

MIL ON with DTC(s) P11EA00 and/or P013A7C

Service Category Engine/Hybrid System

Market USA and
Mexico

Section Intake/Exhaust

Toyota Supports
ASE Certification 

Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION
2023 - 2024	Corolla, Corolla Cross	VDS(s): AAAAG, AAABG, B4MBE, B4MCE, B4MDE, B4RBE, B4RDE, BAAAG, BAABG, CAAAG, CAABG, DAAAG, DAABG, EAAAG, EAABG, P4MCE, S4MCE, T4MCE Engine(s): M20 Drive Type(s): AWD, 2WD

Introduction

Some 2023 – 2024 model year Corolla and Corolla Cross vehicles with M20A-FKS engines may exhibit a MIL ON condition with one or both of the following Diagnostic Trouble Codes (DTCs) present:

- P11EA00 – (Bank 1 Air-Fuel Ratio Imbalance (Port))
- P013A7C – (A/F Sensor – Rich to Lean Bank 1 Sensor 2 Slow Response)

There are no drivability issues or other symptoms associated with this condition. Follow the Repair Procedure in this bulletin to address this condition.

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Production Change Information

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

MODEL	PLANT	ENGINE	DESCRIPTION	PRODUCTION CHANGE EFFECTIVE VIN
Corolla	TMMMS	M20A-FKS	2WD	5YFB4MCE#RP187649
				5YFS4MCE#RP187649
				5YFP4MCE#RP187649
				5YFB4RBE#RP187649
				5YFB4MBE#RP187649
				5YFT4MCE#RP187649
				5YFB4MDE#RP135743
				5YFB4RDE#RP135743
Corolla Cross	MTMUS		7MUEAAAG#RV082156	
				7MUDAAAG#RV082156
				7MUCAAAG#RV082156
				7MUBAAAG#RV082156
				7MUAAAAG#RV082156
			AWD	7MUDAABG#RV087890
				7MUEAABG#RV087890
				7MUBAABG#RV087890
				7MUCAABG#RV087890
				7MUAAAABG#RV087890

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Warranty Information

For USA Market

OP CODE	DESCRIPTION	TIME	OFP	T1	T2
EG2410	R & R Intake Manifold	1.3	17120-#####*	8A	88

*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 Toyota Powertrain Warranty. This warranty is in effect for 60 months or 60,000miles, 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 2023 – 2024 model year Corolla and Corolla Cross 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).

For Mexico Market

OP CODE	DESCRIPTION	TIME	OFP	T1	T2
EG2410	R & R Intake Manifold	1.3	17120-#####*	8A	88

*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 Toyota Basic Warranty. This warranty is in effect for 36 months or 60,000 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
17120-F2010	Manifold Assy, Intake	1
17171-24020	Gasket, Intake Manifold to Head, No.1*	—

*This part is for reference only. The intake manifold assembly includes a NEW gasket.

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Required Tools & Equipment

REQUIRED TOOLS & MATERIAL	QTY
Borescope (Optional)	1

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.
- GTS+ software version 2024.03.004.02 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

- Confirm the condition exists.

Does the vehicle exhibit a MIL ON condition with one or both of the following DTCs present?

- P11EA00 – (Bank 1 Air-Fuel Ratio Imbalance (Port))
- P013A7C – (A/F Sensor – Rich to Lean Bank 1 Sensor 2 Slow Response)
- YES** — Continue to step 2.
- NO** — This bulletin does NOT apply. Continue diagnosis using the applicable Repair Manual.

- Remove the intake manifold assembly.

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

- [2023 – 2024](#) Corolla:
Engine / Hybrid System – M20A-FKS (Intake / Exhaust) – Intake Manifold – Removal
- [2023](#) / [2024](#) Corolla Cross:
Engine / Hybrid System – M20A-FKS (Intake / Exhaust) – Intake Manifold – Removal

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Repair Procedure (continued)

3. Inspect the Exhaust Gas Recirculation (EGR) ports inside of each intake runner.

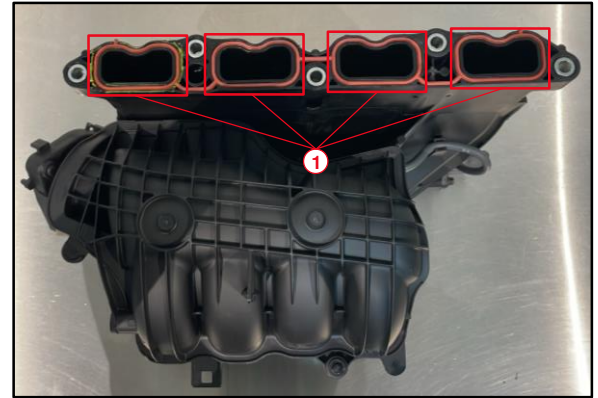
Are any of the EGR ports obstructed with plastic flashing material as shown in Figure 3?

HINT

Due to the EGR ports being recessed inside of each intake runner, the use of a borescope may be helpful during this step.

- **YES** — Continue to step 4.
- **NO** — This bulletin does NOT apply. Continue diagnosis using the applicable Repair Manual.

Figure 1.



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Intake Runners

Figure 2. Clear EGR Port

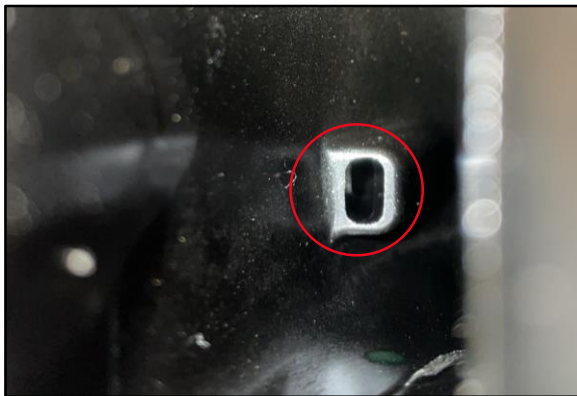
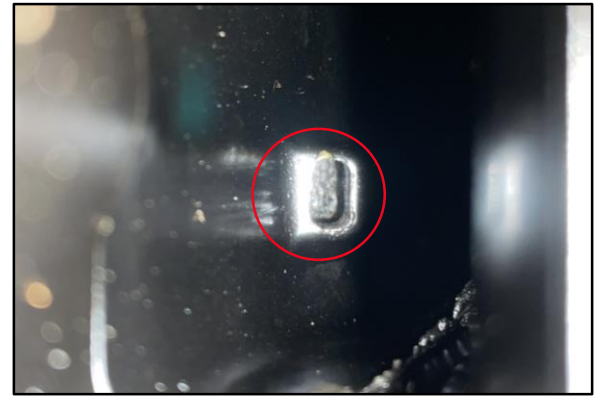


Figure 3. Obstructed EGR Port



4. Install the NEW intake manifold assembly.

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

- [2023 – 2024](#) Corolla:
Engine / Hybrid System – M20A-FKS (Intake / Exhaust) – Intake Manifold – Installation
- [2023 – 2024](#) Corolla Cross:
Engine / Hybrid System – M20A-FKS (Intake / Exhaust) – Intake Manifold – Installation

5. Using GTS+, clear ANY DTCs and confirm the condition is no longer present.