

MIL ON With DTC P0505 and/or P2111

Service Category Engine/Hybrid System

Section Engine Control

Market USA and Mexico

Toyota Supports
ASE Certification 

Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION
2016 - 2020	GS F	Engine(s): 2UR
2008 - 2014	IS F	Engine(s): 2UR
2022 - 2025	IS500	Engine(s): 2UR
2018 - 2025	LC500	Engine(s): 2UR
2021 - 2025	LC500C	Engine(s): 2UR Body Type(s): Convertible
2015 - 2025	RC F	Engine(s): 2UR

Introduction

Some 2016 – 2020 model year GS F, 2008 – 2014 model year IS F, 2022 – 2025 model year IS 500, 2018 – 2025 model year LC 500, 2021 – 2025 model year LC 500c, and 2015 – 2025 model year RC F vehicles with 2UR-GSE engines may exhibit a MIL ON condition with one or more of the following Diagnostic Trouble Codes (DTCs):

- P0505 – Idle Control System
- P2111 – Throttle Actuator Control System – Stuck Open

The throttle body assembly with motor and ventilation hoses no. 2 and no. 3 have been modified to address these conditions. Follow the Repair Procedure in this bulletin to address these conditions.

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Production Change Information

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

MODEL	PLANT	ENGINE	FRAME TYPE	VDS	PRODUCTION CHANGE EFFECTIVE VIN		
LC 500	Motomachi	2UR-GSE	URZ100	AP5AY	JTHLP5AY#SA111756		
				HP5AY			
				JP5AY			
				DP5AY			
				BP5AY			
				LP5AY			
				CP5AY			
LC 500c					EP5AY	JTHMPAAY#SA111757	
					BP5AY		
					MPAAY		
					KPAAY		
					GPAAY		
GSF				URL10	BP1BL	JTHBP1BL#LA003244	
					IS F	USE20	BP262
		BP5C2					
IS 500			USE30	UP1D2	JTHAP1D2#S5007419		
				AP1D2			
RC F	Tahara		USC10	JP5BC	JTHBP5BC#S5009207		
				BP5BC			
				YP5BC			
				AP5BC			
				DP5BC			

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Warranty Information

For USA Market

OP CODE	DESCRIPTION	MODEL	TIME	OFP	T1	T2
EG2501	R & R Throttle Body Assembly With Motor, Gasket, and Ventilation Hoses	IS 500	1.3	22030-38###*	8A	99
		GS F RC F	1.4			
		IS F	1.5			
		LC 500	1.6			
		LC 500c	1.8			

*Warranty claim MUST be submitted with the correct 10-digit OFP. Choose the correct OFP for the vehicle being repaired by searching for the parts in the Electronic Parts Catalog using the VIN filter.

APPLICABLE WARRANTY

- This repair is covered under the Lexus Basic Warranty. This warranty is in effect for 48 months or 50,000 miles, whichever occurs first, from the vehicle's in-service date.
- For vehicles equipped with a California Certified Emission Control System that are registered and operated in California or any state that adopts California emission warranty — California Emission Long-Term Defect Warranty is in effect for 7 years or 70,000 miles from the vehicle's in-service date, whichever occurs first. (Please reference Policy 4.7, and/or the Owner's Warranty & Maintenance Guide for additional information).
- Warranty application is limited to occurrence of the specified condition described in this bulletin.

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Warranty Information (continued)

For Mexico Market

OP CODE	DESCRIPTION	MODEL	TIME	OFF	T1	T2
EG2501	R & R Throttle Body Assembly With Motor, Gasket, and Ventilation Hoses	IS 500	1.3	22030-38###*	8A	99
		GS F RC F	1.4			
		IS F	1.5			
		LC 500	1.6			
		LC 500c	1.8			

*Warranty claim MUST be submitted with the correct 10-digit OFF. Choose the correct OFF for the vehicle being repaired by searching for the parts in the Electronic Parts Catalog using the VIN filter.

