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## CONFIGURATION REPORT

**Vehicle** 2021 CHRYSLER PACIFICA (PHEV) 3.6L V6 HYBRID ENGINE  
**VIN** [REDACTED]

**Odometer** 7147.4 miles  
**Publication Date** Oct 14, 2021, 11:23:53 AM

## ECU SUMMARY INFO

| ECU   | NAME                           | BUS TYPE | FLASH PART # | PART #     |
|-------|--------------------------------|----------|--------------|------------|
| PCM   | Powertrain Control Module      | CAN-C    | 68499122AE   | 68499122AE |
| PLGM  | Power Liftgate                 | CAN-I    | 68466171AI   | 68466171AI |
| ICS   | Integrated Center Stack        | CAN-I    | 7AS341X8AA   | 7AS341X8AA |
| RFH   | Radio Frequency Hub            | CAN-C    | 68500152AA   | 68500152AA |
| ESM   | Electronic Shifter             | CAN-C    | 68240089AM   | 68240089AM |
| ORC   | Occupant Restraint             | CAN-C    | 68480710AC   | 68480710AC |
| EPS   | Electric Power Steering        | CAN-C    | 68460392AA   | 68460392AA |
| HVAC  | Heat, Ventilation and A/C      | CAN-I    | 68493454AE   | 68493454AE |
| DDM   | Driver Door Module             | CAN-I    | 68496461AB   | 68496461AB |
| PDM   | Passenger Door Module          | CAN-I    | 68496460AB   | 68496460AB |
| DMRL  | Door Module Rear Left          | CAN-I    | 68508894AB   | 68508894AB |
| DMRR  | Door Module Rear Right         | CAN-I    | 68508894AB   | 68508894AB |
| PSDML | Power Sliding Doors (Left)     | CAN-I    | 68369596AD   | 68369596AD |
| PSDMR | Power Sliding Doors (Right)    | CAN-I    | 68369596AD   | 68369596AD |
| MSM   | Memory Seat Module             | CAN-I    | 68321862AC   | 68321862AC |
| CSWM  | Comfort Seat Wheel Module      | CAN-I    | 68517013AB   | 68517013AB |
| AMP   | Amplifier                      | CAN-I    | 68448067AA   | 68448067AA |
| IPC   | Instrument Panel Cluster       | CAN-C    | 68434960AE   | 68434960AE |
| PTS   | Parktronics                    | CAN-C    | 68485862AA   | 68485862AA |
| SCCM  | Steering Column Control Module | CAN-C    | 68360889AD   | 68360889AD |
| BCM   | Body Controller                | CAN-C    | 68491085AG   | 68491085AG |



|       |                                    |       |            |  |            |
|-------|------------------------------------|-------|------------|--|------------|
| ACC   | Adaptive Cruise Control            | CAN-C | 68540436AA |  | 68540436AA |
| RADIO | Radio                              | CAN-I | 68465292AC |  | 68465292AC |
| OCM   | Occupant Classification            | CAN-C | 68403127AA |  | 68403127AA |
| HVACR | Heat, Ventilation and A/C Rear     | CAN-I | 68373079AB |  | 68373079AB |
| LBSS  | Left Blind Spot Sensor             | CAN-I | 04672786AB |  | 04672786AB |
| RBSS  | Right Blind Spot Sensor            | CAN-I | 04672786AB |  | 04672786AB |
| FFCM  | Forward Facing Camera Module       | CAN-C | 68493395AA |  | 68493395AA |
| EDM   | External Disc Module               | CAN-I | 68499745AA |  | 68499745AA |
| APM   | Accessory Power Module             | CAN-C | 05185046AB |  | 05185046AB |
| BPCM  | Battery Pack Control Module        | CAN-C | 05193183AE |  | 05193183AE |
| HCP   | Hybrid Control Processor           | CAN-C | 05185116AH |  | 05185116AH |
| OBCM  | On Board Charging Module           | CAN-C | 05185047AE |  | 05185047AE |
| MSMP  | Memory Seat Module - Passenger     | CAN-I | 68321862AC |  | 68321862AC |
| DSM   | Display Screen Module              | CAN-I | 68437339AD |  | 68437339AD |
| VRM   | Video Routing Module               | CAN-I | 68493702AA |  | 68493702AA |
| RCCC  | Rear Cabin Comfort Controls        | CAN-I | 6WL30PD2AA |  | 6WL30PD2AA |
| CVPM  | Central vision processing module   | CAN-I | 56029920AB |  | 56029920AB |
| EAC   | Electric A/C Compressor            | CAN-C | 68237995AG |  | 68237995AG |
| AHCP  | Auxiliary Hybrid Control Processor | CAN-C | 05185117AH |  | 05185117AH |
| EBBM  | Electronic Brake Booster Module    | CAN-C | 68461813AB |  | 68461813AB |
| ABSO  | Anti Lock Brakes OBD               | CAN-C | 68471122AD |  | 68471122AD |
| SGW   | Security Gateway Module            | CAN-C | 68488429AB |  | 68488429AB |
| TBM2  | Telematic Box Module 2             | CAN-C | 68546266AB |  | 68546266AB |

### ECU SUMMARY INFO (CONT...)

| ECU  | COUNTRY CODE | HARDWARE VERSION | SOFTWARE VERSION | IDENT        | CVNS     |
|------|--------------|------------------|------------------|--------------|----------|
| PCM  | USA          | 1B 47            | 75 01 01         | 4422         | F2DB13B9 |
| PLGM | USA          | 0                | 5084             | 000200000031 |          |
| ICS  | USA          | 0F 0C 00         | 13 31 01         | 4700         |          |
| RFH  | USA / USA    | 10 17 00         | 13 26 00         | 4A00         |          |

|       |                              |          |          |              |                                  |
|-------|------------------------------|----------|----------|--------------|----------------------------------|
| ESM   | USA / USA                    | 0F 24 00 | 12 28 FF | 4402         |                                  |
| ORC   | USA / USA                    | 12 1A 00 | 13 2E 00 | 4301         |                                  |
| EPS   | USA / USA                    | 12 2A 00 | 12 1E 01 | 4502         |                                  |
| HVAC  | USA                          | 0E 09 00 | 14 2F 01 | 4401         |                                  |
| DDM   | USA                          | 11 07 00 | 14 07 00 | 4202         |                                  |
| PDM   | USA                          | 11 07 00 | 14 07 00 | 4202         |                                  |
| DMRL  | USA / USA                    | 10 0B 00 | 14 08 00 | 4201         |                                  |
| DMRR  | USA / USA                    | 10 0B 00 | 14 08 00 | 4201         |                                  |
| PSDML | USA / USA                    | 10 17 00 | 14 10 12 | 4001         |                                  |
| PSDMR | USA / USA                    | 10 17 00 | 14 10 12 | 4001         |                                  |
| MSM   | USA                          | 0F 2B 00 | 10 27 03 | 4101         |                                  |
| CSWM  | USA                          | 11 2A 00 | 14 25 00 | 4302         |                                  |
| AMP   | USA                          | 0F 06 01 | 12 2E 01 | 4021         |                                  |
| IPC   | USA / USA                    | 12 06 00 | 14 2B 00 | 4705         |                                  |
| PTS   | USA                          | 0E 32 00 | 14 07 00 | 4311         |                                  |
| SCCM  | USA                          | 13 28 00 | 13 29 00 | 4301         |                                  |
| BCM   | USA                          | 0D 11 00 | 14 26 90 | 4420         |                                  |
| ACC   | USA / USA                    | 14 12 01 | 14 26 01 | 4400         |                                  |
| RADIO |                              | 65       | 5175     | 000200000008 |                                  |
| OCM   | USA / USA                    | 11 1F 01 | 0E 2F 02 | 4030         |                                  |
| HVACR | USA                          | 0E 09 00 | 10 03 02 | 4301         |                                  |
| LBSS  | USA / USA                    | 11 30 02 | 12 0D 00 | 4202         |                                  |
| RBSS  | USA / USA                    | 11 30 02 | 12 0D 00 | 4202         |                                  |
| FFCM  | USA / USA                    | 11 06 00 | 13 1E 00 | 4102         |                                  |
| EDM   | USA                          | 12 0A 00 | 11 08 00 | 4000         |                                  |
| APM   | USA / USA                    | 11 32 00 | 11 32 00 | 4001         |                                  |
| BPCM  | Not programmed / COUNTRY_SNA | 0E 03 00 | 14 2C 00 | 4005         | 79855957                         |
| HCP   | USA                          | 11 1F 04 | 0F 2D 00 | 4006         | 879F1587<br>D754327D<br>050DC953 |
| OBCM  | USA                          | 0F 0D 00 | 12 02 00 | 4002         |                                  |
| MSMP  | USA                          | 0F 2B 00 | 10 27 03 | 4001         |                                  |
| DSM   | USA / USA                    | 14 0C 00 | 14 28 00 | 4300         |                                  |
| VRM   | USA / USA                    | 0F 1C 00 | 14 1E 14 | 4001         |                                  |
| RCCC  | USA                          | 0F 1D 00 | 13 04 00 | 4000         |                                  |
| CVPM  | USA / USA                    | 11 27 01 | 14 0C 01 | 4004         |                                  |
| EAC   | USA                          | 0E 34 00 | 12 0F 00 | 4102         |                                  |
| AHCP  | USA                          | 11 1F 04 | 0F 2D 00 | 4000         |                                  |
| EBBM  | USA                          | 0E 19 02 | 14 0D 18 | 4000         | E5898FA5                         |
| ABSO  | USA                          | 0E 15 02 | 14 1B 26 | 4201         | 4F158D1B                         |
| SGW   |                              | 5        | 969      | 4103         |                                  |
| TBM2  | USA                          | 13 0E 02 | 14 2A 5C | 4104         |                                  |

## CONFIGURATION

### PCM CONFIGURATION

| NAME                                         | VALUE | UNITS |
|----------------------------------------------|-------|-------|
| Secondary Mass Airflow Sensor Equipped       | False |       |
| Active Exhaust Pressure Sensor Equipped      | False |       |
| Active Exhaust Valve(s) Equipped             | False |       |
| Electronic Parking Brake Equipped            | True  |       |
| Heater Temp Control Valve Equipped           | False |       |
| Wastegate HBridge Equipped                   | False |       |
| Aux Coolant Pump Heater Equipped             | False |       |
| Mechanical Coolant Pump Equipped             | False |       |
| High Side Port Tumble Valve Equipped         | False |       |
| Direct Injection Equipped                    | False |       |
| Brake Pedal Sensor Equipped                  | False |       |
| Active Engine Mount Equipped                 | False |       |
| SRV Equipped                                 | False |       |
| Clutch Interlock Switch Equipped             | False |       |
| Mechanical Coolant Pump Heater Equipped      | False |       |
| 2.0 Liter W14 engine                         | False |       |
| Transmission Software Included               | False |       |
| Sensorless FFV Enabled                       | False |       |
| TIP Equipped                                 | False |       |
| 5.7 Liter V8 Engine                          | False |       |
| 62TE                                         | False |       |
| Adaptive Cruise Control Hardware Equipped    | False |       |
| MDS Equipped                                 | False |       |
| Electric Thermostat Heater Equipped          | False |       |
| Rear Heater Equipped                         | False |       |
| Unleaded Gasoline Fuel                       | True  |       |
| Knock Sensor 2 Equipped                      | True  |       |
| ETC Cruise equipped                          | False |       |
| 3.8 Liter V6 Engine                          | False |       |
| ZF 9-Speed Transmission Equipped             | False |       |
| AC Equipped Over Bus                         | False |       |
| VLP Is Learnable Indicator                   | False |       |
| Power Steering Switch Equipped               | False |       |
| Primary Lin Alternator Equipped              | False |       |
| Tumble Generator Valve Equipped              | False |       |
| Fiat 940 Compact Equipped                    | False |       |
| CUSW PROXI Write Programming Support Enabled | False |       |
| Engine Software In Package                   | True  |       |
| Dual Fuel Pressure Sensor Equipped           | False |       |
| Wide Range O2 Sensor 1/1 Equipped            | False |       |
| 66RFE / 68RFE                                | False |       |
| A/C Equipped                                 | True  |       |
| 4 Speed Automatic Transmission Equipped      | False |       |

|                                                      |           |  |
|------------------------------------------------------|-----------|--|
| Electronic Throttle Control Equipped                 | True      |  |
| O2 Sensor Bank 2 Sensor 2 Equipped                   | True      |  |
| Secondary Air Equipped                               | False     |  |
| High Side Port Tumble Valve Equipped                 | Undefined |  |
| Shift Indicator Lamp Equipped                        | False     |  |
| 3.3 Liter V6 Engine                                  | False     |  |
| 4.0 Liter I6 Engine                                  | False     |  |
| Turbocharger Equipped                                | False     |  |
| 45RFE / 545RFE / 65RFE                               | False     |  |
| 3 Speed Fan Mechanical Relay System Equipped         | False     |  |
| GPEC3 Equipped                                       | False     |  |
| O2 Sensor Bank 2 Sensor 1 Equipped                   | True      |  |
| Constant Heater Temperature Control Valve Equipped   | False     |  |
| Air Shutoff Valve Bank 1 Control Solenoid 2 Equipped | False     |  |
| Secondary Fuel Pump Equipped                         | False     |  |
| Aisin 6-Speed RWD Transmission Equipped              | False     |  |
| Fixed displacement AC Equipped                       | True      |  |
| Air Shutoff Valve Bank 2 Control Solenoid 2 Equipped | False     |  |
| PTO System Equipped                                  | False     |  |
| VMM Equipped                                         | False     |  |
| O2 Sensor Bank 1 Sensor 2 Equipped                   | True      |  |
| Viscosity Sensor Equipped                            | False     |  |
| Transmission Oil Heater Equipped                     | False     |  |
| Electronic Vacuum Pump Equipped                      | False     |  |
| MultiAir Equipped                                    | False     |  |
| 6.2 Liter V8 Engine                                  | False     |  |
| Auxiliary Coolant Pump Equipped                      | False     |  |
| Police Package Equipped                              | False     |  |
| Linear Purge Equipped                                | False     |  |
| DUAL_ALTERNATOR_GEN1_LEARNEDCOPY                     | False     |  |
| 2.7 Liter V6 Engine                                  | False     |  |
| Oil Pressure Sensor Enabled                          | True      |  |
| Exhaust Cam 1 Equipped                               | True      |  |
| MTV Solenoid Equipped                                | False     |  |
| GPEC4 Equipped                                       | False     |  |
| Active Exhaust Valve Equipped                        | False     |  |
| WI4 Variable Valve Timing Equipped                   | True      |  |
| Exhaust Cam 2 Equipped                               | True      |  |
| Supercharger Equipped                                | False     |  |
| Adaptive Cruise Control Equipped                     | True      |  |
| Continuous Variable Transmission Equipped            | False     |  |
| Powernet Equipped                                    | True      |  |
| Low Temperature Radiator Coolant Pump Equipped       | False     |  |
| TOOLCONFIG_OIL_PRESS_ABS_EQUIPPED                    | True      |  |

|                                                                    |                                  |  |
|--------------------------------------------------------------------|----------------------------------|--|
| 3.7 Liter V6 Engine                                                | False                            |  |
| Port Flap Valve Equipped                                           | False                            |  |
| O2 Sensor Bank 1 Sensor 1 Equipped                                 | True                             |  |
| WI4 Intake Flow Control Valve Equipped                             | False                            |  |
| GPEC2A Equipped                                                    | True                             |  |
| Trans Skip Shift Equipped                                          | False                            |  |
| 42RLE                                                              | False                            |  |
| 4 Button Integrated Cruise Control                                 | False                            |  |
| Yaw Rate Sensor ESC Equipped                                       | False                            |  |
| Vehicle Speed Sensor #1 Calculated by ECU                          | False                            |  |
| GPEC2 Equipped                                                     | False                            |  |
| Buffered Crank Output for ANC (Active Noise Cancellation) Equipped | True                             |  |
| Engine Idle Shutoff Equipped                                       | False                            |  |
| Brushless PWM Fan Equipped                                         | NOT_FAN_PWM_BOSCH_BRUSHLESS_CNFG |  |
| 3.0 Liter V6 Engine                                                | False                            |  |
| Operator Idle Speed Request Equipped                               | False                            |  |
| Auxiliary Heater Electric Water Pump Equipped                      | False                            |  |
| 3.2 Liter V6 Engine                                                | False                            |  |
| Electronic Coolant Pump Equipped                                   | False                            |  |
| HPT 6-Speed Transmission Equipped                                  | False                            |  |
| Dual Fuel Tank Equipped                                            | False                            |  |
| Wide Range O2 Sensor 2/1 Equipped                                  | False                            |  |
| Engine Oil Heater Cooler Equipped                                  | True                             |  |
| Active Grille Shutter Equipped                                     | True                             |  |
| Coolant On-Off Valve Equipped                                      | False                            |  |
| Cummins Equipped                                                   | False                            |  |
| Electronic Automatic Transmission (EATX) Equipped                  | False                            |  |
| Fan Wake Up Relay System Equipped                                  | False                            |  |
| Linear EGR Equipped                                                | False                            |  |
| Barometric Sensor Equipped                                         | False                            |  |
| 40TE / 41TE / 41TEA                                                | False                            |  |
| CMCV H-Bridge Equipped                                             | Undefined                        |  |
| Intake Cam 2 Equipped                                              | True                             |  |
| O2 Sensor Bank 1 Sensor 3 Equipped                                 | False                            |  |
| AC Equipped                                                        | False                            |  |
| 1 Speed Fan Mechanical Relay System Equipped                       | False                            |  |
| Battery Temp Sensor Equipped                                       | False                            |  |
| Dual Stage Oil Pump Equipped                                       | True                             |  |
| Dual Speed Fuel Pump Equipped                                      | False                            |  |
| Next Gen Bus Equipped                                              | False                            |  |
| EMAT (Getrag DCT transmission) Equipped                            | False                            |  |
| Air Shutoff Valve Bank 1 Control Solenoid 1 Equipped               | False                            |  |
| Active Exhaust Pressure Sensor Equipped                            | False                            |  |
| Buffered Crank Output for PHEV Engine Pulse Calculation Equipped   | True                             |  |

|                                                          |           |  |
|----------------------------------------------------------|-----------|--|
| Throttle Inlet Temp Sensor Equipped                      | False     |  |
| Starter Relay 2 Equipped                                 | False     |  |
| Electric Coolant Valve Equipped                          | False     |  |
| Cooled EGR Equipped                                      | False     |  |
| Duty Cycle Purge Valve Equipped                          | True      |  |
| Turbine Volute Valve Actuator Equipped                   | Undefined |  |
| Vehicle Speed Sensor #1 Calculated from CAN              | False     |  |
| Linear PWM Fan Relay System Equipped                     | False     |  |
| Knock Sensor 1 Equipped                                  | True      |  |
| Humidity, Temperature and Pressure Sensor (LIN) Equipped | False     |  |
| VLP Equipped Indicator                                   | False     |  |
| VFS Actuators Available Indicator                        | False     |  |
| Engine Stop Start Equipped                               | False     |  |
| 1.0 Liter I3 Engine                                      | False     |  |
| Variable Speed Fuel Pump Equipped                        | True      |  |
| Compressed Natural Gas Equipped                          | False     |  |
| ICC Cruise Equipped                                      | False     |  |
| Coolant On-Off Pump Equipped                             | False     |  |
| 3.6 Liter V6 Engine                                      | True      |  |
| Unleaded diesel fuel                                     | False     |  |
| 2 Speed Fan 3 Driver 3 Relay System Equipped             | False     |  |
| ESIM Equipped                                            | False     |  |
| Variable Displacement AC Equipped                        | False     |  |
| 4.7 Liter V8 Engine                                      | False     |  |
| PWM Fan Motor System Equipped                            | True      |  |
| ERS Equipped Indicator                                   | False     |  |
| Fiat VIN Learning Strategy Equipped                      | False     |  |
| Inrush Current Reduction Relay Equipped                  | False     |  |
| Intake Cam 1 Equipped                                    | True      |  |
| 2 Speed Fan Mechanical Relay System Equipped             | False     |  |
| 6.4 Liter V8 Engine                                      | False     |  |
| 6.1 Liter V8 Engine                                      | False     |  |
| 2.4 Liter WI4 engine                                     | False     |  |
| Trans Reverse Lockout Equipped                           | False     |  |
| CUSW (11-Bit) Equipped                                   | False     |  |
| Auxiliary Coolant Pump Heater Equipped                   | Undefined |  |
| Electric Water Pump Equipped                             | False     |  |
| 3.5 Liter V6 Engine                                      | False     |  |
| Hybrid Electric Vehicle Equipped                         | True      |  |
| 2 Speed Fan PWM Relay System Equipped                    | False     |  |
| Wastegate H-Bridge Equipped                              | Undefined |  |
| 1.8 Liter WI4 engine                                     | False     |  |
| Operator Idle Speed Request Equipped                     | False     |  |
| Cylinder Pressure Sensor Equipped                        | False     |  |

|                                                  |              |      |
|--------------------------------------------------|--------------|------|
| Throttle Inlet Temp Sensor Equipped              | False        |      |
| Mass Airflow System Equipped                     | False        |      |
| Clutch Sensor Equipped                           | False        |      |
| Dual Fuel Pressure Sensor Equipped               | False        |      |
| Make Up Air Sensor Equipped                      | False        |      |
| Bi-Directional Crank Sensor Equipped             | True         |      |
| CUSW 4-Button Cruise Equipped                    | False        |      |
| SWAP HARDWIRED BRAKE SWITCH INPUTS               | False        |      |
| 5 Button Cruise (LIN) Equipped                   | True         |      |
| Power Steering Angle Sensor Mandatory            | False        |      |
| LIN Humidity, Temp, and Pressure Sensor Equipped | False        |      |
| INTAKE O2 SENSOR EQUIPPED                        | False        |      |
| Brake Pedal Sensor Equipped                      | False        |      |
| Engine Oil Pressure Sensor Type                  | 255          | None |
| Remote Start Present                             | Present      |      |
| Coolant On-Off Pump Equipped                     | Not Equipped |      |
| Primary Lin Alternator Equipped                  | Not Equipped |      |
| Variable Valve Lift Equipped                     | Not Equipped |      |
| 2.0 Liter I4 Direct Injection Engine             | False        |      |
| 1.0 Liter I3 Engine                              | False        |      |
| Low Temp Radiator Coolant Pump Equipped          | False        |      |
| Engine Idle Shutoff Equipped                     | False        |      |
| ZF 9-Speed Trans Equipped                        | False        |      |
| A/C Relay Powered from Engine Switched Battery   | False        |      |
| PTO System Equipped                              | False        |      |
| HPT 6-Speed Trans Equipped                       | False        |      |
| Hybrid MEC Shifter Equipped                      | False        |      |
| CNG Large Gas Tank Equipped                      | False        |      |
| Dual Alternator Gen1 Capable                     | False        |      |
| Dual Fuel Tank Equipped                          | False        |      |
| Cooled EGR Equipped                              | False        |      |
| Auxillary Coolant Pump Equipped                  | False        |      |
| Supercharger Equipped                            | False        |      |

## ICS CONFIGURATION

| NAME                | VALUE | UNITS |
|---------------------|-------|-------|
| Display Type (Mid)  | False |       |
| Display Type (Base) | True  |       |
| Display Type (High) | False |       |

## RFH CONFIGURATION

| NAME                                          | VALUE            | UNITS |
|-----------------------------------------------|------------------|-------|
| Hardware Configuration: Trunk Door Handle H/W | Simple Switch AP |       |
| Hardware Configuration: Remote Start Antenna  | Present          |       |

|                                                          |                              |  |
|----------------------------------------------------------|------------------------------|--|
| Hardware Configuration: Front Right Door Handle H/W      | Serial AP                    |  |
| Hardware Configuration: Front Left Door Handle H/W       | Serial AP                    |  |
| Hardware Configuration: Rear Right Door Handle H/W       | No AP                        |  |
| Hardware Configuration: Rear Left Door Handle H/W        | No AP                        |  |
| Valid Key In Ignition                                    | Yes                          |  |
| Fob Location #3 Successfully Programmed                  | Yes                          |  |
| Fob Location #5 Key sense status                         | Fob is NOT Key Sense         |  |
| Secret Key Sent to Body Controller - Original attempt    | Yes                          |  |
| Fob Location #7 Key sense status                         | Fob is NOT Key Sense         |  |
| Fob Location #3 Key sense status                         | Fob is Key Sense             |  |
| Fob Location #7 Successfully Programmed                  | No                           |  |
| Fob Location #6 Successfully Programmed                  | No                           |  |
| Fob Location #5 Successfully Programmed                  | No                           |  |
| Fob Location #8 Key sense status                         | Fob is NOT Key Sense         |  |
| PIN Successfully Programmed                              | Yes                          |  |
| RFHub Locked                                             | RFHUB Locked after IAC write |  |
| Fob Location #1 Key sense status                         | Fob is NOT Key Sense         |  |
| Fob Location #4 Key sense status                         | Fob is NOT Key Sense         |  |
| Fob Location #6 Key sense status                         | Fob is NOT Key Sense         |  |
| Fob Location #1 Successfully Programmed                  | Yes                          |  |
| Secret Key Sent to Body Controller - Most recent attempt | Yes                          |  |
| Fob Location #2 Successfully Programmed                  | Yes                          |  |
| Fob Location #4 Successfully Programmed                  | No                           |  |
| Fob Location #2 Key sense status                         | Fob is NOT Key Sense         |  |
| VIN Successfully Programmed                              | Yes                          |  |
| Fob Location #8 Successfully Programmed                  | No                           |  |
| Base TPM                                                 | False                        |  |
| Auto Park Present                                        | True                         |  |
| e-shifter present                                        | True                         |  |
| Secret Codes Programmed                                  | True                         |  |
| KeySense Configuration                                   | True                         |  |
| Ignition system type connected                           | KIN system                   |  |
| RKE                                                      | True                         |  |
| Remote Start Present                                     | True                         |  |
| \$0214 Programmed by                                     | Programmed by Supplier EOL   |  |
| TPM Auto-Locate Enabled                                  | True                         |  |
| Keyless Go                                               | True                         |  |
| Passive Entry                                            | True                         |  |
| Hybrid Type                                              | PHEV                         |  |
| Module Configuration Status                              | True                         |  |
| Premium TPM                                              | True                         |  |
| Back Up ECU Configuration 16                             | True                         |  |
| Back Up ECU Configuration 14                             | True                         |  |
| Back Up ECU Configuration 7                              | True                         |  |



|                                              |      |  |
|----------------------------------------------|------|--|
| Back Up Vehicle Config 1                     | True |  |
| Back Up ECU Configuration 10                 | True |  |
| Back Up ECU Configuration 11                 | True |  |
| Back Up Vehicle Config 4                     | True |  |
| Back Up Vehicle Config 3                     | True |  |
| Back Up Customer Settings Menu 1 (CSM1)      | True |  |
| Back Up ECU Configuration 2                  | True |  |
| Back Up ECU Configuration 1                  | True |  |
| Back Up ECU Configuration 9                  | True |  |
| Back Up Programmed ECUs: Cabin Network       | True |  |
| Back Up Vehicle Config 5                     | True |  |
| Back Up ECU Configuration 3                  | True |  |
| Back Up Customer Settings Menu 2 (CSM2)      | True |  |
| Back Up Vehicle Config 6                     | True |  |
| Back Up ECU Configuration 12                 | True |  |
| Back Up Programmed ECUs: P/T Chassis Network | True |  |
| Back Up ECU Configuration 4                  | True |  |
| Back Up ECU Configuration 17                 | True |  |
| Back Up ECU Configuration 8                  | True |  |
| Back Up ECU Configuration 13                 | True |  |
| Back Up Vehicle Config 7                     | True |  |
| Back Up ECU Configuration 5                  | True |  |
| Back Up Vehicle Config 2                     | True |  |
| Back Up ECU Configuration 15                 | True |  |
| Back Up ECU Configuration 6                  | True |  |

## ORC CONFIGURATION

| NAME                                      | VALUE          | UNITS |
|-------------------------------------------|----------------|-------|
| First Row Driver Seatbelt Buckle Switch   | Configured     |       |
| Driver Seat Track Position Sensor         | Configured     |       |
| Second Row Left Seat Side Airbag          | Not Configured |       |
| Rollover Sensing                          | Configured     |       |
| Passenger Seatbelt Retractor Pretensioner | Configured     |       |
| Passenger Seatbelt Anchor Pretensioner    | Configured     |       |
| Driver Seatbelt Anchor Pretensioner       | Configured     |       |
| Left Side Seat Squib 1                    | Configured     |       |
| Driver Frontal Squib 3                    | Configured     |       |
| Passenger Seatbelt Load Limiter           | Configured     |       |
| Passenger Occupant Detection Sensor       | Not Configured |       |
| Passenger Seatbelt Buckle Pretensioner    | Not Configured |       |
| Second Row Left seat belt Switch          | Not Configured |       |
| Left B-Pillar Impact Acceleration Sensor  | Configured     |       |
| Right Up-Front Acceleration Sensor        | Configured     |       |
| Configuration Column Identifier           | A3             |       |

|                                            |                |  |
|--------------------------------------------|----------------|--|
| Passenger Airbag Disable Indicator         | Not Configured |  |
| Passenger Frontal Squib 1                  | Configured     |  |
| Driver Frontal Squib 1                     | Configured     |  |
| Passenger Frontal Squib 3                  | Configured     |  |
| Right Side Seat Squib 1                    | Configured     |  |
| Second Row Right seat belt Switch          | Not Configured |  |
| Left Up-Front Acceleration Sensor          | Configured     |  |
| Right Curtain Squib 1                      | Configured     |  |
| Left C-Pillar Impact Acceleration Sensor   | Configured     |  |
| Passenger Seat Track Position Sensor       | Configured     |  |
| Driver Knee Bolster Squib                  | Configured     |  |
| Occupant Classification (OCM)              | Configured     |  |
| Passenger Frontal Squib 2                  | Configured     |  |
| Driver Frontal Squib 4                     | Not Configured |  |
| Second Row Center seat belt Switch         | Not Configured |  |
| Left Curtain Squib 1                       | Configured     |  |
| Right Side Door Pressure Sensor            | Configured     |  |
| First Row Passenger Seatbelt Buckle Switch | Configured     |  |
| Right B-Pillar Impact Acceleration Sensor  | Configured     |  |
| Left D-Pillar Impact Acceleration Sensor   | Configured     |  |
| Right D-Pillar Impact Acceleration Sensor  | Configured     |  |
| Right C-Pillar Impact Acceleration Sensor  | Configured     |  |
| Driver Seatbelt Load Limiter               | Configured     |  |
| Driver Seatbelt Retractor Pretensioner     | Configured     |  |
| Second Row Right Seat Side Airbag          | Not Configured |  |
| Passenger Frontal Squib 4                  | Not Configured |  |
| Passenger Airbag Disable Switch            | Not Configured |  |
| Passenger Knee Bolster Squib               | Configured     |  |
| Driver Frontal Squib 2                     | Configured     |  |
| Left Side Door Pressure Sensor             | Configured     |  |
| EPPM                                       | Not Configured |  |
| Driver Seatbelt Buckle Pretensioner        | Not Configured |  |

## EPS CONFIGURATION

| NAME                                   | VALUE | UNITS |
|----------------------------------------|-------|-------|
| Stop/Start Feature Active              | False |       |
| Parallel Park Assist Feature Active    | True  |       |
| Dynamic Steering Torque Feature Active | True  |       |
| Lane Feedback Feature Active           | True  |       |

