



Technical Service BULLETIN

March 3, 2003

Title:

M.I.L. "ON" DTC P0300

Models:

'00 - '01 Camry & Solara (5S-FE)

ENGINE
EG004-03
REVISED

TSB REVISION NOTICE:

**June 29, 2004: The Applicable Vehicles information has been revised.
All previous versions of this TSB should be discarded.**

TSB UPDATE NOTICE:

**The information contained in this TSB updates EG011-01 dated August 3, 2001.
The previous TSB (EG011-01) should be discarded.**

Introduction Under certain conditions, some 2000 and 2001 model year 5S-FE equipped Camry and Solara vehicles may exhibit a M.I.L. "ON" with DTC P0300 (Random Multiple Cylinder Misfire). These vehicles may also exhibit a hard-to-start, start and stall, or rough idle condition when cold. The Engine Control Module (ECM) logic (SAE term: Powertrain Control Module/PCM) has been modified and a series of key component tests have been established to correct this condition.

Applicable Vehicles

- **2000** model year **Camry** and **Solara** vehicles equipped with **5S-FE engine** and **California emissions specification**.
- **2001** model year **Camry** and **Solara** vehicles equipped with **5S-FE engine** and either **California emissions** or **Federal emissions specification**.

Warranty Information

OP CODE	DESCRIPTION	TIME	OPN	T1	T2
EG2011	ECM (PCM) Replacement, Throttle Body Check/Adjustment and Remove and Inspect 4 Plugs. Install In-Tank Cleaner and Drive Vehicle. Remove and Inspect all Fuel Injectors, Replace as Necessary	3.0	89666-06### 89666-33### 23209-03010	*	99

* Please use applicable T1 code from Warranty manual.

Applicable Warranty**:

The fuel injector repair is covered under the Federal Toyota Comprehensive Warranty. This warranty is in effect for 36 months or 36,000 miles, whichever occurs first, from the vehicle's in-service date.

The ECM (PCM) is covered under the Federal Toyota Comprehensive Warranty. This warranty is in effect for 96 months or 80,000 miles, whichever occurs first, from the vehicle's in-service date.

For California specification vehicles registered and operated in California, Massachusetts or Vermont, this repair is covered under the California Emissions Warranty which is 84 months or 70,000 miles, whichever comes first, from the vehicle in-service date.

