

Oil Leak Between Oil Pan Sub-assembly and Stiffening Crankcase Assembly

Service Category Engine/Hybrid System

Market USA and Mexico

Section Lubrication

Toyota Supports ASE Certification 

Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION
2023 - 2024	Camry, Camry HV, RAV4, RAV4 HV	
2024	Grand Highlander HV	

Introduction

Some 2023 – 2024 model year Camry, Camry Hybrid, RAV4, and RAV4 Hybrid vehicles and 2024 model year Grand Highlander Hybrid vehicles equipped with an A25A-FKS or an A25A-FXS engine may exhibit an oil leak that originates between the oil pan sub-assembly and the stiffening crankcase assembly. 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	PLANT	ENGINE	FRAME TYPE	PRODUCTION CHANGE EFFECTIVE VIN
Camry	TMMK 1	A25A-FKS	AXVA70	4T1C11AK#RU263183
				4T1F11AK#RU263183
				4T1G11AK#RU263183
				4T1H11AK#RU263183
				4T1K61AK#RU263183
				4T1R11AK#RU263183
				4T1S11AK#RU263183
				4T1T11AK#RU263183

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Production Change Information (continued)

MODEL	PLANT	ENGINE	FRAME TYPE	PRODUCTION CHANGE EFFECTIVE VIN
Camry	TMMK 1	A25A-FKS	AXVA75	4T1C11BK#RU126595
				4T1F11BK#RU126595
				4T1G11BK#RU126595
				4T1H11BK#RU126595
				4T1K61BK#RU126595
				4T1R11BK#RU126595
				4T1S11BK#RU126595
				4T1T11BK#RU126595
	TMMK 2		AXVA70	4T1C11AK#RU921801
				4T1F11AK#RU921801
				4T1G11AK#RU921801
				4T1H11AK#RU921801
				4T1K61AK#RU921801
				4T1R11AK#RU921801
				4T1S11AK#RU921801
				4T1T11AK#RU921801
Camry HV	TMMK 1	A25A-FXS	AXVH70	4T1C31AK#RU632576
				4T1F31AK#RU632576
				4T1G31AK#RU632576
				4T1H31AK#RU632576
				4T1K31AK#RU632576
				4T1R31AK#RU632576
				4T1S31AK#RU632576
				4T1T31AK#RU632576
	TMMK 2		AXVH70	4T1C31AK#RU632588
				4T1F31AK#RU632588
				4T1G31AK#RU632588
				4T1H31AK#RU632588
				4T1K31AK#RU632588
				4T1R31AK#RU632588
				4T1S31AK#RU632588
				4T1T31AK#RU632588

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Production Change Information (continued)

MODEL	PLANT	ENGINE	FRAME TYPE	PRODUCTION CHANGE EFFECTIVE VIN		
Grand Highlander HV	TMMI	A25A-FXS	AASH10	5TDABAA5#RS015146		
			AASH15	5TDACAB5#RS022016		
RAV4	TMMC 2	A25A-FKS	AXAA52	2T3C1RFV#RC285291		
				2T3H1RFV#RC285291		
				2T3K1RFV#RC285291		
				2T3W1RFV#RC285291		
				2T3Y1RFV#RC285291		
			TMMC 3	AXAA54	2T3A1RFV#RC459018	
					2T3F1RFV#RC459018	
					2T3G1RFV#RC459018	
					2T3N1RFV#RC459018	
					2T3P1RFV#RC459018	
	AXAA54			2T3A1RFV#RW451089		
				2T3F1RFV#RW451089		
				2T3G1RFV#RW451089		
				2T3J1RFV#RW451089		
				2T3J1RFV#RW451089		
	RAV4 HV		TMMK 2	A25A-FXS	AXAH54	4T3DWRV#RU143253
						4T3LWRV#RU143253
						4T3MWRV#RU143253
						4T3RWRV#RU143253
					AXAL54	4T3B6RFV#RU158272
4T3D6RFV#RU158272						
4T3E6RFV#RU158272						
4T3T6RFV#RU158272						

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Warranty Information

For USA Market

OP CODE	DESCRIPTION	MODEL	TIME	OFF	T1	T2
EG2411	Reseal Oil Pan Sub-assembly	Camry Grand Highlander HV RAV4 RAV4 HV	2.1	12102-#####*	65	55
		Camry HV	2.2			

*Warranty claim MUST be submitted with the correct 10-digit OFF. Choose the correct OFF 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 60,000 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.
- When filing claims for this repair, please follow Toyota Warranty Policy 4.21 (Leak Repairs).