## HVAC CONFIGURATION

| NAME                         | VALUE                | UNITS |
|------------------------------|----------------------|-------|
| HVAC Configuration           | Dual Zone ATC + Rear |       |
| Single Zone MTC Control (BB) | False                |       |

|                                     |       |  |
|-------------------------------------|-------|--|
| DualZone ATC Control (BB)           | True  |  |
| Dual Zone MTC Control (BB)          | False |  |
| MTC Without EBL (3Knob)             | False |  |
| MTC With EBL (3Knob)                | False |  |
| DualZone ATC Control (Factory) (BB) | True  |  |
| MTC heater only (3Knob)             | False |  |

**PDM CONFIGURATION**

| NAME             | VALUE | UNITS |
|------------------|-------|-------|
| Frameless Window | False |       |

**PSDML CONFIGURATION**

| NAME        | VALUE | UNITS |
|-------------|-------|-------|
| VSIM Status | False |       |

**PSDMR CONFIGURATION**

| NAME                                         | VALUE | UNITS |
|----------------------------------------------|-------|-------|
| UPFM Status (Present = True, Absent = False) | False |       |

**MSM CONFIGURATION**

| NAME              | VALUE | UNITS |
|-------------------|-------|-------|
| Adjustable Pedals | False |       |
| Telescope/Tilt    | False |       |

**CSWM CONFIGURATION**

| NAME                  | VALUE      | UNITS |
|-----------------------|------------|-------|
| EC - Seat A           | Programmed |       |
| EC - Seat B           | Programmed |       |
| Vehicle Line W-Series | False      |       |
| Vehicle Line P-Series | False      |       |
| Vehicle Line L-Series | False      |       |
| Vehicle Line R-Series | True       |       |
| Heated Steering Wheel | True       |       |
| Vehicle Line M-Series | False      |       |
| Vehicle Line D-Series | False      |       |
| Vehicle Line U-Series | False      |       |
| Vehicle Line J-Series | False      |       |

**AMP CONFIGURATION**

| NAME                                 | VALUE                                      | UNITS |
|--------------------------------------|--------------------------------------------|-------|
| Current ANC Calibration ID - Service | RU PHEV 3.6L: Tripane Sunroof & Harman AMP |       |
| ANC Status                           | Off - Door Mute                            |       |
| Left/Right Hand Drive                | Left Hand Drive                            |       |

|                                    |                   |  |
|------------------------------------|-------------------|--|
| Current EQ Checksum                | F2 05 09 57       |  |
| Premium - 3                        | True              |  |
| Premuim - 1 (8 channel)            | False             |  |
| Premuim - 2 (12 Channel)           | False             |  |
| Non -ANC                           | False             |  |
| Teen Key Present                   | False             |  |
| Sub-EQ Set Selected                | Sub-EQ#2 Selected |  |
| Cabin Equalization Curve Number    | 53                |  |
| Surround Sound Activated           | Not Set           |  |
| ANC Calibration Date - Year        | 18                |  |
| ANC Calibration Date - Week        | 45                |  |
| ANC Calibration Date - Patch Level | 2                 |  |
| Door Module - Right Rear           | Present           |  |
| Door Module - Left Front           | Present           |  |
| Door Module - Left Rear            | Present           |  |
| Door Module - Right Front          | Present           |  |

### IPC CONFIGURATION

| NAME          | VALUE | UNITS |
|---------------|-------|-------|
| PHEV          | True  |       |
| Rear Fog Lamp | False |       |

### PTS CONFIGURATION

| NAME                              | VALUE                    | UNITS |
|-----------------------------------|--------------------------|-------|
| Front License Plate Configuration | Front Plate Config - USA |       |
| Front System with 6 Rear Sensors  | True                     |       |
| Rear System with 6 Front Sensors  | True                     |       |

### SCCM CONFIGURATION

| NAME                 | VALUE | UNITS |
|----------------------|-------|-------|
| Rear Wiper           | True  |       |
| Paddle Shifter       | False |       |
| Cruise Control / ACC | True  |       |
| Tilt Telescope       | False |       |

### BCM CONFIGURATION

| NAME                                          | VALUE         | UNITS |
|-----------------------------------------------|---------------|-------|
| Number of Reprogramming Attempts - Counter #0 | 1             |       |
| Vehicle Configuration Programmed Status       | True          |       |
| Last Programmed Status                        | Manufacturing |       |
| Vehicle Configuration 7 - Write Counter       | 3             |       |
| ECU Configuration 15 (CBC Features)           | 3             |       |
| ECU Configuration 9A                          | 3             |       |
| ECU Configuration 15 (Suspension)             | 3             |       |

|                                                               |                                              |       |
|---------------------------------------------------------------|----------------------------------------------|-------|
| ECU Configuration 12                                          | 3                                            |       |
| ECU Configuration 4                                           | 3                                            |       |
| ECU Configuration 13                                          | 3                                            |       |
| ECU Configuration 14                                          | 3                                            |       |
| Vehicle Configuration 5 - Write Counter                       | 3                                            |       |
| Programmed ECUs: P/T Chassis Network                          | 3                                            |       |
| ECU Configuration 5 (Memory)                                  | 3                                            |       |
| ECU Configuration 10                                          | 3                                            |       |
| Vehicle Configuration 2 - Write Counter                       | 3                                            |       |
| ECU Configuration 7 (CBC Exterior Lighting Calibrations)      | 3                                            |       |
| ECU Configuration 6 (Safety)                                  | 3                                            |       |
| Vehicle Configuration 3 - Write Counter                       | 3                                            |       |
| Programmed Network Configuration - Audio / Telematics Network | 0                                            |       |
| ECU Configuration 2 (CBC Features)                            | 3                                            |       |
| ECU Configuration 1 (CBC Configurable Inputs and Outputs)     | 3                                            |       |
| ECU Configuration 6 (Suspension)                              | 3                                            |       |
| ECU Configuration 5 (Wireless)                                | 3                                            |       |
| ECU Configuration 11                                          | 3                                            |       |
| ECU Configuration 8 (LIN and Miscellaneous )                  | 3                                            |       |
| Vehicle Config CSM2                                           | 3                                            |       |
| Vehicle Configuration Auto Write Counter                      | 1                                            |       |
| ECU Configuration 6 (Powertrain)                              | 3                                            |       |
| Vehicle Configuration 6 - Write Counter                       | 3                                            |       |
| ECU Configuration 3                                           | 3                                            |       |
| Vehicle Configuration 1 - Write Counter                       | 3                                            |       |
| Last Configuration Odometer                                   | 0                                            | miles |
| ECU Configuration 9 (ITM)                                     | 3                                            |       |
| ECU Configuration 6 (Brake)                                   | 3                                            |       |
| ECU Configuration 5 (Doors)                                   | 3                                            |       |
| Programmed ECUs: Cabin Network                                | 3                                            |       |
| Programmed ECUs: Hybrid LAN Network                           | 0                                            |       |
| Vehicle Configuration 4 - Write Counter                       | 3                                            |       |
| Vehicle Config CSM1                                           | 3                                            |       |
| Auto Highbeam                                                 | Set                                          |       |
| Select Speed Control Feature Present                          | Not Set                                      |       |
| Model Year                                                    | 2021                                         |       |
| Shifter Type                                                  | 5 Position Rotary Eshifter PRNDL / Type RS5L |       |
| Emode Present                                                 | Not Set                                      |       |
| Remote Start Present                                          | Set                                          |       |
| PTS Configuration                                             | Semi Automatic / Semi Automatic              |       |
| Maximum Vehicle Speed                                         | 0                                            | MPH   |
| Special Packages                                              | 74                                           |       |
| Hill Descent Feature Present                                  | Not Set                                      |       |
| Performance Pages Present                                     | Not Present                                  |       |

|                                        |                             |         |
|----------------------------------------|-----------------------------|---------|
| Left/Right Hand Drive                  | Left Hand Drive             |         |
| Body Style                             | Station Wagon               |         |
| Drive Configuration                    | 2WD Front                   |         |
| Vehicle Line                           | RU                          |         |
| Country Code                           | USA                         |         |
| Thatcham Present                       | Not Set                     |         |
| Off Road Capable                       | Not Set                     |         |
| Special Packages IC                    | Pacifica                    |         |
| Power Inverter Type                    | No Power Inverter           |         |
| Max Load Inflation Pressure Rear Tire  | 36.0                        | PSI     |
| Max Load Inflation Pressure Front Tire | 36.0                        | PSI     |
| Cruise Feature is Present              | Not Set                     |         |
| Rain Sensor Present                    | Set                         |         |
| Flipper Glass Present                  | Not Set                     |         |
| Air Conditioning Present               | Not Set                     |         |
| SKIM System Present                    | Not Set                     |         |
| Full Size Spare                        | Not Set                     |         |
| Two Fuel Sending Units Present         | Not Set                     |         |
| Premium TPM system present             | Set                         |         |
| Fuel Capacity                          | 17                          | gallons |
| Chassis Type                           | Type 8                      |         |
| Power Left Sliding Door Present        | Set                         |         |
| Passive Entry Present                  | Set                         |         |
| Liftgate/Trunk Type                    | Power Liftgate              |         |
| T-Case Type                            | Not Present / Not Present   |         |
| Auto Park Present                      | Set                         |         |
| Door Alert Feature Present             | Not Set                     |         |
| FOBIK Safe Enable                      | Set                         |         |
| Vehicle Brand                          | Chrysler                    |         |
| HVAC Configuration                     | Dual Zone ATC + Rear        |         |
| Base TPM system present                | Not Set                     |         |
| Vehicle is an SRT                      | Not Set                     |         |
| Auto Headlamp Feature Present          | Set                         |         |
| Collision Mitigation System present    | Set                         |         |
| Display Compass Heading Present        | Set                         |         |
| Paddle Shift Feature Present           | Not Set                     |         |
| Window Express Feature Configuration   | All windows express feature |         |
| RKE System Present                     | Set                         |         |
| Disable Display of Radio Clock         | Not Set                     |         |
| High Intensity Discharge Head Lamps    | Set                         |         |
| Power Right Sliding Door Present       | Set                         |         |
| Display Outside Temperature Present    | Set                         |         |
| Forward Collision Warning present      | Set                         |         |
| ELV Present                            | Not Set                     |         |

|                                                                                                    |                                   |         |
|----------------------------------------------------------------------------------------------------|-----------------------------------|---------|
| Wheel Base                                                                                         | Wheel base not programmed / WB_NP |         |
| Police Lighting Feature                                                                            | Not Set                           |         |
| Keyless Go Present                                                                                 | Set                               |         |
| Secondary Lock Present                                                                             | Not Set                           |         |
| ESCL system present                                                                                | Not Set                           |         |
| Sport Mode Present                                                                                 | Not Set                           |         |
| Adjustable Pedal Feature Present (non-Memory)                                                      | Not Set                           |         |
| Transfer Case High Ratio                                                                           | 1.000                             | No Unit |
| Dynamic Tire Circumference (All or Rear)                                                           | 89                                | inch    |
| Axle Ratio                                                                                         | 3.251                             |         |
| Transfer Case Low Range Reduction Ratio                                                            | 0.000                             |         |
| Steering Ratio at Negative Angle 1                                                                 | 0.0                               | No Unit |
| Analog Door Sensor Configuration                                                                   | Driver Door Only Analog Sensor    |         |
| Air Quality System Present                                                                         | Not Set                           |         |
| Connector D Pin 11: Stop/Turn Trailer Tow Left Output Present                                      | Not Set                           |         |
| Connector D Pin 12: PHEV ECM Hardwire Wake Up Output Present                                       | Set                               |         |
| Connectro E Pin 37: Right HID Control Output Present                                               | Not Set                           |         |
| Connector E Pin 29: Rear Wiper Motor Park Signal Present                                           | Set                               |         |
| Connector D Pin 9: Trailer Tow Backup Output Present                                               | Not Set                           |         |
| Connector E Pin 3/Connector F Pin 42: Rear Turn Lamps Output Present                               | Not Set                           |         |
| Connector E Pin 41: Charge Port Unlock Output Present                                              | Set                               |         |
| Connector E Pin 11: Vacuum Switch Input                                                            | Not Set                           |         |
| Connector F Pin 9: Analog Door Ajar Signal Front Driver Present                                    | Set                               |         |
| Connector G Pin 15: UGDO Feed Output Present                                                       | Set                               |         |
| Connector F Pin 23: Door Lock Switch Signal Front Passenger Present                                | Set                               |         |
| Connector E Pin 39/Connector F Pin 5: Rear Fog Lamps Output Present                                | Not Set                           |         |
| Connector E Pin 4/Connector F Pin 32: Rear Park Lamps Output Present                               | Set                               |         |
| Connector F Pin 8 : Liftgate Release Outside Handle Switch Present                                 | Not Set                           |         |
| Connector E Pin 34: Vacuum Cleaner Relay Output Present                                            | Not Set                           |         |
| Connector F Pin 4: Liftgate Release Present                                                        | Not Set                           |         |
| Connector E Pin 5: PHEV Fuel Door Switch Input                                                     | Set                               |         |
| Connector D Pin 22/ Connector D Pin 23: Ambient Temperature Signal/Return Present                  | Set                               |         |
| Connector A Pin 3/Connector D Pin 2: Low Beam Output Present                                       | Set                               |         |
| Connector E Pin 8: PHEV HCP Hardwire Wakeup                                                        | Set                               |         |
| Connector E Pin 42: Charge Port Lock Output Present                                                | Set                               |         |
| Connector G Pin 9: Ambient Light Dimmer Wheel Input Present                                        | Set                               |         |
| Connector E Pin 48 (Tied internally to Connector A Pin16): Rear Wiper Motor Control Output Present | Set                               |         |
| Connector F Pin 6: Fuel Door Motor Output Signal Present                                           | Set                               |         |
| Connector E Pin 7: Left HID Relay Control Output Present                                           | Not Set                           |         |
| Connector F Pin 29: Horn Switch Present                                                            | Set                               |         |

|                                                                                    |                                      |  |
|------------------------------------------------------------------------------------|--------------------------------------|--|
| Connector D Pin 10: Trailer Tow Tail Lamp Output Present                           | Not Set                              |  |
| Connector F Pin 35: Inverter Enable Relay Output Present                           | Set                                  |  |
| Connector A Pin 10/Connector D Pin 5: Side Markers Output Present                  | Set                                  |  |
| Connector G Pin 22: VTA Warning LED Output Present                                 | Set                                  |  |
| Connector G Pin 24 (Internally tied to Connector F Pin 7): Ambient Lighting Output | Set                                  |  |
| Connector E Pin 9: Run-ACC Y Relay #2 Output Present                               | Set                                  |  |
| Connector D Pin 7: Stop/Turn Trailer Tow Right Output Present                      | Not Set                              |  |
| Connector A Pin 11: Hood Ajar Switch Input Present                                 | Set                                  |  |
| Tunnel Detection                                                                   | Not Set                              |  |
| LED Rear Turn Lamps Present                                                        | Not Set                              |  |
| Dual Start Relay System Present                                                    | Not Set                              |  |
| LED Front Fog Lamps Present                                                        | Set                                  |  |
| Bi Xenon Headlamps Enable                                                          | Not Set                              |  |
| Fuel Door Release Enabled                                                          | Not Present                          |  |
| Fuel Door Present                                                                  | Not Set                              |  |
| Front Wiper Park Enable                                                            | Set                                  |  |
| LED Dedicated DRL Present                                                          | Not Set                              |  |
| Hazard Lamp Configuration                                                          | Latching Switch                      |  |
| Park Lamp Loadshed Enable                                                          | Set                                  |  |
| LED Front Turn Lamps Present                                                       | Not Set                              |  |
| LED Low Beam Lamps Present                                                         | Set                                  |  |
| DRL Dropout Enable                                                                 | Not Set                              |  |
| One Touch Lane Change                                                              | Set                                  |  |
| Intermittent Wiper States                                                          | 4 Intermittent Wiper position Switch |  |
| Reversible Washer Pump Enable                                                      | Set                                  |  |
| Headlamp Washer Low Fluid Shut-Off Enable                                          | Set                                  |  |
| Headlamp Wash Spray Duration (at 100 ms intervals)                                 | 1100ms                               |  |
| Trailer Tow Present                                                                | Not Set                              |  |
| LED Rear Fog Lamps Present                                                         | Not Set                              |  |
| Front Wiper Wipes After Wash                                                       | 2 Wipes                              |  |
| DRL Lamp Location                                                                  | Low Beam DRL                         |  |
| Rear Wiper Park Enable                                                             | Set                                  |  |
| Exterior Light Loadshed Enable                                                     | Set                                  |  |
| Side Repeaters Enable                                                              | Not Set                              |  |
| Headlamp Wash Interval                                                             | wash cycle#11                        |  |
| LED License Lamps Present                                                          | Set                                  |  |
| LED Tail Lamps Present                                                             | Set                                  |  |
| LED Reverse Lamps Present                                                          | Not Set                              |  |
| Combined Front Park/Turn Feature Enable                                            | Not Set                              |  |
| Wiper Service Position Enabled                                                     | Not Set                              |  |
| Illuminated approach Enabled                                                       | Not Set                              |  |
| LED Stop Lamps Present                                                             | Not Set                              |  |
| LED CHMSL Lamp Present                                                             | Set                                  |  |
| Horn Chirp Allowed                                                                 | Set                                  |  |



|                                            |                                         |  |
|--------------------------------------------|-----------------------------------------|--|
| DRL Configuration                          | No DRL                                  |  |
| Tip Start Enabled                          | Set                                     |  |
| Front Fog Lamp Dropout Enable              | Set                                     |  |
| LED High Beam Lamps Present                | Set                                     |  |
| LED Front Park/Marker Lamps Present        | Set                                     |  |
| Combined Rear Lighting Enable              | Set                                     |  |
| Headlamp Wash Shot                         | double                                  |  |
| Quad Headlamps Enable                      | Set                                     |  |
| Front Heated Seats Present                 | Set                                     |  |
| Destination                                | United States of America                |  |
| Splashscreen Type                          | Vehicle Brand                           |  |
| Microphone Type                            | Peiker 300 mv                           |  |
| Surround Sound Feature Present             | Set                                     |  |
| External Port Type                         | AUX + USB + extra USB                   |  |
| Rear Camera Present                        | Not Set                                 |  |
| Microphone Configuration                   | 2 Microphones                           |  |
| Heated Steering Wheel Present              | Set                                     |  |
| Front Park Assist Present                  | Set                                     |  |
| Disable CD Eject                           | Not Set                                 |  |
| Microphone Tuning Parameter                | Absent [Not Used]                       |  |
| Power Inverter Present                     | Not Set                                 |  |
| Cabin Equilization Curve Number            | RU Premium System - Harman 12ch         |  |
| Power Door Locks Present                   | Set                                     |  |
| Antenna Type                               | Active Primary and no secondary antenna |  |
| Fleet Vehicle Content                      | Not Set                                 |  |
| AP2 Right Front                            | Smart Switch                            |  |
| Vehicle Variant                            | Undefined                               |  |
| AP3 Left Rear                              | CAN                                     |  |
| AP4 Right Rear                             | CAN                                     |  |
| AP5 Trunk Lock                             | Simple Switch                           |  |
| Tip Start Present                          | Set                                     |  |
| Airport Scenario Trunk                     | Not Set                                 |  |
| AP1 Left Front                             | Smart Switch                            |  |
| AP5 Trunk Unlock                           | CAN                                     |  |
| Puddle Lamp Present                        | Not Set                                 |  |
| Passenger Memory Mirror Present            | Set                                     |  |
| Mirror turn signals present                | Set                                     |  |
| Window Motor Type                          | Not Set                                 |  |
| Electro-chromatic passenger mirror present | Not Set                                 |  |
| Tow Mirror Present                         | Not Set                                 |  |
| Sun Shade                                  | Not Set                                 |  |
| Rear Door Pre Short Drop                   | Not Set                                 |  |
| Blindspot Mirror Present                   | Set                                     |  |
| Passenger Window Lockout                   | Not Set                                 |  |

|                                                                                                    |                                                 |         |
|----------------------------------------------------------------------------------------------------|-------------------------------------------------|---------|
| Global Up                                                                                          | Not Set                                         |         |
| Driver Memory Mirrors Present                                                                      | Set                                             |         |
| Folding mirrors present                                                                            | Set                                             |         |
| Heated Mirrors Present                                                                             | Set                                             |         |
| Global Down                                                                                        | Not Set                                         |         |
| Window Hall Sensors Present                                                                        | Not Set                                         |         |
| Frameless Window Present                                                                           | Not Set                                         |         |
| Electro-chromatic driver mirror present                                                            | Set                                             |         |
| Heated Steering Wheel Present                                                                      | Present                                         |         |
| Rear Heated Seats Present                                                                          | Not Present                                     |         |
| Tilt/Telescope Steering Present                                                                    | Not Set                                         |         |
| Driver Memory Seat Present                                                                         | Set                                             |         |
| Stow 'n Assist Present - Driver                                                                    | Set                                             |         |
| Heated Wheel Material Type                                                                         | Full Leather                                    |         |
| Heated Seat Material Type                                                                          | Base Leather                                    |         |
| Stow 'n Assist Present - Passenger                                                                 | Set                                             |         |
| Memory Adjustable Pedals Present                                                                   | Not Set                                         |         |
| Front Vented Seats Present                                                                         | Present                                         |         |
| Brake System ECU Configuration A                                                                   | value 0                                         |         |
| Dual Alternator Present                                                                            | Not Set                                         |         |
| ECO Mode Configuration                                                                             | Remember Previous State with Ignition Key Cycle |         |
| Auto High Beam Module Location                                                                     | HaLF                                            |         |
| Heatsoak Speed                                                                                     | 15                                              | Counter |
| Connector F Pin 37: Vacuum Cleaner Power Saver Indicator                                           | Not Present                                     |         |
| Connector F Pin 13: Left Sliding Door Switch Input (B-Pillar)                                      | Left B-Pillar sliding Door Switch               |         |
| Connector F Pin 29: Horn Switch Present                                                            | Horn Switch Input                               |         |
| Connector E Pin 39: Right Rear Turn Signal                                                         | Right Rear Turn Signal                          |         |
| Connctor F Pin 33: Fuel Door Unlock (BUX)                                                          | Not Present                                     |         |
| Max Engine Off Time                                                                                | 220                                             | Time    |
| Ambient Stable Counter Limit                                                                       | 40                                              | Counter |
| Connector E Pin 3: Left Rear Turn Signal                                                           | Left Rear Turn Signal                           |         |
| Connector F Pin 34: Spare HSD                                                                      | Not Present                                     |         |
| Connector E Pin 48 (Tied internally to Connector A Pin16): Rear Wiper Motor Control Output Present | Rear Wiper (0)                                  |         |
| Engine Off Clear Time                                                                              | 180                                             | Time    |
| Connector E Pin 28: Secondary Door Ajar Switch Present - PIN E-28                                  | Set                                             |         |
| Manual Door Locks Present                                                                          | Not Set                                         |         |
| License Plate Lamp Disable                                                                         | Not Set                                         |         |
| Rain Sensor Module #2 Present                                                                      | Set                                             |         |
| CHMSL Lamp Output Disable                                                                          | Not Set                                         |         |
| Connector F Pin 30: Fuel Door Lock (BUX)                                                           | Not Present                                     |         |
| Connector G Pin11/Connector G Pin 12: Not Used                                                     | ERS                                             |         |
| Connector F Pin 14: Right Sliding Door Switch Input (B-Pillar)                                     | Right B-Pillar Sliding Door Switch              |         |
| Humidy Sensor Long Present                                                                         | Set                                             |         |

|                                                   |                                         |      |
|---------------------------------------------------|-----------------------------------------|------|
| Heatsoak Flush Time                               | 105                                     | Time |
| Heatsoak Set Time                                 | 15                                      | Time |
| Connector F Pin 15: Driver Door Lock Switch Input | Not Present                             |      |
| Excess Longitudinal Acceleration Factor           | Filter Off                              |      |
| Nose Dive Threshold                               | Filter Off                              |      |
| Acceleration Factor                               | Filter Off                              |      |
| Maximum Lateral Change                            | Filter Off                              |      |
| Steering Smoothing Factor                         | Filter Off                              |      |
| Average Last Lateral Acceleration Values          | No Averaging                            |      |
| Acceleration Threshold                            | Filter Off                              |      |
| Brake Smoothing Threshold                         | Filter Off                              |      |
| Steering Smoothing Duration                       | Filter Off                              |      |
| Brake Smoothing Duration                          | Filter Off                              |      |
| Maximum Longitudinal Change                       | Filter Off                              |      |
| Steering Smoothing Threshold                      | Filter Off                              |      |
| Average Last Longitudinal Acceleration Values     | No Averaging                            |      |
| Excess Lateral Acceleration Factor                | Filter Off                              |      |
| Nose Dive Factor                                  | Filter Off                              |      |
| Brake Smoothing Factor                            | Filter Off                              |      |
| Auto High Beam ON Threshold                       | 25 km/hr                                |      |
| Horn Chirp Duration                               | Short                                   |      |
| Parking Light Enable                              | Not Set                                 |      |
| PE Auto-Relock Feature Enable                     | Set                                     |      |
| Interior Lighting Night Threshold                 | 4.45147                                 | Volt |
| Headlamp Soak Delay                               | 1.0 sec                                 |      |
| RKE Auto-Relock Feature Enable                    | Not Set                                 |      |
| Interior Lighting Day Threshold                   | 4.27498                                 | Volt |
| VTA Hood Ajar Monitoring                          | Not Set                                 |      |
| Auto High Beam OFF Threshold                      | 20 km/hr                                |      |
| Sunroof Present                                   | Set                                     |      |
| Temperature Display Resolution                    | HaLF                                    |      |
| TPMS Configuration                                | Logic 1 NHTSA Enable Warning            |      |
| Smart Alternator Present                          | Not Set                                 |      |
| Radio Speaker Open Circuit Disable (RR)           | Not Set                                 |      |
| Surround View Camera On/Off Softkey Present       | Set                                     |      |
| Radio Speaker Open Circuit Disable (LR)           | Not Set                                 |      |
| Radio Speaker Open Circuit Disable (LF)           | Not Set                                 |      |
| Automatic Crash Notification Feature Present      | Undefined                               |      |
| Auto Dimming Mirror Hard Button Present           | Set                                     |      |
| Show Phone Information in Cluster                 | 01                                      |      |
| ANC Calibration Parameter Data Set                | RU_PHEV_3.6L_tripane_SunRoof_Harman_AMP |      |
| Drive Mode Version                                | Version 1                               |      |
| Radio Speaker Open Circuit Disable (RF)           | Not Set                                 |      |
| Park Assist Tuning Set                            | BUX Front and Rear Only                 |      |

|                                                          |              |         |
|----------------------------------------------------------|--------------|---------|
| IBS Present                                              | Set          |         |
| Auto Relock Time                                         | 60           | seconds |
| EVIC SWS Module Present                                  | Set          |         |
| Alert On Search Timeout                                  | Set          |         |
| HFRM Present                                             | Set          |         |
| Humidity Sensor Present                                  | Set          |         |
| Compass Mounting Angle                                   | 0            | Degree  |
| Panic Enable                                             | Set          |         |
| Compass Mounting Orientation                             | Rightside up |         |
| Fobik Safe Alerts Per Ignition Cycle                     | 2            |         |
| OHC Module Present                                       | Set          |         |
| Washer Fluid Level Voltage Threshold                     | 4.46 volts   |         |
| Alert no Reply                                           | Set          |         |
| Illuminated Approach Taillamp Target Percentage          | 125 (62.5%)  |         |
| Illuminated Approach Headlamp Target Percentage          | 125 (62.5%)  |         |
| Illuminated Approach Interior Lighting Ramp Up Time      | 130(2600ms)  |         |
| CRVMM Present                                            | Set          |         |
| Alert On System Fault                                    | Set          |         |
| VTA System Present                                       | VTA          |         |
| Illuminated Approach Interior Lighting Target Percentage | 100(50%)     |         |
| ESM                                                      | Set          |         |
| ECM                                                      | Set          |         |
| BPCM                                                     | Set          |         |
| AHCP                                                     | Set          |         |
| APM                                                      | Set          |         |
| HCP                                                      | Set          |         |
| ORC                                                      | Set          |         |
| ESC                                                      | Set          |         |
| EAC                                                      | Set          |         |
| EBCM                                                     | Set          |         |
| OBCM                                                     | Set          |         |
| ESL                                                      | Not Set      |         |
| ABS                                                      | Not Set      |         |
| PTS                                                      | Set          |         |
| FFCM                                                     | Set          |         |
| BCM (PT)                                                 | Set          |         |
| SCCM                                                     | Set          |         |
| IPC                                                      | Set          |         |
| OCM                                                      | Set          |         |
| ABSO                                                     | Set          |         |
| HCP                                                      | Set          |         |
| PCM                                                      | Set          |         |
| ESM                                                      | Set          |         |
| TCM                                                      | Not Set      |         |

|                                             |                               |      |
|---------------------------------------------|-------------------------------|------|
| EPS                                         | Set                           |      |
| ACC                                         | Set                           |      |
| AHLM                                        | Not Set                       |      |
| ORC                                         | Set                           |      |
| RFH                                         | Set                           |      |
| ANC                                         | Not Set                       |      |
| HVAC                                        | Set                           |      |
| EOMR                                        | Set                           |      |
| BCM (Interior Bus)                          | Set                           |      |
| DDM                                         | Set                           |      |
| PLGM                                        | Set                           |      |
| ITM                                         | Not Set                       |      |
| HVACR                                       | Set                           |      |
| Radio                                       | Set                           |      |
| FSM                                         | Not Set                       |      |
| CVPM                                        | Set                           |      |
| DSM                                         | Set                           |      |
| HSM                                         | Set                           |      |
| PSDML                                       | Set                           |      |
| PSDMR                                       | Set                           |      |
| AMP                                         | Set                           |      |
| ICS                                         | Set                           |      |
| DMRL                                        | Set                           |      |
| PDM                                         | Set                           |      |
| MSMP                                        | Set                           |      |
| EDM                                         | Set                           |      |
| DMRR                                        | Set                           |      |
| VTM                                         | Not Set                       |      |
| MSM                                         | Set                           |      |
| EAM                                         | Set                           |      |
| DTV                                         | Not Set                       |      |
| VRM                                         | Set                           |      |
| Right Rear Corner Voltage                   | 14 Volts                      |      |
| Right Front Corner Voltage                  | 13.4 Volts                    |      |
| Front Park/Turn Voltage                     | Park to Turn ratio 55 Percent |      |
| Auto Headlamp Off Threshold                 | 2.54930                       | Volt |
| Auto Headlamp On Threshold                  | 3.31409                       | Volt |
| Left Rear Corner Voltage                    | 14 Volts                      |      |
| Left Low Beam Voltage Regulation            | 13.6 Volts                    |      |
| Left High Beam Voltage Regulation           | 13.6 Volts                    |      |
| Left Front Corner Voltage                   | 13.2 Volts                    |      |
| Right High Beam Voltage Regulation          | 13.8 Volts                    |      |
| Right Low Beam Voltage Regulation           | 14 Volts                      |      |
| Rear View Camera Dynamic Grid Lines Enabled | Not Set                       |      |

|                                                     |                                           |         |
|-----------------------------------------------------|-------------------------------------------|---------|
| Rear View Camera Static Grid Lines Enabled          | Not Set                                   |         |
| Headlamps on with Wipers                            | Set                                       |         |
| Sound Horn on Lock                                  | Set                                       |         |
| Flash Lamps on Lock                                 | Set                                       |         |
| Auto Lock                                           | Set                                       |         |
| Sound Horn On Lock Status                           | Chirp on 1st press/FIRST                  |         |
| Daytime Running Lamps                               | Set                                       |         |
| Sound Horn on Remote Start                          | Set                                       |         |
| Headlamp Delay Time                                 | 30                                        | seconds |
| Sliding Door Alert                                  | Not Set                                   |         |
| Auto Wipers                                         | Set                                       |         |
| Accessory Delay Time                                | 45                                        | seconds |
| Auto Highbeam                                       | Set                                       |         |
| Hands Free Sliding Door Enable                      | Set                                       |         |
| Unlock all doors on 1st press                       | Set                                       |         |
| Auto Unlock                                         | Set                                       |         |
| Illuminated Approach Time                           | 30                                        | seconds |
| Sliding Door Chime Enable                           | Set                                       |         |
| Siren                                               | Not Set                                   |         |
| Tilt                                                | Not Set                                   |         |
| Ultrasonics                                         | Not Set                                   |         |
| Passive Ped Pro Present                             | False                                     |         |
| Tow Hooks Present                                   | False                                     |         |
| Integrated EPP Present                              | False                                     |         |
| Passenger Kneebag Present                           | True                                      |         |
| ODS Present                                         | False                                     |         |
| BUX Market                                          | False                                     |         |
| Curtain Airbags Present                             | True                                      |         |
| Driver Kneebag Present                              | True                                      |         |
| 1st Row Seat Side Airbags Present                   | True                                      |         |
| Connector A Pin 2: Right High Beam Feed             | AUX High Beam                             |         |
| Connector D Pin 12: PHEV ECM Hardwire Wake Up       | Engine Control Module Wake up (PHEV only) |         |
| Connector E Pin 39: Right Rear Fog Lamp             | Output Disable                            |         |
| Connector F Pin 25: Left Rear Turn Lamp Fault Sense | Disable                                   |         |
| Connector F Pin 29: Horn Switch Input               | Horn Switch Input                         |         |
| Connector F Pin 42: Right Rear Turn Signal          | Right Rear Turn Signal                    |         |
| Connector F Pin 41: Backup-Reverse lamp Left        | Not Set                                   |         |
| Connector E Pin 5: E-5 PHEV Fuel Door Switch Input  | PHEV Fuel Door Switch                     |         |
| Stop/Start Enable Switch Present                    | Not Set                                   |         |
| Connector F Pin 31: Right Sliding Door Ajar         | Right Sliding Door Ajar                   |         |
| Connector E Pin 3: Left Rear Turn Signal            | Left Rear Turn Signal                     |         |
| Connector D Pin 1: Left High Beam Feed              | AUX High Beam                             |         |
| Connector F Pin 27: Left Sliding Door Ajar          | Left Sliding Door Ajar                    |         |
| Connector E Pin 29: Rear Wiper Motor Park Signal    | Reserved                                  |         |

|                                                      |                                               |        |
|------------------------------------------------------|-----------------------------------------------|--------|
| Connector D Pin 21: Brake Fluid Level Switch         | no parallel resistor                          |        |
| Connector E Pin 37: Right HID Relay Control          | Right HID Lamp Relay                          |        |
| Connector E Pin 7: Left HID Relay Control            | Left HID Lamp Relay                           |        |
| Connector F Pin 5: Left Rear Fog Lamp                | Output Disable                                |        |
| Connector F Pin 28: Right Rear Turn Lamp Fault Sense | Disable                                       |        |
| Connector E Pin 1: Backup-Reverse lamp Right         | Set                                           |        |
| Connector A Pin 11: Hood Ajar Switch Signal          | 500 ohm series and 500 ohm parallel resistors |        |
| Connector F Pin 4: Liftgate Release                  | Trunk/Liftgate Release                        |        |
| Battery Type II                                      | 22                                            |        |
| IBS Minimum Voltage Limit                            | 5.0                                           | Volts  |
| IBS Quiescence Current Limit                         | -250                                          | mA     |
| IBS Minimal Charge Limit                             | 10                                            | AmpHrs |
| IBS Minimum Charge Limit                             | 600                                           | mA     |
| Battery Types                                        | SNA                                           |        |
| IBS Activate MWU                                     | Not Set                                       |        |

