

Difficulty Starting Engine in Below Freezing Temperatures

Service Category Engine/Hybrid System

Section Starting

Market USA

Toyota Supports
ASE Certification 

Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION
2022 - 2024	Tundra	

Introduction

Some 2022 – 2024 model year Tundra vehicles may exhibit a condition where the vehicle has difficulty starting in temperatures below -4°F (-20°C). An updated starter solenoid switch is available to address this condition. Follow the Repair Procedure in this bulletin to address this condition.

Warranty Information

OP CODE	DESCRIPTION	TIME	OFP	T1	T2
EG2405	Remove the Starter Assembly and Inspect for Yellow Mark	0.7	28150-47250	17	83
Combo A	R & R Starter Solenoid Switch	0.3			

APPLICABLE WARRANTY

- This repair is covered under the Toyota Standard 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.

Parts Information

PART NUMBER		PART NAME	QTY
PREVIOUS	NEW		
28150-47250	28150-F4020	Switch Assembly, Main	1

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Repair Procedure

1. Confirm the condition exists.

Does the vehicle exhibit a condition where it has difficulty starting in temperatures below -4°F (-20°C)?

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

2. Remove the starter assembly to access the main switch assembly.

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

- [2022 – 2024](#) Tundra:
Engine / Hybrid System – V35A-FTS (Starting) – Starter (for Gasoline Model) – Removal

3. Is there a yellow marker on the main switch assembly?

- **YES** — Continue to step 4.
- **NO** — Go to step 5.

4. Reinstall the starter assembly.

- [2022 – 2024](#) Tundra:
Engine / Hybrid System – V35A-FTS (Starting) – Starter (for Gasoline Model) – Installation

This bulletin does NOT apply. Continue diagnosis using the applicable Repair Manual.

Figure 1. Main Switch Assembly



1

Yellow Marker (Indicates Latest Part)

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Repair Procedure (continued)

5. Remove the harness and the magnet starter switch assembly.

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

- [2022 – 2024](#) Tundra:
Engine / Hybrid System – V35A-FTS (Starting) – Starter (for Gasoline Model) – Disassembly

NOTE

Perform ONLY steps 1 and 2.

6. Install the NEW magnet starter switch assembly.

- [2022 – 2024](#) Tundra:
Engine / Hybrid System – V35A-FTS (Starting) – Starter (for Gasoline Model) – Reassembly

NOTE

Perform ONLY step 5.

7. Reinstall the starter assembly.

- [2022 – 2024](#) Tundra:
Engine / Hybrid System – V35A-FTS (Starting) – Starter (for Gasoline Model) – Installation

8. Confirm the condition is no longer present.