


MIL "ON" DTC P0505

Service Category Engine/Hybrid System

Section Engine Control

Market USA

Lexus Supports
ASE Certification 

Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION
2007 – 2009	ES350	
2007 – 2010	RX350	

Introduction

Some vehicles with 2GR-FE engines may exhibit a MIL "ON" condition with Diagnostic Trouble Code (DTC) P0505 stored in the Engine Control Module or ECM (SAE term: Powertrain Control Module/PCM). Use the following repair procedure to address customer concerns.

Production Change Information

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

MODEL	PLANT	DRIVETRAIN	PRODUCTION CHANGE EFFECTIVE VIN
ES 350	TMK	2WD	JTHBJ46G*92320793
RX 350			JTJZK1BA*A2000338
	AWD	JTJBK1BA*A2000705	
	TMMC	2WD	2T2ZK1BA*AC006289
		AWD	2T2BK1BA*AC013368

Parts Information

PREVIOUS PART NUMBER	CURRENT PART NUMBER	PART NAME	QTY
22030-0P050	22030-0P050	Body Assy, Throttle w/ Motor	1
22030-31030			
22271-0P020	Same	Gasket, Throttle Body	1

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Warranty Information

OP CODE	DESCRIPTION	MODEL	MODEL YEAR	TIME	OFP	T1	T2
210061	R & R Throttle Body Assembly and Gasket	ES 350 RX 350	2007-2009	0.8	22030-##0#0	8A	99
		RX 350	2010	1.7			

APPLICABLE WARRANTY

- This repair is covered under the Lexus Federal Emission Warranty. This warranty is in effect for 48 months or 50,000 miles, whichever occurs first, from the vehicle's in-service date.
- For California specification vehicles sold, registered, and operated in California, Connecticut (starting with '08 MY), Maine, Massachusetts, New Jersey (starting with '09 MY), Oregon (starting with '09 MY), Pennsylvania (starting with '08 MY), Rhode Island (starting with '08 MY), Vermont, and Washington (starting with '09 MY), this repair is covered under the California Emission Warranty. This warranty is in effect for 84 months or 70,000 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 Tools & Equipment

REQUIRED EQUIPMENT	SUPPLIER	PART NUMBER	QTY
TIS Techstream* NOTE: Software version 4.12.001 or later is required.	ADE	TSPKG1	1

* Essential SST.

NOTE

Additional TIS Techstream units may be ordered by calling Approved Dealer Equipment (ADE) at 1-800-368-6787.

REQUIRED MATERIAL	PART NUMBER	QTY
Super Long Life Coolant (SLLC)	00272-SLLC2	9.5 U.S. qts (9.0 liters)

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Repair Procedure

1. Using TIS Techstream, check for any stored DTCs.

Verify that DTC P0505 is present.

NOTE

If other DTCs are present along with P0505, this TSIB does NOT apply. Follow Repair Manual procedures to diagnose those DTCs.

2. Inspect the PCV hose connections and air induction system for leaks.
3. If no concerns are found, replace the throttle body assembly.

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

- [2007](#) / [2008](#) / [2009](#) ES 350:
*Engine/Hybrid System – Engine Control – “2GR-FE Engine Control System: Throttle Body: **Removal**”*
 - [2007](#) / [2008](#) / [2009](#) ES 350:
*Engine/Hybrid System – Engine Control – “2GR-FE Engine Control System: Throttle Body: **Installation**”*
 - [2007](#) / [2008](#) / [2009](#) / [2010](#) RX 350:
*Engine/Hybrid System – Engine Control – “2GR-FE Engine Control System: Throttle Body: **Removal**”*
 - [2007](#) / [2008](#) / [2009](#) / [2010](#) RX 350:
*Engine/Hybrid System – Engine Control – “2GR-FE Engine Control System: Throttle Body: **Installation**”*
4. Start the engine, allow it to reach normal operating temperature, and test drive to verify the repair.