



Technical Service BULLETIN

August 30, 2002

Title: **ECM CALIBRATION UPDATE**
1MZ-FE ENGINE SURGING
Models: '02 Camry 1MZ-FE

T S B

ENGINE
FC017-02

Introduction Some 2002 model year Camry vehicles equipped with the 1MZ-FE engine may exhibit a surging during light throttle input at speeds between 38 – 42 MPH with lock-up (L/U) "ON". The Engine Control Module (ECM) calibration has been revised to correct this condition.

NOTE:

These calibration files supersede the calibration files found in TSB EG013-01 dated September 7, 2001.

**Applicable
Vehicles**

- 2002 model year Camry vehicles with 1MZ-FE engine.

**ECM
Calibration
Number
Information**

PREVIOUS CALIBRATION ID NUMBER	NEW CALIBRATION ID NUMBER
53310000 or 53310100	53310200

**Required Tools
& Material**

TOOLS & MATERIAL	PART NUMBER	QUANTITY
Toyota Diagnostic Tester Kit* 	01001271	1
12 Megabyte Diagnostic Tester Program Card with version 9.1 Software (or later)* 	01002593-005	1

* Essential SSTs.

NOTE:

Additional Diagnostic Tester Kits, Program Cards or SSTs may be ordered by calling OTC at 1-800-833-8338.

**Warranty
Information**

OP CODE	DESCRIPTION	TIME	OFF	T1	T2
EG 2008	Recalibrate ECM	0.5	Use appropriate ECM OFF	03	99

Applicable Warranty*:

This repair is covered under the Toyota Federal Emissions Warranty. This warranty is in effect for 88 months or 80,000 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.



Toyota Supports ASE Certification

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Parts
Information

PREVIOUS PART NUMBER	CURRENT PART NUMBER	PART NAME	MODEL
N/A	00461-00001-LBL	Authorized Modification Label	All
89661-3T660 89661-3T661 89661-3T662 89661-3T663 89661-3T664	89661-3T665	ECM	Tesutsumi
89666-06250 89666-06251 89666-06252 89666-06253 89666-06254	89666-06255	ECM	TMMK

NOTE:

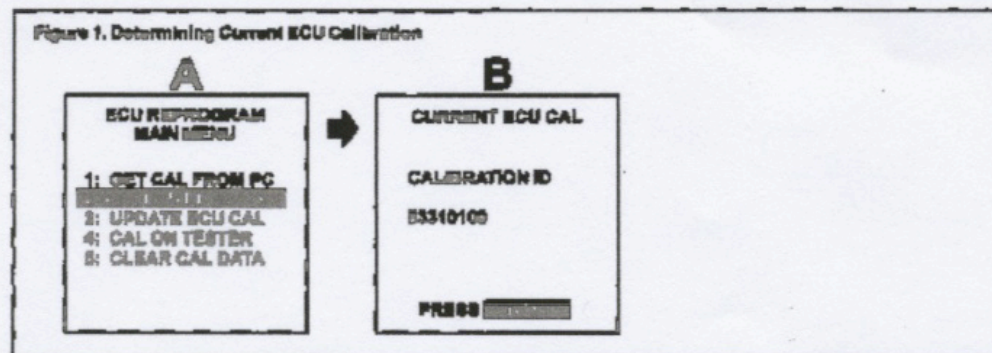
Authorized Modifications Labels may be ordered in packages of 25 from the Materials Distribution Center (MDC) through TDN Dealer Support Materials System, or by calling the MDC at 1-800-822-3033.

Repair
Procedure

Verify vehicle condition based on customer complaint. Once condition is confirmed, proceed to Step 1.

1. Check for Authorized Modification Label affixed to vehicle in location as shown in Figure 2.
 - A. If there is no label, proceed to step 2.
 - B. If the label is present with the calibration ID 53310100 only, proceed to step 2.
2. Connect the Diagnostic Tester to the vehicle and select CURRENT ECU CAL from the ECU REPROGRAM MAIN MENU. Determine the vehicle's current ECU calibration. (See Figure 1).

Figure 1. Determining Current ECU Calibration



NOTE:

- If Calibration ID matches "Previous Calibration ID" as shown on page 1, proceed with fresh reprogramming.
- If calibration ID matches "New Calibration ID" as shown on page 1, this vehicle has already been reprogrammed.



**Flash
Reprogram
ECM**

1. Follow the procedures outlined in TSB SS002-01 dated March 9, 2001, ECU Flash Reprogramming Process.
2. Select proper ECM calibration file for the vehicle model and reprogram ECM.
3. After flash reprogramming ECM, enter the following information on the Authorized Modifications Label using a permanent marker.
 - A. ECU Part Number and new Calibration ID.
 - 89668-06255 (TMMK), 53310200
 - 89661-3T665 (Tsutsumi), 53310200
 - B. Your Dealer Code.
 - C. Reprogramming Date.
 - D. This TSB number.
4. Attach the Authorized Modifications Label to the underside of the engine hood as shown below.

Figure 2. Authorized Modifications Label on Cavity

