

MIL ON With DTC P013A

Service Category Engine/Hybrid System

Section Engine Control

Market USA

Lexus Supports
ASE Certification 

Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION
2020	NX300H	

Introduction

Some 2020 model year NX300h vehicles equipped with a 2AR-FXE engine may exhibit a MIL ON condition with Diagnostic Trouble Code (DTC) P013A (Oxygen Sensor Slow Response – Rich to Lean Bank 1 Sensor 2). This condition may be caused by a leak from the exhaust manifold to front pipe donut gasket. Follow the Repair Procedure in this bulletin to address this condition.

Production Change Information

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

MODEL	PLANT	DRIVETRAIN	PRODUCTION CHANGE EFFECTIVE VIN
NX300h	Tahara	AWD	JTJGJRDZ#L5006704

Warranty Information

OP CODE	DESCRIPTION	TIME	OFP	T1	T2
170101	R & R Exhaust Manifold Donut Gasket	0.7	17451-28040	8A	57

APPLICABLE WARRANTY

- This repair is covered under the Lexus Comprehensive 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.

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Parts Information

PART NUMBER		PART NAME	QTY
PREVIOUS	NEW		
17451-28070	17451-0D150	Gasket, Exhaust Pipe (Donut Gasket)	1
—	90917-06072	Gasket, Exhaust Pipe	1

Required Tools & Equipment

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

*Essential SST.

NOTE

- Only ONE of the Techstream units listed above is required.
- Software version 14.30.022 or later is required.
- Additional Techstream units may be ordered by calling Approved Dealer Equipment (ADE) at 1-800-368-6787.

Repair Procedure

1. Does the vehicle exhibit a MIL ON condition with Diagnostic Trouble Code (DTC) P013A (Oxygen Sensor Slow Response – Rich to Lean Bank 1 Sensor 2)?
 - **YES** — Continue to step 2.
 - **NO** — This bulletin does NOT apply. Continue diagnosis using the applicable Repair Manual.
2. Check for a leak from the exhaust manifold to front pipe donut gasket.

HINT

Blow compressed air around the donut gasket and look for a change in B1S2 O2 sensor readings in Techstream while the vehicle is in "Maintenance Mode."

Do the B1S2 O2 sensor readings change while blowing compressed air around the donut gasket?

- **YES** — Continue to step 3.
- **NO** — This bulletin does NOT apply. Continue diagnosis using the applicable Repair Manual.

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Repair Procedure (continued)

3. Replace the affected donut gasket between the exhaust manifold and the front pipe.
 - A. Remove the front pipe and gaskets.

Refer to TIS, applicable model and model year Repair Manual:

 - 2020 NX300h:

Engine/Hybrid System – Intake/Exhaust
[“2AR-FXE Intake / Exhaust: Exhaust Pipe: Removal”](#)
 - B. Reuse the front pipe and install NEW front pipe gaskets.

Refer to TIS, applicable model and model year Repair Manual:

 - 2020 NX300h:

Engine/Hybrid System – Intake/Exhaust
[“2AR-FXE Intake / Exhaust: Exhaust Pipe: Installation”](#)
4. Clear ANY DTCs and test-drive the vehicle to confirm the condition is no longer present.