

MIL ON With DTC P279762

Service Category Drivetrain

Section Hybrid Transmission/Transaxle

Market USA

Toyota Supports
ASE Certification 

Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION
2023 - 2024	Crown	
2024	Grand Highlander HV	

Introduction

Some 2023 – 2024 model year Crown and 2024 model year Grand Highlander Hybrid vehicles equipped with the PC60 hybrid transmission may exhibit a MIL ON condition with Diagnostic Trouble Code (DTC) P279762 (Electromagnetic Oil Pump Component Internal Failure) present. The Transmission Control Module (TCM) logic has been modified to reduce the possibility of this condition. Follow the Repair Procedure in this bulletin to address this condition.

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Warranty Information

OP CODE	DESCRIPTION	TIME	MODEL	OPF	T1	T2
TC2403	Transmission Control Module Reprogramming	0.5	Crown	89530-30###*	8A	74
TC2404			Grand Highlander HV	89530-48540		

*Warranty claim MUST be submitted with the correct 10-digit OPF. Choose the correct OPF 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 36,000 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 2023 – 2024 model year Crown and 2024 model year Grand Highlander HV 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).

Parts Information

MODEL	PART NUMBER	PART NAME	QTY
Crown	89530-30###	Transmission Control Computer Assy.	-
Grand Highlander HV	89530-48540		

NOTE

The transmission control computer assembly should NOT be replaced as part of the Repair Procedure.

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Required Tools & Equipment

SPECIAL SERVICE TOOLS (SST)	PART NUMBER	QTY
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 – Toyota Special Service Tools (SSTs)*.

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 2024.02.004.02 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.

Calibration Information

MODEL	ENGINE	VDS	CALIBRATION ID	
			PREVIOUS	NEW
Crown	T24A-FTS	TZSH35L	898844856000	898844856100
Grand Highlander HV		TASH15L		

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Repair Procedure

1. Confirm the condition exists.
Does the vehicle exhibit a MIL ON condition with DTC P279762 (Electromagnetic Oil Pump Component Internal Failure) present?
 - **YES** — Continue to step 2.
 - **NO** — This bulletin does NOT apply. Continue diagnosis using the applicable Repair Manual.

2. Use GTS+ to confirm if the TCM calibration has been updated.
Is the calibration ID listed in GTS+ the latest TCM calibration?
 - **YES** — This bulletin does NOT apply. Continue diagnosis using the applicable Repair Manual.
 - **NO** — Continue to step 3.

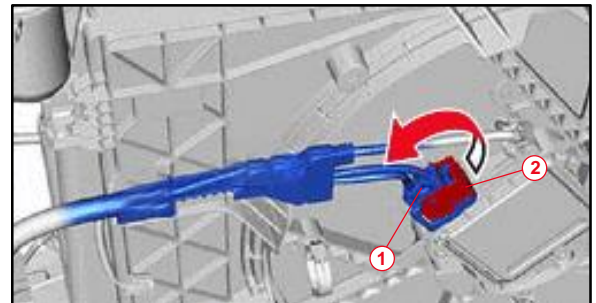
3. Disconnect the cooling fans.
 - A. Disconnect the cooling fan motor connector.

 - B. Rotate the lever while pushing the lock and disconnect the cooling fan motor connector.

NOTICE

After disconnecting the cooling fan motor connector, make sure that dirt, water, or other foreign matter does NOT contact the connecting parts of the cooling fan motor connector.

Figure 1.



1	Cooling Fan Motor Connector
2	Lock

4. Flash reprogram the TCM.

NOTE

- The battery diagnostic tool MUST be used in Power Supply 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 [T-SB-0107-20](#), *GTS+ ECU Flash Reprogramming With Security Signature*, and flash reprogram the TCM with the NEW calibration file update.

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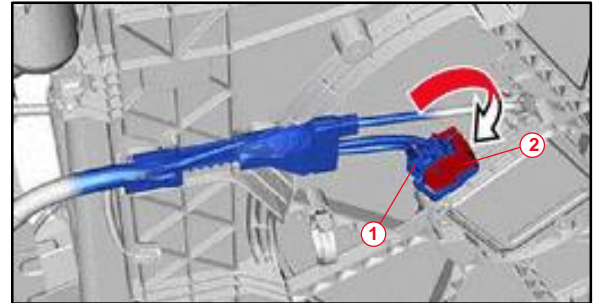
Repair Procedure (continued)

5. Reconnect the cooling fans.
 - A. Connect the cooling fan motor connector.
 - B. Rotate the lever to lock it.

NOTICE

- When connecting the cooling fan motor connector, make sure that the connecting parts of the cooling fan motor connector are free of dirt, water, or other foreign matter.
- Be sure to securely connect the cooling fan motor connector.

Figure 2.



1	Cooling Fan Motor Connector
2	Lock

6. Using GTS+, clear ANY DTCs and test-drive the vehicle to confirm normal operation and that the condition is no longer present.