

Electronic Power Steering (EPS) Light ON With DTC C05D604 and/or C15D704

Service Category Vehicle Interior

Section Meter/Gauge/Display **Market** USA

Toyota Supports
 ASE Certification 

Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION
2022	Tundra, Tundra HV	

REVISION NOTICE

December 07, 2022 Rev1:

- Applicability has been updated to include 2022 model year Tundra Hybrid vehicles.
- The Production Change Information section and Parts Information sections have been included.
- The Introduction section has been updated.

Any previous printed versions of this bulletin should be discarded.

Introduction

Some 2022 model year Tundra, Tundra Hybrid, and Tundra Hybrid TRD Pro vehicles may exhibit a red or yellow Electronic Power Steering (EPS) light ON condition with Diagnostic Trouble Code (DTC) C05D604 and/or C15D704 present when starting the vehicle. The EPS logic in the EPS gear assembly ECU 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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Production Change Information

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

MODEL	PLANT	DRIVETRAIN	PRODUCTION CHANGE EFFECTIVE VIN
Tundra	TMMTX	2WD	5TFJA5AA#NX13055
			5TFLA5AA#NX13055
			5TFKB5AA#NX13055
			5TFJA5AB#NX13055
			5TFKB5AB#NX13055
			5TFLA5AB#NX13055
			5TFMA5AB#NX13055
			5TFNA5AB#NX13055
			5TFJA5BC#NX2028
			5TFLA5BC#NX2028
			5TFMA5BC#NX2028
			5TFNA5BC#NX2028
			5TFLA5CD#NX1311
			5TFKB5CD#NX1311
		4WD	5TFJA5DA#NX40890
			5TFLA5DA#NX40890
			5TFKB5DA#NX40890
			5TFJA5DB#NX40890
			5TFKB5DB#NX40890
			5TFLA5DB#NX40890
			5TFMA5DB#NX40890
			5TFNA5DB#NX40890
			5TFJA5EC#NX8380
			5TFLA5EC#NX8380
			5TFNA5EC#NX8380
			5TFMA5EC#NX8380
5TFKB5GD#NX1671			
5TFLA5GD#NX1671			

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Production Change Information (continued)

MODEL	PLANT	DRIVETRAIN	PRODUCTION CHANGE EFFECTIVE VIN
Tundra HV	TMMTX	2WD	5TFJC5AB#NX1128
			5TFNC5AB#NX1128
			5TFMC5AB#NX1128
			5TFJC5BC#NX1035
			5TFMC5BC#NX1035
			5TFNC5BC#NX1035
		4WD	5TFJC5DB#NX10937
			5TFPC5DB#NX10937
			5TFVC5DB#NX10937
			5TFNC5DB#NX10937
			5TFMC5DB#NX10937
			5TFJC5EC#NX1262
			5TFNC5EC#NX1262
			5TFMC5EC#NX1262

Warranty Information

OP CODE	DESCRIPTION	TIME	OFP	T1	T2
EL9071	Reprogram the EPS Gear Assembly	0.5	44250-#####*	8C	99

*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 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.

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Parts Information

PART NUMBER	PART NAME	QTY
44250-0C180 44250-0C190	Gear Assy, Power Steering	–

NOTE

The EPS ECU should NOT be replaced as part of the Repair Procedure.

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.

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 17.20.013 or later is required.
- Additional Techstream units may be ordered by calling Approved Dealer Equipment (ADE) at 1-800-368-6787.

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Calibration Information

MODEL	ENGINE	CALIBRATION ID	
		PREVIOUS	NEW
Tundra, Tundra HV	V35A-FTS	8965F3401100/ 8965F3402100	8965F3401200/ 8965F3402200
Tundra HV TRD Pro		8965F3403100/ 8965F3404100	8965F3403200/ 8965F3404200

Repair Procedure

- Confirm the condition exists.
Does the vehicle exhibit a red or yellow EPS light ON with DTC C05D604 and/or C15D704 present when starting the vehicle?
 - YES** — Continue to step 2.
 - NO** — This bulletin does NOT apply. Continue diagnosis using the applicable Repair Manual.
- Using Techstream, perform a Health Check to confirm if the EPS ECU calibration is up to date.
Is the calibration ID listed the latest EPS ECU calibration?
 - YES** — This bulletin does NOT apply. Continue diagnosis using the applicable Repair Manual.
 - NO** — Continue to step 3.
- Flash reprogram the EPS ECU.

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 tool, refer to the [DCA-8000 Instruction Manual](#) located at *TIS – Diagnostics – Tools & Equipment – Battery Diagnostics*.

Follow the procedures outlined in [T-SB-0134-16](#), *Techstream ECU Flash Reprogramming Procedure*, and flash the EPS ECU with the NEW calibration file update.

- AFTER the flash reprogramming is complete, clear ANY DTCs that may be present.
- Test-drive the vehicle to ensure the condition no longer exists.