



93-23-02 - Current Sensing DTCs

Release date: 5/15/2024

## Condition

Applicable Vehicles					
Model(s)	Year	Eng. Code	Trans. Code	VIN Range From	VIN Range To
ID.4	2023	All	All	All	All

Revision Table			
Instance Number	Published Date	Version Number	Reason For Update
2069932/3	5/15/2024	93-23-02	Included production solution details.
2069932/1	4/6/2023	93-23-02	Original publication.

The customer reports the error message “Electrical system not working correctly” and red malfunction indicator symbol have appeared, and/or “Ready” mode cannot be established.

One or more of the following fault codes stored in the Battery Regulation Control Module -**J840**- (Diagnostic Address 008C):

DTC	Symptom	Description	Status
P0AC000	42146	Hybrid/EV Battery Pack Current Sensor "A" Circuit Range/Performance	Static or Sporadic
P0AC000	42145	Hybrid/EV Battery Pack Current Sensor "A" Circuit Range/Performance	Static or Sporadic
P0AC100	42143	Hybrid/EV Battery Pack Current Sensor "A" Circuit Low	Static or Sporadic
P0AC200	42142	Hybrid/EV Battery Pack Current Sensor "A" Circuit High	Static or Sporadic
P0B0F00	42149	Hybrid/EV Battery Pack Current Sensor "B" Circuit Range/Performance	Static or Sporadic
P0B1000	42148	Hybrid/EV Battery Pack Current Sensor "B" Circuit Low	Static or Sporadic



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POB1100	42147	Hybrid/EV Battery Pack Current Sensor "B" Circuit High	Static or Sporadic
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## Technical Background

An implausible current measurement by one or both of the current sensor shunts inside the High-Voltage Battery Control Module, Negative Terminal **-SX7-** can result in one or more of the DTCs listed above.

## Production Solution

New welding process implemented to increase robustness CW50/23.

## Service

Replace only the following components together according to the repair manual:

- High-Voltage Battery Control Module, Negative Terminal **-SX7-**
- High-Voltage Battery Control Module, Positive Terminal **-SX8-**
- Battery Regulation Control Module **-J840-**

## Warranty

Information only.

## Required Parts and Tools

No Special Parts required.

## Additional Information

All part and service references provided in this Technical Bulletin are subject to change and/or removal. Always check with your Parts Dept. and Repair Manuals for the latest information.