** Warranty application is limited to correction of a problem based upon a customer's specific complaint.



Toyota Supports ASE Certification

**Required
Tools &
Material**

TOOLS & MATERIALS	PART NUMBER	QUANTITY
Fuel Injector Cleaner	08813-00080	1 can

**Parts
Information**

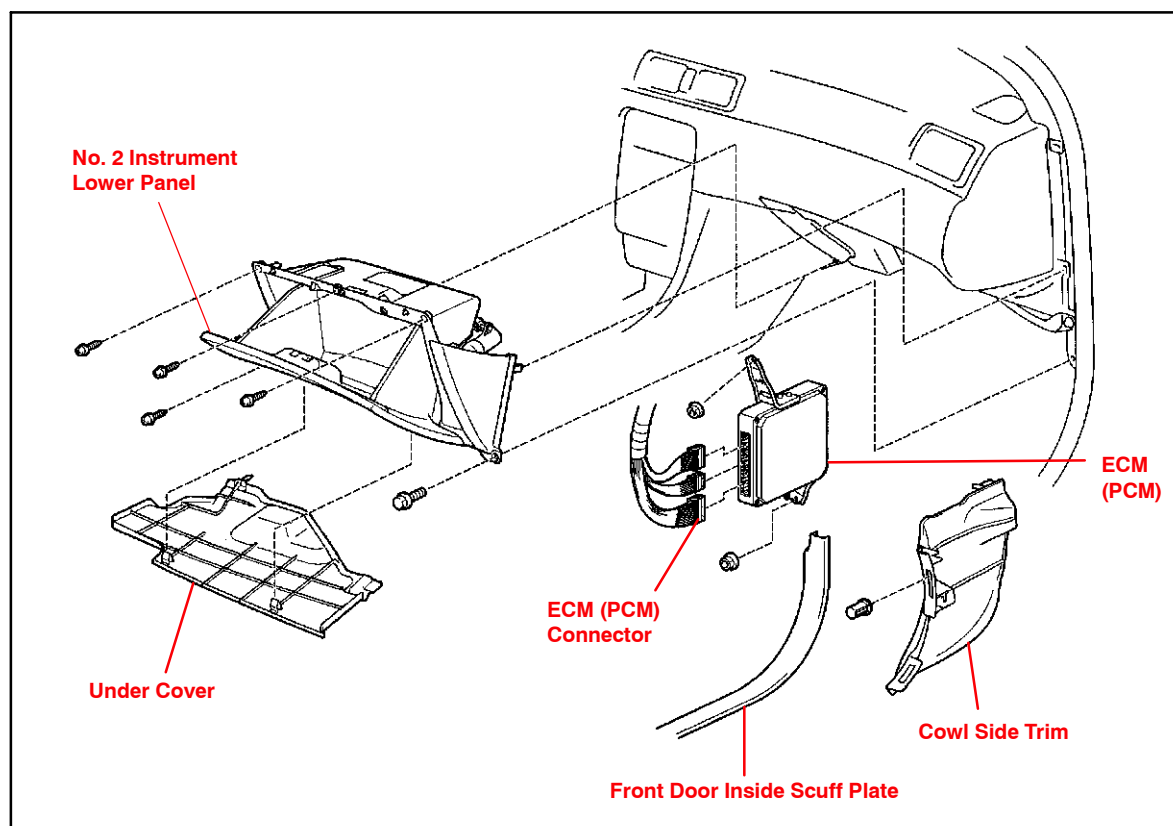
PREVIOUS PART NUMBER	CURRENT PART NUMBER	PART NAME	QTY
89666-06120 89666-33160 89666-06042 89666-33032	89666-06121	ECM, AT without Immobilizer	1
89666-06110 89666-33150	89666-06111	ECM, MT without Immobilizer	1
89666-06130 89666-33170 89666-06082 89666-33062	89666-06131	ECM, AT with Immobilizer	1
23209-03010	Same	Injector Set, Fuel	4

**Repair
Procedure****STEP 1:**

Disconnect the negative battery terminal.

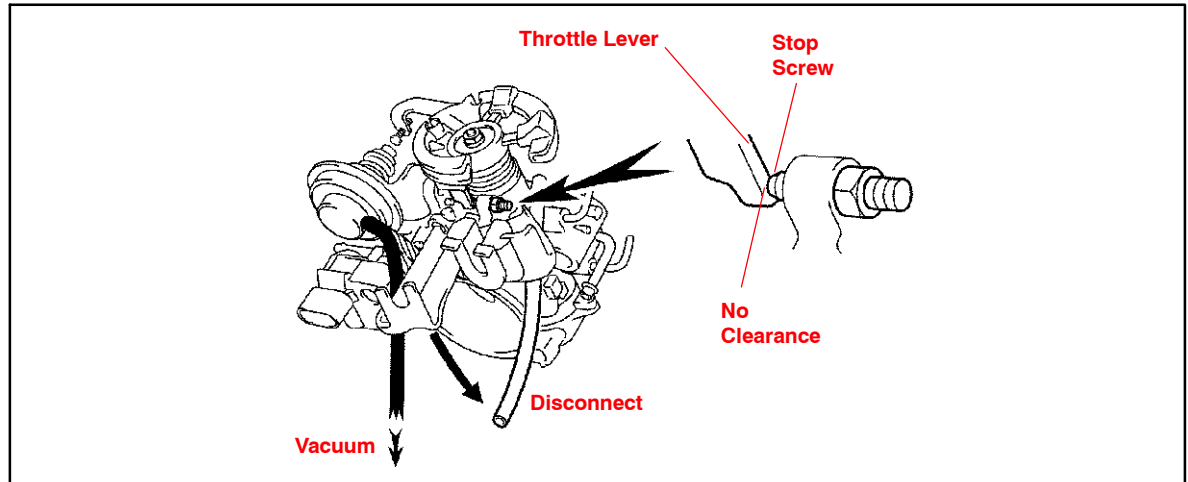
STEP 2:

Remove and replace the ECM (PCM) per instructions in the 2001 Camry Repair Manual, Pub. No. RM819U, Volume 2, page SF-64, or the Solara Repair Manual, Pub. No. RM834U2, page SF-61.