## RADIO CONFIGURATION

| NAME                                          | VALUE        | UNITS   |
|-----------------------------------------------|--------------|---------|
| GPS on the Bus messaging Authorization        | —            |         |
| Compass on the bus messaging Authorization    | —            |         |
| Suspend Month                                 | 44           |         |
| Satellite Subscription ID                     | ?????AV      |         |
| Satellite Subscription Status                 | 58           |         |
| Reason Code                                   | 57           |         |
| Suspend Year                                  | 4D           |         |
| Suspend Day                                   | 4C           |         |
| Enumerated USB Devices                        | 0            | No Unit |
| SD Card Readers Detected                      | 0            | No Unit |
| Aux Jack                                      | Not Inserted |         |
| USB Hubs Detected                             | 3            | No Unit |
| Stereo Blend                                  | Off          |         |
| Cabin EQ Curve Number Currently Used by Radio | 223          | events  |
| High Cut                                      | Off          |         |
| Anti-Theft Enable Status                      | On           |         |
| Front Seat Video Playback                     | Disabled     |         |
| Automated Loudness                            | Off          |         |
| Clock Defeat                                  | On           |         |
| Distortion Limiting                           | Off          |         |
| 12/24 Time Selection                          | 12 Hour Time |         |
| Splash Screen                                 | Automatic    |         |

## HVACR CONFIGURATION

| NAME                       | VALUE | UNITS |
|----------------------------|-------|-------|
| Dual Zone MTC Control (BB) | False |       |

|                                     |       |  |
|-------------------------------------|-------|--|
| MTC heater only (3Knob)             | False |  |
| DualZone ATC Control (BB)           | False |  |
| MTC w EBL (3Knob)                   | False |  |
| MTC wo EBL (3Knob)                  | False |  |
| Single Zone MTC Control (BB)        | False |  |
| DualZone ATC Control (Factory) (BB) | False |  |

**LBSS CONFIGURATION**

| NAME                       | VALUE                | UNITS |
|----------------------------|----------------------|-------|
| Steering (LHD/RHD)         | Left Hand Drive/ LHD |       |
| CFG FEATURE                | CFG_NONE             |       |
| Teen Key (RU variant only) | Yes                  |       |

**RBSS CONFIGURATION**

| NAME                       | VALUE                | UNITS |
|----------------------------|----------------------|-------|
| Teen Key (RU variant only) | Yes                  |       |
| Steering Variant (LHD/RHD) | Left Hand Drive/ LHD |       |

**FFCM CONFIGURATION**

| NAME              | VALUE          | UNITS |
|-------------------|----------------|-------|
| XCP Enabled       | False          |       |
| Traceability info | 22203300049803 |       |
| Traceability info | 02203294515913 |       |
| HIL mode Enabled  | False          |       |

**EDM CONFIGURATION**

| NAME                                 | VALUE       | UNITS |
|--------------------------------------|-------------|-------|
| Intrusion module                     | Not Present |       |
| Blind-Spot Module                    | Not Present |       |
| Video Ent. System Screen 1 Module    | Not Present |       |
| Heating Ventilation Air Conditioning | Not Present |       |
| Integrated Center Stack Module       | Not Present |       |
| Passenger Door Control Module        | Not Present |       |
| Vehicle System Interface Module      | Not Present |       |
| Rear Body Controller Module          | Not Present |       |
| Convergence Telematics Module        | Not Present |       |
| Driver Door Control Module           | Not Present |       |
| CAN I in-dash disc player module     | Present     |       |
| Right Rear Door Control Module       | Not Present |       |
| Left Power Sliding Door Module       | Not Present |       |
| Common Body Controller Int Bus       | Not Present |       |
| Left Rear Door Control Module        | Not Present |       |
| Memory Seat Module                   | Not Present |       |
| Amplifier Module                     | Not Present |       |



|                                   |                |  |
|-----------------------------------|----------------|--|
| Comfot Seats and Wheel Module     | Not Present    |  |
| Power Liftgate Module             | Not Present    |  |
| Power Top Control Module          | Not Present    |  |
| Right Power Sliding Door Module   | Not Present    |  |
| Folding Seat Module               | Not Present    |  |
| Video Ent. System Screen 2 Module | Not Present    |  |
| Radio                             | Present        |  |
| VES                               | False          |  |
| VRM                               | False          |  |
| E-Mode Feature Present            | False          |  |
| Remote Start Present              | False          |  |
| Vehicle Line                      | RU             |  |
| Body Style                        | Station Wagon  |  |
| Left/Right Hand Drive             | Not Programmed |  |
| Vehicle Brand Type                | Chrysler       |  |

### RCCC CONFIGURATION

| NAME                    | VALUE | UNITS |
|-------------------------|-------|-------|
| MTC with EBL            | False |       |
| DualZone ATC Control    | True  |       |
| MTC Heater Only         | False |       |
| Single Zone MTC Control | False |       |
| Dual Zone MTC Control   | False |       |
| DualZone ATC Control    | False |       |
| MTC without EBL         | False |       |

### ABSO CONFIGURATION

| NAME                       | VALUE     | UNITS   |
|----------------------------|-----------|---------|
| Engine Displacement        | 3.6       | No Unit |
| ESC BLA Enabled            | False     |         |
| PN ESC Byte2               | 0         |         |
| PN ESC Byte1               | 0         |         |
| Drive Configuration        | 2WD Front |         |
| Dynamic Tire Circumference | 89        | inch    |
| VC Chassis Type            | Type 8    |         |
| Axle Ratio                 | 3.251     | No Unit |
| Hardwired VSO              | True      |         |
| ACC                        | True      |         |
| Multiple Pressure Sensors  | True      |         |
| Rear Directional Sensors   | True      |         |
| Feature PIN                | False     |         |
| Front Directional Sensors  | False     |         |
| EPB                        | True      |         |



## CONFIGURATION REPORT

**Vehicle** 2021 CHRYSLER PACIFICA (PHEV) 3.6L V6 HYBRID ENGINE  
**VIN** [REDACTED]

**Odometer** 5437.8 miles  
**Publication Date** Aug 5, 2021, 11:01:57 AM

### ECU SUMMARY INFO

| ECU   | NAME                           | BUS TYPE | FLASH PART # | PART #     |
|-------|--------------------------------|----------|--------------|------------|
| PCM   | Powertrain Control Module      | CAN-C    | 68499122AE   | 68499122AE |
| PLGM  | Power Liftgate                 | CAN-I    | 68466171AF   | 68466171AF |
| ICS   | Integrated Center Stack        | CAN-I    | 7AS341X8AA   | 7AS341X8AA |
| RFH   | Radio Frequency Hub            | CAN-C    | 68500152AA   | 68500152AA |
| ESM   | Electronic Shifter             | CAN-C    | 68240089AM   | 68240089AM |
| ORC   | Occupant Restraint             | CAN-C    | 68480710AC   | 68480710AC |
| EPS   | Electric Power Steering        | CAN-C    | 68460392AA   | 68460392AA |
| HVAC  | Heat, Ventilation and A/C      | CAN-I    | 68493454AE   | 68493454AE |
| DDM   | Driver Door Module             | CAN-I    | 68496461AB   | 68496461AB |
| PDM   | Passenger Door Module          | CAN-I    | 68496460AB   | 68496460AB |
| DMRL  | Door Module Rear Left          | CAN-I    | 68508894AB   | 68508894AB |
| DMRR  | Door Module Rear Right         | CAN-I    | 68508894AB   | 68508894AB |
| PSDML | Power Sliding Doors (Left)     | CAN-I    | 68369596AD   | 68369596AD |
| PSDMR | Power Sliding Doors (Right)    | CAN-I    | 68369596AD   | 68369596AD |
| MSM   | Memory Seat Module             | CAN-I    | 68321862AC   | 68321862AC |
| CSWM  | Comfort Seat Wheel Module      | CAN-I    | 68517013AB   | 68517013AB |
| AMP   | Amplifier                      | CAN-I    | 68448067AA   | 68448067AA |
| IPC   | Instrument Panel Cluster       | CAN-C    | 68434960AE   | 68434960AE |
| PTS   | Parktronics                    | CAN-C    | 68485862AA   | 68485862AA |
| SCCM  | Steering Column Control Module | CAN-C    | 68360889AD   | 68360889AD |
| BCM   | Body Controller                | CAN-C    | 68491085AG   | 68491085AG |

| P     |                                    |       |            |            |
|-------|------------------------------------|-------|------------|------------|
| ACC   | Adaptive Cruise Control            | CAN-C | 68540436AA | 68540436AA |
| RADIO | Radio                              | CAN-I | 68465292AC | 68465292AC |
| OCM   | Occupant Classification            | CAN-C | 68403127AA | 68403127AA |
| HVACR | Heat, Ventilation and A/C Rear     | CAN-I | 68373079AB | 68373079AB |
| LBSS  | Left Blind Spot Sensor             | CAN-I | 04672786AB | 04672786AB |
| RBSS  | Right Blind Spot Sensor            | CAN-I | 04672786AB | 04672786AB |
| FFCM  | Forward Facing Camera Module       | CAN-C | 68493395AA | 68493395AA |
| EDM   | External Disc Module               | CAN-I | 68499745AA | 68499745AA |
| APM   | Accessory Power Module             | CAN-C | 05185046AB | 05185046AB |
| BPCM  | Battery Pack Control Module        | CAN-C | 05193183AE | 05193183AE |
| HCP   | Hybrid Control Processor           | CAN-C | 05185116AH | 05185116AH |
| OBCM  | On Board Charging Module           | CAN-C | 05185047AE | 05185047AE |
| MSMP  | Memory Seat Module - Passenger     | CAN-I | 68321862AC | 68321862AC |
| DSM   | Display Screen Module              | CAN-I | 68437339AD | 68437339AD |
| VRM   | Video Routing Module               | CAN-I | 68493702AA | 68493702AA |
| RCCC  | Rear Cabin Comfort Controls        | CAN-I | 6WL30PD2AA | 6WL30PD2AA |
| CVPM  | Central vision processing module   | CAN-I | 56029920AB | 56029920AB |
| EAC   | Electric A/C Compressor            | CAN-C | 68237995AG | 68237995AG |
| AHCP  | Auxiliary Hybrid Control Processor | CAN-C | 05185117AH | 05185117AH |
| EBBM  | Electronic Brake Booster Module    | CAN-C | 68461813AB | 68461813AB |
| ABSO  | Anti Lock Brakes OBD               | CAN-C | 68471122AD | 68471122AD |
| SGW   | Security Gateway Module            | CAN-C | 68488429AB | 68488429AB |
| TBM2  | Telematic Box Module 2             | CAN-C | 68546266AB | 68546266AB |

### ECU SUMMARY INFO (CONT...)

| ECU  | COUNTRY CODE | HARDWARE VERSION | SOFTWARE VERSION | IDENT        | CVNS     |
|------|--------------|------------------|------------------|--------------|----------|
| PCM  | USA          | 1B 47            | 75 01 01         | 4422         | F2DB13B9 |
| PLGM | USA          | 0                | 5269             | 000200000031 |          |
| ICS  | USA          | 0F 0C 00         | 13 31 01         | 4700         |          |
| RFH  | USA / USA    | 10 17 00         | 13 26 00         | 4A00         |          |

|       |                              |          |          |              |                                  |
|-------|------------------------------|----------|----------|--------------|----------------------------------|
| ESM   | USA / USA                    | 0F 24 00 | 12 28 FF | 4402         |                                  |
| ORC   | USA / USA                    | 12 1A 00 | 13 2E 00 | 4301         |                                  |
| EPS   | USA / USA                    | 12 2A 00 | 12 1E 01 | 4502         |                                  |
| HVAC  | USA                          | 0E 09 00 | 14 2F 01 | 4401         |                                  |
| DDM   | USA                          | 11 07 00 | 14 07 00 | 4202         |                                  |
| PDM   | USA                          | 11 07 00 | 14 07 00 | 4202         |                                  |
| DMRL  | USA / USA                    | 10 0B 00 | 14 08 00 | 4201         |                                  |
| DMRR  | USA / USA                    | 10 0B 00 | 14 08 00 | 4201         |                                  |
| PSDML | USA / USA                    | 10 17 00 | 14 10 12 | 4001         |                                  |
| PSDMR | USA / USA                    | 10 17 00 | 14 10 12 | 4001         |                                  |
| MSM   | USA                          | 0F 2B 00 | 10 27 03 | 4101         |                                  |
| CSWM  | USA                          | 11 2A 00 | 14 25 00 | 4302         |                                  |
| AMP   | USA                          | 0F 06 01 | 12 2E 01 | 4021         |                                  |
| IPC   | USA / USA                    | 12 06 00 | 14 2B 00 | 4705         |                                  |
| PTS   | USA                          | 0E 32 00 | 14 07 00 | 4311         |                                  |
| SCCM  | USA                          | 13 28 00 | 13 29 00 | 4301         |                                  |
| BCM   | USA                          | 0D 11 00 | 14 26 90 | 4420         |                                  |
| ACC   | USA / USA                    | 14 12 01 | 14 26 01 | 4400         |                                  |
| RADIO |                              | 65       | 5175     | 000200000008 |                                  |
| OCM   | USA / USA                    | 11 1F 01 | 0E 2F 02 | 4030         |                                  |
| HVACR | USA                          | 0E 09 00 | 10 03 02 | 4301         |                                  |
| LBSS  | USA / USA                    | 11 30 02 | 12 0D 00 | 4202         |                                  |
| RBSS  | USA / USA                    | 11 30 02 | 12 0D 00 | 4202         |                                  |
| FFCM  | USA / USA                    | 11 06 00 | 13 1E 00 | 4102         |                                  |
| EDM   | USA                          | 12 0A 00 | 11 08 00 | 4000         |                                  |
| APM   | USA / USA                    | 11 32 00 | 11 32 00 | 4001         |                                  |
| BPCM  | Not programmed / COUNTRY_SNA | 0E 03 00 | 14 2C 00 | 4005         | 79855957                         |
| HCP   | USA                          | 11 1F 04 | 0F 2D 00 | 4006         | 879F1587<br>D754327D<br>050DC953 |
| OBCM  | USA                          | 0F 0D 00 | 12 02 00 | 4002         |                                  |
| MSMP  | USA                          | 0F 2B 00 | 10 27 03 | 4001         |                                  |
| DSM   | USA / USA                    | 14 0C 00 | 14 28 00 | 4300         |                                  |
| VRM   | USA / USA                    | 0F 1C 00 | 14 1E 14 | 4001         |                                  |
| RCCC  | USA                          | 0F 1D 00 | 13 04 00 | 4000         |                                  |
| CVPM  | USA / USA                    | 11 27 01 | 14 0C 01 | 4004         |                                  |
| EAC   | USA                          | 0E 34 00 | 12 0F 00 | 4102         |                                  |
| AHCP  | USA                          | 11 1F 04 | 0F 2D 00 | 4000         |                                  |
| EBBM  | USA                          | 0E 19 02 | 14 0D 18 | 4000         | E5898FA5                         |
| ABSO  | USA                          | 0E 15 02 | 14 1B 26 | 4201         | 4F158D1B                         |
| SGW   |                              | 5        | 969      | 4103         |                                  |
| TBM2  | USA                          | 13 0E 02 | 14 2A 5C | 4104         |                                  |

## CONFIGURATION

### PCM CONFIGURATION

| NAME                                         | VALUE | UNITS |
|----------------------------------------------|-------|-------|
| Secondary Mass Airflow Sensor Equipped       | False |       |
| Active Exhaust Pressure Sensor Equipped      | False |       |
| Active Exhaust Valve(s) Equipped             | False |       |
| Electronic Parking Brake Equipped            | True  |       |
| Heater Temp Control Valve Equipped           | False |       |
| Wastegate HBridge Equipped                   | False |       |
| Aux Coolant Pump Heater Equipped             | False |       |
| Mechanical Coolant Pump Equipped             | False |       |
| High Side Port Tumble Valve Equipped         | False |       |
| Direct Injection Equipped                    | False |       |
| Brake Pedal Sensor Equipped                  | False |       |
| Active Engine Mount Equipped                 | False |       |
| SRV Equipped                                 | False |       |
| Clutch Interlock Switch Equipped             | False |       |
| Mechanical Coolant Pump Heater Equipped      | False |       |
| 2.0 Liter W14 engine                         | False |       |
| Transmission Software Included               | False |       |
| Sensorless FFV Enabled                       | False |       |
| TIP Equipped                                 | False |       |
| 5.7 Liter V8 Engine                          | False |       |
| 62TE                                         | False |       |
| Adaptive Cruise Control Hardware Equipped    | False |       |
| MDS Equipped                                 | False |       |
| Electric Thermostat Heater Equipped          | False |       |
| Rear Heater Equipped                         | False |       |
| Unleaded Gasoline Fuel                       | True  |       |
| Knock Sensor 2 Equipped                      | True  |       |
| ETC Cruise equipped                          | False |       |
| 3.8 Liter V6 Engine                          | False |       |
| ZF 9-Speed Transmission Equipped             | False |       |
| AC Equipped Over Bus                         | False |       |
| VLP Is Learnable Indicator                   | False |       |
| Power Steering Switch Equipped               | False |       |
| Primary Lin Alternator Equipped              | False |       |
| Tumble Generator Valve Equipped              | False |       |
| Fiat 940 Compact Equipped                    | False |       |
| CUSW PROXI Write Programming Support Enabled | False |       |
| Engine Software In Package                   | True  |       |
| Dual Fuel Pressure Sensor Equipped           | False |       |
| Wide Range O2 Sensor 1/1 Equipped            | False |       |
| 66RFE / 68RFE                                | False |       |
| A/C Equipped                                 | True  |       |
| 4 Speed Automatic Transmission Equipped      | False |       |

|                                                      |           |  |
|------------------------------------------------------|-----------|--|
| Electronic Throttle Control Equipped                 | True      |  |
| O2 Sensor Bank 2 Sensor 2 Equipped                   | True      |  |
| Secondary Air Equipped                               | False     |  |
| High Side Port Tumble Valve Equipped                 | Undefined |  |
| Shift Indicator Lamp Equipped                        | False     |  |
| 3.3 Liter V6 Engine                                  | False     |  |
| 4.0 Liter I6 Engine                                  | False     |  |
| Turbocharger Equipped                                | False     |  |
| 45RFE / 545RFE / 65RFE                               | False     |  |
| 3 Speed Fan Mechanical Relay System Equipped         | False     |  |
| GPEC3 Equipped                                       | False     |  |
| O2 Sensor Bank 2 Sensor 1 Equipped                   | True      |  |
| Constant Heater Temperature Control Valve Equipped   | False     |  |
| Air Shutoff Valve Bank 1 Control Solenoid 2 Equipped | False     |  |
| Secondary Fuel Pump Equipped                         | False     |  |
| Aisin 6-Speed RWD Transmission Equipped              | False     |  |
| Fixed displacement AC Equipped                       | True      |  |
| Air Shutoff Valve Bank 2 Control Solenoid 2 Equipped | False     |  |
| PTO System Equipped                                  | False     |  |
| VMM Equipped                                         | False     |  |
| O2 Sensor Bank 1 Sensor 2 Equipped                   | True      |  |
| Viscosity Sensor Equipped                            | False     |  |
| Transmission Oil Heater Equipped                     | False     |  |
| Electronic Vacuum Pump Equipped                      | False     |  |
| MultiAir Equipped                                    | False     |  |
| 6.2 Liter V8 Engine                                  | False     |  |
| Auxiliary Coolant Pump Equipped                      | False     |  |
| Police Package Equipped                              | False     |  |
| Linear Purge Equipped                                | False     |  |
| DUAL_ALTERNATOR_GEN1_LEARNEDCOPY                     | False     |  |
| 2.7 Liter V6 Engine                                  | False     |  |
| Oil Pressure Sensor Enabled                          | True      |  |
| Exhaust Cam 1 Equipped                               | True      |  |
| MTV Solenoid Equipped                                | False     |  |
| GPEC4 Equipped                                       | False     |  |
| Active Exhaust Valve Equipped                        | False     |  |
| WI4 Variable Valve Timing Equipped                   | True      |  |
| Exhaust Cam 2 Equipped                               | True      |  |
| Supercharger Equipped                                | False     |  |
| Adaptive Cruise Control Equipped                     | True      |  |
| Continuous Variable Transmission Equipped            | False     |  |
| Powernet Equipped                                    | True      |  |
| Low Temperature Radiator Coolant Pump Equipped       | False     |  |
| TOOLCONFIG_OIL_PRESS_ABS_EQUIPPED                    | True      |  |

|                                                                    |                                  |  |
|--------------------------------------------------------------------|----------------------------------|--|
| 3.7 Liter V6 Engine                                                | False                            |  |
| Port Flap Valve Equipped                                           | False                            |  |
| O2 Sensor Bank 1 Sensor 1 Equipped                                 | True                             |  |
| WI4 Intake Flow Control Valve Equipped                             | False                            |  |
| GPEC2A Equipped                                                    | True                             |  |
| Trans Skip Shift Equipped                                          | False                            |  |
| 42RLE                                                              | False                            |  |
| 4 Button Integrated Cruise Control                                 | False                            |  |
| Yaw Rate Sensor ESC Equipped                                       | False                            |  |
| Vehicle Speed Sensor #1 Calculated by ECU                          | False                            |  |
| GPEC2 Equipped                                                     | False                            |  |
| Buffered Crank Output for ANC (Active Noise Cancellation) Equipped | True                             |  |
| Engine Idle Shutoff Equipped                                       | False                            |  |
| Brushless PWM Fan Equipped                                         | NOT_FAN_PWM_BOSCH_BRUSHLESS_CNFG |  |
| 3.0 Liter V6 Engine                                                | False                            |  |
| Operator Idle Speed Request Equipped                               | False                            |  |
| Auxiliary Heater Electric Water Pump Equipped                      | False                            |  |
| 3.2 Liter V6 Engine                                                | False                            |  |
| Electronic Coolant Pump Equipped                                   | False                            |  |
| HPT 6-Speed Transmission Equipped                                  | False                            |  |
| Dual Fuel Tank Equipped                                            | False                            |  |
| Wide Range O2 Sensor 2/1 Equipped                                  | False                            |  |
| Engine Oil Heater Cooler Equipped                                  | True                             |  |
| Active Grille Shutter Equipped                                     | True                             |  |
| Coolant On-Off Valve Equipped                                      | False                            |  |
| Cummins Equipped                                                   | False                            |  |
| Electronic Automatic Transmission (EATX) Equipped                  | False                            |  |
| Fan Wake Up Relay System Equipped                                  | False                            |  |
| Linear EGR Equipped                                                | False                            |  |
| Barometric Sensor Equipped                                         | False                            |  |
| 40TE / 41TE / 41TEA                                                | False                            |  |
| CMCV H-Bridge Equipped                                             | Undefined                        |  |
| Intake Cam 2 Equipped                                              | True                             |  |
| O2 Sensor Bank 1 Sensor 3 Equipped                                 | False                            |  |
| AC Equipped                                                        | False                            |  |
| 1 Speed Fan Mechanical Relay System Equipped                       | False                            |  |
| Battery Temp Sensor Equipped                                       | False                            |  |
| Dual Stage Oil Pump Equipped                                       | True                             |  |
| Dual Speed Fuel Pump Equipped                                      | False                            |  |
| Next Gen Bus Equipped                                              | False                            |  |
| EMAT (Getrag DCT transmission) Equipped                            | False                            |  |
| Air Shutoff Valve Bank 1 Control Solenoid 1 Equipped               | False                            |  |
| Active Exhaust Pressure Sensor Equipped                            | False                            |  |
| Buffered Crank Output for PHEV Engine Pulse Calculation Equipped   | True                             |  |

|                                                          |           |  |
|----------------------------------------------------------|-----------|--|
| Throttle Inlet Temp Sensor Equipped                      | False     |  |
| Starter Relay 2 Equipped                                 | False     |  |
| Electric Coolant Valve Equipped                          | False     |  |
| Cooled EGR Equipped                                      | False     |  |
| Duty Cycle Purge Valve Equipped                          | True      |  |
| Turbine Volute Valve Actuator Equipped                   | Undefined |  |
| Vehicle Speed Sensor #1 Calculated from CAN              | False     |  |
| Linear PWM Fan Relay System Equipped                     | False     |  |
| Knock Sensor 1 Equipped                                  | True      |  |
| Humidity, Temperature and Pressure Sensor (LIN) Equipped | False     |  |
| VLP Equipped Indicator                                   | False     |  |
| VFS Actuators Available Indicator                        | False     |  |
| Engine Stop Start Equipped                               | False     |  |
| 1.0 Liter I3 Engine                                      | False     |  |
| Variable Speed Fuel Pump Equipped                        | True      |  |
| Compressed Natural Gas Equipped                          | False     |  |
| ICC Cruise Equipped                                      | False     |  |
| Coolant On-Off Pump Equipped                             | False     |  |
| 3.6 Liter V6 Engine                                      | True      |  |
| Unleaded diesel fuel                                     | False     |  |
| 2 Speed Fan 3 Driver 3 Relay System Equipped             | False     |  |
| ESIM Equipped                                            | False     |  |
| Variable Displacement AC Equipped                        | False     |  |
| 4.7 Liter V8 Engine                                      | False     |  |
| PWM Fan Motor System Equipped                            | True      |  |
| ERS Equipped Indicator                                   | False     |  |
| Fiat VIN Learning Strategy Equipped                      | False     |  |
| Inrush Current Reduction Relay Equipped                  | False     |  |
| Intake Cam 1 Equipped                                    | True      |  |
| 2 Speed Fan Mechanical Relay System Equipped             | False     |  |
| 6.4 Liter V8 Engine                                      | False     |  |
| 6.1 Liter V8 Engine                                      | False     |  |
| 2.4 Liter WI4 engine                                     | False     |  |
| Trans Reverse Lockout Equipped                           | False     |  |
| CUSW (11-Bit) Equipped                                   | False     |  |
| Auxiliary Coolant Pump Heater Equipped                   | Undefined |  |
| Electric Water Pump Equipped                             | False     |  |
| 3.5 Liter V6 Engine                                      | False     |  |
| Hybrid Electric Vehicle Equipped                         | True      |  |
| 2 Speed Fan PWM Relay System Equipped                    | False     |  |
| Wastegate H-Bridge Equipped                              | Undefined |  |
| 1.8 Liter WI4 engine                                     | False     |  |
| Operator Idle Speed Request Equipped                     | False     |  |
| Cylinder Pressure Sensor Equipped                        | False     |  |



|                                                  |              |      |
|--------------------------------------------------|--------------|------|
| Throttle Inlet Temp Sensor Equipped              | False        |      |
| Mass Airflow System Equipped                     | False        |      |
| Clutch Sensor Equipped                           | False        |      |
| Dual Fuel Pressure Sensor Equipped               | False        |      |
| Make Up Air Sensor Equipped                      | False        |      |
| Bi-Directional Crank Sensor Equipped             | True         |      |
| CUSW 4-Button Cruise Equipped                    | False        |      |
| SWAP HARDWIRED BRAKE SWITCH INPUTS               | False        |      |
| 5 Button Cruise (LIN) Equipped                   | True         |      |
| Power Steering Angle Sensor Mandatory            | False        |      |
| LIN Humidity, Temp, and Pressure Sensor Equipped | False        |      |
| INTAKE O2 SENSOR EQUIPPED                        | False        |      |
| Brake Pedal Sensor Equipped                      | False        |      |
| Coolant On-Off Pump Equipped                     | Not Equipped |      |
| Primary Lin Alternator Equipped                  | Not Equipped |      |
| Variable Valve Lift Equipped                     | Not Equipped |      |
| 2.0 Liter I4 Direct Injection Engine             | False        |      |
| 1.0 Liter I3 Engine                              | False        |      |
| Remote Start Present                             | Present      |      |
| Low Temp Radiator Coolant Pump Equipped          | False        |      |
| Engine Idle Shutoff Equipped                     | False        |      |
| ZF 9-Speed Trans Equipped                        | False        |      |
| A/C Relay Powered from Engine Switched Battery   | False        |      |
| PTO System Equipped                              | False        |      |
| HPT 6-Speed Trans Equipped                       | False        |      |
| Hybrid MEC Shifter Equipped                      | False        |      |
| CNG Large Gas Tank Equipped                      | False        |      |
| Dual Alternator Gen1 Capable                     | False        |      |
| Dual Fuel Tank Equipped                          | False        |      |
| Cooled EGR Equipped                              | False        |      |
| Auxillary Coolant Pump Equipped                  | False        |      |
| Supercharger Equipped                            | False        |      |
| Engine Oil Pressure Sensor Type                  | 255          | None |

