

Lack of Power During Acceleration and/or MIL ON With DTC(s) P017400, P117B00, and/or P043000

Service
Category Vehicle Interior

Section Meter/Gauge/Display

Market USA



Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION
2023 - 2024	Sequoia HV	
2022 - 2024	Tundra, Tundra HV	

REVISION NOTICE

May 23, 2024 Rev2:

- Applicability has been updated to include 2024 model year Sequoia Hybrid, Tundra, and Tundra Hybrid vehicles.
- The Production Change Information, Introduction, Warranty Information, Required Tools & Equipment, and the Repair Procedure sections have been updated.

August 11, 2023 Rev1:

- The Warranty Information, Parts Information, Required Tools & Equipment, and Repair Procedure sections have been updated.

Any previous printed versions of this bulletin should be discarded.

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Introduction

Some 2023 – 2024 model year Sequoia Hybrid and 2022 – 2024 model year Tundra and Tundra Hybrid vehicles may exhibit lack of power during acceleration and/or a MIL ON condition with one or more of the following Diagnostic Trouble Codes (DTCs):

- P017400 – System Too Lean Bank 2
- P117B00 – Fuel Performance/Direct Injector
- P043000 – Catalyst System Efficiency Below Threshold Bank 2

Follow the Repair Procedure in this bulletin to address these conditions.

Production Change Information

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

MODEL YEAR	MODEL	PRODUCTION CHANGE EFFECTIVE ENGINE NUMBER
2023 – 2024	Sequoia HV	7SVAAAAA#RX003220 7SVAAABA#RX032270
2022 – 2024	Tundra	5TF#A5AA#RX033703 5TF#B5AA#RX033703 5TF#A5AB#RX033703 5TF#B5AB#RX033703 5TF#A5BC#RX003169 5TF##5CD#RX001856 5TF#A5DA#RX172332 5TF#B5DA#RX172332 5TF#A5DB#RX172332 5TF#B5DB#RX172332 5TF#A5EC#RX026433 5TF##5GD#RX003139
	Tundra HV	5TF#C5AB#RX003648 5TF#C5BC#RX001198 5TF#C5DB#RX065145 5TF#C5EC#RX006436

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Warranty Information

OP CODE	DESCRIPTION	TIME	OFP	T1	T2
EG2303	R & R the LH No. 2 Fuel Delivery Pipe and the No. 3 Fuel Sub-assy Pipe	3.9	23808-F4010	8A	50
Combo A	R & R the LH Catalyst Converter Assembly	0.7			

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.
- 2023 – 2024 model year Sequoia Hybrid vehicles and 2022 – 2024 model year Tundra and Tundra Hybrid vehicles equipped with a California Certified Emission Control System that are registered and operated in California or any state that have adopted the 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 Warranty Policy 4.7, and/or the Owner's Warranty & Maintenance Guide for additional information.)

Parts Information

PART NUMBER	PART NAME	QTY
23808-F4010	Pipe Sub-assy, Fuel Delivery, LH, No. 2	1
23803-70060	Pipe Sub-assy, Fuel, No. 3	1
17500-F4020	Converter Assy, W/Catalyst, LH	1*
17451-0D140	Gasket, Exhaust Pipe	1*
17452-70010	Clamp, Exhaust Pipe, LH	1*
17279-0W040	Gasket, Turbine Outlet Elbow, LH	1*
23255-25010	Fuel Injector Seal	3
23256-25010	No. 1 Fuel Injector Back-up Ring	3
23257-70010	No. 2 Fuel Injector Back-up Ring	3
23258-70010	No. 3 Fuel Injector Back-up Ring	3
23291-31020	Injector Vibration Insulator	3
90301-05013	Fuel Injector O-Ring	3
90520-A0062	Ring, Snap	3

*ONLY replace the left-hand catalyst convert assembly, exhaust pipe gasket, left-hand exhaust pipe clamp, and the left-hand turbine outlet elbow gasket IF DTC P043000 is present.

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Required Tools & Equipment

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 2024.01.002.02 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*.

Repair Procedure

- Confirm the condition exists.
Does the vehicle exhibit a lack of power during acceleration and/or a MIL ON condition with one or more of the following DTCs present?
 - P017400 – System Too Lean Bank 2
 - P117B00 – Fuel Performance/Direct Injector
 - P043000 – Catalyst System Efficiency Below Threshold Bank 2
 - YES** — Continue to step 2.
 - NO** — This bulletin does NOT apply. Continue diagnosis using the applicable Repair Manual.
- Monitor the freeze frame data while the vehicle is at 3000 rpm under direct injection mode. Do the low/high fuel pressure and mass air flow sensors read close to target and normally?
 - YES** — This condition may indicate a fuel restriction in the bank 2 fuel rail. Continue to step 3.
 - NO** — This bulletin does NOT apply. Continue diagnosis using the applicable Repair Manual.

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Repair Procedure (continued)

3. Remove the No. 2 left-hand fuel delivery pipe and the No. 3 fuel pipe.
Refer to TIS, applicable model and model year Repair Manual:

NOTE

Perform ALL steps EXCEPT 5, 7, and 10 of the applicable Repair Manual.

- [2023 – 2024](#) Sequoia Hybrid:
Engine / Hybrid System – V35A-FTS (Fuel) – Fuel Injector (for Direct Injection) – Removal
- [2022 – 2024](#) Tundra and Tundra Hybrid:
Engine / Hybrid System – V35A-FTS (Fuel) – Fuel Injector (for Direct Injection) – Removal

4. Install the NEW No. 2 left-hand fuel delivery pipe and the NEW No. 3 fuel pipe.
Refer to TIS, applicable model and model year Repair Manual:

NOTE

Perform ALL steps EXCEPT 10, 13, and 15 of the applicable Repair Manual.

- [2023 – 2024](#) Sequoia Hybrid:
Engine / Hybrid System – V35A-FTS (Fuel) – Fuel Injector (for Direct Injection) – Installation
- [2022 – 2024](#) Tundra and Tundra Hybrid:
Engine / Hybrid System – V35A-FTS (Fuel) – Fuel Injector (for Direct Injection) – Installation

5. Was DTC P043000 present in step 1?
- **YES** — Continue to step 6.
 - **NO** — Go to step 8.

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Repair Procedure (continued)

6. Remove the left-hand catalyst converter assembly.
Refer to TIS, applicable model and model year Repair Manual:
 - [2023 – 2024](#) Sequoia Hybrid:
Engine / Hybrid System – V35A-FTS (Emission Control) – Monolithic Converter – Removal
 - [2022 – 2024](#) Tundra and Tundra Hybrid:
Engine / Hybrid System – V35A-FTS (Emission Control) – Monolithic Converter – Removal

7. Install the NEW left-hand catalytic converter assembly, exhaust pipe gasket, left-hand exhaust pipe clamp, and the left-hand turbine outlet elbow gasket.
Refer to TIS, applicable model and model year Repair Manual:
 - [2023 – 2024](#) Sequoia Hybrid:
Engine / Hybrid System – V35A-FTS (Emission Control) – Monolithic Converter – Installation
 - [2022 – 2024](#) Tundra and Tundra Hybrid:
Engine / Hybrid System – V35A-FTS (Emission Control) – Monolithic Converter – Installation

8. Using GTS+, clear ANY DTCs and test-drive the vehicle to confirm the condition(s) no longer exist.