

# Abnormal Fuel Gauge Operation and/or Low Oil Pressure Gauge Reading

**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	

## Introduction

Some 2022 model year Tundra and Tundra Hybrid vehicles may exhibit one or both of the following conditions:

- The fuel gauge reading increases when the vehicle is parked on an incline, as the front of the vehicle rises higher than the rear of the vehicle.
- The oil pressure gauge reads slightly below a quarter when the engine is idling, or the vehicle is cruising at a constant speed.

The combination meter ECU logic has been modified to reduce the possibility of these conditions. Follow the Repair Procedure in this bulletin to address these conditions.

## Warranty Information

OP CODE	DESCRIPTION	TIME	OPF	T1	T2
800279	Reprogram the Combination Meter ECU	1.2	83800-#####*	87	74

\*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.

## Abnormal Fuel Gauge Operation and/or Low Oil Pressure Gauge Reading

### Parts Information

PART NUMBER		PART NAME	QTY
PREVIOUS	NEW		
83800-0CW20	83800-0CW21	Meter Assy, Combination	-
83800-0CW30 83800-0CW31	83800-0CW32		
83800-0CW40 83800-0CW41	83800-0CW42		

**NOTE**  
The Combination Meter Assembly should NOT be replaced as part of the Repair Procedure.

### 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 2023.02.001.02 or later is required.
- Additional Techstream units may be ordered by calling Approved Dealer Equipment (ADE) at 1-800-368-6787.
- Use Techstream or an approved J2534 interface to perform flash reprogramming updates. Visit [techinfo.toyota.com](http://techinfo.toyota.com) for more information regarding J2534 reprogramming.

SPECIAL SERVICE TOOLS (SST)	PART NUMBER	QTY
Battery Diagnostic Tool*	<a href="#">DCA-8000P T</a>	1

\*Essential SST.

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

## Abnormal Fuel Gauge Operation and/or Low Oil Pressure Gauge Reading

### Calibration Information

MODEL	FUEL TANK SIZE	METER	CAL ID 1 SERIES	CAL ID NUMBER	CALIBRATION ID			
					PREVIOUS	NEW		
Tundra and Tundra HV	32 Gallon (122 Liter)	Analog	868000CW2###	CID-1	838000CW2100 838000CW2101	<a href="#">838000CW2102*</a>		
		Digital	838000CW3###	CID-1	838000CW3107 838000CW3108 838000CW310A 838000CW310B	<a href="#">838000CW310D / 838000CS730E</a>		
					CID-2		838000CS7207	
					CID-3		838000CS7307 838000CS7308 838000CS730A 838000CS730B	
			838000CW4###	CID-1			838000CW4107 838000CW4108 838000CW410A 838000CW410B	<a href="#">838000CW410D / 838000CS730E</a>
							CID-2	
				CID-3	838000CS7307 838000CS7308 838000CS730A 838000CS730B			

\*Maintenance Required reminder reset may be required. The scheduled maintenance notification will NOT appear as expected for the next service interval after the update.

## Abnormal Fuel Gauge Operation and/or Low Oil Pressure Gauge Reading

---

W

### Repair Procedure

1. Confirm the condition(s) exist(s).
  - A. Does the vehicle exhibit one or both of the following conditions?
    - The fuel gauge reading increases when the vehicle is parked on an incline, as the front of the vehicle rises higher than the rear of the vehicle.
    - The oil pressure gauge reads slightly below a quarter when the engine is idling, or the vehicle is cruising at a constant speed.
    - **YES** — Continue to substep B.
    - **NO** — This bulletin does NOT apply. Continue diagnosis using the applicable Repair Manual.
  - B. Confirm the combination meter assembly calibration.
    - (1) Use Techstream to confirm if the combination meter assembly has been updated.
    - (2) Is the calibration ID of the combination meter listed in Techstream as shown in the previous column of the calibration table above?
      - **YES** — Continue to step 2.
      - **NO** — This bulletin does NOT apply.  
Continue diagnosis using the applicable Repair Manual.
2. Reflash the combination meter assembly.

#### 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 [T-SB-0107-20](#), *ECU Flash Reprogramming With Security Signature*, to flash the combination meter assembly with the NEW calibration file update.