## ICS CONFIGURATION

| NAME                | VALUE | UNITS |
|---------------------|-------|-------|
| Display Type (Mid)  | False |       |
| Display Type (Base) | True  |       |
| Display Type (High) | False |       |

## RFH CONFIGURATION

| NAME                                          | VALUE            | UNITS |
|-----------------------------------------------|------------------|-------|
| Hardware Configuration: Trunk Door Handle H/W | Simple Switch AP |       |
| Hardware Configuration: Remote Start Antenna  | Present          |       |

|                                                          |                              |  |
|----------------------------------------------------------|------------------------------|--|
| Hardware Configuration: Front Right Door Handle H/W      | Serial AP                    |  |
| Hardware Configuration: Front Left Door Handle H/W       | Serial AP                    |  |
| Hardware Configuration: Rear Right Door Handle H/W       | No AP                        |  |
| Hardware Configuration: Rear Left Door Handle H/W        | No AP                        |  |
| Valid Key In Ignition                                    | Yes                          |  |
| Fob Location #3 Successfully Programmed                  | Yes                          |  |
| Fob Location #5 Key sense status                         | Fob is NOT Key Sense         |  |
| Secret Key Sent to Body Controller - Original attempt    | Yes                          |  |
| Fob Location #7 Key sense status                         | Fob is NOT Key Sense         |  |
| Fob Location #3 Key sense status                         | Fob is Key Sense             |  |
| Fob Location #7 Successfully Programmed                  | No                           |  |
| Fob Location #6 Successfully Programmed                  | No                           |  |
| Fob Location #5 Successfully Programmed                  | No                           |  |
| Fob Location #8 Key sense status                         | Fob is NOT Key Sense         |  |
| PIN Successfully Programmed                              | Yes                          |  |
| RFHub Locked                                             | RFHUB Locked after IAC write |  |
| Fob Location #1 Key sense status                         | Fob is NOT Key Sense         |  |
| Fob Location #4 Key sense status                         | Fob is NOT Key Sense         |  |
| Fob Location #6 Key sense status                         | Fob is NOT Key Sense         |  |
| Fob Location #1 Successfully Programmed                  | Yes                          |  |
| Secret Key Sent to Body Controller - Most recent attempt | Yes                          |  |
| Fob Location #2 Successfully Programmed                  | Yes                          |  |
| Fob Location #4 Successfully Programmed                  | No                           |  |
| Fob Location #2 Key sense status                         | Fob is NOT Key Sense         |  |
| VIN Successfully Programmed                              | Yes                          |  |
| Fob Location #8 Successfully Programmed                  | No                           |  |
| Base TPM                                                 | False                        |  |
| Auto Park Present                                        | True                         |  |
| e-shifter present                                        | True                         |  |
| Secret Codes Programmed                                  | True                         |  |
| KeySense Configuration                                   | True                         |  |
| Ignition system type connected                           | KIN system                   |  |
| RKE                                                      | True                         |  |
| Remote Start Present                                     | True                         |  |
| \$0214 Programmed by                                     | Programmed by Supplier EOL   |  |
| TPM Auto-Locate Enabled                                  | True                         |  |
| Keyless Go                                               | True                         |  |
| Passive Entry                                            | True                         |  |
| Hybrid Type                                              | PHEV                         |  |
| Module Configuration Status                              | True                         |  |
| Premium TPM                                              | True                         |  |
| Back Up ECU Configuration 16                             | True                         |  |
| Back Up ECU Configuration 14                             | True                         |  |
| Back Up ECU Configuration 7                              | True                         |  |

|                                              |      |  |
|----------------------------------------------|------|--|
| Back Up Vehicle Config 1                     | True |  |
| Back Up ECU Configuration 10                 | True |  |
| Back Up ECU Configuration 11                 | True |  |
| Back Up Vehicle Config 4                     | True |  |
| Back Up Vehicle Config 3                     | True |  |
| Back Up Customer Settings Menu 1 (CSM1)      | True |  |
| Back Up ECU Configuration 2                  | True |  |
| Back Up ECU Configuration 1                  | True |  |
| Back Up ECU Configuration 9                  | True |  |
| Back Up Programmed ECUs: Cabin Network       | True |  |
| Back Up Vehicle Config 5                     | True |  |
| Back Up ECU Configuration 3                  | True |  |
| Back Up Customer Settings Menu 2 (CSM2)      | True |  |
| Back Up Vehicle Config 6                     | True |  |
| Back Up ECU Configuration 12                 | True |  |
| Back Up Programmed ECUs: P/T Chassis Network | True |  |
| Back Up ECU Configuration 4                  | True |  |
| Back Up ECU Configuration 17                 | True |  |
| Back Up ECU Configuration 8                  | True |  |
| Back Up ECU Configuration 13                 | True |  |
| Back Up Vehicle Config 7                     | True |  |
| Back Up ECU Configuration 5                  | True |  |
| Back Up Vehicle Config 2                     | True |  |
| Back Up ECU Configuration 15                 | True |  |
| Back Up ECU Configuration 6                  | True |  |

## ORC CONFIGURATION

| NAME                                      | VALUE          | UNITS |
|-------------------------------------------|----------------|-------|
| First Row Driver Seatbelt Buckle Switch   | Configured     |       |
| Driver Seat Track Position Sensor         | Configured     |       |
| Second Row Left Seat Side Airbag          | Not Configured |       |
| Rollover Sensing                          | Configured     |       |
| Passenger Seatbelt Retractor Pretensioner | Configured     |       |
| Passenger Seatbelt Anchor Pretensioner    | Configured     |       |
| Driver Seatbelt Anchor Pretensioner       | Configured     |       |
| Left Side Seat Squib 1                    | Configured     |       |
| Driver Frontal Squib 3                    | Configured     |       |
| Passenger Seatbelt Load Limiter           | Configured     |       |
| Passenger Occupant Detection Sensor       | Not Configured |       |
| Passenger Seatbelt Buckle Pretensioner    | Not Configured |       |
| Second Row Left seat belt Switch          | Not Configured |       |
| Left B-Pillar Impact Acceleration Sensor  | Configured     |       |
| Right Up-Front Acceleration Sensor        | Configured     |       |
| Configuration Column Identifier           | A3             |       |

|                                            |                |  |
|--------------------------------------------|----------------|--|
| Passenger Airbag Disable Indicator         | Not Configured |  |
| Passenger Frontal Squib 1                  | Configured     |  |
| Driver Frontal Squib 1                     | Configured     |  |
| Passenger Frontal Squib 3                  | Configured     |  |
| Right Side Seat Squib 1                    | Configured     |  |
| Second Row Right seat belt Switch          | Not Configured |  |
| Left Up-Front Acceleration Sensor          | Configured     |  |
| Right Curtain Squib 1                      | Configured     |  |
| Left C-Pillar Impact Acceleration Sensor   | Configured     |  |
| Passenger Seat Track Position Sensor       | Configured     |  |
| Driver Knee Bolster Squib                  | Configured     |  |
| Occupant Classification (OCM)              | Configured     |  |
| Passenger Frontal Squib 2                  | Configured     |  |
| Driver Frontal Squib 4                     | Not Configured |  |
| Second Row Center seat belt Switch         | Not Configured |  |
| Left Curtain Squib 1                       | Configured     |  |
| Right Side Door Pressure Sensor            | Configured     |  |
| First Row Passenger Seatbelt Buckle Switch | Configured     |  |
| Right B-Pillar Impact Acceleration Sensor  | Configured     |  |
| Left D-Pillar Impact Acceleration Sensor   | Configured     |  |
| Right D-Pillar Impact Acceleration Sensor  | Configured     |  |
| Right C-Pillar Impact Acceleration Sensor  | Configured     |  |
| Driver Seatbelt Load Limiter               | Configured     |  |
| Driver Seatbelt Retractor Pretensioner     | Configured     |  |
| Second Row Right Seat Side Airbag          | Not Configured |  |
| Passenger Frontal Squib 4                  | Not Configured |  |
| Passenger Airbag Disable Switch            | Not Configured |  |
| Passenger Knee Bolster Squib               | Configured     |  |
| Driver Frontal Squib 2                     | Configured     |  |
| Left Side Door Pressure Sensor             | Configured     |  |
| EPPM                                       | Not Configured |  |
| Driver Seatbelt Buckle Pretensioner        | Not Configured |  |

## EPS CONFIGURATION

| NAME                                   | VALUE | UNITS |
|----------------------------------------|-------|-------|
| Stop/Start Feature Active              | False |       |
| Parallel Park Assist Feature Active    | True  |       |
| Dynamic Steering Torque Feature Active | True  |       |
| Lane Feedback Feature Active           | True  |       |

## HVAC CONFIGURATION

| NAME                         | VALUE                | UNITS |
|------------------------------|----------------------|-------|
| HVAC Configuration           | Dual Zone ATC + Rear |       |
| Single Zone MTC Control (BB) | False                |       |

|                                     |       |  |
|-------------------------------------|-------|--|
| DualZone ATC Control (BB)           | True  |  |
| Dual Zone MTC Control (BB)          | False |  |
| MTC Without EBL (3Knob)             | False |  |
| MTC With EBL (3Knob)                | False |  |
| DualZone ATC Control (Factory) (BB) | True  |  |
| MTC heater only (3Knob)             | False |  |

**PDM CONFIGURATION**

| NAME             | VALUE | UNITS |
|------------------|-------|-------|
| Frameless Window | False |       |

**PSDML CONFIGURATION**

| NAME        | VALUE | UNITS |
|-------------|-------|-------|
| VSIM Status | False |       |

**PSDMR CONFIGURATION**

| NAME                                         | VALUE | UNITS |
|----------------------------------------------|-------|-------|
| UPFM Status (Present = True, Absent = False) | False |       |

**MSM CONFIGURATION**

| NAME              | VALUE | UNITS |
|-------------------|-------|-------|
| Adjustable Pedals | False |       |
| Telescope/Tilt    | False |       |

**CSWM CONFIGURATION**

| NAME                  | VALUE      | UNITS |
|-----------------------|------------|-------|
| Vehicle Line L-Series | False      |       |
| Vehicle Line R-Series | True       |       |
| Vehicle Line D-Series | False      |       |
| Heated Steering Wheel | True       |       |
| Vehicle Line J-Series | False      |       |
| Vehicle Line U-Series | False      |       |
| Vehicle Line W-Series | False      |       |
| Vehicle Line M-Series | False      |       |
| Vehicle Line P-Series | False      |       |
| EC - Seat B           | Programmed |       |
| EC - Seat A           | Programmed |       |

**AMP CONFIGURATION**

| NAME                  | VALUE             | UNITS |
|-----------------------|-------------------|-------|
| ANC Status            | Off - Window Mute |       |
| Left/Right Hand Drive | Left Hand Drive   |       |
| Current EQ Checksum   | 57 F7 4F 32       |       |

|                                      |                                            |  |
|--------------------------------------|--------------------------------------------|--|
| Premium - 3                          | True                                       |  |
| Premuim - 1 (8 channel)              | False                                      |  |
| Premuim - 2 (12 Channel)             | False                                      |  |
| Non -ANC                             | False                                      |  |
| Current ANC Calibration ID - Service | RU PHEV 3.6L: Tripane Sunroof & Harman AMP |  |
| Teen Key Present                     | False                                      |  |
| Sub-EQ Set Selected                  | Sub-EQ#7 Selected                          |  |
| Cabin Equalization Curve Number      | 53                                         |  |
| Surround Sound Activated             | Set                                        |  |
| Door Module - Right Rear             | Present                                    |  |
| Door Module - Left Front             | Present                                    |  |
| Door Module - Left Rear              | Present                                    |  |
| Door Module - Right Front            | Present                                    |  |
| ANC Calibration Date - Year          | 18                                         |  |
| ANC Calibration Date - Week          | 45                                         |  |
| ANC Calibration Date - Patch Level   | 2                                          |  |

### IPC CONFIGURATION

| NAME          | VALUE | UNITS |
|---------------|-------|-------|
| PHEV          | True  |       |
| Rear Fog Lamp | False |       |

### PTS CONFIGURATION

| NAME                              | VALUE                    | UNITS |
|-----------------------------------|--------------------------|-------|
| Front License Plate Configuration | Front Plate Config - USA |       |
| Front System with 6 Rear Sensors  | True                     |       |
| Rear System with 6 Front Sensors  | True                     |       |

### SCCM CONFIGURATION

| NAME                 | VALUE | UNITS |
|----------------------|-------|-------|
| Rear Wiper           | True  |       |
| Paddle Shifter       | False |       |
| Cruise Control / ACC | True  |       |
| Tilt Telescope       | False |       |

### BCM CONFIGURATION

| NAME                                          | VALUE         | UNITS |
|-----------------------------------------------|---------------|-------|
| Number of Reprogramming Attempts - Counter #0 | 1             |       |
| Last Programmed Status                        | Manufacturing |       |
| Vehicle Configuration Programmed Status       | True          |       |
| ECU Configuration 6 (Brake)                   | 3             |       |
| ECU Configuration 4                           | 3             |       |
| Programmed ECUs: P/T Chassis Network          | 3             |       |
| ECU Configuration 2 (CBC Features)            | 3             |       |

|                                                               |                                 |       |
|---------------------------------------------------------------|---------------------------------|-------|
| ECU Configuration 15 (Suspension)                             | 3                               |       |
| ECU Configuration 9 (ITM)                                     | 3                               |       |
| ECU Configuration 5 (Doors)                                   | 3                               |       |
| ECU Configuration 6 (Safety)                                  | 3                               |       |
| Vehicle Configuration 2 - Write Counter                       | 3                               |       |
| Vehicle Configuration Auto Write Counter                      | 1                               |       |
| Vehicle Configuration 5 - Write Counter                       | 3                               |       |
| Vehicle Configuration 4 - Write Counter                       | 3                               |       |
| ECU Configuration 13                                          | 3                               |       |
| Vehicle Configuration 7 - Write Counter                       | 3                               |       |
| ECU Configuration 10                                          | 3                               |       |
| ECU Configuration 7 (CBC Exterior Lighting Calibrations)      | 3                               |       |
| ECU Configuration 11                                          | 3                               |       |
| ECU Configuration 5 (Memory)                                  | 3                               |       |
| Programmed Network Configuration - Audio / Telematics Network | 0                               |       |
| ECU Configuration 8 (LIN and Miscellaneous )                  | 3                               |       |
| ECU Configuration 12                                          | 3                               |       |
| Last Configuration Odometer                                   | 0                               | miles |
| Programmed ECUs: Hybrid LAN Network                           | 0                               |       |
| Vehicle Config CSM1                                           | 3                               |       |
| Vehicle Configuration 6 - Write Counter                       | 3                               |       |
| ECU Configuration 3                                           | 3                               |       |
| Vehicle Configuration 1 - Write Counter                       | 3                               |       |
| ECU Configuration 1 (CBC Configurable Inputs and Outputs)     | 3                               |       |
| Programmed ECUs: Cabin Network                                | 3                               |       |
| ECU Configuration 6 (Suspension)                              | 3                               |       |
| ECU Configuration 6 (Powertrain)                              | 3                               |       |
| ECU Configuration 15 (CBC Features)                           | 3                               |       |
| Vehicle Configuration 3 - Write Counter                       | 3                               |       |
| Vehicle Config CSM2                                           | 3                               |       |
| ECU Configuration 5 (Wireless)                                | 3                               |       |
| ECU Configuration 9A                                          | 3                               |       |
| ECU Configuration 14                                          | 3                               |       |
| Drive Configuration                                           | 2WD Front                       |       |
| Special Packages                                              | 74                              |       |
| Body Style                                                    | Station Wagon                   |       |
| Vehicle Line                                                  | RU                              |       |
| PTS Configuration                                             | Semi Automatic / Semi Automatic |       |
| Country Code                                                  | USA                             |       |
| Model Year                                                    | 2021                            |       |
| Maximum Vehicle Speed                                         | 0                               | MPH   |
| Left/Right Hand Drive                                         | Left Hand Drive                 |       |
| Select Speed Control Feature Present                          | Not Set                         |       |
| Remote Start Present                                          | Set                             |       |

|                                        |                                              |         |
|----------------------------------------|----------------------------------------------|---------|
| Hill Descent Feature Present           | Not Set                                      |         |
| Auto Highbeam                          | Set                                          |         |
| Shifter Type                           | 5 Position Rotary Eshifter PRNDL / Type RS5L |         |
| Emode Present                          | Not Set                                      |         |
| Performance Pages Present              | Not Present                                  |         |
| Off Road Capable                       | Not Set                                      |         |
| Cruise Feature is Present              | Not Set                                      |         |
| Thatcham Present                       | Not Set                                      |         |
| Air Conditioning Present               | Not Set                                      |         |
| Full Size Spare                        | Not Set                                      |         |
| Special Packages IC                    | Pacifica                                     |         |
| Max Load Inflation Pressure Rear Tire  | 36.0                                         | PSI     |
| Power Inverter Type                    | No Power Inverter                            |         |
| Rain Sensor Present                    | Set                                          |         |
| SKIM System Present                    | Not Set                                      |         |
| Flipper Glass Present                  | Not Set                                      |         |
| Max Load Inflation Pressure Front Tire | 36.0                                         | PSI     |
| Vehicle is an SRT                      | Not Set                                      |         |
| Sport Mode Present                     | Not Set                                      |         |
| HVAC Configuration                     | Dual Zone ATC + Rear                         |         |
| RKE System Present                     | Set                                          |         |
| Auto Headlamp Feature Present          | Set                                          |         |
| Forward Collision Warning present      | Set                                          |         |
| Chassis Type                           | Type 8                                       |         |
| Auto Park Present                      | Set                                          |         |
| Secondary Lock Present                 | Not Set                                      |         |
| Door Alert Feature Present             | Not Set                                      |         |
| Disable Display of Radio Clock         | Not Set                                      |         |
| Display Compass Heading Present        | Set                                          |         |
| High Intensity Discharge Head Lamps    | Set                                          |         |
| Paddle Shift Feature Present           | Not Set                                      |         |
| T-Case Type                            | Not Present / Not Present                    |         |
| Fuel Capacity                          | 17                                           | gallons |
| Wheel Base                             | Wheel base not programmed / WB_NP            |         |
| ELV Present                            | Not Set                                      |         |
| Keyless Go Present                     | Set                                          |         |
| Liftgate/Trunk Type                    | Power Liftgate                               |         |
| ESCL system present                    | Not Set                                      |         |
| Collision Mitigation System present    | Set                                          |         |
| FOBIK Safe Enable                      | Set                                          |         |
| Base TPM system present                | Not Set                                      |         |
| Police Lighting Feature                | Not Set                                      |         |
| Passive Entry Present                  | Set                                          |         |
| Window Express Feature Configuration   | All windows express feature                  |         |



|                                                                                                    |                                |         |
|----------------------------------------------------------------------------------------------------|--------------------------------|---------|
| Power Left Sliding Door Present                                                                    | Set                            |         |
| Display Outside Temperature Present                                                                | Set                            |         |
| Power Right Sliding Door Present                                                                   | Set                            |         |
| Two Fuel Sending Units Present                                                                     | Not Set                        |         |
| Adjustable Pedal Feature Present (non-Memory)                                                      | Not Set                        |         |
| Vehicle Brand                                                                                      | Chrysler                       |         |
| Premium TPM system present                                                                         | Set                            |         |
| Transfer Case Low Range Reduction Ratio                                                            | 0.000                          |         |
| Axle Ratio                                                                                         | 3.251                          |         |
| Transfer Case High Ratio                                                                           | 1.000                          | No Unit |
| Dynamic Tire Circumference (All or Rear)                                                           | 89                             | inch    |
| Steering Ratio at Negative Angle 1                                                                 | 0.0                            | No Unit |
| Analog Door Sensor Configuration                                                                   | Driver Door Only Analog Sensor |         |
| Air Quality System Present                                                                         | Not Set                        |         |
| Connector E Pin 8: PHEV HCP Hardwire Wakeup                                                        | Set                            |         |
| Connector G Pin 24 (Internally tied to Connector F Pin 7): Ambient Lighting Output                 | Set                            |         |
| Connector D Pin 22/ Connector D Pin 23: Ambient Temperature Signal/Return Present                  | Set                            |         |
| Connector F Pin 23: Door Lock Switch Signal Front Passenger Present                                | Set                            |         |
| Connector F Pin 29: Horn Switch Present                                                            | Set                            |         |
| Connector D Pin 11: Stop/Turn Trailer Tow Left Output Present                                      | Not Set                        |         |
| Connector D Pin 7: Stop/Turn Trailer Tow Right Output Present                                      | Not Set                        |         |
| Connector E Pin 48 (Tied internally to Connector A Pin16): Rear Wiper Motor Control Output Present | Set                            |         |
| Connector D Pin 9: Trailer Tow Backup Output Present                                               | Not Set                        |         |
| Connector G Pin 15: UGDO Feed Output Present                                                       | Set                            |         |
| Connector A Pin 3/Connector D Pin 2: Low Beam Output Present                                       | Set                            |         |
| Connector E Pin 5: PHEV Fuel Door Switch Input                                                     | Set                            |         |
| Connector F Pin 4: Liftgate Release Present                                                        | Not Set                        |         |
| Connector E Pin 29: Rear Wiper Motor Park Signal Present                                           | Set                            |         |
| Connector G Pin 22: VTA Warning LED Output Present                                                 | Set                            |         |
| Connector E Pin 9: Run-ACC Y Relay #2 Output Present                                               | Set                            |         |
| Connector E Pin 41: Charge Port Unlock Output Present                                              | Set                            |         |
| Connector E Pin 11: Vacuum Switch Input                                                            | Not Set                        |         |
| Connector F Pin 8 : Liftgate Release Outside Handle Switch Present                                 | Not Set                        |         |
| Connector F Pin 6: Fuel Door Motor Output Signal Present                                           | Set                            |         |
| Connector G Pin 9: Ambient Light Dimmer Wheel Input Present                                        | Set                            |         |
| Connectro E Pin 37: Right HID Control Output Present                                               | Not Set                        |         |
| Connector E Pin 34: Vacuum Cleaner Relay Output Present                                            | Not Set                        |         |
| Connector F Pin 9: Analog Door Ajar Signal Front Driver Present                                    | Set                            |         |
| Connector A Pin 11: Hood Ajar Switch Input Present                                                 | Set                            |         |
| Connector D Pin 12: PHEV ECM Hardwire Wake Up Output Present                                       | Set                            |         |
| Connector E Pin 4/Connector F Pin 32: Rear Park Lamps Output Present                               | Set                            |         |

|                                                                      |                 |  |
|----------------------------------------------------------------------|-----------------|--|
| Connector E Pin 3/Connector F Pin 42: Rear Turn Lamps Output Present | Not Set         |  |
| Connector D Pin 10: Trailer Tow Tail Lamp Output Present             | Not Set         |  |
| Connector E Pin 7: Left HID Relay Control Output Present             | Not Set         |  |
| Connector F Pin 35: Inverter Enable Relay Output Present             | Set             |  |
| Connector A Pin 10/Connector D Pin 5: Side Markers Output Present    | Set             |  |
| Connector E Pin 39/Connector F Pin 5: Rear Fog Lamps Output Present  | Not Set         |  |
| Connector E Pin 42: Charge Port Lock Output Present                  | Set             |  |
| Side Repeaters Enable                                                | Not Set         |  |
| Front Wiper Park Enable                                              | Set             |  |
| Headlamp Washer Low Fluid Shut-Off Enable                            | Set             |  |
| Illuminated approach Enabled                                         | Not Set         |  |
| Reversible Washer Pump Enable                                        | Set             |  |
| Exterior Light Loadshed Enable                                       | Set             |  |
| LED Front Park/Marker Lamps Present                                  | Set             |  |
| LED Front Turn Lamps Present                                         | Not Set         |  |
| Front Fog Lamp Dropout Enable                                        | Set             |  |
| Headlamp Wash Spray Duration (at 100 ms intervals)                   | 1100ms          |  |
| DRL Configuration                                                    | No DRL          |  |
| Trailer Tow Present                                                  | Not Set         |  |
| LED High Beam Lamps Present                                          | Set             |  |
| Horn Chirp Allowed                                                   | Set             |  |
| Headlamp Wash Interval                                               | wash cycle#11   |  |
| LED License Lamps Present                                            | Set             |  |
| Wiper Service Position Enabled                                       | Not Set         |  |
| Hazard Lamp Configuration                                            | Latching Switch |  |
| LED CHMSL Lamp Present                                               | Set             |  |
| Fuel Door Release Enabled                                            | Not Present     |  |
| LED Tail Lamps Present                                               | Set             |  |
| Bi Xenon Headlamps Enable                                            | Not Set         |  |
| Combined Rear Lighting Enable                                        | Set             |  |
| LED Low Beam Lamps Present                                           | Set             |  |
| DRL Dropout Enable                                                   | Not Set         |  |
| Headlamp Wash Shot                                                   | double          |  |
| One Touch Lane Change                                                | Set             |  |
| Rear Wiper Park Enable                                               | Set             |  |
| Combined Front Park/Turn Feature Enable                              | Not Set         |  |
| LED Dedicated DRL Present                                            | Not Set         |  |
| Front Wiper Wipes After Wash                                         | 2 Wipes         |  |
| LED Stop Lamps Present                                               | Not Set         |  |
| LED Rear Fog Lamps Present                                           | Not Set         |  |
| Fuel Door Present                                                    | Not Set         |  |
| LED Front Fog Lamps Present                                          | Set             |  |
| Tip Start Enabled                                                    | Set             |  |

|                                            |                                         |  |
|--------------------------------------------|-----------------------------------------|--|
| LED Rear Turn Lamps Present                | Not Set                                 |  |
| Tunnel Detection                           | Not Set                                 |  |
| Dual Start Relay System Present            | Not Set                                 |  |
| Park Lamp Loadshed Enable                  | Set                                     |  |
| Quad Headlamps Enable                      | Set                                     |  |
| LED Reverse Lamps Present                  | Not Set                                 |  |
| DRL Lamp Location                          | Low Beam DRL                            |  |
| Intermittent Wiper States                  | 4 Intermittent Wiper position Switch    |  |
| External Port Type                         | AUX + USB + extra USB                   |  |
| Splashscreen Type                          | Vehicle Brand                           |  |
| Rear Camera Present                        | Not Set                                 |  |
| Front Park Assist Present                  | Set                                     |  |
| Surround Sound Feature Present             | Set                                     |  |
| Power Inverter Present                     | Not Set                                 |  |
| Microphone Type                            | Peiker 300 mv                           |  |
| Antenna Type                               | Active Primary and no secondary antenna |  |
| Front Heated Seats Present                 | Set                                     |  |
| Cabin Equilization Curve Number            | RU Premium System - Harman 12ch         |  |
| Microphone Tuning Parameter                | Absent [Not Used]                       |  |
| Heated Steering Wheel Present              | Set                                     |  |
| Destination                                | United States of America                |  |
| Microphone Configuration                   | 2 Microphones                           |  |
| Power Door Locks Present                   | Set                                     |  |
| Disable CD Eject                           | Not Set                                 |  |
| Fleet Vehicle Content                      | Not Set                                 |  |
| AP4 Right Rear                             | CAN                                     |  |
| Tip Start Present                          | Set                                     |  |
| Airport Scenario Trunk                     | Not Set                                 |  |
| AP2 Right Front                            | Smart Switch                            |  |
| AP5 Trunk Lock                             | Simple Switch                           |  |
| AP3 Left Rear                              | CAN                                     |  |
| Vehicle Variant                            | Undefined                               |  |
| AP1 Left Front                             | Smart Switch                            |  |
| AP5 Trunk Unlock                           | CAN                                     |  |
| Passenger Window Lockout                   | Not Set                                 |  |
| Blindspot Mirror Present                   | Set                                     |  |
| Heated Mirrors Present                     | Set                                     |  |
| Window Hall Sensors Present                | Not Set                                 |  |
| Passenger Memory Mirror Present            | Set                                     |  |
| Puddle Lamp Present                        | Not Set                                 |  |
| Electro-chromatic driver mirror present    | Set                                     |  |
| Sun Shade                                  | Not Set                                 |  |
| Mirror turn signals present                | Set                                     |  |
| Electro-chromatic passenger mirror present | Not Set                                 |  |

|                                                                                                    |                                                 |         |
|----------------------------------------------------------------------------------------------------|-------------------------------------------------|---------|
| Tow Mirror Present                                                                                 | Not Set                                         |         |
| Folding mirrors present                                                                            | Set                                             |         |
| Global Down                                                                                        | Not Set                                         |         |
| Frameless Window Present                                                                           | Not Set                                         |         |
| Window Motor Type                                                                                  | Not Set                                         |         |
| Driver Memory Mirrors Present                                                                      | Set                                             |         |
| Global Up                                                                                          | Not Set                                         |         |
| Rear Door Pre Short Drop                                                                           | Not Set                                         |         |
| Stow 'n Assist Present - Passenger                                                                 | Set                                             |         |
| Memory Adjustable Pedals Present                                                                   | Not Set                                         |         |
| Heated Steering Wheel Present                                                                      | Present                                         |         |
| Heated Wheel Material Type                                                                         | Full Leather                                    |         |
| Heated Seat Material Type                                                                          | Base Leather                                    |         |
| Front Vented Seats Present                                                                         | Present                                         |         |
| Rear Heated Seats Present                                                                          | Not Present                                     |         |
| Stow 'n Assist Present - Driver                                                                    | Set                                             |         |
| Tilt/Telescope Steering Present                                                                    | Not Set                                         |         |
| Driver Memory Seat Present                                                                         | Set                                             |         |
| Brake System ECU Configuration A                                                                   | value 0                                         |         |
| Dual Alternator Present                                                                            | Not Set                                         |         |
| ECO Mode Configuration                                                                             | Remember Previous State with Ignition Key Cycle |         |
| Max Engine Off Time                                                                                | 220                                             | Time    |
| Connector E Pin 3: Left Rear Turn Signal                                                           | Left Rear Turn Signal                           |         |
| Connector F Pin 29: Horn Switch Present                                                            | Horn Switch Input                               |         |
| Humidy Sensor Long Present                                                                         | Set                                             |         |
| Connector F Pin 13: Left Sliding Door Switch Input (B-Pillar)                                      | Left B-Pillar sliding Door Switch               |         |
| Heatsoak Speed                                                                                     | 15                                              | Counter |
| License Plate Lamp Disable                                                                         | Not Set                                         |         |
| Engine Off Clear Time                                                                              | 180                                             | Time    |
| CHMSL Lamp Output Disable                                                                          | Not Set                                         |         |
| Ambient Stable Counter Limit                                                                       | 40                                              | Counter |
| Connctor F Pin 33: Fuel Door Unlock (BUX)                                                          | Not Present                                     |         |
| Connector F Pin 14: Right Sliding Door Switch Input (B-Pillar)                                     | Right B-Pillar Sliding Door Switch              |         |
| Connector F Pin 37: Vacuum Cleaner Power Saver Indicator                                           | Not Present                                     |         |
| Connector F Pin 34: Spare HSD                                                                      | Not Present                                     |         |
| Connector F Pin 30: Fuel Door Lock (BUX)                                                           | Not Present                                     |         |
| Connector G Pin11/Connector G Pin 12: Not Used                                                     | ERS                                             |         |
| Heatsoak Flush Time                                                                                | 105                                             | Time    |
| Connector E Pin 48 (Tied internally to Connector A Pin16): Rear Wiper Motor Control Output Present | Rear Wiper (0)                                  |         |
| Auto High Beam Module Location                                                                     | HaLF                                            |         |
| Connector E Pin 39: Right Rear Turn Signal                                                         | Right Rear Turn Signal                          |         |
| Manual Door Locks Present                                                                          | Not Set                                         |         |
| Connector E Pin 28: Secondary Door Ajar Switch Present - PIN E-28                                  | Set                                             |         |

