

Subject:

**FUEL GAUGE INACURRATE / DISTANCE TO EMPTY (DTE)
ERRATIC / ENGINE NO START**

Service Alert No.: SA-013/25

Last Issued : 02/27/2025

BULLETIN NOTES

APPLICABLE MODEL(S)/VINS

2024-2025 CX-90 H3T (Inline 6)

2025 CX-70 H3T (Inline 6)

DESCRIPTION

Some customers may experience an inaccurate fuel gauge:

- Rapid fuel level drop when fuel guage is below 1/4.
- Distance to empty reading (DTE) is incorrect.
- DTC P0462:00 (Fuel gauge sender unit system: Low input) may be stored.
- Engine no start and fuel guage shows vehicle has fuel, but engine starts after adding fuel.

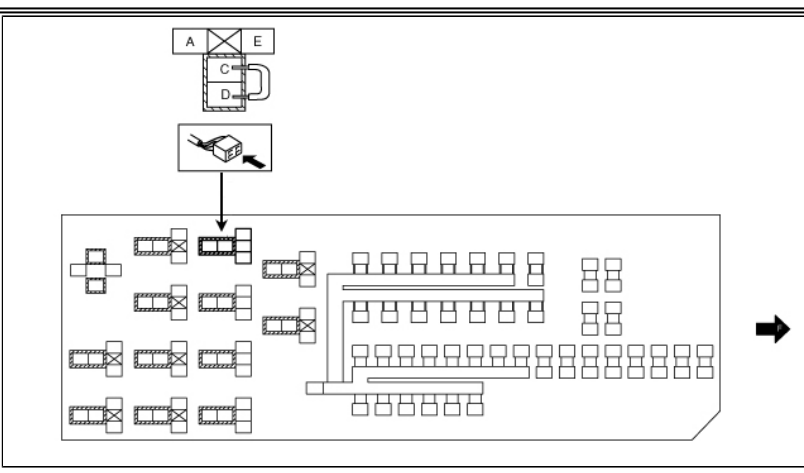
This may be caused by a faulty Fuel Gauge Sender Unit (Sub).

Customers having this concern should have their vehicle repaired using the following repair procedure.

REPAIR PROCEDURE

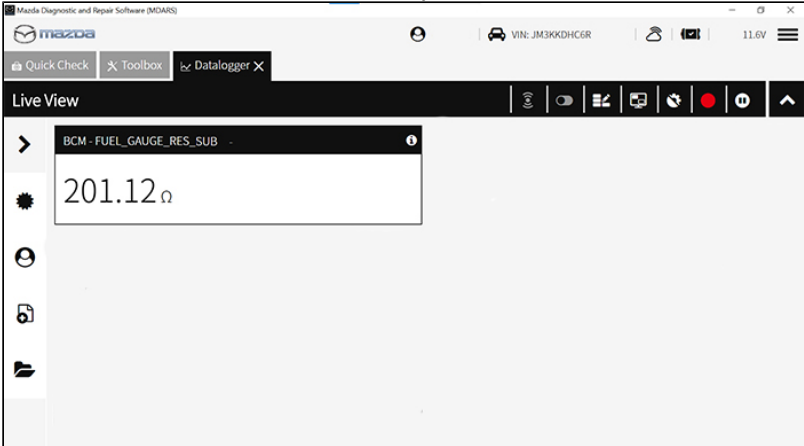
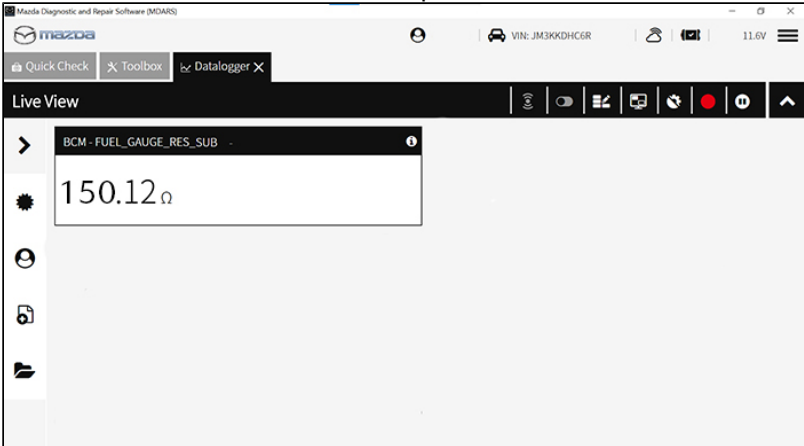
1. Verify the customer concern.
2. Perform [FUEL DRAINING PROCEDURE \[H3T\]](#).

3. When the fuel stops draining, remove the fuel pump relay jumper and wait 5 minutes.
4. Reinstall the fuel pump relay jumper and allow the fuel to drain again.
5. When the fuel stops draining, remove the fuel pump relay jumper and wait 5 minutes.
6. Reinstall the fuel pump relay jumper and allow the fuel to drain again.
7. When the fuel stops draining, remove the fuel pump relay jumper and go to the next step.



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8. Check the Fuel Gauge Sender Unit (Sub) resistance using MDARS. Go to Toolbox --> Datalogger --> BCM --> FUEL_GAUGE_RES_SUB.

PID Data Results	Action
Example 	Good 197—203 Ω: This Service Information does not apply. Go to normal MGSS troubleshooting.
Example 	No Good Outside of 197—203 Ω: Go to the next step.

9. Replace the fuel tank.

- CX-90 - [FUEL TANK REMOVAL/INSTALLATION \[H3T\]](#)
- CX-70 - [FUEL TANK REMOVAL/INSTALLATION \[H3T\]](#)

10. Verify the repair.

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PARTS INFORMATION

Part Number	Description	Qty.	Notes
****-42-110*	Tank ,Fuel	1	Refer to GEPC and order by VIN (Includes Fuel Gauge Sender Unit (Sub)). Only replace if PID data test results are No Good

WARRANTY INFORMATION

NOTE:

- This warranty information applies only to verified customer complaints on vehicles eligible for warranty repair.
- This repair will be covered under Mazda's New Vehicle Limited Warranty term.
- Additional diagnostic time cannot be claimed for this repair.

	Drain fuel, check Fuel Gauge Sender Unit (Sub) PID resistance and Replace Fuel Tank PID data test results are No Good	Drain fuel and check Fuel Gauge Sender Unit (Sub) PID resistance PID data test results are Good
Warranty Type	A	A
Symptom Code	65	65
Damage Code	93	8W
Part Number Main Cause	****-42-110*	****-42-110*
Qty	1	0
Operation Number / Labor Hours:	F0008XDX 0.4 hrs. (Check resistance w/ MDARS) F0501XRX / 3.6 – 3.7 hrs. (Fuel Tank R&R)* *Depends on trim - Refer to Warranty Wizard	F0333XRX / 0.7 hrs. (CX-70) F0333BRX / 0.7 hrs. (CX-90)

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