

Document Information

Location: Powertrain

Topic: A how to guide in diagnosing DTC P0A8000 and recalibrating the high voltage SoH

Condition: Permanent

Diagnostic Trouble Codes: P0A8000

Measure

If you are presented with the DTC P0A8000 shown in the Battery Management System control unit (BMS) the following steps can be used to attempt to recalibrate the high voltage battery state of health (SoH)

1. Place the vehicle on the wireless charger and start a charging cycle
2. Once the battery has fully charged, disconnect the wireless charger and allow the vehicle to sleep for 1 hour 30 minutes. Please note balancing of the modules will occur when the high voltage battery reaches 96% and can take several hours to reach 100%
3. Connect the MDS2 and execute BMS sequence "Set SoH Calculation Mode Start"
4. Drive the vehicle until high voltage state of charge (SoC) reaches less than 22% (the target is >20%) If the vehicle is unable to be driven please discharge the high voltage battery without driving. This can be done by running the vehicle
5. Let the vehicle sleep for 1 hour 30 minutes. High voltage battery contactors must be open, no charging allowed (wireless charger must be inactive) and ignition off
6. Stop the BMS sequence "SoH Calculation"
7. Charge the high voltage battery back up <50% by driving or charging
8. Confirm if the DTC will clear, if the DTC does not clear please raise a Technical Request for further guidance

Parts Information

N/A

Attachments

N/A

KA Update Information

15/10/2025 – Initial release