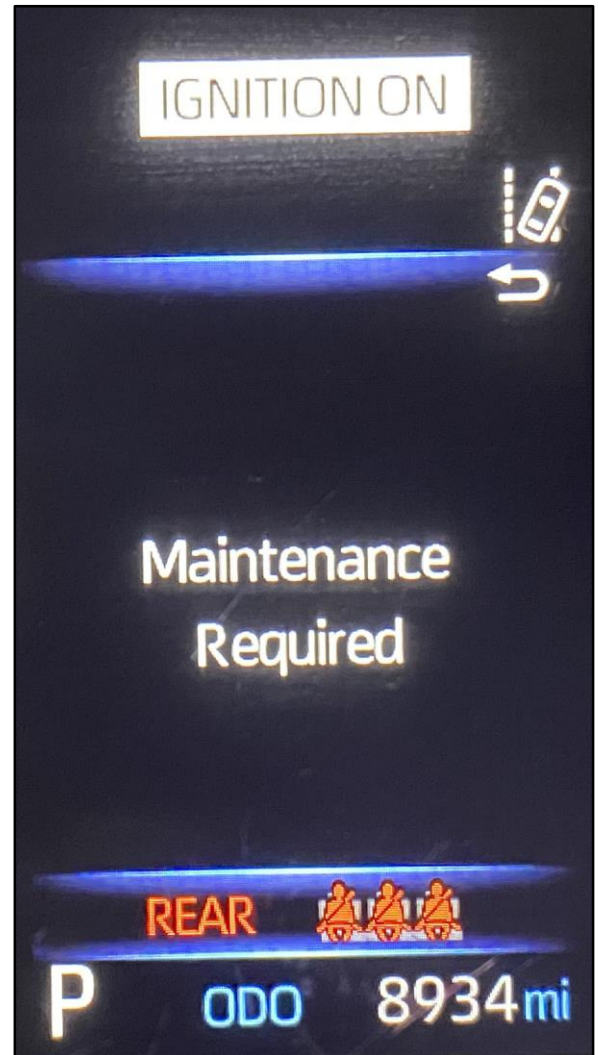
## Abnormal Fuel Gauge Operation and/or Low Oil Pressure Gauge Reading

---

### Repair Procedure (continued)

3. Does a Maintenance Required message appear on the combination meter MID (Multi-Information Display)?
  - **YES** — Continue to step 4.
  - **NO** — Go to step 5.

Figure 1. Maintenance Required Message

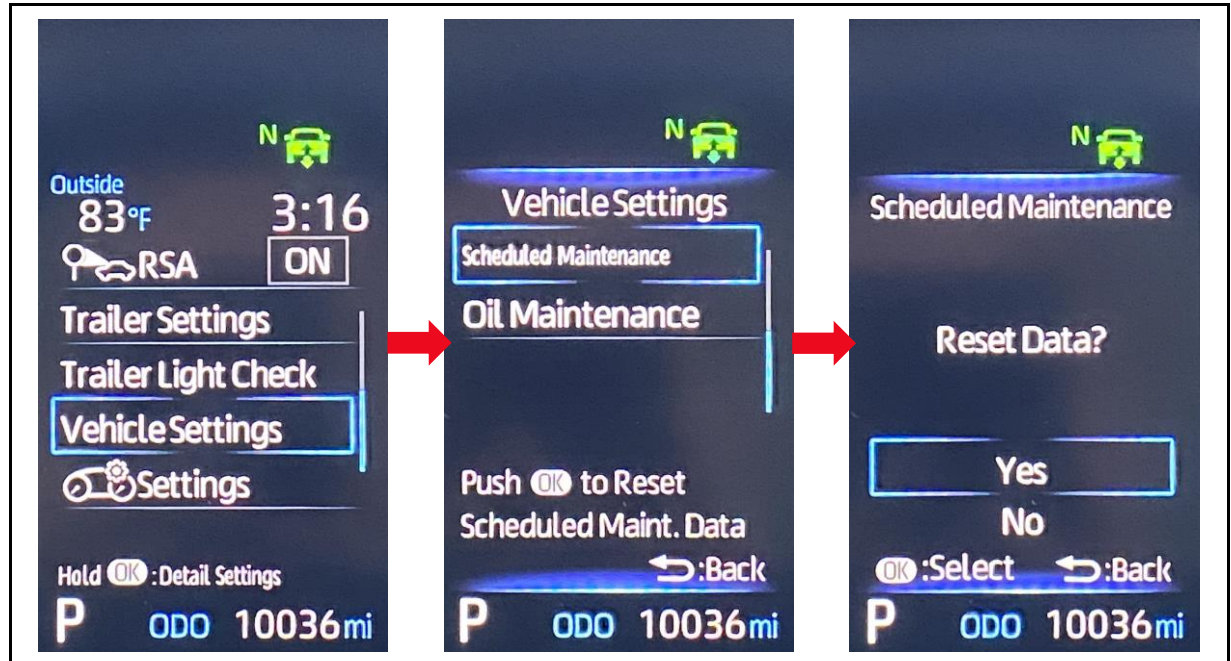


## Abnormal Fuel Gauge Operation and/or Low Oil Pressure Gauge Reading

### Repair Procedure (continued)

4. Reset the Maintenance Required reminder.
  - A. Access the Vehicle Settings menu in the MID.
  - B. Select *Vehicle Settings – Scheduled Maintenance – Reset Data – Yes*.

Figure 2.



**NOTE**

It is NOT necessary to reset the Oil Maintenance reminder.

5. Using Techstream, perform a Health Check to confirm if the combination meter assembly calibration has been updated and clear ANY stored DTCs.
  
6. Confirm the condition(s) no longer exist(s).