


# MIL "ON" DTC P0430

**Service Category** Engine/Hybrid System

**Section** Engine Control

**Market** USA

Lexus Supports  
ASE Certification 

## Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION
2010	RX450H	

### SUPERSESSION NOTICE

The information contained in this bulletin supersedes SB No. L-SB-0127-11.

- The Parts Information section has been updated.

Service Bulletin No. L-SB-0127-11 is Obsolete and any printed versions should be discarded. Be sure to review the entire content of this bulletin before proceeding.

## Introduction

Some 2010 model year RX 450h vehicles may exhibit a MIL "ON" condition with Diagnostic Trouble Code (DTC) P0430 stored in the Engine Control Module or ECM (SAE term: Powertrain Control Module/PCM). Use the following Repair Procedure to address this condition.

## Warranty Information

OP CODE	DESCRIPTION	TIME	OFF	T1	T2
895181	R & R Bank 2 O2 Sensor	1.0	89465-48220 89465-0E040	8A	71

### APPLICABLE WARRANTY

- This repair is covered under the Lexus Federal 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 occurrence of the specified condition described in this bulletin.

## MIL "ON" DTC P0430

### Parts Information

PART NUMBER		PART NAME	QTY
PREVIOUS	NEW		
89465-48220 89465-0E040		Sensor, Oxygen No. 2	1
90917-06065 90917-06089	90080-43036	Gasket, Exhaust Pipe - (Front)	1
90917-06089	90080-43036	Gasket, Exhaust Pipe - Type A (Rear) 63.1 mm outside diameter	*1
90917-06046		Gasket, Exhaust Pipe - Type B (Rear) 66 mm outside diameter	*1
82715-48F10		Bracket, wiring harness clamp	1

\*Applicability based on exhaust pipe flange outside diameter.

### Required Tools & Equipment

REQUIRED EQUIPMENT	SUPPLIER	PART NUMBER	QTY
Techstream 2.0*	ADE	TS2UNIT	1
Techstream Lite		TSLITEPDLR01	

\* Essential SST.

**NOTE**

- Only ONE of the Techstream units listed above is required.
- Software version 9.31.000 or later is required.
- Additional Techstream units may be ordered by calling Approved Dealer Equipment (ADE) at 1-800-368-6787.

### Required Tools & Equipment

SPECIAL SERVICE TOOLS (SST)	PART NUMBER	QTY
Oxygen Sensor Socket*	<a href="#">09224-00010-01</a>	1

\* Essential SST.

**NOTE**

Additional SSTs may be ordered by calling 1-800-933-8335.

## MIL "ON" DTC P0430

### Repair Procedure

1. Using Techstream, verify DTC P0430 (Catalyst System Efficiency Below Threshold [Bank 2]) is present.
2. Inspect the O2 B2S2 voltage and the O2 B2S2 Impedance.
3. If the O2 B2S2 voltage is 1.275 Volts or the O2 Impedance B2S2 is over 300 ohms with the engine at normal operating temperature replace the B2 O2 sensor and wire harness clamp.

#### NOTE

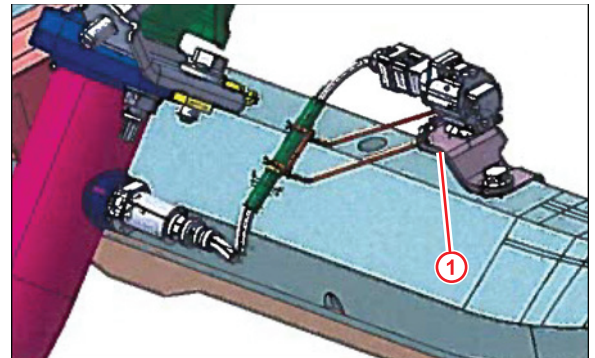
If the above conditions are not present this bulletin does NOT apply. Proceed with normal Repair Manual diagnostic procedures.

Refer to the Technical Information System (TIS), applicable model and model year Repair Manual:

2010 RX 450h:

- *Engine/Hybrid System – Engine Control – Heated Oxygen Sensor – (vehicles produced to 08/2009) 2GR-FXE Engine Control: “Heated Oxygen Sensor: [Removal / Installation](#)”*
  - *Engine/Hybrid System – Engine Control – Heated Oxygen Sensor – (vehicles produced from 08/2009) 2GR-FXE Engine Control: “Heated Oxygen Sensor: [Removal / Installation](#)”*
4. Clear all DTCs and test drive the vehicle to confirm the condition has been corrected.

Figure 1.



1 Wire Harness Clamp