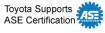


Service

Category Vehicle Interior

Section Meter/Gauge/Display Market USA



## **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.



## **Production Change Information**

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

MODEL	PLANT	DRIVETRAIN	PRODUCTION CHANGE EFFECTIVE VIN
			5TFJA5AA#NX13055
			5TFLA5AA#NX13055
			5TFKB5AA#NX13055
			5TFJA5AB#NX13055
			5TFKB5AB#NX13055
			5TFLA5AB#NX13055
		2WD	5TFMA5AB#NX13055
		2000	5TFNA5AB#NX13055
			5TFJA5BC#NX2028
			5TFLA5BC#NX2028
			5TFMA5BC#NX2028
			5TFNA5BC#NX2028
			5TFLA5CD#NX1311
Tundra	TMMTX		5TFKB5CD#NX1311
Tunura	TIVIIVITA		5TFJA5DA#NX40890
			5TFLA5DA#NX40890
			5TFKB5DA#NX40890
			5TFJA5DB#NX40890
			5TFKB5DB#NX40890
			5TFLA5DB#NX40890
		4WD	5TFMA5DB#NX40890
		4000	5TFNA5DB#NX40890
			5TFJA5EC#NX8380
		Γ	5TFLA5EC#NX8380
			5TFNA5EC#NX8380
		Γ	5TFMA5EC#NX8380
		Γ	5TFKB5GD#NX1671
			5TFLA5GD#NX1671



## **Production Change Information (continued)**

MODEL	PLANT	DRIVETRAIN	PRODUCTION CHANGE EFFECTIVE VIN
		2WD	5TFJC5AB#NX1128
			5TFNC5AB#NX1128
			5TFMC5AB#NX1128
			5TFJC5BC#NX1035
			5TFMC5BC#NX1035
			5TFNC5BC#NX1035
Tundra HV	TMMTX		5TFJC5DB#NX10937
Tundia HV	TIVIIVITA		5TFPC5DB#NX10937
			5TFVC5DB#NX10937
		414/15	5TFNC5DB#NX10937
		4WD	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

<sup>\*</sup>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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# Electronic Power Steering (EPS) Light ON With DTC C05D604 and/or C15D704

## **Parts Information**

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

August 15, 2022

### **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*	<u>DCA-8000P T</u>	1

<sup>\*</sup>Essential SST.

### NOTE

Additional SSTs may be ordered by calling 1-800-933-8335.

REQUIRED EQUIPMENT	SUPPLIER	PART NUMBER	QTY
Techstream ADVI*		TSADVUNIT	
Techstream 2.0	ADE	TS2UNIT	1
Techstream Lite	ADE	TSLITEPDLR01	] '
Techstream Lite (Green Cable)		TSLP2DLR01	

<sup>\*</sup>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.



#### **Calibration Information**

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

## **Repair Procedure**

1. 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.
- 2. 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 <u>DCA-8000 Instruction Manual</u> located at TIS Diagnostics Tools & Equipment Battery Diagnostics.

Follow the procedures outlined in <u>T-SB-0134-16</u>, *Techstream ECU Flash Reprogramming Procedure*, and flash the EPS ECU with the NEW calibration file update.

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