



Technical Service BULLETIN

November 16, 2005

Title:

M.I.L. "ON" DTC P0171 OR P2195

Models:

'05 – '06 Corolla & Matrix

ENGINE
EG051-05

Introduction Under certain driving conditions, some 2005 and 2006 model year Corolla and Matrix vehicles may exhibit a M.I.L. "ON" condition with at least one of the following DTCs:

- P0171 (System Too Lean [Bank 1])
- P2195 (Oxygen [A/F] Sensor Signal Stuck Lean [Bank 1, Sensor 1])

The Air Fuel (A/F) sensor manufacturing process has been improved to correct this condition. The following repair procedures should be used to properly diagnose and repair the affected vehicles.

- Applicable Vehicles**
- **2005 – 2006** model year **Corolla** and **Matrix** vehicles produced **BEFORE** the Production Change Effective VINs shown below.

Production Change Information

MODEL	ENGINE	PLANT	PRODUCTION CHANGE EFFECTIVE VIN
Corolla	1ZZ-FE	Takaoko	JTDBR3#E#60058893
		NUMMI	1NXBR3#E#6Z596819
Matrix		TMMC	2T1BR3#E#6C576811
		2T1KR3#E#6C565110	

Parts Information

MODEL	ENGINE	PREVIOUS PART NUMBER	CURRENT PART NUMBER	PART NAME	QTY
Corolla	1ZZ-FE	89467-12010	Same	Sensor, Air Fuel Ratio	1
Matrix					1

Warranty Information

OP CODE	DESCRIPTION	TIME	OFP	T1	T2
895131	R & R A/F Sensor	0.8	89467-12010	8A	71



Applicable Warranty*:

This repair is covered under the Toyota Federal Emission Warranty. This warranty is in effect for 36 months or 36,000 miles, whichever occurs first, from the vehicle's in-service date. For California specification vehicles sold, registered, and operated in California, Maine, Massachusetts, and Vermont, this repair is covered under the California Emission Warranty, which is 36 months or 50,000 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 SSTs

ITEM NO.	SPECIAL SERVICE TOOLS (SSTs)	PART NUMBER	QTY	DRW**
1	<p>Toyota Diagnostic Tester Kit*</p> <p>NOTE:</p> <ul style="list-style-type: none"> All components from this kit/set are required 12 Megabyte Diagnostic Tester Program Card (P/N 01002593–005) with version 13.0a Software (or later) is required 	TOY220036	1	9
2	<p>CAN Interface Module Kit*</p> <p>NOTE:</p> <ul style="list-style-type: none"> All components from this kit/set are required 	01002744	1	9

* Essential SSTs.

** Refers to drawer number in SST Storage System.

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

Repair Procedure

DTC P0171

Refer to the Technical Information System (TIS), 2005 – 2006 model year Corolla or Matrix Repair Manual: *Diagnostics: SFI System (1ZZ–FE): P0171.*

DTC P2195

Refer to TIS, 2005 – 2006 model year Corolla or Matrix Repair Manual: *Diagnostics: SFI System (1ZZ–FE): P2195.*