



**Technical Service  
Information Bulletin**

November 17, 2005

Title:

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

Models:

**'05 – '06 GX 470 & '06 LX 470**

**ENGINE  
EG018-05**

**Introduction** Under certain driving conditions, some 2005 and 2006 model year GX 470 and 2006 model year LX 470 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**

- **2005 – 2006** model year **GX 470** vehicles produced **BEFORE** the Production Change Effective VIN shown below.
- **2006** model year **LX 470** vehicles produced **BEFORE** the Production Change Effective VIN shown below.

**Production Change Information**

MODEL	ENGINE	PRODUCTION CHANGE EFFECTIVE VIN
GX 470	2UZ-FE	JTJBT2#X#60099677
LX 470		JTJHT0#W#64008695

**Warranty Information**

OP CODE	DESCRIPTION	MODEL	TIME	OFP	T1	T2
895131	R & R A/F Sensor	GX 470	1.6	89467-71020	8A	71
		LX 470	0.3	89467-71020		
				89467-60020		

**Applicable Warranty\*:**

**This repair is covered under the Lexus Comprehensive Warranty. This warranty is in effect for 48 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.



**Parts Information**

MODEL	ENGINE	PREVIOUS PART NUMBER	CURRENT PART NUMBER	PART NAME	QTY
GX 470	2UZ-FE	89467-71020	Same	Sensor, Air Fuel Ratio	1
LX 470		89467-71020	Same	Sensor, Air Fuel Ratio (Bank 1)	1
		89467-60020	Same	Sensor, Air Fuel Ratio (Bank 2)	1

**Required SSTs**

ITEM NO.	SPECIAL SERVICE TOOLS (SSTs)	PART NUMBER	QTY	DRW**
1	<p><b>Lexus Diagnostic Tester Kit*</b></p> <p>NOTE:</p> <ul style="list-style-type: none"> <li>All components from this kit/set are required</li> <li>12 Megabyte Diagnostic Tester Program Card (P/N 01002593-005) with version 13.0a Software (or later) is required</li> </ul> 	LEX220036	1	8
2	<p><b>CAN Interface Module Kit*</b></p> <p>NOTE:</p> <ul style="list-style-type: none"> <li>All components from this kit/set are required</li> </ul> 	01002744	1	8

\* 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) as follows:

- 2005 or 2006 model year GX 470 Repair Manual: *Diagnostics: SFI System (2UZ-FE): P0171, P0174.*
- 2006 model year LX 470 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 as follows:

- 2005 or 2006 model year GX 470 Repair Manual: *Diagnostics: SFI System (2UZ-FE): P2195, P2197.*
- 2006 model year LX 470 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).