|                                                   |                                         |      |
|---------------------------------------------------|-----------------------------------------|------|
| Heatsoak Set Time                                 | 15                                      | Time |
| Rain Sensor Module #2 Present                     | Set                                     |      |
| Connector F Pin 15: Driver Door Lock Switch Input | Not Present                             |      |
| Average Last Longitudinal Acceleration Values     | No Averaging                            |      |
| Nose Dive Threshold                               | Filter Off                              |      |
| Acceleration Threshold                            | Filter Off                              |      |
| Excess Lateral Acceleration Factor                | Filter Off                              |      |
| Average Last Lateral Acceleration Values          | No Averaging                            |      |
| Maximum Longitudinal Change                       | Filter Off                              |      |
| Excess Longitudinal Acceleration Factor           | Filter Off                              |      |
| Brake Smoothing Duration                          | Filter Off                              |      |
| Steering Smoothing Duration                       | Filter Off                              |      |
| Nose Dive Factor                                  | Filter Off                              |      |
| Brake Smoothing Factor                            | Filter Off                              |      |
| Brake Smoothing Threshold                         | Filter Off                              |      |
| Maximum Lateral Change                            | Filter Off                              |      |
| Acceleration Factor                               | Filter Off                              |      |
| Steering Smoothing Threshold                      | Filter Off                              |      |
| Steering Smoothing Factor                         | Filter Off                              |      |
| Parking Light Enable                              | Not Set                                 |      |
| Auto High Beam OFF Threshold                      | 20 km/hr                                |      |
| Interior Lighting Day Threshold                   | 4.27498                                 | Volt |
| RKE Auto-Relock Feature Enable                    | Not Set                                 |      |
| Horn Chirp Duration                               | Short                                   |      |
| VTA Hood Ajar Monitoring                          | Not Set                                 |      |
| PE Auto-Relock Feature Enable                     | Set                                     |      |
| Interior Lighting Night Threshold                 | 4.45147                                 | Volt |
| Auto High Beam ON Threshold                       | 25 km/hr                                |      |
| Headlamp Soak Delay                               | 1.0 sec                                 |      |
| Sunroof Present                                   | Set                                     |      |
| Temperature Display Resolution                    | HaLF                                    |      |
| TPMS Configuration                                | Logic 1 NHTSA Enable Warning            |      |
| Smart Alternator Present                          | Not Set                                 |      |
| Automatic Crash Notification Feature Present      | Undefined                               |      |
| Drive Mode Version                                | Version 1                               |      |
| Surround View Camera On/Off Softkey Present       | Set                                     |      |
| Radio Speaker Open Circuit Disable (RF)           | Not Set                                 |      |
| ANC Calibration Parameter Data Set                | RU_PHEV_3.6L_tripane_SunRoof_Harman_AMP |      |
| Radio Speaker Open Circuit Disable (LF)           | Not Set                                 |      |
| Radio Speaker Open Circuit Disable (RR)           | Not Set                                 |      |
| Auto Dimming Mirror Hard Button Present           | Set                                     |      |
| Show Phone Information in Cluster                 | 01                                      |      |
| Radio Speaker Open Circuit Disable (LR)           | Not Set                                 |      |
| Park Assist Tuning Set                            | BUX Front and Rear Only                 |      |

|                                             |         |        |
|---------------------------------------------|---------|--------|
| ACC                                         | Set     |        |
| IPC                                         | Set     |        |
| BCM (PT)                                    | Set     |        |
| OCM                                         | Set     |        |
| HCP                                         | Set     |        |
| EPS                                         | Set     |        |
| AHLM                                        | Not Set |        |
| ABS                                         | Not Set |        |
| RFH                                         | Set     |        |
| ORC                                         | Set     |        |
| SCCM                                        | Set     |        |
| TCM                                         | Not Set |        |
| PTS                                         | Set     |        |
| ESL                                         | Not Set |        |
| ESM                                         | Set     |        |
| ABSO                                        | Set     |        |
| PCM                                         | Set     |        |
| FFCM                                        | Set     |        |
| Rear View Camera Dynamic Grid Lines Enabled | Not Set |        |
| Rear View Camera Static Grid Lines Enabled  | Not Set |        |
| Ultrasonics                                 | Not Set |        |
| Siren                                       | Not Set |        |
| Tilt                                        | Not Set |        |
| HCP                                         | Set     |        |
| OBCM                                        | Set     |        |
| APM                                         | Set     |        |
| ESM                                         | Set     |        |
| AHCP                                        | Set     |        |
| EAC                                         | Set     |        |
| ECM                                         | Set     |        |
| BPCM                                        | Set     |        |
| ORC                                         | Set     |        |
| EBCM                                        | Set     |        |
| ESC                                         | Set     |        |
| 1st Row Seat Side Airbags Present           | True    |        |
| Integrated EPP Present                      | False   |        |
| Passive Ped Pro Present                     | False   |        |
| Driver Kneebag Present                      | True    |        |
| Passenger Kneebag Present                   | True    |        |
| Tow Hooks Present                           | False   |        |
| BUX Market                                  | False   |        |
| ODS Present                                 | False   |        |
| Curtain Airbags Present                     | True    |        |
| IBS Minimal Charge Limit                    | 10      | AmpHrs |

|                                                          |                          |         |
|----------------------------------------------------------|--------------------------|---------|
| Battery Type II                                          | 22                       |         |
| Battery Types                                            | SNA                      |         |
| IBS Minimum Charge Limit                                 | 600                      | mA      |
| IBS Activate MWU                                         | Not Set                  |         |
| IBS Minimum Voltage Limit                                | 5.0                      | Volts   |
| IBS Quiescence Current Limit                             | -250                     | mA      |
| Illuminated Approach Headlamp Target Percentage          | 125 (62.5%)              |         |
| Alert On System Fault                                    | Set                      |         |
| Panic Enable                                             | Set                      |         |
| CRVMM Present                                            | Set                      |         |
| Auto Relock Time                                         | 60                       | seconds |
| HFRM Present                                             | Set                      |         |
| IBS Present                                              | Set                      |         |
| Illuminated Approach Taillamp Target Percentage          | 125 (62.5%)              |         |
| Washer Fluid Level Voltage Threshold                     | 4.46 volts               |         |
| Humidity Sensor Present                                  | Set                      |         |
| Fobik Safe Alerts Per Ignition Cycle                     | 2                        |         |
| Compass Mounting Orientation                             | Rightside up             |         |
| Illuminated Approach Interior Lighting Ramp Up Time      | 130(2600ms)              |         |
| Compass Mounting Angle                                   | 0                        | Degree  |
| Alert On Search Timeout                                  | Set                      |         |
| EVIC SWS Module Present                                  | Set                      |         |
| Alert no Reply                                           | Set                      |         |
| VTA System Present                                       | VTA                      |         |
| OHC Module Present                                       | Set                      |         |
| Illuminated Approach Interior Lighting Target Percentage | 100(50%)                 |         |
| Sound Horn on Lock                                       | Set                      |         |
| Headlamps on with Wipers                                 | Set                      |         |
| Auto Unlock                                              | Set                      |         |
| Auto Highbeam                                            | Set                      |         |
| Sound Horn On Lock Status                                | Chirp on 1st press/FIRST |         |
| Headlamp Delay Time                                      | 30                       | seconds |
| Unlock all doors on 1st press                            | Set                      |         |
| Sound Horn on Remote Start                               | Set                      |         |
| Daytime Running Lamps                                    | Set                      |         |
| Sliding Door Alert                                       | Not Set                  |         |
| Sliding Door Chime Enable                                | Set                      |         |
| Accessory Delay Time                                     | 45                       | seconds |
| Hands Free Sliding Door Enable                           | Set                      |         |
| Illuminated Approach Time                                | 30                       | seconds |
| Flash Lamps on Lock                                      | Set                      |         |
| Auto Wipers                                              | Set                      |         |
| Auto Lock                                                | Set                      |         |
| Right Front Corner Voltage                               | 13.4 Volts               |         |

|                                                      |                                               |      |
|------------------------------------------------------|-----------------------------------------------|------|
| Left Rear Corner Voltage                             | 14 Volts                                      |      |
| Right High Beam Voltage Regulation                   | 13.8 Volts                                    |      |
| Auto Headlamp Off Threshold                          | 2.54930                                       | Volt |
| Left High Beam Voltage Regulation                    | 13.6 Volts                                    |      |
| Right Low Beam Voltage Regulation                    | 14 Volts                                      |      |
| Left Front Corner Voltage                            | 13.2 Volts                                    |      |
| Right Rear Corner Voltage                            | 14 Volts                                      |      |
| Auto Headlamp On Threshold                           | 3.31409                                       | Volt |
| Front Park/Turn Voltage                              | Park to Turn ratio 55 Percent                 |      |
| Left Low Beam Voltage Regulation                     | 13.6 Volts                                    |      |
| MSM                                                  | Set                                           |      |
| PSDML                                                | Set                                           |      |
| DTV                                                  | Not Set                                       |      |
| AMP                                                  | Set                                           |      |
| MSMP                                                 | Set                                           |      |
| PDM                                                  | Set                                           |      |
| BCM (Interior Bus)                                   | Set                                           |      |
| ITM                                                  | Not Set                                       |      |
| HVACR                                                | Set                                           |      |
| HSM                                                  | Set                                           |      |
| DMRR                                                 | Set                                           |      |
| ICS                                                  | Set                                           |      |
| DSM                                                  | Set                                           |      |
| DDM                                                  | Set                                           |      |
| PLGM                                                 | Set                                           |      |
| ANC                                                  | Not Set                                       |      |
| PSDMR                                                | Set                                           |      |
| HVAC                                                 | Set                                           |      |
| CVPM                                                 | Set                                           |      |
| FSM                                                  | Not Set                                       |      |
| EAM                                                  | Set                                           |      |
| Radio                                                | Set                                           |      |
| EOMR                                                 | Set                                           |      |
| EDM                                                  | Set                                           |      |
| DMRL                                                 | Set                                           |      |
| VTM                                                  | Not Set                                       |      |
| VRM                                                  | Set                                           |      |
| Connector D Pin 12: PHEV ECM Hardwire Wake Up        | Engine Control Module Wake up (PHEV only)     |      |
| Connector F Pin 25: Left Rear Turn Lamp Fault Sense  | Disable                                       |      |
| Connector F Pin 31: Right Sliding Door Ajar          | Right Sliding Door Ajar                       |      |
| Connector F Pin 28: Right Rear Turn Lamp Fault Sense | Disable                                       |      |
| Connector A Pin 11: Hood Ajar Switch Signal          | 500 ohm series and 500 ohm parallel resistors |      |
| Connector E Pin 39: Right Rear Fog Lamp              | Output Disable                                |      |
| Connector F Pin 42: Right Rear Turn Signal           | Right Rear Turn Signal                        |      |



|                                                    |                        |  |
|----------------------------------------------------|------------------------|--|
| Connector E Pin 5: E-5 PHEV Fuel Door Switch Input | PHEV Fuel Door Switch  |  |
| Stop/Start Enable Switch Present                   | Not Set                |  |
| Connector D Pin 1: Left High Beam Feed             | AUX High Beam          |  |
| Connector F Pin 29: Horn Switch Input              | Horn Switch Input      |  |
| Connector F Pin 41: Backup-Reverse lamp Left       | Not Set                |  |
| Connector D Pin 21: Brake Fluid Level Switch       | no parallel resistor   |  |
| Connector F Pin 27: Left Sliding Door Ajar         | Left Sliding Door Ajar |  |
| Connector F Pin 4: Liftgate Release                | Trunk/Liftgate Release |  |
| Connector E Pin 7: Left HID Relay Control          | Left HID Lamp Relay    |  |
| Connector F Pin 5: Left Rear Fog Lamp              | Output Disable         |  |
| Connector A Pin 2: Right High Beam Feed            | AUX High Beam          |  |
| Connector E Pin 37: Right HID Relay Control        | Right HID Lamp Relay   |  |
| Connector E Pin 1: Backup-Reverse lamp Right       | Set                    |  |
| Connector E Pin 29: Rear Wiper Motor Park Signal   | Reserved               |  |
| Connector E Pin 3: Left Rear Turn Signal           | Left Rear Turn Signal  |  |

## RADIO CONFIGURATION

| NAME                                          | VALUE        | UNITS   |
|-----------------------------------------------|--------------|---------|
| GPS on the Bus messaging Authorization        | —            |         |
| Compass on the bus messaging Authorization    | —            |         |
| Suspend Month                                 | 00           |         |
| Satellite Subscription ID                     | AVXWLDMK     |         |
| Satellite Subscription Status                 | Subscribed   |         |
| Reason Code                                   | 00           |         |
| Suspend Year                                  | 00           |         |
| Suspend Day                                   | 00           |         |
| Enumerated USB Devices                        | 0            | No Unit |
| SD Card Readers Detected                      | 0            | No Unit |
| Aux Jack                                      | Not Inserted |         |
| USB Hubs Detected                             | 3            | No Unit |
| Stereo Blend                                  | Off          |         |
| Cabin EQ Curve Number Currently Used by Radio | 223          | events  |
| High Cut                                      | Off          |         |
| Anti-Theft Enable Status                      | On           |         |
| Front Seat Video Playback                     | Disabled     |         |
| Automated Loudness                            | Off          |         |
| Clock Defeat                                  | On           |         |
| Distortion Limiting                           | Off          |         |
| 12/24 Time Selection                          | 12 Hour Time |         |
| Splash Screen                                 | Automatic    |         |

## HVACR CONFIGURATION

| NAME                       | VALUE | UNITS |
|----------------------------|-------|-------|
| Dual Zone MTC Control (BB) | False |       |

|                                     |       |  |
|-------------------------------------|-------|--|
| MTC heater only (3Knob)             | False |  |
| DualZone ATC Control (BB)           | False |  |
| MTC w EBL (3Knob)                   | False |  |
| MTC wo EBL (3Knob)                  | False |  |
| Single Zone MTC Control (BB)        | False |  |
| DualZone ATC Control (Factory) (BB) | False |  |

**LBSS CONFIGURATION**

| NAME                       | VALUE                | UNITS |
|----------------------------|----------------------|-------|
| Steering (LHD/RHD)         | Left Hand Drive/ LHD |       |
| CFG FEATURE                | CFG_NONE             |       |
| Teen Key (RU variant only) | Yes                  |       |

**RBSS CONFIGURATION**

| NAME                       | VALUE                | UNITS |
|----------------------------|----------------------|-------|
| Teen Key (RU variant only) | Yes                  |       |
| Steering Variant (LHD/RHD) | Left Hand Drive/ LHD |       |

**FFCM CONFIGURATION**

| NAME              | VALUE          | UNITS |
|-------------------|----------------|-------|
| XCP Enabled       | False          |       |
| Traceability info | 22203300049803 |       |
| Traceability info | 02203294515913 |       |
| HIL mode Enabled  | False          |       |

**EDM CONFIGURATION**

| NAME                                 | VALUE       | UNITS |
|--------------------------------------|-------------|-------|
| Intrusion module                     | Not Present |       |
| Blind-Spot Module                    | Not Present |       |
| Video Ent. System Screen 1 Module    | Not Present |       |
| Heating Ventilation Air Conditioning | Not Present |       |
| Integrated Center Stack Module       | Not Present |       |
| Passenger Door Control Module        | Not Present |       |
| Vehicle System Interface Module      | Not Present |       |
| Rear Body Controller Module          | Not Present |       |
| Convergence Telematics Module        | Not Present |       |
| Driver Door Control Module           | Not Present |       |
| CAN I in-dash disc player module     | Present     |       |
| Right Rear Door Control Module       | Not Present |       |
| Left Power Sliding Door Module       | Not Present |       |
| Common Body Controller Int Bus       | Not Present |       |
| Left Rear Door Control Module        | Not Present |       |
| Memory Seat Module                   | Not Present |       |
| Amplifier Module                     | Not Present |       |

|                                   |                |  |
|-----------------------------------|----------------|--|
| Comfot Seats and Wheel Module     | Not Present    |  |
| Power Liftgate Module             | Not Present    |  |
| Power Top Control Module          | Not Present    |  |
| Right Power Sliding Door Module   | Not Present    |  |
| Folding Seat Module               | Not Present    |  |
| Video Ent. System Screen 2 Module | Not Present    |  |
| Radio                             | Present        |  |
| VES                               | False          |  |
| VRM                               | False          |  |
| E-Mode Feature Present            | False          |  |
| Remote Start Present              | False          |  |
| Vehicle Line                      | RU             |  |
| Body Style                        | Station Wagon  |  |
| Left/Right Hand Drive             | Not Programmed |  |
| Vehicle Brand Type                | Chrysler       |  |

## RCCC CONFIGURATION

| NAME                    | VALUE | UNITS |
|-------------------------|-------|-------|
| MTC with EBL            | False |       |
| DualZone ATC Control    | True  |       |
| MTC Heater Only         | False |       |
| Single Zone MTC Control | False |       |
| Dual Zone MTC Control   | False |       |
| DualZone ATC Control    | False |       |
| MTC without EBL         | False |       |

## ABSO CONFIGURATION

| NAME                       | VALUE     | UNITS   |
|----------------------------|-----------|---------|
| Engine Displacement        | 3.6       | No Unit |
| ESC BLA Enabled            | False     |         |
| PN ESC Byte2               | 0         |         |
| PN ESC Byte1               | 0         |         |
| Drive Configuration        | 2WD Front |         |
| Dynamic Tire Circumference | 89        | inch    |
| VC Chassis Type            | Type 8    |         |
| Axle Ratio                 | 3.251     | No Unit |
| Hardwired VSO              | True      |         |
| ACC                        | True      |         |
| Multiple Pressure Sensors  | True      |         |
| Rear Directional Sensors   | True      |         |
| Feature PIN                | False     |         |
| Front Directional Sensors  | False     |         |
| EPB                        | True      |         |



## DTC 10-14-2021

**Vehicle** 2021 CHRYSLER PACIFICA (PHEV) 3.6L V6 HYBRID ENGINE  
**VIN** [REDACTED]

**Odometer** 7147.4 miles  
**Publication Date** Oct 14, 2021, 11:26:28 AM

## DTC SUMMARY

| ECU  | DTC CODE | DTC DESCRIPTION                                                           | STATUS |
|------|----------|---------------------------------------------------------------------------|--------|
| HVAC | B10EB-00 | Blower Power Module-                                                      | Stored |
| MSM  | B233C-00 | Commanded Position Not Reachable-                                         | Stored |
| ACC  | C2225-00 | PCM Disabled ECU-                                                         | Stored |
| BPCM | P1A9A-00 | Hybrid/EV Battery Temperature Sensor 1 Out of Range Low-                  | Stored |
| BPCM | P1A9E-00 | Hybrid/EV Battery Temperature Sensor 2 Out of Range Low-                  | Stored |
| VRM  | B15AE-00 | Lost Low Voltage Differential Signal (LVDS) Connection with Media Port 2- | Stored |

## ENVIRONMENTAL DATA SUMMARY

### HVAC | B10EB-00 | Stored | Blower Power Module-

| NAME                                    | VALUE | UNITS |
|-----------------------------------------|-------|-------|
| Test Failed                             | False |       |
| Test Failed This Operation Cycle        | False |       |
| Pending DTC                             | False |       |
| Confirmed DTC                           | True  |       |
| Test Not Completed Since Last Clear     | False |       |
| Test Failed Since Last Clear            | True  |       |
| Test Not Completed This Operation Cycle | False |       |
| Warning Indicator Requested             | False |       |
| Occurrence flag                         | Error |       |
| Original Odometer Value                 | 7138  | miles |
| Most Recent Odometer Value              | 7138  | miles |
| Frequency Counter                       | 2     |       |
| Ignition Cycle Counter                  | 9     |       |

### MSM | B233C-00 | Stored | Commanded Position Not Reachable-

| NAME                                               | VALUE                        | UNITS |
|----------------------------------------------------|------------------------------|-------|
| Failed Movement Information - Horizontal Motor     | Movement aborted by operator |       |
| Failed Movement Information - Recliner Motor       | No Failed Movement           |       |
| Failed Movement Information - Vertical Front Motor | No Failed Movement           |       |

|                                                   |                      |        |
|---------------------------------------------------|----------------------|--------|
| Failed Movement Information - Vertical Rear Motor | No Failed Movement   |        |
| Obstacle Detection Location - Horizontal Motor    | No Obstacle Detected | Counts |
| Horizontal Motor Position - end of movement       | 32641                | Counts |
| Recliner Motor Position - end of movement         | 32082                | Counts |
| Vertical Front Motor Position - end of movement   | 33263                | Counts |
| Vertical Rear Motor Position - end of movement    | 33278                | Counts |
| Horizontal Motor Position - start of movement     | 32445                | Counts |
| Recliner Motor Position - start of movement       | 32082                | Counts |
| Vertical Front Motor Position - start of movement | 33263                | Counts |
| Vertical Rear Motor Position - start of movement  | 33278                | Counts |
| ECU Voltage - at start of movement                | 3892                 | Volts  |
| ECU Voltage - minimum voltage during movement     | 36D6                 | Volts  |
| Movement Direction - Recliner Motor               | Motor not moving     |        |
| Movement Direction - Horizontal Motor             | Forward / Up         |        |
| Movement Direction - Vertical Front Motor         | Motor not moving     |        |
| Movement Direction - Vertical Rear Motor          | Motor not moving     |        |

#### ACC | C2225-00 | Stored | PCM Disabled ECU-

| NAME                                    | VALUE   | UNITS  |
|-----------------------------------------|---------|--------|
| Test Failed                             | False   |        |
| Test Failed This Operation Cycle        | False   |        |
| Pending DTC                             | False   |        |
| Confirmed DTC                           | True    |        |
| Test Not Completed Since Last Clear     | False   |        |
| Test Failed Since Last Clear            | True    |        |
| Test Not Completed This Operation Cycle | False   |        |
| Warning Indicator Requested             | False   |        |
| Occurrence flag                         | Error   |        |
| Original Odometer Value                 | 7138    | miles  |
| Most Recent Odometer Value              | 7138    | miles  |
| Frequency Counter                       | 1       |        |
| Operation Cycle Counter                 | 8       |        |
| Vehicle Speed                           | 0       | MPH    |
| Engine RPM                              | 1376    | rpm    |
| ACC Set Speed                           | 71      | MPH    |
| Object of Interest Distance             | 830     | FEET   |
| Engine Torque Request                   | SNA     | Ft-Lbs |
| PRNDL Status                            | P range |        |
| Ignition Voltage                        | 14.3    |        |
| System Voltage                          | 14.4    | Volts  |

#### BPCM | P1A9A-00 | Stored | Hybrid/EV Battery Temperature Sensor 1 Out of Range Low-

| NAME              | VALUE | UNITS |
|-------------------|-------|-------|
| Frequency Counter | 1     |       |

|                                                                |                        |         |
|----------------------------------------------------------------|------------------------|---------|
| Ignition Cycle Counter                                         | 1                      |         |
| FoM - for this DTC (lifetime fails)                            | 3                      | events  |
| FoM - for this DTC (lifetime fails counts on pass)             | 35.1200                | seconds |
| FoM - for this DTC (lifetime longest fail on pass)             | 8.000                  | seconds |
| Battery Total Time Awake                                       | 26783288               | seconds |
| Key in Ignition                                                | Key_Def                |         |
| Key Position                                                   | Ign_Lock               |         |
| EPT -WakeUp                                                    | Not Sourced            |         |
| HCP Contactor Command                                          | Open                   |         |
| Qualified Contactor Command - QCC                              | Open                   |         |
| Verified Contactor Command - VCC                               | Open                   |         |
| Contactor Status                                               | Open                   |         |
| Plug in Status                                                 | Not plugged in         |         |
| ChargingLevel                                                  | Plug in, but no charge |         |
| Balance Mode                                                   | False                  |         |
| Battery in Periodic wake up (Just battery ) at time of Fault   | False                  |         |
| Battery in Periodic wake up (Wake up vehicle) at time of Fault | False                  |         |
| Vehicle mileage at time of fault (ODO signal in \$3D2)         | 7147.15                | miles   |
| Battery Lifetime Miles                                         | CD80C2                 | miles   |
| Vehicle Speed                                                  | 0.0                    | MPH     |
| System (12) Volts at time of fault                             | 12.809                 | Volts   |
| Battery Lifetime AmpHrs of Charge                              | 7069.4                 | AHr     |
| Battery Lifetime AmpHrs of DisCharge                           | 7048.4                 | AHr     |
| SOC at time of Fault                                           | 26.3                   | %       |
| Power Up SOC at time of Fault                                  | 23.1                   | %       |
| HVIL Status -Vehicle                                           | Not Sourced            |         |
| HVIL Status - Battery pack                                     | PASS                   |         |
| HVIL PWM Duty Cycle - Vehicle                                  | 0.0                    | %       |
| HVIL PWM Frequency - Vehicle                                   | 0.0                    | Hz      |
| HVIL PWM peak voltage Sourced - Vehicle                        | 0.275                  | Volts   |
| HVIL PWM peak voltage Sensed - Vehicle                         | 0.268                  | Volts   |
| HVIL Source Voltage- Battery                                   | 1.377                  | Volts   |
| HVIL Returned current - Battery                                | 30.60                  | mA      |
| HV Battery Current Sensor 1 Hall High                          | -1.90                  | Amps    |
| HV Battery Current Sensor 2 Hall Low                           | -0.05                  | Amps    |
| HV Battery Current HVBatCrnt                                   | 0.00                   | Amps    |
| HV Cooling Speed Pump 1 Target                                 | 0                      | rpm     |
| HV Cooling Speed pump 1 Speed                                  | 0                      | rpm     |
| Charge indicator Temp                                          | 73                     | °F      |
| BPCM temperature max                                           | 131                    | °F      |
| BPCM temperature min                                           | 124                    | °F      |
| Pump - Wire Open\Short to Gnd                                  | PASS                   |         |
| Pump - Dry Run Detection                                       | PASS                   |         |
| Pump - Overcurrent                                             | PASS                   |         |

|                                                                  |             |         |
|------------------------------------------------------------------|-------------|---------|
| Pump - Overtemperature                                           | PASS        |         |
| Pump - Switch Power Shorted                                      | PASS        |         |
| Isolation Circuitry Va                                           | 2.500       | Volts   |
| Isolation Circuitry Vb                                           | 2.501       | Volts   |
| Isolation Circuitry Vd                                           | 0.000       | Volts   |
| WC and Circuitry 2.5V Reference Voltage                          | 2.501       | Volts   |
| WC and Circuitry Vcc Voltage                                     | 5.007       | Volts   |
| WC and CircuitryISO 8V Reference Voltage                         | 7.973       | Volts   |
| WC and Circuitry Weld Contactor Sensor G (Pack Negative) Voltage | 0.0         | Volts   |
| Cycles left to self heal                                         | 40          | No Unit |
| Fault trigger level 1                                            | False       |         |
| Fault trigger level 2                                            | False       |         |
| Fault trigger level 3                                            | False       |         |
| Fault Path                                                       | 01          |         |
| HV Battery Charge Power 2sec                                     | 3000        | watts   |
| HV Battery Charge Power 10sec                                    | 3000        | watts   |
| HV Battery Discharge Power 2sec                                  | 3000        | watts   |
| HV Battery Discharge Power 10sec                                 | 3000        | watts   |
| HV Battery Power                                                 | 007530      | watts   |
| Key - DriveRdy (CAN)                                             | True        |         |
| Battery Lifetime Number Of Closes                                | 2986        |         |
| Battery Full AmpHr Capacity                                      | 48          | AmpHrs  |
| Cell Impedance Max Discharge                                     | 0           | mOhms   |
| Cell Impedance Mim Discharge                                     | 0           | mOhms   |
| Battery Cell Voltage Maximum                                     | 3585        | mV      |
| Battery Cell Voltage Minimum                                     | 3578        | mV      |
| Battery Cell Voltage Average                                     | 3582        | mV      |
| Battery Cell Highest Cell number                                 | 03          |         |
| Battery Cell Lowest Cell number                                  | 41          |         |
| HV Battery Voltage (cell sum)                                    | 343.90      | Volts   |
| HV Battery Voltage (Module Sum)                                  | 343.80      | Volts   |
| HV Sensor A Pack Voltage                                         | 343.90      | Volts   |
| HV Sensor B Bus\Link (Pre-Fuse) Voltage                          | 1.40        | Volts   |
| HV Sensor C OBCM (HVOBC Fuse) Voltage                            | 0.80        | Volts   |
| HV Sensor D Heater (HVHTR Fuse) Voltage                          | 0.80        | Volts   |
| HV Sensor G Weld Contactor(Pack Negative) Voltage                | 0.0         | Volts   |
| Battery Temperature Maximum Module                               | 131         | °F      |
| Battery Temperature Minimum Module                               | 124         | °F      |
| Battery Temperature Average Module                               | 127         | °F      |
| Battery Temperature Highest Sensor number                        | 03          |         |
| Battery Temperature Lowest Sensor number                         | 01          |         |
| Battery Temperature Number of Failing Sensors                    | 00          |         |
| HV Cooling Pump Relay Drive                                      | Not Sourced |         |
| HV Cooling Battery coolant inlet temp                            | 145         | °F      |

