

Misfire While Driving With EGR Active

Service Category Engine/Hybrid System

Section Emission Control

Market USA

Lexus Supports
ASE Certification 

Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION
2011 - 2016	CT200H	

Introduction

Some 2011 – 2016 model year CT 200h (2ZR-FXE equipped) vehicles may exhibit a “runs rough” and/or MIL “ON” condition with DTC(s) P0300, P0301, P0302, P0303, and P0304 (Misfire) during light acceleration while the Exhaust Gas Recirculation (EGR) system is active. This condition can be caused by clogged EGR ports in the Intake Manifold Assembly. If the EGR ports are clogged, then replace the intake manifold assembly to address this condition.

Warranty Information

OP CODE	DESCRIPTION	TIME	OFP	T1	T2
170011	R & R Intake Manifold Assembly	1.7	17120-37050	8A	88
			17120-37051		
			17120-37052		
			17120-37053		
			17120-37054		

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. Warranty application is limited to occurrence of the specified condition described in this bulletin.
- For California specification vehicles sold, registered, and operated in California, Arizona (12MY only), Connecticut, Delaware (starting with 14MY), Maine, Maryland (starting with 11MY), Massachusetts, New Jersey, New Mexico (11MY only), Oregon, Pennsylvania, Rhode Island, Vermont and Washington, this repair is covered under the CA Emission Long-Term Warranty for 84 months or 70,000 miles, whichever occurs first, from the vehicle's in-service date.

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Parts Information

PART NUMBER		PART NAME	QTY
PREVIOUS	NEW		
17120-37050	17120-37054	Manifold Assy, Intake	1
17120-37051			
17120-37052			
17120-37053			
17120-37054			
25634-37010	25634-37030	Gasket, EGR Pipe	1

Required Tools & Equipment

REQUIRED EQUIPMENT	SUPPLIER	PART NUMBER	QTY
Techstream 2.0*	ADE	TS2UNIT	1
Techstream Lite		TSLITEPDLR01	
Techstream Lite (Green Cable)		TSLP2DLR01	

* Essential SST.

NOTE

- Only ONE of the Techstream units listed above is required.
- Software version 11.10.034 or later is required.
- Additional Techstream units may be ordered by calling Approved Dealer Equipment (ADE) at 1-800-368-6787.

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Repair Procedure

1. Use Techstream to check for DTCs P0300, P0301, P0302, P0303, and/or P0304, and confirm the condition per the Introduction.

NOTE

- This bulletin is **ONLY** applicable if the condition occurs during EGR operation while driving. If the symptoms are different, this bulletin does **NOT** apply, proceed with normal misfire diagnostics.
- During a road test the EGR can be disabled by disconnecting the EGR connector to verify the condition.

2. Remove and replace the Intake Manifold Assembly.

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

- 2011 CT 200h:
Engine/Hybrid System – Intake/Exhaust – “2ZR-FXE Intake/Exhaust: Intake Manifold: [Removal](#) / [Installation](#)”
- 2012 CT 200h:
Engine/Hybrid System – Intake/Exhaust – “2ZR-FXE Intake/Exhaust: Intake Manifold: [Removal](#) / [Installation](#)”
- 2013 CT 200h:
Engine/Hybrid System – Intake/Exhaust – “2ZR-FXE Intake/Exhaust: Intake Manifold: [Removal](#) / [Installation](#)”
- 2014 CT 200h:
Engine/Hybrid System – Intake/Exhaust – “2ZR-FXE Intake/Exhaust: Intake Manifold: [Removal](#) / [Installation](#)”
- 2015 – 2016 CT 200h:
Engine/Hybrid System – Intake/Exhaust – “2ZR-FXE Intake/Exhaust: Intake Manifold: [Removal](#) / [Installation](#)”

3. Clear the DTC(s) and verify normal vehicle operation.