**Repair
Procedure**
(Continued)**STEP 3:**

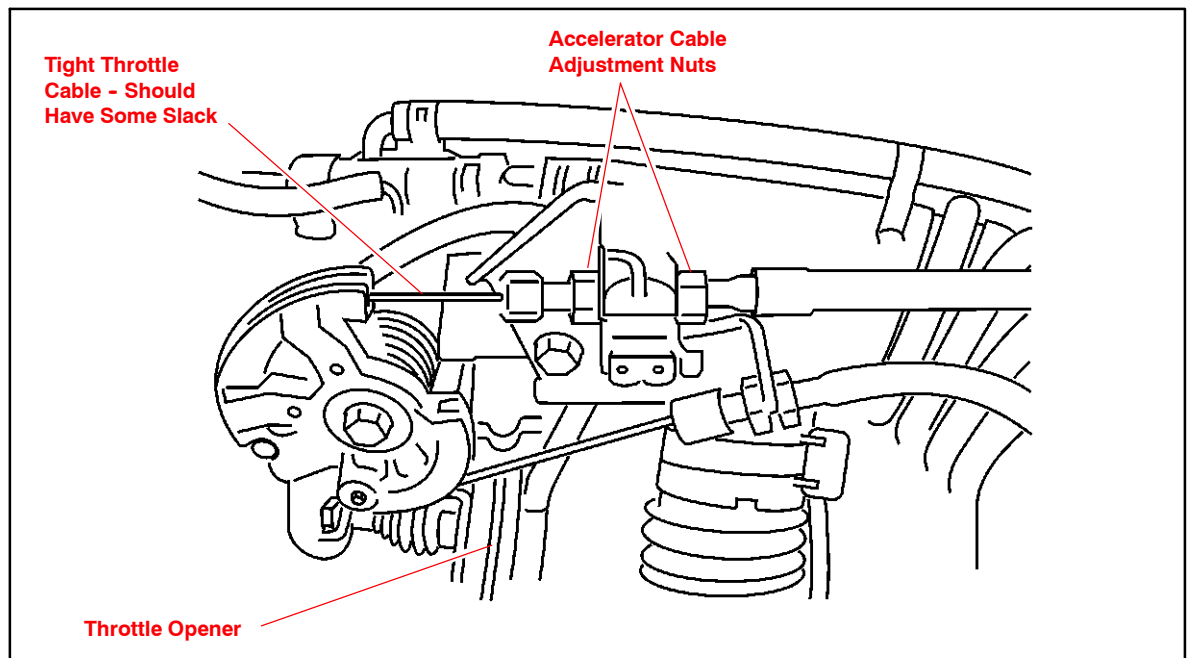
1. Connect a hand-held vacuum pump to the throttle opener and apply vacuum.
2. Verify that the throttle lever contacts the throttle stop screw with no clearance between the two as shown in the diagram in the 2001 Camry Repair Manual, Pub. No. RM819U, Volume 2, on page SF-33, or the Solara Repair Manual, Pub. No. RM834U2, page SF-30.



3. Then verify that the accelerator cable, from the accelerator pedal or from the cruise control unit, is not overly tight at the throttle body adjustment.

NOTE:

- There should be enough play in the cable so that with the throttle fully closed the cable housing can be moved without moving the throttle valve.
- The cable should not seem taut to the touch.



4. Once you have finished this inspection and adjustment verify that the throttle can achieve a fully open position.

**Repair
Procedure**
(Continued)**STEP 4:**

1. Remove and inspect all spark plugs for carbon fouling. If the plugs are fouled, replace them.
2. Remove and inspect all 4 fuel injectors. If any injector has a stain or discoloration on the tip, replace all 4 injectors. Fuel injector removal and installation instructions can be found in the 2001 Camry Repair Manual, Pub. No. RM819U, Volume 2, on pages SF-22 and SF-25, respectively, or the Solara Repair Manual, Pub. No. RM834U2, pages SF-18 and SF-22.
3. Install and torque all spark plugs.
4. Add one can of Fuel Injector Cleaner P/N 08813-00080 into the fuel tank.

STEP 5:

Replace the negative battery cable and tighten. Start and drive the vehicle at least 30 minutes at 60 miles per hour to facilitate the removal of carbon. Then restart and drive the vehicle at least one more time to verify proper operation of all components and correction of the M.I.L. "ON" condition.

NOTE:

In the interest of ensuring a satisfying ownership experience for our customers, ensure that they are aware of the following information:

- This vehicle is designed to run best on name brand regular fuel (87 Octane).
- Attempting to start the vehicle with the accelerator pedal depressed can lead to some amount of misfire and possibly contribute to causing a M.I.L. "ON" condition.