



Technical Service BULLETIN

August 11, 2004

Title:

M.I.L. "ON" DTC P0300 (RANDOM MISFIRE) AND/OR P030# (SINGLE CYLINDER MISFIRE)

Models:

'03 - '04 Celica (1ZZ-FE, Manual Transmission)

ENGINE
EG031-04

Introduction Under certain conditions, some 2003 - 2004 model year Celica vehicles may exhibit M.I.L. "ON" with DTC P0300 (Random Misfire) and/or P030# (Single Cylinder Misfire). The Engine Control Module (ECM) (SAE term: Powertrain Control Module/PCM) logic has been modified to correct this condition.

Applicable Vehicles

- 2003 - 2004 model year **Celica** vehicles equipped with **1ZZ-FE engine** and **manual transmission** produced **BEFORE** the Production Change Effective VIN shown below.



Production Change Information

MODEL	ENGINE	TRANSMISSION	PRODUCTION CHANGE EFFECTIVE VIN
Celica	1ZZ-FE	Manual	JTDDR3#T#40176236

Parts Information

PREVIOUS PART NUMBER	CURRENT PART NUMBER	PART NAME	QTY
89661-2G381	89661-2G382	Computer, Engine Control	1

Required SSTs

SPECIAL SERVICE TOOLS (SSTs)	PART NUMBER	QUANTITY
Toyota Diagnostic Tester Kit* 	01001271	1
12 Megabyte Diagnostic Tester Program Card with version 10.2a Software (or later)* 	01002593-005	1

* Essential SSTs.

NOTE:

Additional Diagnostic Tester Kits, Program Cards or other SSTs may be ordered by calling SPX/OTC at 1-800-933-8335.

Warranty Information

OP CODE	DESCRIPTION	TIME	OFP	T1	T2
EG4012	Connection of Diagnostic Tester and R & R Engine ECM (PCM)	0.9	89661-2G381	8A	74

Applicable Warranty*:

This repair is covered under the Toyota Specified Major Emission Control Component Warranty. This warranty is in effect for 96 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.



Repair Procedure

1. Should a M.I.L. "ON" condition with DTC P0300 and/or P030# be encountered, perform diagnostic procedures as described in the Technical Information System (TIS) 2003 or 2004 model year Celica Repair Manual: *Diagnostics: Engine (1ZZ-FE): P0300, P0301, P0302, P0303, P0304 Cylinder 4 Misfire Detected (Celica)*.
2. If the problem source cannot be identified after checking all affected areas according to TIS, the cause may be an ECM (PCM) logic malfunction. In this case, replace the ECM (PCM) with the updated part according to TIS:
 - 2003 model year Celica Repair Manual: *Engine Mechanical: Engine Unit: Removal (steps 10 a-d)*.
 - 2004 model year Celica Repair Manual: *Engine Mechanical: Engine Unit: Removal (steps 12 a-d)*.

