



STAR ONLINE PUBLICATION



Case Number: S2308000140

Release Date: November 2023

Symptom/Vehicle Issue: Malfunction Indicator Lamp On, P1DBA-00 Battery Cooling System Failure Set In The Hybrid Control Processor (HCP)

Discussion: The customer may bring their vehicle in for a Malfunction Indicator Lamp (MIL). Upon scanning the vehicle for DTC's, you may find P1DBA-00 Battery Cooling System Failure Set In The Hybrid Control Processor (HCP).

The EV battery in the GG/GC PHEV is cooled using the A/C system refrigerant loop, NOT a liquid coolant loop like previous Stellantis PHEV vehicles. Please do not attempt to diagnose any of the Aux Coolant Pump circuits in relation to this DTC. Service Library information is in the process of being corrected.

DTC P1DBA-00 can set when EV battery cooling system is not performing as required. But may also set improperly due to a calibration issue. Follow the diagnosis below to determine if the P1DBA-00 is caused by a poor performing A/C system or setting improperly. P1DBA-00 is most likely to set while using a Level 2 Charging.

Diagnosis: Confirm proper operation of the A/C refrigerant loop to make sure A/C system performance meets requirements and functions normally given current ambient conditions. Reference standard A/C service diagnostics in Service Library.

This document does not authorize warranty repairs. This communication documents a record of past experiences. STAR Online does not provide any conclusions about what is wrong with the vehicle. Rather, it captures all previous cases known that appear to be similar or related to the vehicle symptom / condition. You are the expert, and you are responsible for deciding on the appropriate course of action.

Contact STAR Center, or your Technical Assistance Center Via TechCONNECT or eCONTACT ticket if no solution is found



STAR ONLINE PUBLICATION



If no issues are found with the A/C system or refrigeration loop. Attempt duplicating the DTC while using a Level 2 Charger. Next, review the following freeze frame data for P1DBA-00:

EAC Actual Speed = 0

EAC Enable = False

EAC Speed Request = False

Battery Thermal State = Battery Active Cooling

If the data values match it can be confirmed that the P1DBA-00 is being set due to a calibration issue. Engineering is currently working on a service flash to remedy the concern with an estimated release date of Q2 2024. The only customer symptom of an active P1DBA-00 is illumination of the MIL

Suspending use of a Level 2 Charger until the service flash is released will stop the setting of the P1DBA-00 and illumination of the MIL. The vehicle can still be driven normally.

This document does not authorize warranty repairs. This communication documents a record of past experiences. STAR Online does not provide any conclusions about what is wrong with the vehicle. Rather, it captures all previous cases known that appear to be similar or related to the vehicle symptom / condition. You are the expert, and you are responsible for deciding on the appropriate course of action.

Contact STAR Center, or your Technical Assistance Center Via TechCONNECT or eCONTACT ticket if no solution is found