

MIL ON with DTC P019064

Service Category Engine/Hybrid System

Section Engine Control

Market USA

Toyota Supports
ASE Certification 

Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION
2022 - 2025	NX450H+	
2024 - 2025	RX450H+	

Introduction

Some 2022 – 2025 model year NX 450h+ and 2024 – 2025 RX 450h+ vehicles may exhibit a MIL ON condition with Diagnostic Trouble Code (DTC) P019064 (Fuel Rail Pressure Sensor “A” Signal Plausibility Failure) present. The Engine Control Module (ECM) (SAE term: Powertrain Control Module/PCM) logic has been modified to address this condition. 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 VINs shown below.

MODEL YEAR	MODEL	ENGINE	PRODUCTION CHANGE EFFECTIVE VIN
2022 – 2025	NX 450h+	A25A-FXS	JTJHKCFZ#S2066277 JTJKKCFZ#S2066277
2024 – 2025	RX 450h+		JTJCJMGA#S2031966

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Warranty Information

OP CODE	DESCRIPTION	TIME	OFP	T1	T2
EL2520	Engine ECU Reprogramming	0.7	89661-4A###* 89661-#####*	8A	74

*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 Federal Emission Warranty. This warranty is in effect for 96 months or 80,000 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 2022 – 2025 model year NX 450h+ and 2024 – 2025 model year RX 450h+ vehicles equipped with a California Certified Emission Control System that are registered and operated in California or any state that adopts California emission warranty - Partial Zero Emission Vehicle (PZEV) Emission Warranty Coverage is in effect for 15 years or 150,000 miles, from the vehicle's in-service date, whichever occurs first. (Please reference Warranty Policy Bulletin POL21-03, Warranty Policy 4.7, and/or the Owner's Warranty & Maintenance Guide for additional information)

Parts Information

PART NUMBER		PART NAME	QTY
PREVIOUS	NEW		
89661-78L90	89661-78L91	Computer, Engine Control	1
89661-78C62	89661-78C63		
89661-78N80	89661-78N81		
89661-4D270			
89661-4D840			
89661-4D830			
89661-4D510			

NOTE

The ECM (PCM) should NOT be replaced as part of the Repair Procedure.

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Required Tools & Equipment

SPECIAL SERVICE TOOLS (SST)	PART NUMBER	QTY
DCA-8000 Battery Diagnostic Tool*	DCA-8000P-T	1

*Essential SST.

NOTE

Additional SSTs may be ordered by calling 1-800-933-8335 or by visiting *Home – Service Resources – Lexus Special Service Tools (SSTs)*.

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 2025.03.004.02 or later is required.
- Additional Techstream units may be ordered by calling Approved Dealer Equipment (ADE) at 1-800-368-6787 or by visiting *TIS – Diagnostics – Tools & Equipment – Techstream Order Portal*.
- Use Techstream or an approved J2534 interface to perform flash reprogramming updates. Visit techinfo.toyota.com for more information regarding J2534 reprogramming.

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Calibration Information

MODEL YEAR	MODEL	ENGINE	CALIBRATION ID	
			PREVIOUS	NEW
2022 – 2025	NX 450h+	A25A-FXS	8966378M3000	8966378M3100
			8966378C7200	8966378C7300
			8966378C7100	
			8966378C7000	
2024 – 2025	RX 450h+		8966378Q6000	8966378Q6100
			8A2224834100	8A2224834200
			8A2224850000	8A2224850100
			8A2224846000	8A2224846100
		8A2224884000	8A2224884100	

Repair Procedure

- Confirm the condition exists.
Does the vehicle exhibit a MIL ON condition with DTC P019064 (Fuel Rail Pressure Sensor “A” Signal Plausibility Failure) present?
 - YES** — Continue to step 2.
 - NO** — This bulletin does NOT apply. Continue diagnosis using the applicable Repair Manual.
- Use GTS+ to confirm if the ECM (PCM) calibration has been updated.
Is the calibration ID listed in GTS+ the latest ECM (PCM) calibration?
 - YES** — This bulletin does NOT apply. Continue diagnosis using the applicable Repair Manual.
 - NO** — Continue to step 3.

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Repair Procedure (continued)

3. Flash reprogram the ECM (PCM).

NOTE

- The battery diagnostic tool MUST be used in ECU Reflash Mode to maintain battery voltage at 13.5V while flash reprogramming the vehicle.
- For details on how to use the battery diagnostic station, refer to the [DCA-8000 Instruction Manual](#) located at *TIS – Diagnostics – Tools & Equipment – Battery Diagnostics*.

Follow the procedures outlined in [L-SB-0036-22](#), GTS+ ECU Flash Reprogramming With Security Signature, and flash reprogram the ECM (PCM) with the NEW calibration file update.

4. Using GTS+, clear ANY DTC(s) and test-drive the vehicle to confirm the condition is no longer present.