

MIL ON With DTC(s) P01201C, P210015, P210019, and/or P211172 in Freezing Temperatures

Service Category Engine/Hybrid System

Section Intake/Exhaust

Market USA

Toyota Supports
ASE Certification 

Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION
2021 - 2022	ES250	

Introduction

Some 2021 – 2022 model year ES 250 vehicles equipped with an A25A-FKS engine may exhibit reduced engine power and/or a MIL ON condition with one or more of the following throttle body Diagnostic Trouble Codes (DTCs) present in freezing temperatures:

- P01201C: Throttle / Pedal Position Sensor / Switch “A” Circuit Voltage Out of Range.
- P210015: Throttle Actuator “A” Control Motor Circuit Short to Battery or Open.
- P210019: Throttle Actuator “A” Control Motor Circuit Current Above Threshold.
- P211172: Throttle Actuator “A” Control System Actuator Stuck Open.

The Engine Control Module (ECM) (SAE term: Powertrain Control Module/PCM) logic and the fuel pump assembly have been modified to address these conditions. Follow the Repair Procedure in this bulletin to address these conditions.

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Warranty Information

OP CODE	DESCRIPTION	TIME	OFP	T1	T2
EG2307	Replace ECM and Fuel Pump Assembly	1.2	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.

Parts Information

MODEL	PART NUMBER		PART NAME	QTY
	PREVIOUS	NEW		
ES 250	89661-0X850	89661-0X851	Computer, Engine Control (ECM/PCM)	1
	89661-0X820-A	89661-0X821		
	77020-06660	77020-06661	Tube Assy, Fuel Suction W/Pump & Gage	1
	72693-06030		Rear Seat Cushion Lock Hook	2
	77169-06060		Fuel Suction Tube Set Gasket	1

NOTE

This ECUs software is calibrated to a specific fuel pump output, which is why BOTH the ECU and fuel pump MUST be replaced as part of this repair.

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Repair Procedure

1. Confirm the condition exists.

Does the vehicle exhibit reduced engine power and/or a MIL ON condition with one or more of the following throttle body DTCs present in freezing temperatures?

- P01201C: Throttle / Pedal Position Sensor / Switch “A” Circuit Voltage Out of Range.
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- P211172: Throttle Actuator “A” Control System Actuator Stuck Open.
- **YES** — Continue to step 2.
- **NO** — This bulletin does NOT apply. Continue diagnosis using the applicable Repair Manual.

2. Remove and replace the fuel pump assembly.

A. Remove the fuel pump assembly.

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

- [2021](#) ES 250:
*Engine / Hybrid System – A25A-FKS (Fuel) –
Fuel Sender Gauge Assembly – Removal*
- [2022](#) ES 250:
*Engine / Hybrid System – A25A-FKS (Fuel) –
Fuel Sender Gauge Assembly – Removal*

B. Replace the fuel pump assembly.

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

- [2021 – 2022](#) ES 250:
*Engine / Hybrid System – A25A-FKS (Fuel) –
Fuel Sender Gauge Assembly – Installation*

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Repair Procedure (continued)

3. Remove and replace the ECM (PCM).
 - A. Remove the engine control computer (ECM/PCM).

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

 - [2021](#) ES 250:
Engine / Hybrid System – A25A-FKS (Engine Control) – ECM – Removal
 - [2022](#) ES 250:
Engine / Hybrid System – A25A-FKS (Engine Control) – ECM – Removal
 - B. Replace the ECM (PCM).

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

 - [2021 – 2022](#) ES 250:
Engine / Hybrid System – A25A-FKS (Engine Control) – ECM – Installation
4. Clear ANY DTCs and test-drive the vehicle to confirm the condition is no longer present.