APPLICABLE WARRANTY

- This repair is covered under the Lexus Basic Warranty. This warranty is in effect for 48 months or 80,000 kilometers, 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		
12262-38091	12262-38092	Ventilation Hose No. 2*	1
12262-38100	12262-38101		1
12263-38051	12263-38052	Ventilation Hose No. 3*	1
12263-38060	12263-38061		1
22030-38050		Throttle Body Assy w/ Motor	1

*Confirm that the correct ventilation hoses are being ordered from the Electronic Parts Catalog using the VIN filter.

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Required Tools & Equipment

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

REQUIRED EQUIPMENT	SUPPLIER	PART NUMBER	QTY
Techstream ADVi*	ADE	TSADVUNIT	1
Techstream Lite		TSLITEPDLR01	
Techstream Lite (Green Cable)		TSLP2DLR01	

*Essential SST.

NOTE

- Only ONE of the Techstream units listed above is required.
- GTS+ software version 2025.02.006.02 or later is required.
- Additional Techstream units may be ordered by calling Approved Dealer Equipment (ADE) at 1-800-368-6787 (USA) or 01-55-50103041 (Mexico) or by visiting *TIS – Diagnostics – Tools & Equipment – Techstream Order Portal*.

Repair Procedure

1. Confirm the condition exists.
Does the vehicle exhibit a MIL ON with one or more of the following DTCs:
 - P0505 – Idle Control System
 - P2111 – Throttle Actuator Control System – Stuck Open
 - **YES** — Continue to step 2.
 - **NO** — This bulletin does NOT apply. Continue diagnosis using the applicable Repair Manual.

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Repair Procedure (continued)

2. Remove the throttle body assembly with motor and ventilation hoses no. 2 and no. 3.
Refer to TIS, applicable model and model year Repair Manual:
 - [2016 – 2020](#) GS F:
Engine / Hybrid System – 2UR-GSE (Engine Control): Throttle Body – Removal
 - [2008](#) / [2009](#) / [2010](#) / [2011](#) / [2012](#) / [2013](#) / [2014](#) IS F:
Engine / Hybrid System – 2UR-GSE (Engine Control): Throttle Body – Removal
 - [2022 – 2025](#) IS 500:
Engine / Hybrid System – 2UR-GSE (Engine Control): Throttle Body – Removal
 - [2018 – 2025](#) LC 500:
Engine / Hybrid System – 2UR-GSE (Engine Control): Throttle Body – Removal
 - [2021 – 2025](#) LC 500c:
Engine / Hybrid System – 2UR-GSE (Engine Control): Throttle Body – Removal
 - [2015 – 2025](#) RC F:
Engine / Hybrid System – 2UR-GSE (Engine Control): Throttle Body – Removal

3. Install the NEW throttle body assembly with motor and ventilation hoses no. 2 and no. 3.
Refer to TIS, applicable model and model year Repair Manual:
 - [2016 – 2020](#) GS F:
Engine / Hybrid System – 2UR-GSE (Engine Control): Throttle Body – Installation
 - [2008](#) / [2009](#) / [2010](#) / [2011](#) / [2012](#) / [2013](#) / [2014](#) IS F:
Engine / Hybrid System – 2UR-GSE (Engine Control): Throttle Body – Installation
 - [2022 – 2025](#) IS 500:
Engine / Hybrid System – 2UR-GSE (Engine Control): Throttle Body – Installation
 - [2018 – 2025](#) LC 500:
Engine / Hybrid System – 2UR-GSE (Engine Control): Throttle Body – Installation
 - [2021 – 2025](#) LC 500c:
Engine / Hybrid System – 2UR-GSE (Engine Control): Throttle Body – Installation
 - [2015](#) / [2016 – 2025](#) RC F:
Engine / Hybrid System – 2UR-GSE (Engine Control): Throttle Body – Installation

4. Clear ALL DTCs and confirm the conditions are no longer present.