For Mexico Market

OP CODE	DESCRIPTION	MODEL	TIME	OFF	T1	T2
EG2411	Reseal Oil Pan Sub-assembly	Camry Grand Highlander HV RAV4 RAV4 HV	2.1	12102-#####*	65	55
		Camry HV	2.2			

*Warranty claim MUST be submitted with the correct 10-digit OFF. Choose the correct OFF 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.
- When filing claims for this repair, please follow Toyota Warranty Policy 4.21 (Leak Repairs).

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Parts Information

PART NUMBER	PART NAME	QTY
12102-F0010	Pan Sub-assy, Oil*	–
00295-00103	FIPG Oil Pan Sealer	1

*The oil pan sub-assembly should NOT be replaced as part of this repair. Part information is for reference only.

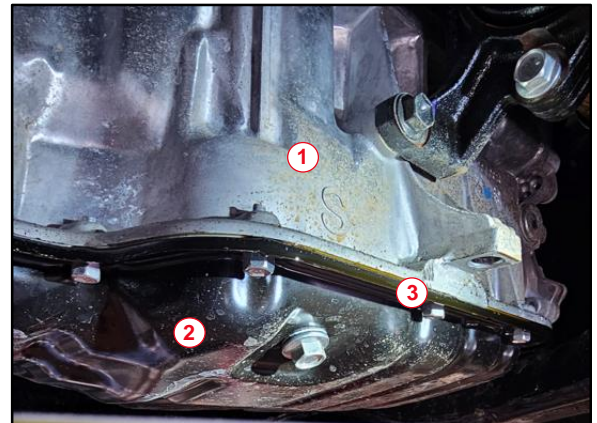
Repair Procedure

1. Confirm the condition exists by inspecting the area shown in Figure 1.

Does an oil leak originate between the oil pan sub-assembly and the stiffening crankcase assembly?

- **YES** — Continue to step 2.
- **NO** — This bulletin does NOT apply. Continue diagnosis using the applicable Repair Manual.

Figure 1. Oil Leak Inspection Area



1	Stiffening Crankcase Assembly
2	Oil Pan Sub-assembly
3	Location of the Oil Leak

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Repair Procedure (continued)

2. Remove the oil pan sub-assembly.

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

- [2023 – 2024](#) Camry:
Engine / Hybrid System – A25A-FKS (Lubrication) – Oil Pan and Oil Level Sensor – Removal

NOTE

Perform ONLY steps 1 – 6.

- [2023 – 2024](#) Camry HV:
Engine / Hybrid System – A25A-FXS (Lubrication) – Oil Pan and Oil Level Sensor – Removal

NOTE

Perform ONLY steps 1 – 6.

- [2024](#) Grand Highlander HV:
Engine / Hybrid System – A25A-FXS (Engine Mechanical) – Engine Unit – Disassembly

NOTE

Perform ONLY steps 61 – 64.

- [2023 – 2024](#) RAV4:
Engine / Hybrid System – A25A-FKS (Lubrication) – Oil Level Sensor – Removal

NOTE

Perform ONLY steps 1 – 6.

- [2023 – 2024](#) RAV4 HV:
Engine / Hybrid System – A25A-FXS (Lubrication) – Oil Level Sensor – Removal

NOTE

Perform ONLY steps 1 – 6.

3. Remove the oil pan sealer (FIPG) and oil from the removed oil pan sub-assembly and the crank case stiffening assembly.

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Repair Procedure (continued)

4. Apply the oil pan sealer (FIPG) and reinstall the oil pan sub-assembly.
Refer to TIS, applicable model and model year Repair Manual.

- [2023 – 2024](#) Camry:

*Engine / Hybrid System – A25A-FKS (Lubrication) –
Oil Pan and Oil Level Sensor – Installation*

NOTE

Perform ONLY steps 2 – 9.

- [2023 – 2024](#) Camry HV:

*Engine / Hybrid System – A25A-FXS (Lubrication) –
Oil Pan and Oil Level Sensor – Installation*

NOTE

Perform ONLY steps 2 – 9.

- [2024](#) Grand Highlander HV:

Engine / Hybrid System – A25A-FXS (Engine Mechanical) – Engine Unit – Reassembly

NOTE

Perform ONLY steps 11 – 14.

- [2023 – 2024](#) RAV4:

Engine / Hybrid System – A25A-FKS (Lubrication) – Oil Level Sensor – Installation

NOTE

Perform ONLY steps 2 – 9.

- [2023 – 2024](#) RAV4 HV:

Engine / Hybrid System – A25A-FXS (Lubrication) – Oil Level Sensor – Installation

NOTE

Perform ONLY steps 2 – 9.

5. Confirm that the oil leak is no longer present.