

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 – 2011	RX450H	

REVISION NOTICE

April 7, 2014 Rev2

- The Warranty Information and Required Tools and Equipment sections have been updated.

June 22, 2012 Rev1:

- Applicability has been updated to include 2011 model year vehicles.

Any previous printed versions of this bulletin should be discarded.

Introduction

Some 2010 – 2011 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.

Production Change Information

This bulletin applies to vehicles produced **BEFORE** the Production Change Effective VINs shown below.

MODEL	DRIVETRAIN	PLANT	PRODUCTION CHANGE EFFECTIVE VIN
RX 450h	2WD	TMK Line 1	JTJZB1BA#B2005963
	AWD		JTJBC1BA#B2045059
	2WD	TMK Line 2	JTJZB1BA#B2405501
	AWD		JTJBC1BA#B2421953

MIL "ON" DTC P0430

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.

Parts Information

PART NUMBER		PART NAME	QTY
PREVIOUS	NEW		
89465-48220 89465-0E040	89465-48270	Sensor, Oxygen No. 2	1
90080-43036		Gasket, Exhaust Pipe - (Front)	1
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

*Applicability based on exhaust pipe flange outside diameter.

Required Tools & Equipment

REQUIRED EQUIPMENT	SUPPLIER	PART NUMBER	QTY
Techstream 2.0*	ADE	TS2UNIT	1
TIS Techstream		TSPKG1	
Techstream Lite		TSLITEDLR01	

* Essential SST.

NOTE

- Only ONE of the Techstream units listed above is required.
- Software version 9.00.026 or later is required.
- Additional Techstream units may be ordered by calling Approved Dealer Equipment (ADE) at 1-800-368-6787.

MIL "ON" DTC P0430

Required Tools & Equipment

SPECIAL SERVICE TOOLS (SST)	PART NUMBER	QTY
Oxygen Sensor Socket*	09224-00010-01	1

* Essential SST.

NOTE

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

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.

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](#)”*

2011 RX 450h:

- *Engine/Hybrid System – Engine Control – Heated Oxygen Sensor – 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.

