

**** TECHNICAL INFORMATION NOTICE ****

DATE: July 14, 2025
TO: Mitsubishi Motors US & Puerto Rico Dealer Parts & Service Managers
RE: Fuel Gauge Inaccurate
TIN NO.: TIN-25-13-001

.....
AFFECTED VEHICLES: 2022-2024 Outlander

PURPOSE:

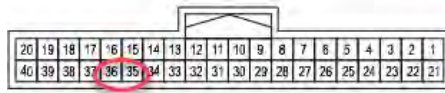
There may be an occasion when a vehicle is towed to your service facility with a no start/no run condition. The customer may also explain that the vehicle seemed to have run out of gas even though the fuel gauge indicated there was fuel in the tank or a certain number of miles before running out of fuel.

Do not start a repair until you have contacted Tech-Line

Service Department

- After confirmation that the condition with the vehicle is related to the lack of fuel in the tank, please perform the following steps: open a Tech-Line case, upload this document and other results requested below to the case for MMNA review.
- Confirm your MUT3SE is logged into the VDCS (**Vehicle Data Collection System**) and complete an All DTC Read Only search (If your MUT3SE is not connected to VDCS post the All-DTC results to the PRC)
 - Take a photo of the meter that clearly shows the fuel gauge level and range display.
 - Inspect the fuel level by using the MUT3SE (go to **System List METER/M&A Data List**
 - #5 FUEL METER** post the results
 - Remove Fuel Pump to access the sending unit float.
 - Remove the meter and find connector M76 (7" Information Display Meter) or M77 (Full TFT Meter), pins 35 and 36 and using an DVOM complete the attached table.

Back Probe Pin Terminals Only



Connector M76/77

Terminal #	Signal Name	Value	Ohms
35 and 36	Fuel Level Sensor Signal	Condition/Fuel Gauge Indication Position	
		Full	
		0.75	
		0.5	
		0.25	
		0.125	
		Empty	

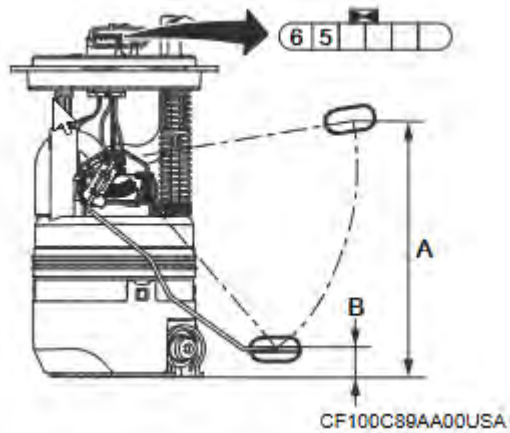
Remove the sub sender and perform the following

- **See example below**, place a ruler in both sides of the tank once the Fuel Pump and the sub-sender have been removed and post photos to the TL case.



Perform diagnosis in accordance with the workshop manual for each level sender and record the results.

Fuel Pump Sender



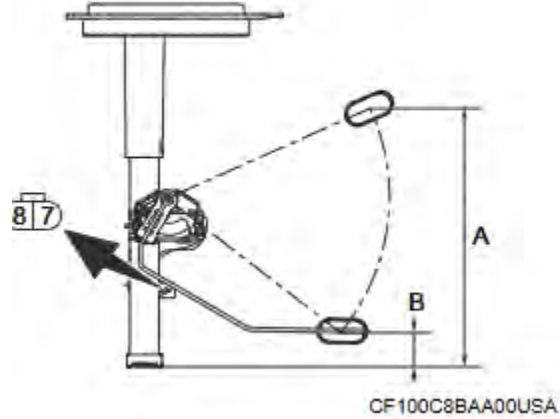
2WD

Terminals		Condition	Resistance (Ω) (Approx.)	Height [mm (in)]
Fuel level sensor unit and fuel pump				
5	6	Full ¹ (A)	91	179.0 (7.05)
		Empty ² (B)	283	18.9 (0.74)

AWD

Terminals		Condition	Resistance (Ω) (Approx.)	Height [mm (in)]
Fuel level sensor unit and fuel pump (main)				
5	6	Full ¹ (A)	28	178.0 (7.01)
		Empty ² (B)	113.5	25.0 (0.98)

Sub Sensor



Terminals		Condition	Resistance (Ω) (Approx.)	Height [mm (in)]
Fuel level sensor unit (sub)				
7	8	Full (A)	63	191.4 (7.54)
		Empty (B)	169.5	25.8 (1.02)

Warranty

OPERATION	LABOR OPERATION	TIME ALLOWANCE
FUEL LEVEL VOLTAGE INSPECTION	FUELLEVEL	1.0 HRS

Thank you for your continued support.

MMNA Product Support