|                                         |                         |           |
|-----------------------------------------|-------------------------|-----------|
| HV Cooling Battery coolant outlet temp  | 145                     | °F        |
| HV Cooling OBCM temp inlet Temp         | 93                      | °F        |
| Pump - Battery Coolant Level Low        | False                   |           |
| Isolation Vehicle Diagnostic Status     | Run and Passed          |           |
| Isolation Vehicle Impedance             | 7.1372                  | Mega Ohms |
| Isolation Battery Diagnostic Status     | Run and Passed          |           |
| Isolation Battery Impedance             | 0.8480                  | Mega Ohms |
| HV Bat SOH-R                            | 96.5                    | %         |
| HV Bat SOH-C                            | 91.8                    | %         |
| BPCM Sec Asic Reset Req                 | Not Active              |           |
| BPCM Sec QA Error Counter               | 0                       | cnts      |
| BPCM Sec MM Hw Reset Error Counter      | 0                       | cnts      |
| BPCM Sec Asic Fault Input               | Not Active              |           |
| BPCM Sec CC Path Test Active            | Not Active              |           |
| BPCM L2 General Monitoring Flt Rsn      | L2L1_CELL_MAX_V_CMP_FLT |           |
| BPCM L2 CC Path Test Req                | Undetermined            |           |
| BPCM L2 Contactor Dslb Req              | Undetermined            |           |
| BPCM L2 ASIC Diagnostic Flt Rsn         | ADCTest                 |           |
| BPCM Sec HW Timer Status                | Not Active              |           |
| BPCM Sec Contactor State                | Open                    |           |
| BPCM Main HW Timer Status               | Not Active              |           |
| BPCM Sec Asic Fault State               | NOTASSERTED             |           |
| BPCM L2 SM Hw Reset Error Counter       | 0                       | No Unit   |
| Engine Speed                            | 0                       | rpm       |
| Accelerator position                    | 7.5                     | %         |
| Real time clock                         | 429496.7295             | seconds   |
| Real time clock-OS Task Delay Timer     | 0                       |           |
| Real Time Clock Validity                | True                    |           |
| DTC                                     | 1A 9A 00                |           |
| Test Failed                             | False                   |           |
| Test Failed This Operation Cycle        | False                   |           |
| Pending DTC                             | False                   |           |
| Confirmed DTC                           | True                    |           |
| Test Not Completed Since Last Clear     | False                   |           |
| Test Failed Since Last Clear            | True                    |           |
| Test Not Completed This Operation Cycle | False                   |           |
| Warning Indicator Requested             | False                   |           |
| DTC Extended Data Record Number - All   | 01                      |           |
| Occurrence flag                         | Error                   |           |
| Original Odometer Value                 | 7138                    | miles     |
| Most Recent Odometer Value              | 7138                    | miles     |
| DTC Extended Data Record Number - 2     | 60                      |           |



| NAME                                                           | VALUE                  | UNITS   |
|----------------------------------------------------------------|------------------------|---------|
| Frequency Counter                                              | 1                      |         |
| Ignition Cycle Counter                                         | 1                      |         |
| FoM - for this DTC (lifetime fails)                            | 3                      | events  |
| FoM - for this DTC (lifetime fails counts on pass)             | 24.8799                | seconds |
| FoM - for this DTC (lifetime longest fail on pass)             | 4.960                  | seconds |
| Battery Total Time Awake                                       | 26783232               | seconds |
| Key in Ignition                                                | Key_Def                |         |
| Key Position                                                   | Ign_ Run               |         |
| EPT -WakeUp                                                    | Sourced                |         |
| HCP Contactor Command                                          | Closed                 |         |
| Qualified Contactor Command - QCC                              | Closed                 |         |
| Verified Contactor Command - VCC                               | Closed Restricted      |         |
| Contactor Status                                               | Closed                 |         |
| Plug in Status                                                 | Not plugged in         |         |
| ChargingLevel                                                  | Plug in, but no charge |         |
| Balance Mode                                                   | False                  |         |
| Battery in Periodic wake up (Just battery ) at time of Fault   | False                  |         |
| Battery in Periodic wake up (Wake up vehicle) at time of Fault | False                  |         |
| Vehicle mileage at time of fault (ODO signal in \$3D2)         | 7147.15                | miles   |
| Battery Lifetime Miles                                         | CD80C2                 | miles   |
| Vehicle Speed                                                  | 0.0                    | MPH     |
| System (12) Volts at time of fault                             | 14.507                 | Volts   |
| Battery Lifetime AmpHrs of Charge                              | 7069.4                 | AHr     |
| Battery Lifetime AmpHrs of DisCharge                           | 7048.4                 | AHr     |
| SOC at time of Fault                                           | 26.3                   | %       |
| Power Up SOC at time of Fault                                  | 23.1                   | %       |
| HVIL Status -Vehicle                                           | PASS                   |         |
| HVIL Status - Battery pack                                     | PASS                   |         |
| HVIL PWM Duty Cycle - Vehicle                                  | 50.2                   | %       |
| HVIL PWM Frequency - Vehicle                                   | 87.9                   | Hz      |
| HVIL PWM peak voltage Sourced - Vehicle                        | 13.408                 | Volts   |
| HVIL PWM peak voltage Sensed - Vehicle                         | 13.349                 | Volts   |
| HVIL Source Voltage- Battery                                   | 1.385                  | Volts   |
| HVIL Returned current - Battery                                | 30.70                  | mA      |
| HV Battery Current Sensor 1 Hall High                          | -4.65                  | Amps    |
| HV Battery Current Sensor 2 Hall Low                           | -3.00                  | Amps    |
| HV Battery Current HVBatCrnt                                   | -3.45                  | Amps    |
| HV Cooling Speed Pump 1 Target                                 | 600                    | rpm     |
| HV Cooling Speed pump 1 Speed                                  | 600                    | rpm     |
| Charge indicator Temp                                          | 73                     | °F      |
| BPCM temperature max                                           | 131                    | °F      |
| BPCM temperature min                                           | 124                    | °F      |
| Pump - Wire Open\Short to Gnd                                  | PASS                   |         |

|                                                                  |        |         |
|------------------------------------------------------------------|--------|---------|
| Pump - Dry Run Detection                                         | PASS   |         |
| Pump - Overcurrent                                               | PASS   |         |
| Pump - Overtemperature                                           | PASS   |         |
| Pump - Switch Power Shorted                                      | PASS   |         |
| Isolation Circuitry Va                                           | 2.545  | Volts   |
| Isolation Circuitry Vb                                           | 2.502  | Volts   |
| Isolation Circuitry Vd                                           | 0.000  | Volts   |
| WC and Circuitry 2.5V Reference Voltage                          | 2.501  | Volts   |
| WC and Circuitry Vcc Voltage                                     | 5.019  | Volts   |
| WC and CircuitryISO 8V Reference Voltage                         | 7.973  | Volts   |
| WC and Circuitry Weld Contactor Sensor G (Pack Negative) Voltage | 0.6    | Volts   |
| Cycles left to self heal                                         | 40     | No Unit |
| Fault trigger level 1                                            | False  |         |
| Fault trigger level 2                                            | False  |         |
| Fault trigger level 3                                            | False  |         |
| Fault Path                                                       | 01     |         |
| HV Battery Charge Power 2sec                                     | 3000   | watts   |
| HV Battery Charge Power 10sec                                    | 300    | watts   |
| HV Battery Discharge Power 2sec                                  | 3000   | watts   |
| HV Battery Discharge Power 10sec                                 | 300    | watts   |
| HV Battery Power                                                 | 0074B9 | watts   |
| Key - DriveRdy (CAN)                                             | True   |         |
| Battery Lifetime Number Of Closes                                | 2986   |         |
| Battery Full AmpHr Capacity                                      | 48     | AmpHrs  |
| Cell Impedance Max Discharge                                     | 0      | mOhms   |
| Cell Impedance Mim Discharge                                     | 0      | mOhms   |
| Battery Cell Voltage Maximum                                     | 3589   | mV      |
| Battery Cell Voltage Minimum                                     | 3581   | mV      |
| Battery Cell Voltage Average                                     | 3586   | mV      |
| Battery Cell Highest Cell number                                 | 02     |         |
| Battery Cell Lowest Cell number                                  | 43     |         |
| HV Battery Voltage (cell sum)                                    | 344.20 | Volts   |
| HV Battery Voltage (Module Sum)                                  | 344.20 | Volts   |
| HV Sensor A Pack Voltage                                         | 344.30 | Volts   |
| HV Sensor B Bus\Link (Pre-Fuse) Voltage                          | 344.30 | Volts   |
| HV Sensor C OBCM (HVOBC Fuse) Voltage                            | 344.30 | Volts   |
| HV Sensor D Heater (HVHTR Fuse) Voltage                          | 344.30 | Volts   |
| HV Sensor G Weld Contactor(Pack Negative) Voltage                | 0.6    | Volts   |
| Battery Temperature Maximum Module                               | 131    | °F      |
| Battery Temperature Minimum Module                               | 124    | °F      |
| Battery Temperature Average Module                               | 127    | °F      |
| Battery Temperature Highest Sensor number                        | 03     |         |
| Battery Temperature Lowest Sensor number                         | 01     |         |
| Battery Temperature Number of Failing Sensors                    | 00     |         |

|                                         |                         |           |
|-----------------------------------------|-------------------------|-----------|
| HV Cooling Pump Relay Drive             | Not Sourced             |           |
| HV Cooling Battery coolant inlet temp   | 144                     | °F        |
| HV Cooling Battery coolant outlet temp  | 144                     | °F        |
| HV Cooling OBCM temp inlet Temp         | 93                      | °F        |
| Pump - Battery Coolant Level Low        | False                   |           |
| Isolation Vehicle Diagnostic Status     | Run and Passed          |           |
| Isolation Vehicle Impedance             | 6.9995                  | Mega Ohms |
| Isolation Battery Diagnostic Status     | Run and Passed          |           |
| Isolation Battery Impedance             | 0.8480                  | Mega Ohms |
| HV Bat SOH-R                            | 96.5                    | %         |
| HV Bat SOH-C                            | 91.8                    | %         |
| BPCM Sec Asic Reset Req                 | Not Active              |           |
| BPCM Sec QA Error Counter               | 0                       | cnts      |
| BPCM Sec MM Hw Reset Error Counter      | 0                       | cnts      |
| BPCM Sec Asic Fault Input               | Not Active              |           |
| BPCM Sec CC Path Test Active            | Not Active              |           |
| BPCM L2 General Monitoring Flt Rsn      | L2L1_CELL_MAX_V_CMP_FLT |           |
| BPCM L2 CC Path Test Req                | Undetermined            |           |
| BPCM L2 Contactor Dslb Req              | Undetermined            |           |
| BPCM L2 ASIC Diagnostic Flt Rsn         | ADCTest                 |           |
| BPCM Sec HW Timer Status                | Not Active              |           |
| BPCM Sec Contactor State                | Close                   |           |
| BPCM Main HW Timer Status               | Not Active              |           |
| BPCM Sec Asic Fault State               | NOTASSERTED             |           |
| BPCM L2 SM Hw Reset Error Counter       | 0                       | No Unit   |
| Engine Speed                            | 4950                    | rpm       |
| Accelerator position                    | 7.8                     | %         |
| Real time clock                         | 429496.7295             | seconds   |
| Real time clock-OS Task Delay Timer     | 0                       |           |
| Real Time Clock Validity                | True                    |           |
| DTC                                     | 1A 9E 00                |           |
| Test Failed                             | False                   |           |
| Test Failed This Operation Cycle        | False                   |           |
| Pending DTC                             | False                   |           |
| Confirmed DTC                           | True                    |           |
| Test Not Completed Since Last Clear     | False                   |           |
| Test Failed Since Last Clear            | True                    |           |
| Test Not Completed This Operation Cycle | False                   |           |
| Warning Indicator Requested             | False                   |           |
| DTC Extended Data Record Number - All   | 01                      |           |
| Occurrence flag                         | Error                   |           |
| Original Odometer Value                 | 7138                    | miles     |
| Most Recent Odometer Value              | 7138                    | miles     |
| DTC Extended Data Record Number - 2     | 62                      |           |

**VRM | B15AE-00 | Stored | Lost Low Voltage Differential Signal (LVDS) Connection with Media Port 2-**

| NAME                                    | VALUE    | UNITS |
|-----------------------------------------|----------|-------|
| DTC                                     | 95 AE 00 |       |
| Test Failed                             | False    |       |
| Test Failed This Operation Cycle        | False    |       |
| Pending DTC                             | False    |       |
| Confirmed DTC                           | True     |       |
| Test Not Completed Since Last Clear     | False    |       |
| Test Failed Since Last Clear            | True     |       |
| Test Not Completed This Operation Cycle | False    |       |
| Warning Indicator Requested             | False    |       |
| DTC Extended Data Record Number - All   | 01       |       |
| Occurrence flag                         | Error    |       |
| Original Odometer Value                 | 6969     | miles |
| Most Recent Odometer Value              | 6969     | miles |
| Frequency Counter                       | 1        |       |
| Ignition Cycle Counter                  | 56       |       |

**FREEZE FRAME DATA**

No Carb data available

No Freeze Frame #1 data available

No Freeze Frame #2 data available

No Freeze Frame #3 data available

No MisFire data available

No Most Recent DTC data available

**EVENT DATA**

No Event Data available

**SNAPSHOT DATA SUMMARY**

No Snapshot Data available for B10EB-00

No Snapshot Data available for B233C-00

No Snapshot Data available for C2225-00

No Snapshot Data available for P1A9A-00

No Snapshot Data available for P1A9E-00

No Snapshot Data available for B15AE-00



## DTC

**Vehicle** 2021 CHRYSLER PACIFICA (PHEV) 3.6L V6 HYBRID ENGINE  
**VIN** [REDACTED]

**Odometer** 5437.8 miles  
**Publication Date** Aug 5, 2021, 11:03:17 AM

## FREEZE FRAME DATA

### Carb

**CODE: U1409 | ECU: PCM**

| NAME                              | VALUE    | UNITS   |
|-----------------------------------|----------|---------|
| Barometric Pressure               | 14       | PSI     |
| Throttle Flow Adaptive            | -0.511   | g/s     |
| Commanded EGR Duty Cycle          | 0.0      | %       |
| PCM Mileage Since MIL On          | 0.0000   | miles   |
| Phi Adaption Value                | 0.00000  | Mult    |
| MAP                               | 14       | PSI     |
| Short Term Fuel Trim - Bank 2     | -0.0     | %       |
| Calculated MAP                    | 14.3     | PSI     |
| Throttle Outlet Temp              | -40.00   | °F      |
| Ethanol Gas For Sure              | No       |         |
| Freeze Frame Engine Coolant Temp  | 81       | °F      |
| APP 2 Voltage                     | 0.1955   | Volts   |
| Brake Switch 2                    | Released |         |
| Purge Solenoid Current            | 0.000    | mA      |
| Ethanol Trigger On Fuel Vol Fault | No       |         |
| TPS 1 Voltage                     | 0.6966   | Volts   |
| Short Term Fuel Trim - Bank 1     | -0.0     | %       |
| Fuel Type Being Used              | Gasoline |         |
| Battery Voltage                   | 14.7004  | Volts   |
| Freeze Frame DTC Priority         | 01       |         |
| ETC Motor Directional Duty Cycle  | -15.4    | %DC     |
| Catalyst Temp                     | 77       | °F      |
| Control Module Volts              | 14.823   | V       |
| Time Since Run / Start            | 5        | seconds |
| Air Charge Temp - Bank 2          | -40.00   | °F      |
| TPS 2 Voltage                     | 4.2907   | Volts   |
| APP Pedal Percent                 | 0.00     | %       |
| Brake Switch Pressed              | No       |         |

|                                       |            |         |
|---------------------------------------|------------|---------|
| Alcohol Fuel Percent                  | 0.00       | %       |
| Potential Torque                      | 0.00       | Ft-Lbs  |
| EGR Error                             | 0.00000    |         |
| Brake Switch 1                        | Released   |         |
| Intake Air Charge Temp                | 77.00      | °F      |
| Commanded Throttle Actuator Control   | 3.9        | %       |
| Long Term Fuel Trim - Bank 2          | -0.0       | %       |
| Purge Duty Cycle                      | 0.0        | %       |
| Throttle Flow Multiplicative Adaptive | -0.01034   | Mult    |
| Engine RPM                            | 0.00       | rpm     |
| Ethanol Fine Tune Complete Prev       | No         |         |
| Fuel Level Percent                    | 58.8       | %       |
| Commanded Equivalence Ratio           | 2.00       |         |
| Low Ethanol Therm Mgmnt Flag          | No         |         |
| Fuel Rail Pressure                    | 0          | PSI     |
| Engine Load                           | 0.0        | %       |
| Freeze Frame Caused by DTC            | D4 09      |         |
| Mass Airflow Rate                     | 0.00       | g/s     |
| Air Charge Temp - Bank 1              | -40.00     | °F      |
| ETC Motor Duty Cycle                  | 15.4       | %DC     |
| Ignition Run/Start Switch             | On         |         |
| APP 1 Voltage                         | 0.3910     | Volts   |
| Absolute Load Value                   | 0          | %       |
| Low Ethanol PWR Enrich Flag           | No         |         |
| Freeze Frame MAP Vacuum               | 0.00       | in Hg   |
| Long Term Fuel Trim - Bank 1          | -0.0       | %       |
| PCM Odometer                          | 5423.1040  | miles   |
| Ambient Air Temperature               | 70         | °F      |
| MAP Voltage                           | 4.37       | Volts   |
| AC Clutch                             | Disengaged |         |
| AC Switch                             | Off        |         |
| Cooled EGR Temp                       | -40        | deg C/s |
| Vehicle Speed                         | 0          | MPH     |
| Actual Torque                         | -16.61     | Ft-Lbs  |
| H-Bridge Circuit                      | Enable     |         |
| Current Adaptive Cell ID              | 18         |         |
| Fuel Tank Pressure                    | 3070.00    | Pa      |
| Spark Advance                         | -64.0      | degrees |
| Fuel Rail Pressure                    | 57         | PSI     |
| Relative Throttle Position            | 3.9        | %       |

**Freeze Frame #1****CODE: U1409 | ECU: PCM**

| NAME | VALUE | UNITS |
|------|-------|-------|
|------|-------|-------|

|                                       |            |         |
|---------------------------------------|------------|---------|
| Current Adaptive Cell ID              | 18         |         |
| MAP                                   | 14         | PSI     |
| Time Since Run / Start                | 5          | seconds |
| Long Term Fuel Trim - Bank 2          | -0.0       | %       |
| Air Charge Temp - Bank 2              | -40        | °F      |
| Air Charge Temp - Bank 1              | -40        | °F      |
| Catalyst Temp                         | 77         | °F      |
| Calculated MAP                        | 14.3       | PSI     |
| Alcohol Fuel Percent                  | 0.00       | %       |
| Actual Torque                         | -16.61     | Ft-Lbs  |
| Fuel Type Being Used                  | Gasoline   |         |
| Short Term Fuel Trim - Bank 2         | -0.0       | %       |
| Throttle Flow Adaptive                | -0.511     | g/s     |
| Cooled EGR Temp                       | -40        | deg C/s |
| EGR Error                             | -100.0     | %       |
| Phi Adaption Value                    | 0.00000    | Mult    |
| Relative Throttle Position            | 3.92       | %       |
| Commanded Throttle Actuator Control   | 3.92       | %       |
| Throttle Outlet Pressure              | 0          | PSI     |
| Ethanol Fine Tune Complete Prev       | No         |         |
| APP 1 Voltage                         | 0.3910     | Volts   |
| Purge Solenoid Current                | 0.000      | mA      |
| Low Ethanol Therm Mgmnt Flag          | No         |         |
| Barometric Pressure                   | 14         | PSI     |
| Absolute Load Value                   | 0          | %       |
| Potential Torque                      | 0.00       | Ft-Lbs  |
| APP 2 Voltage                         | 0.1955     | Volts   |
| Brake Switch 1                        | Released   |         |
| MAP Voltage                           | 4.37       | Volts   |
| Vehicle Speed                         | 0          | MPH     |
| Ethanol Gas For Sure                  | No         |         |
| TPS 2 Voltage                         | 4.2907     | Volts   |
| Purge Duty Cycle                      | 0.0        | %       |
| PCM Mileage Since MIL On              | 0.0000     | miles   |
| AC Clutch                             | Disengaged |         |
| Ethanol Trigger On Fuel Vol Fault     | No         |         |
| Mass Airflow Rate                     | 0.00       | g/s     |
| Throttle Outlet Temp                  | -40        | °F      |
| AC Switch                             | Off        |         |
| Throttle Flow Multiplicative Adaptive | -0.01034   | Mult    |
| Commanded EGR Duty Cycle              | 0.00       | %       |
| Battery Voltage                       | 14.7004    | Volts   |
| Engine Load                           | 0.0        | %       |
| Ignition Run/Start Switch             | On         |         |

|                                  |           |         |
|----------------------------------|-----------|---------|
| Brake Switch Pressed             | No        |         |
| Intake Air Charge Temp           | 77        | °F      |
| MAP - Bank 2                     | 0         | PSI     |
| Ambient Air Temperature          | 70        | °F      |
| Vacuum                           | 0.00      | in Hg   |
| Engine RPM                       | 0.00      | rpm     |
| Spark Advance                    | -64.0     | degrees |
| Freeze Frame Caused by DTC       | D4 09     |         |
| MAP - Bank 1                     | 0         | PSI     |
| Fuel Rail Pressure               | 57        | PSI     |
| Long Term Fuel Trim - Bank 1     | -0.0      | %       |
| ETC Motor Duty Cycle             | 15.4      | %DC     |
| Fuel Level Percent               | 58.8      | %       |
| Low Ethanol PWR Enrich Flag      | No        |         |
| Fuel Tank Pressure               | 3070.00   | Pa      |
| Engine Coolant Temperature       | 81        | °F      |
| Intermediate MAP                 | 0         | PSI     |
| Commanded Equivalence Ratio      | 2.00      |         |
| APP Pedal Percent                | 0.00      | %       |
| H-Bridge Circuit                 | Enable    |         |
| TPS 1 Voltage                    | 0.6966    | Volts   |
| Freeze Frame DTC Priority        | 01        |         |
| Short Term Fuel Trim - Bank 1    | -0.0      | %       |
| Control Module Volts             | 14.823    | Volts   |
| Brake Switch 2                   | Released  |         |
| Fuel Rail Pressure               | 0         | PSI     |
| ETC Motor Directional Duty Cycle | -15.4     | %DC     |
| PCM Odometer                     | 5423.1040 | miles   |

## Freeze Frame #2

CODE: U140A | ECU: PCM

| NAME                              | VALUE   | UNITS   |
|-----------------------------------|---------|---------|
| Ethanol Trigger On Fuel Vol Fault | No      |         |
| Ignition Run/Start Switch         | On      |         |
| Throttle Outlet Temp              | -40     | °F      |
| Fuel Rail Pressure                | 0       | PSI     |
| APP 1 Voltage                     | 0.3910  | Volts   |
| Intermediate MAP                  | 0       | PSI     |
| Battery Voltage                   | 14.7004 | Volts   |
| TPS 1 Voltage                     | 0.6966  | Volts   |
| Current Adaptive Cell ID          | 18      |         |
| Time Since Run / Start            | 5       | seconds |
| Cooled EGR Temp                   | -40     | deg C/s |
| Intake Air Charge Temp            | 77      | °F      |



|                                       |            |         |
|---------------------------------------|------------|---------|
| AC Clutch                             | Disengaged |         |
| Engine Coolant Temperature            | 81         | °F      |
| MAP                                   | 14         | PSI     |
| Actual Torque                         | -16.61     | Ft-Lbs  |
| Fuel Type Being Used                  | Gasoline   |         |
| Throttle Flow Adaptive                | -0.511     | g/s     |
| Control Module Volts                  | 14.823     | Volts   |
| Brake Switch 1                        | Released   |         |
| Throttle Flow Multiplicative Adaptive | -0.01034   | Mult    |
| Potential Torque                      | 0.00       | Ft-Lbs  |
| MAP Voltage                           | 4.37       | Volts   |
| Air Charge Temp - Bank 1              | -40        | °F      |
| Freeze Frame Caused by DTC            | D4 0A      |         |
| Commanded Throttle Actuator Control   | 3.92       | %       |
| Fuel Tank Pressure                    | 3070.00    | Pa      |
| H-Bridge Circuit                      | Enable     |         |
| ETC Motor Directional Duty Cycle      | -15.4      | %DC     |
| PCM Mileage Since MIL On              | 0.0000     | miles   |
| MAP - Bank 1                          | 0          | PSI     |
| Absolute Load Value                   | 0          | %       |
| ETC Motor Duty Cycle                  | 15.4       | %DC     |
| Relative Throttle Position            | 3.92       | %       |
| Vehicle Speed                         | 0          | MPH     |
| Ambient Air Temperature               | 70         | °F      |
| Throttle Outlet Pressure              | 0          | PSI     |
| Low Ethanol PWR Enrich Flag           | No         |         |
| Long Term Fuel Trim - Bank 1          | -0.0       | %       |
| APP Pedal Percent                     | 0.00       | %       |
| Air Charge Temp - Bank 2              | -40        | °F      |
| EGR Error                             | -100.0     | %       |
| Short Term Fuel Trim - Bank 1         | -0.0       | %       |
| Spark Advance                         | -64.0      | degrees |
| Commanded EGR Duty Cycle              | 0.00       | %       |
| Brake Switch Pressed                  | No         |         |
| Commanded Equivalence Ratio           | 2.00       |         |
| AC Switch                             | Off        |         |
| Freeze Frame DTC Priority             | 03         |         |
| Vacuum                                | 0.00       | in Hg   |
| Long Term Fuel Trim - Bank 2          | -0.0       | %       |
| Low Ethanol Therm Mgmnt Flag          | No         |         |
| Purge Duty Cycle                      | 0.0        | %       |
| PCM Odometer                          | 5423.1040  | miles   |
| Brake Switch 2                        | Released   |         |
| Purge Solenoid Current                | 0.000      | mA      |

|                                 |         |       |
|---------------------------------|---------|-------|
| APP 2 Voltage                   | 0.1955  | Volts |
| TPS 2 Voltage                   | 4.2907  | Volts |
| Ethanol Gas For Sure            | No      |       |
| Barometric Pressure             | 14      | PSI   |
| Catalyst Temp                   | 77      | °F    |
| Fuel Rail Pressure              | 57      | PSI   |
| Mass Airflow Rate               | 0.00    | g/s   |
| Ethanol Fine Tune Complete Prev | No      |       |
| Alcohol Fuel Percent            | 0.00    | %     |
| Engine RPM                      | 0.00    | rpm   |
| Fuel Level Percent              | 58.8    | %     |
| Engine Load                     | 0.0     | %     |
| Phi Adaption Value              | 0.00000 | Mult  |
| Short Term Fuel Trim - Bank 2   | -0.0    | %     |
| Calculated MAP                  | 14.3    | PSI   |
| MAP - Bank 2                    | 0       | PSI   |

No Freeze Frame #3 data available

No MisFire data available

### Most Recent DTC

CODE: U140A | ECU: PCM

| NAME                                  | VALUE    | UNITS   |
|---------------------------------------|----------|---------|
| Intermediate MAP                      | 0        | PSI     |
| MAP Voltage                           | 4.37     | Volts   |
| Freeze Frame DTC Priority             | 03       |         |
| H-Bridge Circuit                      | Enable   |         |
| Relative Throttle Position            | 4        | %       |
| Throttle Flow Multiplicative Adaptive | -0.01034 | Mult    |
| Vehicle Speed                         | 0        | MPH     |
| APP 2 Voltage                         | 0.1955   | Volts   |
| Ethanol Gas For Sure                  | No       |         |
| Short Term Fuel Trim - Bank 2         | -0.0     | %       |
| Commanded Equivalence Ratio           | 2.00     |         |
| PCM Mileage Since MIL On              | 0.0000   | miles   |
| TPS 1 Voltage                         | 0.6966   | Volts   |
| Cooled EGR Temp                       | -40      | deg C/s |
| MAP - Bank 1                          | 0        | PSI     |
| Battery Voltage                       | 14.7004  | Volts   |
| AC Switch                             | Off      |         |
| Brake Switch Pressed                  | No       |         |
| Engine Coolant Temperature            | 81       | °F      |
| Catalyst Temp                         | 77       | °F      |
| MAP                                   | 14       | PSI     |

|                                     |            |         |
|-------------------------------------|------------|---------|
| Engine Load                         | 0.0        | %       |
| Throttle Outlet Pressure            | 0          | PSI     |
| Engine RPM                          | 0.00       | rpm     |
| Freeze Frame Caused by DTC          | D4 0A      |         |
| Potential Torque                    | 0.00       | Ft-Lbs  |
| Ethanol Fine Tune Complete Prev     | No         |         |
| TPS 2 Voltage                       | 4.2907     | Volts   |
| AC Clutch                           | Disengaged |         |
| ETC Motor Directional Duty Cycle    | -15.4      | %DC     |
| Fuel Type Being Used                | Gasoline   |         |
| Mass Airflow Rate                   | 0.00       | g/s     |
| MAP - Bank 2                        | 0          | PSI     |
| Absolute Load Value                 | 0          | %       |
| Low Ethanol Therm Mgmnt Flag        | No         |         |
| Fuel Rail Pressure                  | 57         | PSI     |
| Fuel Tank Pressure                  | 3070.00    | Pa      |
| Long Term Fuel Trim - Bank 1        | -0.0       | %       |
| Calculated MAP                      | 14.3       | PSI     |
| Vacuum                              | 0.00       | in Hg   |
| Fuel Level Percent                  | 58.8       | %       |
| ETC Motor Duty Cycle                | 15.4       | %DC     |
| Purge Solenoid Current              | 0.000      | mA      |
| Commanded Throttle Actuator Control | 4          | %       |
| Fuel Rail Pressure                  | 0          | PSI     |
| Actual Torque                       | -16.61     | Ft-Lbs  |
| Air Charge Temp - Bank 1            | -40        | °F      |
| Long Term Fuel Trim - Bank 2        | -0.0       | %       |
| EGR Error                           | 0.00000    |         |
| Time Since Run / Start              | 5          | seconds |
| Brake Switch 2                      | Released   |         |
| Ambient Air Temperature             | 70         | °F      |
| APP 1 Voltage                       | 0.3910     | Volts   |
| Alcohol Fuel Percent                | 0.00       | %       |
| Short Term Fuel Trim - Bank 1       | -0.0       | %       |
| Control Module Volts                | 14.823     | Volts   |
| Purge Duty Cycle                    | 0.0        | %       |
| Ignition Run/Start Switch           | On         |         |
| Throttle Outlet Temp                | -40        | °F      |
| Brake Switch 1                      | Released   |         |
| Phi Adaption Value                  | 0.00000    | Mult    |
| Commanded EGR Duty Cycle            | 0          | %       |
| Current Adaptive Cell ID            | 18         |         |
| PCM Odometer                        | 5423.1040  | miles   |
| Intake Air Charge Temp              | 77         | °F      |

|                                   |        |         |
|-----------------------------------|--------|---------|
| Low Ethanol PWR Enrich Flag       | No     |         |
| Barometric Pressure               | 14     | PSI     |
| Ethanol Trigger On Fuel Vol Fault | No     |         |
| APP Pedal Percent                 | 0.00   | %       |
| Spark Advance                     | -64.0  | degrees |
| Air Charge Temp - Bank 2          | -40    | °F      |
| Throttle Flow Adaptive            | -0.511 | g/s     |

