



**Technical Service
BULLETIN**

November 16, 2005

Title:

**M.I.L. "ON" DTC P0171, P0174,
P2195, OR P2197**

Models:

'06 Land Cruiser

**ENGINE
EG054-05**

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

- P0171 (System Too Lean [Bank 1])
- P0174 (System Too Lean [Bank 2])
- P2195 (Oxygen [A/F] Sensor Signal Stuck Lean [Bank 1, Sensor 1])
- P2197 (Oxygen [A/F] Sensor Signal Stuck Lean [Bank 2, 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 • **2006** model year **Land Cruiser** vehicles produced **BEFORE** the Production Change Effective VIN shown below.

**Production
Change
Information**

MODEL	ENGINE	PRODUCTION CHANGE EFFECTIVE VIN
Land Cruiser	2UZ-FE	JTEHT0#J#62086650

**Parts
Information**

MODEL	ENGINE	PREVIOUS PART NUMBER	CURRENT PART NUMBER	PART NAME	QTY
Land Cruiser	2UZ-FE	89467-71020	Same	Sensor, Air Fuel Ratio (Bank 1)	1
		89467-60020	Same	Sensor, Air Fuel Ratio (Bank 2)	1

**Warranty
Information**

OP CODE	DESCRIPTION	TIME	OFF	T1	T2
895131	R & R A/F Sensor	0.6	89467-71020	8A	71
			89467-60020		



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	Toyota Diagnostic Tester Kit* NOTE: <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	CAN Interface Module Kit* NOTE: <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 or P0174**

Refer to the Technical Information System (TIS), 2006 model year Land Cruiser Repair Manual: *2UZ-FE Engine Control System: SFI System: P0171, P0174.*

NOTE:

Only replace the A/F sensor indicated by the M.I.L. "ON" DTC(s).

DTC P2195 or P2197

Refer to TIS, 2006 model year Land Cruiser Repair Manual: *2UZ-FE Engine Control System: SFI System: P2195, P2197.*

NOTE:

Only replace the A/F sensor indicated by the M.I.L. "ON" DTC(s).