## EVENT DATA

No Event Data available

## SNAPSHOT DATA SUMMARY

No Snapshot Data available for U140A

No Snapshot Data available for U1409

No Snapshot Data available for B1975-00

No Snapshot Data available for U0232-00

No Snapshot Data available for U0232-00

No Snapshot Data available for B233C-00

No Snapshot Data available for U0415-00

No Snapshot Data available for P1666-00

No Snapshot Data available for C2225-00

No Snapshot Data available for C2227-00

No Snapshot Data available for U0415-00

No Snapshot Data available for P1AAA-00

No Snapshot Data available for P1AAE-00

No Snapshot Data available for P1AA6-00

No Snapshot Data available for P1AA2-00

No Snapshot Data available for P1A9A-00

No Snapshot Data available for P1A9E-00

No Snapshot Data available for P062C-00

No Snapshot Data available for U0415-00

No Snapshot Data available for U1852-00

No Snapshot Data available for C0501-00

No Snapshot Data available for C0507-00

## ENVIRONMENTAL DATA SUMMARY

**PCM | U140A | Stored | Implausible Right Front Wheel Speed Signal Received**

| NAME | VALUE | UNITS |
|------|-------|-------|
|------|-------|-------|

|                                       |              |         |
|---------------------------------------|--------------|---------|
| DTC                                   | D4 0A        |         |
| DTC Readiness Flag                    | Not Complete |         |
| DTC Storage State                     | Stored       |         |
| Warning Indicator Request State       | Off          |         |
| Number of DTC                         | 1            |         |
| Odometer                              | 5424.3       | miles   |
| Accumulation Timer                    | 1            | minutes |
| Ignition Key Cycles                   | 6            |         |
| Key Cycles Since DTC Last Set Counter | 7            |         |
| Warm Up Cycles                        | 0            |         |
| Starts Since Set Counter              | 5            |         |
| Good Trip Counter                     | 0            |         |

#### PCM | U1409 | Pending | Implausible Left Front Wheel Speed Signal Received

| NAME                                  | VALUE | UNITS   |
|---------------------------------------|-------|---------|
| DTC Readiness Flag                    |       |         |
| DTC Storage State                     |       |         |
| DTC                                   |       |         |
| Warning Indicator Request State       |       |         |
| Odometer                              |       | miles   |
| Accumulation Timer                    |       | minutes |
| Starts Since Set Counter              |       |         |
| Number of DTC                         | 0     |         |
| Key Cycles Since DTC Last Set Counter |       |         |
| Good Trip Counter                     |       |         |
| Warm Up Cycles                        |       |         |
| Ignition Key Cycles                   |       |         |

#### PLGM | B1975-00 | Stored | Power Liftgate Latch Cinch - Ratchet Secondary Switch Performance-

| NAME | VALUE | UNITS |
|------|-------|-------|
|------|-------|-------|

#### DDM | U0232-00 | Stored | Lost Communication with Blind Spot Detection Module-

| NAME                                    | VALUE | UNITS |
|-----------------------------------------|-------|-------|
| Test Failed This Operation Cycle        | False |       |
| Pending DTC                             | False |       |
| Confirmed DTC                           | True  |       |
| Test Not Completed Since Last Clear     | False |       |
| Test Failed                             | False |       |
| DTC Extended Data Record Number - All   | FF    |       |
| Occurrence flag                         | ERROR |       |
| Test Not Completed This Operation Cycle | False |       |
| Warning Indicator Requested             | False |       |
| Test Failed Since Last Clear            | True  |       |
| Most Recent Odometer Value              | 4951  | miles |

|                         |      |       |
|-------------------------|------|-------|
| Original Odometer Value | 4951 | miles |
| Frequency Counter       | 1    |       |
| Operation Cycle Counter | 105  |       |

**PDM | U0232-00 | Stored | Lost Communication with Blind Spot Detection Module-**

| NAME                                    | VALUE | UNITS |
|-----------------------------------------|-------|-------|
| Test Failed This Operation Cycle        | False |       |
| Pending DTC                             | False |       |
| Confirmed DTC                           | True  |       |
| Test Not Completed Since Last Clear     | False |       |
| Test Failed                             | False |       |
| Test Not Completed This Operation Cycle | False |       |
| Warning Indicator Requested             | False |       |
| Test Failed Since Last Clear            | True  |       |
| DTC Extended Data Record Number - All   | FF    |       |
| Occurrence flag                         | ERROR |       |
| Most Recent Odometer Value              | 4951  | miles |
| Operation Cycle Counter                 | 105   |       |
| Original Odometer Value                 | 4951  | miles |
| Frequency Counter                       | 1     |       |

**MSM | B233C-00 | Stored | Commanded Position Not Reachable-**

| NAME                                               | VALUE                        | UNITS  |
|----------------------------------------------------|------------------------------|--------|
| Failed Movement Information - Horizontal Motor     | Movement aborted by operator |        |
| Failed Movement Information - Recliner Motor       | No Failed Movement           |        |
| Failed Movement Information - Vertical Front Motor | No Failed Movement           |        |
| Failed Movement Information - Vertical Rear Motor  | No Failed Movement           |        |
| Movement Direction - Recliner Motor                | Motor not moving             |        |
| Movement Direction - Vertical Front Motor          | Motor not moving             |        |
| Movement Direction - Vertical Rear Motor           | Motor not moving             |        |
| Movement Direction - Horizontal Motor              | Forward / Up                 |        |
| Obstacle Detection Location - Horizontal Motor     | No Obstacle Detected         | Counts |
| Vertical Front Motor Position - end of movement    | 33262                        | Counts |
| Recliner Motor Position - start of movement        | 32080                        | Counts |
| Vertical Front Motor Position - start of movement  | 33262                        | Counts |
| ECU Voltage - minimum voltage during movement      | 36C2                         | Volts  |
| Recliner Motor Position - end of movement          | 32080                        | Counts |
| Vertical Rear Motor Position - end of movement     | 33061                        | Counts |
| Horizontal Motor Position - start of movement      | 32535                        | Counts |
| ECU Voltage - at start of movement                 | 37DD                         | Volts  |
| Vertical Rear Motor Position - start of movement   | 33061                        | Counts |
| Horizontal Motor Position - end of movement        | 32703                        | Counts |

**PTS | U0415-00 | Stored | Invalid Data Received from Anti-Lock Brake System (ABS) Control Module "A"-**

| NAME                                    | VALUE      | UNITS |
|-----------------------------------------|------------|-------|
| DTC                                     | C4 15 00   |       |
| Test Failed                             | False      |       |
| Test Failed This Operation Cycle        | False      |       |
| Pending DTC                             | False      |       |
| Confirmed DTC                           | True       |       |
| Test Not Completed Since Last Clear     | False      |       |
| Test Failed Since Last Clear            | True       |       |
| Test Not Completed This Operation Cycle | False      |       |
| Occurrence flag                         | Occurrence |       |
| Warning Indicator Requested             | False      |       |
| DTC Extended Data Record Number - All   | 03         |       |
| Frequency Counter                       | 1          |       |
| DC/DC Converter Voltage                 | 01         | Volt  |
| Original Odometer Value                 | 5428       | miles |
| Most Recent Odometer Value              | 5428       | miles |

#### ACC | P1666-00 | Stored | Cruise Control Module Internal-

| NAME                                    | VALUE   | UNITS  |
|-----------------------------------------|---------|--------|
| Test Failed                             | False   |        |
| Test Failed This Operation Cycle        | False   |        |
| Pending DTC                             | False   |        |
| Confirmed DTC                           | True    |        |
| Test Failed Since Last Clear            | True    |        |
| Test Not Completed Since Last Clear     | False   |        |
| Test Not Completed This Operation Cycle | True    |        |
| Occurrence flag                         | ERROR   |        |
| Warning Indicator Requested             | False   |        |
| PRNDL Status                            | P range |        |
| Original Odometer Value                 | 5428    | miles  |
| Frequency Counter                       | 1       |        |
| Most Recent Odometer Value              | 5428    | miles  |
| Vehicle Speed                           | 0       | MPH    |
| Operation Cycle Counter                 | 7       |        |
| Engine RPM                              | 0       | rpm    |
| ACC Set Speed                           | 0       | MPH    |
| Object of Interest Distance             | 830     | FEET   |
| Engine Torque Request                   | SNA     | Ft-Lbs |
| Ignition Voltage                        | 14.5    |        |
| System Voltage                          | 14.5    | Volts  |

#### ACC | C2225-00 | Stored | PCM Disabled ECU-

| NAME        | VALUE | UNITS |
|-------------|-------|-------|
| Test Failed | False |       |

|                                         |         |        |
|-----------------------------------------|---------|--------|
| Test Failed This Operation Cycle        | False   |        |
| Pending DTC                             | False   |        |
| Confirmed DTC                           | True    |        |
| Test Failed Since Last Clear            | True    |        |
| Test Not Completed Since Last Clear     | False   |        |
| Test Not Completed This Operation Cycle | False   |        |
| Warning Indicator Requested             | False   |        |
| Occurrence flag                         | ERROR   |        |
| PRNDL Status                            | D range |        |
| Original Odometer Value                 | 5428    | miles  |
| Most Recent Odometer Value              | 5428    | miles  |
| Operation Cycle Counter                 | 10      |        |
| Frequency Counter                       | 1       |        |
| Engine RPM                              | 2592    | rpm    |
| Vehicle Speed                           | 60      | MPH    |
| ACC Set Speed                           | 71      | MPH    |
| Object of Interest Distance             | 830     | FEET   |
| Engine Torque Request                   | SNA     | Ft-Lbs |
| Ignition Voltage                        | 14.0    |        |
| System Voltage                          | 14.1    | Volts  |

#### ACC | C2227-00 | Stored | ABS Disabled ECU-

| NAME                                    | VALUE   | UNITS  |
|-----------------------------------------|---------|--------|
| Test Failed                             | False   |        |
| Pending DTC                             | False   |        |
| Test Failed This Operation Cycle        | False   |        |
| Confirmed DTC                           | True    |        |
| Test Not Completed Since Last Clear     | False   |        |
| Test Failed Since Last Clear            | True    |        |
| Test Not Completed This Operation Cycle | False   |        |
| Warning Indicator Requested             | False   |        |
| Occurrence flag                         | ERROR   |        |
| PRNDL Status                            | D range |        |
| Most Recent Odometer Value              | 5428    | miles  |
| Original Odometer Value                 | 5428    | miles  |
| Frequency Counter                       | 2       |        |
| Operation Cycle Counter                 | 6       |        |
| Engine RPM                              | 0       | rpm    |
| Vehicle Speed                           | 0       | MPH    |
| Object of Interest Distance             | 830     | FEET   |
| ACC Set Speed                           | 0       | MPH    |
| Engine Torque Request                   | SNA     | Ft-Lbs |
| Ignition Voltage                        | 14.5    |        |
| System Voltage                          | 14.5    | Volts  |



**ACC | U0415-00 | Stored | Invalid Data Received from Anti-Lock Brake System (ABS) Control Module "A"-**

| NAME                                    | VALUE   | UNITS  |
|-----------------------------------------|---------|--------|
| Test Failed                             | False   |        |
| Test Failed This Operation Cycle        | False   |        |
| Pending DTC                             | False   |        |
| Confirmed DTC                           | True    |        |
| Test Not Completed Since Last Clear     | False   |        |
| Test Failed Since Last Clear            | True    |        |
| Test Not Completed This Operation Cycle | True    |        |
| Warning Indicator Requested             | True    |        |
| Occurrence flag                         | ERROR   |        |
| PRNDL Status                            | P range |        |
| Original Odometer Value                 | 5428    | miles  |
| Frequency Counter                       | 1       |        |
| Most Recent Odometer Value              | 5428    | miles  |
| Operation Cycle Counter                 | 6       |        |
| Vehicle Speed                           | 0       | MPH    |
| Engine RPM                              | 0       | rpm    |
| Object of Interest Distance             | 830     | FEET   |
| Engine Torque Request                   | SNA     | Ft-Lbs |
| System Voltage                          | 14.5    | Volts  |
| ACC Set Speed                           | 0       | MPH    |
| Ignition Voltage                        | 14.4    |        |

**BPCM | P1AAA-00 | Stored | Hybrid/EV Battery Temperature Sensor 5 Out of Range Low-**

| NAME                                                           | VALUE                  | UNITS |
|----------------------------------------------------------------|------------------------|-------|
| Key in Ignition                                                | Key_Def                |       |
| Key Position                                                   | Ign_ Run               |       |
| EPT -WakeUp                                                    | Sourced                |       |
| HCP Contactor Command                                          | Open                   |       |
| Qualified Contactor Command - QCC                              | Open                   |       |
| Verified Contactor Command - VCC                               | Open                   |       |
| Contactor Status                                               | Open                   |       |
| Plug in Status                                                 | Not plugged in         |       |
| ChargingLevel                                                  | Plug in, but no charge |       |
| Balance Mode                                                   | False                  |       |
| Battery in Periodic wake up (Just battery ) at time of Fault   | False                  |       |
| Battery in Periodic wake up (Wake up vehicle) at time of Fault | False                  |       |
| HVIL Status -Vehicle                                           | PASS                   |       |
| HVIL Status - Battery pack                                     | PASS                   |       |
| Pump - Wire Open\Short to Gnd                                  | PASS                   |       |
| Pump - Dry Run Detection                                       | PASS                   |       |
| Pump - Overcurrent                                             | PASS                   |       |
| Pump - Overtemperature                                         | PASS                   |       |

|                                                    |                         |         |
|----------------------------------------------------|-------------------------|---------|
| Pump - Switch Power Shorted                        | PASS                    |         |
| Fault trigger level 3                              | False                   |         |
| Fault trigger level 1                              | False                   |         |
| Fault trigger level 2                              | False                   |         |
| Fault Path                                         | 01                      |         |
| Key - DriveRdy (CAN)                               | True                    |         |
| Battery Cell Highest Cell number                   | 01                      |         |
| Battery Cell Lowest Cell number                    | 41                      |         |
| Battery Temperature Highest Sensor number          | 03                      |         |
| Battery Temperature Lowest Sensor number           | 01                      |         |
| Battery Temperature Number of Failing Sensors      | 00                      |         |
| HV Cooling Pump Relay Drive                        | Not Sourced             |         |
| Pump - Battery Coolant Level Low                   | False                   |         |
| Isolation Vehicle Diagnostic Status                | Run and Passed          |         |
| Isolation Battery Diagnostic Status                | Run and Passed          |         |
| BPCM Sec Asic Reset Req                            | Not active              |         |
| BPCM Sec Asic Fault Input                          | Not active              |         |
| BPCM Sec CC Path Test Active                       | Not active              |         |
| BPCM L2 General Monitoring Flt Rsn                 | L2L1_CELL_MAX_V_CMP_FLT |         |
| BPCM L2 CC Path Test Req                           | Undetermined            |         |
| BPCM L2 Contactor Dslb Req                         | Undetermined            |         |
| BPCM L2 ASIC Diagnostic Flt Rsn                    | ADCTest                 |         |
| BPCM Sec HW Timer Status                           | Not active              |         |
| BPCM Sec Contactor State                           | Open                    |         |
| BPCM Main HW Timer Status                          | Not active              |         |
| BPCM Sec Asic Fault State                          | NOTASSERTED             |         |
| Real Time Clock Validity                           | True                    |         |
| DTC                                                | 1A AA 00                |         |
| Test Failed                                        | False                   |         |
| Test Failed This Operation Cycle                   | False                   |         |
| Pending DTC                                        | False                   |         |
| Confirmed DTC                                      | True                    |         |
| Test Failed Since Last Clear                       | True                    |         |
| Test Not Completed Since Last Clear                | False                   |         |
| Test Not Completed This Operation Cycle            | False                   |         |
| Warning Indicator Requested                        | False                   |         |
| DTC Extended Data Record Number - All              | 01                      |         |
| Occurrence flag                                    | ERROR                   |         |
| DTC Extended Data Record Number - 2                | 68                      |         |
| Frequency Counter                                  | 1                       |         |
| Ignition Cycle Counter                             | 2                       |         |
| FoM - for this DTC (lifetime fails)                | 1                       | events  |
| FoM - for this DTC (lifetime fails counts on pass) | 16.1600                 | seconds |
| FoM - for this DTC (lifetime longest fail on pass) | 1.760                   | seconds |

|                                                                  |          |         |
|------------------------------------------------------------------|----------|---------|
| Battery Total Time Awake                                         | 20917264 | seconds |
| Vehicle mileage at time of fault (ODO signal in \$3D2)           | 5437.30  | miles   |
| Vehicle Speed                                                    | 0.0      | MPH     |
| Battery Lifetime Miles                                           | CD55B6   | miles   |
| System (12) Volts at time of fault                               | 12.467   | Volts   |
| Battery Lifetime AmpHrs of Charge                                | 5218.9   | AHr     |
| SOC at time of Fault                                             | 26.3     | %       |
| Battery Lifetime AmpHrs of DisCharge                             | 5203.7   | AHr     |
| Power Up SOC at time of Fault                                    | 25.1     | %       |
| HVIL PWM Duty Cycle - Vehicle                                    | 50.2     | %       |
| HVIL PWM Frequency - Vehicle                                     | 87.9     | Hz      |
| HVIL PWM peak voltage Sourced - Vehicle                          | 11.318   | Volts   |
| HVIL PWM peak voltage Sensed - Vehicle                           | 11.268   | Volts   |
| HVIL Source Voltage- Battery                                     | 1.385    | Volts   |
| HVIL Returned current - Battery                                  | 30.70    | mA      |
| HV Battery Current Sensor 1 Hall High                            | -0.85    | Amps    |
| HV Battery Current Sensor 2 Hall Low                             | 0.00     | Amps    |
| HV Battery Current HVBatCrnt                                     | 0.00     | Amps    |
| HV Cooling Speed Pump 1 Target                                   | 0        | rpm     |
| HV Cooling Speed pump 1 Speed                                    | 0        | rpm     |
| Charge indicator Temp                                            | 84       | °F      |
| BPCM temperature max                                             | 131      | °F      |
| BPCM temperature min                                             | 127      | °F      |
| Isolation Circuitry Va                                           | 2.500    | Volts   |
| Isolation Circuitry Vb                                           | 2.502    | Volts   |
| Isolation Circuitry Vd                                           | 0.000    | Volts   |
| WC and Circuitry 2.5V Reference Voltage                          | 2.501    | Volts   |
| WC and Circuitry Vcc Voltage                                     | 5.009    | Volts   |
| WC and CircuitryISO 8V Reference Voltage                         | 7.973    | Volts   |
| WC and Circuitry Weld Contactor Sensor G (Pack Negative) Voltage | -1.8     | Volts   |
| Cycles left to self heal                                         | 40       | No Unit |
| HV Battery Charge Power 2sec                                     | 3000     | watts   |
| HV Battery Charge Power 10sec                                    | 3000     | watts   |
| HV Battery Discharge Power 10sec                                 | 3000     | watts   |
| HV Battery Discharge Power 2sec                                  | 3000     | watts   |
| HV Battery Power                                                 | 007530   | watts   |
| Battery Full AmpHr Capacity                                      | 47       | AmpHrs  |
| Battery Lifetime Number Of Closes                                | 2173     |         |
| Cell Impedance Max Discharge                                     | 0        | mOhms   |
| Cell Impedance Mim Discharge                                     | 0        | mOhms   |
| Battery Cell Voltage Maximum                                     | 3585     | mV      |
| Battery Cell Voltage Minimum                                     | 3578     | mV      |
| HV Battery Voltage (cell sum)                                    | 343.90   | Volts   |
| Battery Cell Voltage Average                                     | 3582     | mV      |

|                                                   |             |           |
|---------------------------------------------------|-------------|-----------|
| HV Battery Voltage (Module Sum)                   | 343.80      | Volts     |
| HV Sensor A Pack Voltage                          | 343.90      | Volts     |
| HV Sensor B Bus\Link (Pre-Fuse) Voltage           | 1.40        | Volts     |
| HV Sensor D Heater (HVHTR Fuse) Voltage           | 0.80        | Volts     |
| HV Sensor C OBCM (HVOBC Fuse) Voltage             | 0.80        | Volts     |
| HV Sensor G Weld Contactor(Pack Negative) Voltage | -1.8        | Volts     |
| Battery Temperature Minimum Module                | 127         | °F        |
| Battery Temperature Maximum Module                | 131         | °F        |
| Battery Temperature Average Module                | 129         | °F        |
| HV Cooling Battery coolant inlet temp             | 133         | °F        |
| HV Cooling Battery coolant outlet temp            | 135         | °F        |
| Isolation Vehicle Impedance                       | 6.6590      | Mega Ohms |
| Isolation Battery Impedance                       | 0.8480      | Mega Ohms |
| HV Cooling OBCM temp inlet Temp                   | 102         | °F        |
| HV Bat SOH-R                                      | 98.4        | %         |
| BPCM Sec QA Error Counter                         | 0           | cnts      |
| HV Bat SOH-C                                      | 90.6        | %         |
| BPCM Sec MM Hw Reset Error Counter                | 0           | cnts      |
| BPCM L2 SM Hw Reset Error Counter                 | 0           | No Unit   |
| Engine Speed                                      | 0           | rpm       |
| Accelerator position                              | 7.5         | %         |
| Real time clock                                   | 429496.7295 | seconds   |
| Real time clock-OS Task Delay Timer               | 0           |           |
| Original Odometer Value                           | 5428        | miles     |
| Most Recent Odometer Value                        | 5428        | miles     |

#### BPCM | P1AAE-00 | Stored | Hybrid/EV Battery Temperature Sensor 6 Out of Range Low-

| NAME                                                           | VALUE                  | UNITS |
|----------------------------------------------------------------|------------------------|-------|
| Key in Ignition                                                | Key_Def                |       |
| Key Position                                                   | Ign_ Run               |       |
| EPT -WakeUp                                                    | Sourced                |       |
| HCP Contactor Command                                          | Open                   |       |
| Qualified Contactor Command - QCC                              | Open                   |       |
| Verified Contactor Command - VCC                               | Open                   |       |
| Contactor Status                                               | Open                   |       |
| Plug in Status                                                 | Not plugged in         |       |
| ChargingLevel                                                  | Plug in, but no charge |       |
| Balance Mode                                                   | False                  |       |
| Battery in Periodic wake up (Just battery ) at time of Fault   | False                  |       |
| Battery in Periodic wake up (Wake up vehicle) at time of Fault | False                  |       |
| HVIL Status -Vehicle                                           | PASS                   |       |
| HVIL Status - Battery pack                                     | PASS                   |       |
| Pump - Dry Run Detection                                       | PASS                   |       |
| Pump - Wire Open\Short to Gnd                                  | PASS                   |       |

|                                               |                         |        |
|-----------------------------------------------|-------------------------|--------|
| Pump - Overcurrent                            | PASS                    |        |
| Pump - Overtemperature                        | PASS                    |        |
| Pump - Switch Power Shorted                   | PASS                    |        |
| Fault trigger level 1                         | False                   |        |
| Fault trigger level 3                         | False                   |        |
| Fault trigger level 2                         | False                   |        |
| Fault Path                                    | 01                      |        |
| Key - DriveRdy (CAN)                          | True                    |        |
| Battery Cell Highest Cell number              | 03                      |        |
| Battery Cell Lowest Cell number               | 41                      |        |
| Battery Temperature Highest Sensor number     | 03                      |        |
| Battery Temperature Lowest Sensor number      | 01                      |        |
| Battery Temperature Number of Failing Sensors | 00                      |        |
| HV Cooling Pump Relay Drive                   | Not Sourced             |        |
| Pump - Battery Coolant Level Low              | False                   |        |
| Isolation Vehicle Diagnostic Status           | Run and Passed          |        |
| Isolation Battery Diagnostic Status           | Run and Passed          |        |
| BPCM Sec Asic Reset Req                       | Not active              |        |
| BPCM Sec Asic Fault Input                     | Not active              |        |
| BPCM Sec CC Path Test Active                  | Not active              |        |
| BPCM L2 General Monitoring Flt Rsn            | L2L1_CELL_MAX_V_CMP_FLT |        |
| BPCM L2 CC Path Test Req                      | Undetermined            |        |
| BPCM L2 Contactor Dslb Req                    | Undetermined            |        |
| BPCM L2 ASIC Diagnostic Flt Rsn               | ADCTest                 |        |
| BPCM Sec HW Timer Status                      | Not active              |        |
| BPCM Sec Contactor State                      | Open                    |        |
| BPCM Main HW Timer Status                     | Not active              |        |
| BPCM Sec Asic Fault State                     | NOTASSERTED             |        |
| Real Time Clock Validity                      | True                    |        |
| DTC                                           | 1A AE 00                |        |
| Test Failed                                   | False                   |        |
| Test Failed This Operation Cycle              | False                   |        |
| Pending DTC                                   | False                   |        |
| Confirmed DTC                                 | True                    |        |
| Test Failed Since Last Clear                  | True                    |        |
| Test Not Completed Since Last Clear           | False                   |        |
| Test Not Completed This Operation Cycle       | False                   |        |
| Warning Indicator Requested                   | False                   |        |
| DTC Extended Data Record Number - All         | 01                      |        |
| Occurrence flag                               | ERROR                   |        |
| DTC Extended Data Record Number - 2           | 6A                      |        |
| Frequency Counter                             | 1                       |        |
| Ignition Cycle Counter                        | 2                       |        |
| FoM - for this DTC (lifetime fails)           | 1                       | events |

|                                                                  |          |         |
|------------------------------------------------------------------|----------|---------|
| FoM - for this DTC (lifetime fails counts on pass)               | 12.4000  | seconds |
| FoM - for this DTC (lifetime longest fail on pass)               | 5.440    | seconds |
| Battery Total Time Awake                                         | 20917182 | seconds |
| Vehicle mileage at time of fault (ODO signal in \$3D2)           | 5437.30  | miles   |
| Vehicle Speed                                                    | 0.0      | MPH     |
| Battery Lifetime Miles                                           | CD55B6   | miles   |
| System (12) Volts at time of fault                               | 12.474   | Volts   |
| Battery Lifetime AmpHrs of Charge                                | 5218.9   | AHr     |
| SOC at time of Fault                                             | 26.3     | %       |
| Battery Lifetime AmpHrs of DisCharge                             | 5203.7   | AHr     |
| Power Up SOC at time of Fault                                    | 25.1     | %       |
| HVIL PWM Duty Cycle - Vehicle                                    | 50.2     | %       |
| HVIL PWM Frequency - Vehicle                                     | 87.9     | Hz      |
| HVIL PWM peak voltage Sourced - Vehicle                          | 11.385   | Volts   |
| HVIL PWM peak voltage Sensed - Vehicle                           | 11.322   | Volts   |
| HVIL Source Voltage- Battery                                     | 1.385    | Volts   |
| HVIL Returned current - Battery                                  | 30.70    | mA      |
| HV Battery Current Sensor 1 Hall High                            | -0.85    | Amps    |
| HV Battery Current Sensor 2 Hall Low                             | -0.05    | Amps    |
| HV Cooling Speed Pump 1 Target                                   | 0        | rpm     |
| HV Battery Current HVBatCrnt                                     | 0.00     | Amps    |
| HV Cooling Speed pump 1 Speed                                    | 0        | rpm     |
| Charge indicator Temp                                            | 84       | °F      |
| BPCM temperature max                                             | 131      | °F      |
| BPCM temperature min                                             | 127      | °F      |
| Isolation Circuitry Va                                           | 2.500    | Volts   |
| Isolation Circuitry Vb                                           | 2.501    | Volts   |
| Isolation Circuitry Vd                                           | 0.000    | Volts   |
| WC and Circuitry 2.5V Reference Voltage                          | 2.501    | Volts   |
| WC and CircuitryISO 8V Reference Voltage                         | 7.973    | Volts   |
| WC and Circuitry Vcc Voltage                                     | 5.009    | Volts   |
| WC and Circuitry Weld Contactor Sensor G (Pack Negative) Voltage | -1.8     | Volts   |
| Cycles left to self heal                                         | 40       | No Unit |
| HV Battery Charge Power 2sec                                     | 3000     | watts   |
| HV Battery Charge Power 10sec                                    | 3000     | watts   |
| HV Battery Discharge Power 2sec                                  | 3000     | watts   |
| HV Battery Discharge Power 10sec                                 | 3000     | watts   |
| HV Battery Power                                                 | 007530   | watts   |
| Battery Lifetime Number Of Closes                                | 2173     |         |
| Battery Full AmpHr Capacity                                      | 47       | AmpHrs  |
| Cell Impedance Max Discharge                                     | 0        | mOhms   |
| Cell Impedance Mim Discharge                                     | 0        | mOhms   |
| Battery Cell Voltage Maximum                                     | 3585     | mV      |
| Battery Cell Voltage Minimum                                     | 3578     | mV      |

|                                                   |             |           |
|---------------------------------------------------|-------------|-----------|
| HV Battery Voltage (cell sum)                     | 343.90      | Volts     |
| Battery Cell Voltage Average                      | 3582        | mV        |
| HV Battery Voltage (Module Sum)                   | 343.80      | Volts     |
| HV Sensor A Pack Voltage                          | 343.90      | Volts     |
| HV Sensor B Bus\Link (Pre-Fuse) Voltage           | 1.40        | Volts     |
| HV Sensor D Heater (HVHTR Fuse) Voltage           | 0.80        | Volts     |
| HV Sensor C OBCM (HVOBC Fuse) Voltage             | 0.80        | Volts     |
| Battery Temperature Maximum Module                | 131         | °F        |
| Battery Temperature Minimum Module                | 127         | °F        |
| HV Sensor G Weld Contactor(Pack Negative) Voltage | -1.8        | Volts     |
| HV Cooling Battery coolant inlet temp             | 135         | °F        |
| HV Cooling Battery coolant outlet temp            | 135         | °F        |
| Battery Temperature Average Module                | 129         | °F        |
| HV Cooling OBCM temp inlet Temp                   | 102         | °F        |
| Isolation Vehicle Impedance                       | 6.6590      | Mega Ohms |
| Isolation Battery Impedance                       | 0.8480      | Mega Ohms |
| HV Bat SOH-R                                      | 98.4        | %         |
| HV Bat SOH-C                                      | 90.6        | %         |
| BPCM Sec QA Error Counter                         | 0           | cnts      |
| BPCM Sec MM Hw Reset Error Counter                | 0           | cnts      |
| BPCM L2 SM Hw Reset Error Counter                 | 0           | No Unit   |
| Engine Speed                                      | 0           | rpm       |
| Accelerator position                              | 7.5         | %         |
| Real time clock-OS Task Delay Timer               | 0           |           |
| Real time clock                                   | 429496.7295 | seconds   |
| Original Odometer Value                           | 5428        | miles     |
| Most Recent Odometer Value                        | 5428        | miles     |

#### BPCM | P1AA6-00 | Stored | Hybrid/EV Battery Temperature Sensor 4 Out of Range Low-

| NAME                                                           | VALUE                  | UNITS |
|----------------------------------------------------------------|------------------------|-------|
| Key in Ignition                                                | Key_Def                |       |
| Key Position                                                   | Ign_Run                |       |
| EPT-WakeUp                                                     | Sourced                |       |
| HCP Contactor Command                                          | Open                   |       |
| Qualified Contactor Command - QCC                              | Open                   |       |
| Verified Contactor Command - VCC                               | Open                   |       |
| Contactor Status                                               | Open                   |       |
| Plug in Status                                                 | Not plugged in         |       |
| ChargingLevel                                                  | Plug in, but no charge |       |
| Balance Mode                                                   | False                  |       |
| Battery in Periodic wake up (Just battery ) at time of Fault   | False                  |       |
| Battery in Periodic wake up (Wake up vehicle) at time of Fault | False                  |       |
| HVIL Status -Vehicle                                           | PASS                   |       |
| HVIL Status - Battery pack                                     | PASS                   |       |

|                                               |                         |  |
|-----------------------------------------------|-------------------------|--|
| Pump - Wire Open\Short to Gnd                 | PASS                    |  |
| Pump - Dry Run Detection                      | PASS                    |  |
| Pump - Overcurrent                            | PASS                    |  |
| Pump - Overtemperature                        | PASS                    |  |
| Pump - Switch Power Shorted                   | PASS                    |  |
| Fault trigger level 1                         | False                   |  |
| Fault trigger level 2                         | False                   |  |
| Fault trigger level 3                         | False                   |  |
| Fault Path                                    | 01                      |  |
| Key - DriveRdy (CAN)                          | True                    |  |
| Battery Cell Highest Cell number              | 08                      |  |
| Battery Cell Lowest Cell number               | 41                      |  |
| Battery Temperature Highest Sensor number     | 03                      |  |
| Battery Temperature Lowest Sensor number      | 01                      |  |
| Battery Temperature Number of Failing Sensors | 00                      |  |
| HV Cooling Pump Relay Drive                   | Not Sourced             |  |
| Isolation Vehicle Diagnostic Status           | Run and Passed          |  |
| Pump - Battery Coolant Level Low              | False                   |  |
| Isolation Battery Diagnostic Status           | Run and Passed          |  |
| BPCM Sec Asic Reset Req                       | Not active              |  |
| BPCM Sec Asic Fault Input                     | Not active              |  |
| BPCM Sec CC Path Test Active                  | Not active              |  |
| BPCM L2 General Monitoring Flt Rsn            | L2L1_CELL_MAX_V_CMP_FLT |  |
| BPCM L2 CC Path Test Req                      | Undetermined            |  |
| BPCM L2 Contactor Dslb Req                    | Undetermined            |  |
| BPCM L2 ASIC Diagnostic Flt Rsn               | ADCTest                 |  |
| BPCM Sec HW Timer Status                      | Not active              |  |
| BPCM Sec Contactor State                      | Open                    |  |
| BPCM Main HW Timer Status                     | Not active              |  |
| BPCM Sec Asic Fault State                     | NOTASSERTED             |  |
| Real Time Clock Validity                      | True                    |  |
| Test Failed                                   | False                   |  |
| DTC                                           | 1A A6 00                |  |
| Test Failed This Operation Cycle              | False                   |  |
| Pending DTC                                   | False                   |  |
| Confirmed DTC                                 | True                    |  |
| Test Not Completed Since Last Clear           | False                   |  |
| Test Failed Since Last Clear                  | True                    |  |
| Test Not Completed This Operation Cycle       | False                   |  |
| DTC Extended Data Record Number - All         | 01                      |  |
| Warning Indicator Requested                   | False                   |  |
| Occurrence flag                               | ERROR                   |  |
| DTC Extended Data Record Number - 2           | 66                      |  |
| Ignition Cycle Counter                        | 2                       |  |



|                                                                  |          |         |
|------------------------------------------------------------------|----------|---------|
| Frequency Counter                                                | 1        |         |
| FoM - for this DTC (lifetime fails)                              | 1        | events  |
| FoM - for this DTC (lifetime longest fail on pass)               | 2.240    | seconds |
| FoM - for this DTC (lifetime fails counts on pass)               | 12.0800  | seconds |
| Battery Total Time Awake                                         | 20917168 | seconds |
| Vehicle mileage at time of fault (ODO signal in \$3D2)           | 5437.30  | miles   |
| Battery Lifetime Miles                                           | CD55B6   | miles   |
| Vehicle Speed                                                    | 0.0      | MPH     |
| System (12) Volts at time of fault                               | 12.534   | Volts   |
| Battery Lifetime AmpHrs of Charge                                | 5218.9   | AHr     |
| SOC at time of Fault                                             | 25.9     | %       |
| Battery Lifetime AmpHrs of DisCharge                             | 5203.7   | AHr     |
| Power Up SOC at time of Fault                                    | 25.1     | %       |
| HVIL PWM Duty Cycle - Vehicle                                    | 50.2     | %       |
| HVIL PWM Frequency - Vehicle                                     | 87.9     | Hz      |
| HVIL PWM peak voltage Sourced - Vehicle                          | 11.292   | Volts   |
| HVIL PWM peak voltage Sensed - Vehicle                           | 11.255   | Volts   |
| HVIL Source Voltage- Battery                                     | 1.385    | Volts   |
| HVIL Returned current - Battery                                  | 30.70    | mA      |
| HV Battery Current Sensor 1 Hall High                            | -1.25    | Amps    |
| HV Battery Current HVBatCmt                                      | 0.00     | Amps    |
| HV Cooling Speed Pump 1 Target                                   | 0        | rpm     |
| HV Battery Current Sensor 2 Hall Low                             | 0.00     | Amps    |
| HV Cooling Speed pump 1 Speed                                    | 0        | rpm     |
| Charge indicator Temp                                            | 84       | °F      |
| BPCM temperature min                                             | 127      | °F      |
| BPCM temperature max                                             | 131      | °F      |
| Isolation Circuitry Vb                                           | 2.501    | Volts   |
| Isolation Circuitry Va                                           | 2.500    | Volts   |
| Isolation Circuitry Vd                                           | 0.000    | Volts   |
| WC and Circuitry 2.5V Reference Voltage                          | 2.501    | Volts   |
| WC and Circuitry Vcc Voltage                                     | 5.009    | Volts   |
| WC and CircuitryISO 8V Reference Voltage                         | 7.973    | Volts   |
| WC and Circuitry Weld Contactor Sensor G (Pack Negative) Voltage | -1.8     | Volts   |
| Cycles left to self heal                                         | 40       | No Unit |
| HV Battery Charge Power 2sec                                     | 3000     | watts   |
| HV Battery Charge Power 10sec                                    | 3000     | watts   |
| HV Battery Discharge Power 2sec                                  | 3000     | watts   |
| HV Battery Discharge Power 10sec                                 | 3000     | watts   |
| HV Battery Power                                                 | 007530   | watts   |
| Battery Lifetime Number Of Closes                                | 2173     |         |
| Cell Impedance Max Discharge                                     | 0        | mOhms   |
| Battery Cell Voltage Maximum                                     | 3585     | mV      |
| Battery Full AmpHr Capacity                                      | 47       | AmpHrs  |

|                                                   |             |           |
|---------------------------------------------------|-------------|-----------|
| Cell Impedance Mim Discharge                      | 0           | mOhms     |
| Battery Cell Voltage Minimum                      | 3578        | mV        |
| HV Battery Voltage (cell sum)                     | 343.90      | Volts     |
| Battery Cell Voltage Average                      | 3582        | mV        |
| HV Battery Voltage (Module Sum)                   | 343.80      | Volts     |
| HV Sensor A Pack Voltage                          | 343.90      | Volts     |
| HV Sensor B Bus\Link (Pre-Fuse) Voltage           | 1.40        | Volts     |
| HV Sensor C OBCM (HVOBC Fuse) Voltage             | 0.80        | Volts     |
| HV Sensor D Heater (HVHTR Fuse) Voltage           | 0.80        | Volts     |
| HV Sensor G Weld Contactor(Pack Negative) Voltage | -1.8        | Volts     |
| Battery Temperature Maximum Module                | 131         | °F        |
| Battery Temperature Minimum Module                | 127         | °F        |
| HV Cooling Battery coolant inlet temp             | 135         | °F        |
| Battery Temperature Average Module                | 129         | °F        |
| HV Cooling Battery coolant outlet temp            | 136         | °F        |
| HV Cooling OBCM temp inlet Temp                   | 100         | °F        |
| Isolation Vehicle Impedance                       | 6.6590      | Mega Ohms |
| Isolation Battery Impedance                       | 0.8480      | Mega Ohms |
| HV Bat SOH-C                                      | 90.6        | %         |
| BPCM Sec QA Error Counter                         | 0           | cnts      |
| HV Bat SOH-R                                      | 98.4        | %         |
| BPCM Sec MM Hw Reset Error Counter                | 0           | cnts      |
| BPCM L2 SM Hw Reset Error Counter                 | 0           | No Unit   |
| Engine Speed                                      | 0           | rpm       |
| Accelerator position                              | 7.8         | %         |
| Real time clock-OS Task Delay Timer               | 0           |           |
| Real time clock                                   | 429496.7295 | seconds   |
| Original Odometer Value                           | 5428        | miles     |
| Most Recent Odometer Value                        | 5428        | miles     |

#### BPCM | P1AA2-00 | Stored | Hybrid/EV Battery Temperature Sensor 3 Out of Range Low-

| NAME                                                           | VALUE                  | UNITS |
|----------------------------------------------------------------|------------------------|-------|
| Key in Ignition                                                | Key_Def                |       |
| Key Position                                                   | Ign_ Run               |       |
| EPT -WakeUp                                                    | Sourced                |       |
| HCP Contactor Command                                          | Open                   |       |
| Qualified Contactor Command - QCC                              | Open                   |       |
| Verified Contactor Command - VCC                               | Open                   |       |
| Contactor Status                                               | Open                   |       |
| Plug in Status                                                 | Not plugged in         |       |
| ChargingLevel                                                  | Plug in, but no charge |       |
| Balance Mode                                                   | False                  |       |
| Battery in Periodic wake up (Just battery ) at time of Fault   | False                  |       |
| Battery in Periodic wake up (Wake up vehicle) at time of Fault | False                  |       |

|                                               |                         |  |
|-----------------------------------------------|-------------------------|--|
| HVIL Status -Vehicle                          | PASS                    |  |
| HVIL Status - Battery pack                    | PASS                    |  |
| Pump - Wire Open\Short to Gnd                 | PASS                    |  |
| Pump - Dry Run Detection                      | PASS                    |  |
| Pump - Overcurrent                            | PASS                    |  |
| Pump - Overtemperature                        | PASS                    |  |
| Pump - Switch Power Shorted                   | PASS                    |  |
| Fault trigger level 1                         | False                   |  |
| Fault trigger level 2                         | False                   |  |
| Fault Path                                    | 01                      |  |
| Fault trigger level 3                         | False                   |  |
| Key - DriveRdy (CAN)                          | True                    |  |
| Battery Cell Highest Cell number              | 03                      |  |
| Battery Cell Lowest Cell number               | 41                      |  |
| Battery Temperature Highest Sensor number     | 03                      |  |
| Battery Temperature Lowest Sensor number      | 01                      |  |
| Battery Temperature Number of Failing Sensors | 00                      |  |
| HV Cooling Pump Relay Drive                   | Not Sourced             |  |
| Pump - Battery Coolant Level Low              | False                   |  |
| Isolation Vehicle Diagnostic Status           | Run and Passed          |  |
| Isolation Battery Diagnostic Status           | Run and Passed          |  |
| BPCM Sec Asic Reset Req                       | Not active              |  |
| BPCM Sec Asic Fault Input                     | Not active              |  |
| BPCM Sec CC Path Test Active                  | Not active              |  |
| BPCM L2 General Monitoring Flt Rsn            | L2L1_CELL_MAX_V_CMP_FLT |  |
| BPCM L2 CC Path Test Req                      | Undetermined            |  |
| BPCM L2 Contactor Dslb Req                    | Undetermined            |  |
| BPCM L2 ASIC Diagnostic Flt Rsn               | ADCTest                 |  |
| BPCM Sec HW Timer Status                      | Not active              |  |
| BPCM Sec Contactor State                      | Open                    |  |
| BPCM Main HW Timer Status                     | Not active              |  |
| BPCM Sec Asic Fault State                     | NOTASSERTED             |  |
| Real Time Clock Validity                      | True                    |  |
| DTC                                           | 1A A2 00                |  |
| Test Failed                                   | False                   |  |
| Test Failed This Operation Cycle              | False                   |  |
| Pending DTC                                   | False                   |  |
| Confirmed DTC                                 | True                    |  |
| Test Not Completed Since Last Clear           | False                   |  |
| Test Failed Since Last Clear                  | True                    |  |
| Test Not Completed This Operation Cycle       | False                   |  |
| Warning Indicator Requested                   | False                   |  |
| DTC Extended Data Record Number - All         | 01                      |  |
| Occurrence flag                               | ERROR                   |  |

|                                                                  |          |         |
|------------------------------------------------------------------|----------|---------|
| DTC Extended Data Record Number - 2                              | 64       |         |
| Frequency Counter                                                | 1        |         |
| FoM - for this DTC (lifetime fails)                              | 2        | events  |
| Ignition Cycle Counter                                           | 2        |         |
| FoM - for this DTC (lifetime fails counts on pass)               | 9.1200   | seconds |
| FoM - for this DTC (lifetime longest fail on pass)               | 4.080    | seconds |
| Battery Total Time Awake                                         | 20917040 | seconds |
| Vehicle mileage at time of fault (ODO signal in \$3D2)           | 5437.30  | miles   |
| Battery Lifetime Miles                                           | CD55B6   | miles   |
| Vehicle Speed                                                    | 0.0      | MPH     |
| System (12) Volts at time of fault                               | 12.653   | Volts   |
| Battery Lifetime AmpHrs of Charge                                | 5218.9   | AHr     |
| SOC at time of Fault                                             | 25.9     | %       |
| Battery Lifetime AmpHrs of DisCharge                             | 5203.7   | AHr     |
| Power Up SOC at time of Fault                                    | 25.1     | %       |
| HVIL PWM Duty Cycle - Vehicle                                    | 50.2     | %       |
| HVIL PWM Frequency - Vehicle                                     | 87.9     | Hz      |
| HVIL PWM peak voltage Sourced - Vehicle                          | 11.441   | Volts   |
| HVIL PWM peak voltage Sensed - Vehicle                           | 11.400   | Volts   |
| HVIL Source Voltage- Battery                                     | 1.385    | Volts   |
| HVIL Returned current - Battery                                  | 30.70    | mA      |
| HV Battery Current Sensor 1 Hall High                            | -2.30    | Amps    |
| HV Battery Current Sensor 2 Hall Low                             | 0.00     | Amps    |
| HV Battery Current HVBatCrnt                                     | 0.00     | Amps    |
| HV Cooling Speed Pump 1 Target                                   | 0        | rpm     |
| HV Cooling Speed pump 1 Speed                                    | 0        | rpm     |
| BPCM temperature max                                             | 131      | °F      |
| Charge indicator Temp                                            | 84       | °F      |
| BPCM temperature min                                             | 127      | °F      |
| Isolation Circuitry Va                                           | 2.500    | Volts   |
| Isolation Circuitry Vb                                           | 2.501    | Volts   |
| Isolation Circuitry Vd                                           | 0.000    | Volts   |
| WC and Circuitry 2.5V Reference Voltage                          | 2.501    | Volts   |
| WC and Circuitry Vcc Voltage                                     | 5.009    | Volts   |
| WC and CircuitryISO 8V Reference Voltage                         | 7.973    | Volts   |
| WC and Circuitry Weld Contactor Sensor G (Pack Negative) Voltage | -1.6     | Volts   |
| HV Battery Charge Power 2sec                                     | 3000     | watts   |
| Cycles left to self heal                                         | 40       | No Unit |
| HV Battery Charge Power 10sec                                    | 3000     | watts   |
| HV Battery Discharge Power 2sec                                  | 3000     | watts   |
| HV Battery Discharge Power 10sec                                 | 3000     | watts   |
| HV Battery Power                                                 | 007530   | watts   |
| Battery Lifetime Number Of Closes                                | 2173     |         |
| Battery Full AmpHr Capacity                                      | 47       | AmpHrs  |

|                                                   |             |           |
|---------------------------------------------------|-------------|-----------|
| Cell Impedance Max Discharge                      | 0           | mOhms     |
| Cell Impedance Mim Discharge                      | 0           | mOhms     |
| Battery Cell Voltage Maximum                      | 3586        | mV        |
| Battery Cell Voltage Minimum                      | 3578        | mV        |
| Battery Cell Voltage Average                      | 3582        | mV        |
| HV Battery Voltage (cell sum)                     | 343.90      | Volts     |
| HV Battery Voltage (Module Sum)                   | 343.80      | Volts     |
| HV Sensor A Pack Voltage                          | 344.10      | Volts     |
| HV Sensor C OBCM (HVOBC Fuse) Voltage             | 0.80        | Volts     |
| HV Sensor B Bus\Link (Pre-Fuse) Voltage           | 1.40        | Volts     |
| HV Sensor D Heater (HVHTR Fuse) Voltage           | 0.80        | Volts     |
| HV Sensor G Weld Contactor(Pack Negative) Voltage | -1.6        | Volts     |
| Battery Temperature Maximum Module                | 131         | °F        |
| Battery Temperature Minimum Module                | 127         | °F        |
| Battery Temperature Average Module                | 129         | °F        |
| HV Cooling Battery coolant inlet temp             | 140         | °F        |
| HV Cooling OBCM temp inlet Temp                   | 99          | °F        |
| HV Cooling Battery coolant outlet temp            | 140         | °F        |
| Isolation Vehicle Impedance                       | 6.6590      | Mega Ohms |
| Isolation Battery Impedance                       | 0.8480      | Mega Ohms |
| HV Bat SOH-R                                      | 98.4        | %         |
| HV Bat SOH-C                                      | 90.6        | %         |
| BPCM Sec MM Hw Reset Error Counter                | 0           | cnts      |
| BPCM Sec QA Error Counter                         | 0           | cnts      |
| BPCM L2 SM Hw Reset Error Counter                 | 0           | No Unit   |
| Engine Speed                                      | 0           | rpm       |
| Accelerator position                              | 7.5         | %         |
| Real time clock                                   | 429496.7295 | seconds   |
| Real time clock-OS Task Delay Timer               | 0           |           |
| Original Odometer Value                           | 5428        | miles     |
| Most Recent Odometer Value                        | 5428        | miles     |

#### BPCM | P1A9A-00 | Stored | Hybrid/EV Battery Temperature Sensor 1 Out of Range Low-

| NAME                              | VALUE                  | UNITS |
|-----------------------------------|------------------------|-------|
| Key in Ignition                   | Key_Def                |       |
| Key Position                      | Ign_ Run               |       |
| EPT -WakeUp                       | Sourced                |       |
| HCP Contactor Command             | Open                   |       |
| Qualified Contactor Command - QCC | Open                   |       |
| Verified Contactor Command - VCC  | Open                   |       |
| Contactor Status                  | Open                   |       |
| Plug in Status                    | Not plugged in         |       |
| ChargingLevel                     | Plug in, but no charge |       |
| Balance Mode                      | False                  |       |

|                                                                |                         |  |
|----------------------------------------------------------------|-------------------------|--|
| Battery in Periodic wake up (Just battery ) at time of Fault   | False                   |  |
| Battery in Periodic wake up (Wake up vehicle) at time of Fault | False                   |  |
| HVIL Status -Vehicle                                           | PASS                    |  |
| HVIL Status - Battery pack                                     | PASS                    |  |
| Pump - Wire Open\Short to Gnd                                  | PASS                    |  |
| Pump - Dry Run Detection                                       | PASS                    |  |
| Pump - Overcurrent                                             | PASS                    |  |
| Pump - Overtemperature                                         | PASS                    |  |
| Pump - Switch Power Shorted                                    | PASS                    |  |
| Fault trigger level 1                                          | False                   |  |
| Fault trigger level 2                                          | False                   |  |
| Fault Path                                                     | 01                      |  |
| Fault trigger level 3                                          | False                   |  |
| Key - DriveRdy (CAN)                                           | True                    |  |
| Battery Cell Highest Cell number                               | 02                      |  |
| Battery Cell Lowest Cell number                                | 41                      |  |
| Battery Temperature Highest Sensor number                      | 03                      |  |
| Battery Temperature Lowest Sensor number                       | 01                      |  |
| Battery Temperature Number of Failing Sensors                  | 00                      |  |
| HV Cooling Pump Relay Drive                                    | Not Sourced             |  |
| Pump - Battery Coolant Level Low                               | False                   |  |
| Isolation Vehicle Diagnostic Status                            | Run and Passed          |  |
| Isolation Battery Diagnostic Status                            | Run and Passed          |  |
| BPCM Sec Asic Reset Req                                        | Not active              |  |
| BPCM Sec Asic Fault Input                                      | Not active              |  |
| BPCM Sec CC Path Test Active                                   | Not active              |  |
| BPCM L2 General Monitoring Flt Rsn                             | L2L1_CELL_MAX_V_CMP_FLT |  |
| BPCM L2 CC Path Test Req                                       | Undetermined            |  |
| BPCM L2 Contactor Dslb Req                                     | Undetermined            |  |
| BPCM L2 ASIC Diagnostic Flt Rsn                                | ADCTest                 |  |
| BPCM Sec HW Timer Status                                       | Not active              |  |
| BPCM Sec Contactor State                                       | Open                    |  |
| BPCM Main HW Timer Status                                      | Not active              |  |
| BPCM Sec Asic Fault State                                      | NOTASSERTED             |  |
| Real Time Clock Validity                                       | True                    |  |
| DTC                                                            | 1A 9A 00                |  |
| Test Failed                                                    | False                   |  |
| Test Failed This Operation Cycle                               | False                   |  |
| Pending DTC                                                    | False                   |  |
| Confirmed DTC                                                  | True                    |  |
| Test Not Completed Since Last Clear                            | False                   |  |
| Test Failed Since Last Clear                                   | True                    |  |
| Test Not Completed This Operation Cycle                        | False                   |  |
| Warning Indicator Requested                                    | False                   |  |

|                                                                  |          |         |
|------------------------------------------------------------------|----------|---------|
| DTC Extended Data Record Number - All                            | 01       |         |
| Occurrence flag                                                  | ERROR    |         |
| DTC Extended Data Record Number - 2                              | 60       |         |
| Ignition Cycle Counter                                           | 2        |         |
| Frequency Counter                                                | 1        |         |
| FoM - for this DTC (lifetime fails)                              | 2        | events  |
| FoM - for this DTC (lifetime fails counts on pass)               | 5.1200   | seconds |
| FoM - for this DTC (lifetime longest fail on pass)               | 0.880    | seconds |
| Battery Total Time Awake                                         | 20916974 | seconds |
| Vehicle mileage at time of fault (ODO signal in \$3D2)           | 5437.30  | miles   |
| Battery Lifetime Miles                                           | CD55B6   | miles   |
| Vehicle Speed                                                    | 0.0      | MPH     |
| System (12) Volts at time of fault                               | 12.586   | Volts   |
| Battery Lifetime AmpHrs of DisCharge                             | 5203.7   | AHr     |
| Battery Lifetime AmpHrs of Charge                                | 5218.9   | AHr     |
| SOC at time of Fault                                             | 25.9     | %       |
| Power Up SOC at time of Fault                                    | 25.1     | %       |
| HVIL PWM Duty Cycle - Vehicle                                    | 50.2     | %       |
| HVIL PWM Frequency - Vehicle                                     | 87.9     | Hz      |
| HVIL PWM peak voltage Sourced - Vehicle                          | 11.292   | Volts   |
| HVIL PWM peak voltage Sensed - Vehicle                           | 11.221   | Volts   |
| HVIL Source Voltage- Battery                                     | 1.385    | Volts   |
| HV Battery Current Sensor 1 Hall High                            | -1.05    | Amps    |
| HVIL Returned current - Battery                                  | 30.70    | mA      |
| HV Battery Current Sensor 2 Hall Low                             | 0.00     | Amps    |
| HV Battery Current HVBatCrnt                                     | 0.00     | Amps    |
| HV Cooling Speed pump 1 Speed                                    | 5700     | rpm     |
| HV Cooling Speed Pump 1 Target                                   | 5600     | rpm     |
| Charge indicator Temp                                            | 82       | °F      |
| BPCM temperature min                                             | 126      | °F      |
| BPCM temperature max                                             | 131      | °F      |
| Isolation Circuitry Vb                                           | 2.501    | Volts   |
| Isolation Circuitry Vd                                           | 0.000    | Volts   |
| Isolation Circuitry Va                                           | 2.500    | Volts   |
| WC and Circuitry 2.5V Reference Voltage                          | 2.501    | Volts   |
| WC and CircuitryISO 8V Reference Voltage                         | 7.973    | Volts   |
| WC and Circuitry Vcc Voltage                                     | 5.009    | Volts   |
| Cycles left to self heal                                         | 40       | No Unit |
| HV Battery Charge Power 2sec                                     | 3000     | watts   |
| WC and Circuitry Weld Contactor Sensor G (Pack Negative) Voltage | -1.0     | Volts   |
| HV Battery Charge Power 10sec                                    | 3000     | watts   |
| HV Battery Discharge Power 2sec                                  | 3000     | watts   |
| HV Battery Discharge Power 10sec                                 | 3000     | watts   |
| HV Battery Power                                                 | 007530   | watts   |

|                                                   |             |           |
|---------------------------------------------------|-------------|-----------|
| Battery Lifetime Number Of Closes                 | 2173        |           |
| Cell Impedance Max Discharge                      | 0           | mOhms     |
| Battery Full AmpHr Capacity                       | 47          | AmpHrs    |
| Cell Impedance Mim Discharge                      | 0           | mOhms     |
| Battery Cell Voltage Minimum                      | 3579        | mV        |
| Battery Cell Voltage Maximum                      | 3586        | mV        |
| Battery Cell Voltage Average                      | 3583        | mV        |
| HV Battery Voltage (cell sum)                     | 344.00      | Volts     |
| HV Battery Voltage (Module Sum)                   | 343.90      | Volts     |
| HV Sensor A Pack Voltage                          | 344.10      | Volts     |
| HV Sensor B Bus\Link (Pre-Fuse) Voltage           | 1.40        | Volts     |
| HV Sensor D Heater (HVHTR Fuse) Voltage           | 0.80        | Volts     |
| HV Sensor C OBCM (HVOBC Fuse) Voltage             | 0.80        | Volts     |
| Battery Temperature Maximum Module                | 131         | °F        |
| Battery Temperature Minimum Module                | 126         | °F        |
| HV Sensor G Weld Contactor(Pack Negative) Voltage | -1.0        | Volts     |
| Battery Temperature Average Module                | 129         | °F        |
| HV Cooling Battery coolant outlet temp            | 144         | °F        |
| HV Cooling OBCM temp inlet Temp                   | 97          | °F        |
| HV Cooling Battery coolant inlet temp             | 144         | °F        |
| Isolation Vehicle Impedance                       | 6.6590      | Mega Ohms |
| Isolation Battery Impedance                       | 0.8480      | Mega Ohms |
| HV Bat SOH-R                                      | 98.4        | %         |
| HV Bat SOH-C                                      | 90.6        | %         |
| BPCM Sec MM Hw Reset Error Counter                | 0           | cnts      |
| BPCM Sec QA Error Counter                         | 0           | cnts      |
| BPCM L2 SM Hw Reset Error Counter                 | 0           | No Unit   |
| Engine Speed                                      | 0           | rpm       |
| Accelerator position                              | 7.8         | %         |
| Real time clock                                   | 429496.7295 | seconds   |
| Real time clock-OS Task Delay Timer               | 0           |           |
| Original Odometer Value                           | 5428        | miles     |
| Most Recent Odometer Value                        | 5428        | miles     |

#### BPCM | P1A9E-00 | Stored | Hybrid/EV Battery Temperature Sensor 2 Out of Range Low-

| NAME                              | VALUE             | UNITS |
|-----------------------------------|-------------------|-------|
| Key in Ignition                   | Key_Def           |       |
| Key Position                      | Ign_ Run          |       |
| EPT -WakeUp                       | Sourced           |       |
| HCP Contactor Command             | Closed            |       |
| Qualified Contactor Command - QCC | Closed            |       |
| Contactor Status                  | Closed            |       |
| Verified Contactor Command - VCC  | Closed Restricted |       |
| Plug in Status                    | Not plugged in    |       |



|                                                                |                         |  |
|----------------------------------------------------------------|-------------------------|--|
| ChargingLevel                                                  | Plug in, but no charge  |  |
| Balance Mode                                                   | False                   |  |
| Battery in Periodic wake up (Just battery ) at time of Fault   | False                   |  |
| Battery in Periodic wake up (Wake up vehicle) at time of Fault | False                   |  |
| HVIL Status -Vehicle                                           | PASS                    |  |
| HVIL Status - Battery pack                                     | PASS                    |  |
| Pump - Wire Open\Short to Gnd                                  | PASS                    |  |
| Pump - Overcurrent                                             | PASS                    |  |
| Pump - Dry Run Detection                                       | PASS                    |  |
| Pump - Overtemperature                                         | PASS                    |  |
| Pump - Switch Power Shorted                                    | PASS                    |  |
| Fault trigger level 1                                          | False                   |  |
| Fault trigger level 2                                          | False                   |  |
| Fault trigger level 3                                          | False                   |  |
| Fault Path                                                     | 01                      |  |
| Key - DriveRdy (CAN)                                           | True                    |  |
| Battery Cell Highest Cell number                               | 12                      |  |
| Battery Cell Lowest Cell number                                | 47                      |  |
| Battery Temperature Highest Sensor number                      | 03                      |  |
| Battery Temperature Lowest Sensor number                       | 01                      |  |
| Battery Temperature Number of Failing Sensors                  | 00                      |  |
| HV Cooling Pump Relay Drive                                    | Not Sourced             |  |
| Pump - Battery Coolant Level Low                               | False                   |  |
| Isolation Vehicle Diagnostic Status                            | Run and Passed          |  |
| Isolation Battery Diagnostic Status                            | Run and Passed          |  |
| BPCM Sec Asic Reset Req                                        | Not active              |  |
| BPCM Sec Asic Fault Input                                      | Not active              |  |
| BPCM Sec CC Path Test Active                                   | Not active              |  |
| BPCM L2 General Monitoring Flt Rsn                             | L2L1_CELL_MAX_V_CMP_FLT |  |
| BPCM L2 CC Path Test Req                                       | Undetermined            |  |
| BPCM L2 Contactor Dslb Req                                     | Undetermined            |  |
| BPCM L2 ASIC Diagnostic Flt Rsn                                | ADCTest                 |  |
| BPCM Sec HW Timer Status                                       | Not active              |  |
| BPCM Sec Contactor State                                       | Close                   |  |
| BPCM Main HW Timer Status                                      | Not active              |  |
| BPCM Sec Asic Fault State                                      | NOTASSERTED             |  |
| Real Time Clock Validity                                       | True                    |  |
| DTC                                                            | 1A 9E 00                |  |
| Test Failed                                                    | False                   |  |
| Test Failed This Operation Cycle                               | False                   |  |
| Pending DTC                                                    | False                   |  |
| Confirmed DTC                                                  | True                    |  |
| Test Not Completed Since Last Clear                            | False                   |  |
| Test Failed Since Last Clear                                   | True                    |  |

|                                                                  |          |         |
|------------------------------------------------------------------|----------|---------|
| Test Not Completed This Operation Cycle                          | False    |         |
| Warning Indicator Requested                                      | False    |         |
| DTC Extended Data Record Number - All                            | 01       |         |
| Occurrence flag                                                  | ERROR    |         |
| DTC Extended Data Record Number - 2                              | 62       |         |
| Frequency Counter                                                | 1        |         |
| Ignition Cycle Counter                                           | 2        |         |
| FoM - for this DTC (lifetime fails)                              | 2        | events  |
| FoM - for this DTC (lifetime fails counts on pass)               | 7.6000   | seconds |
| FoM - for this DTC (lifetime longest fail on pass)               | 4.960    | seconds |
| Battery Total Time Awake                                         | 20916938 | seconds |
| Battery Lifetime Miles                                           | CD55B5   | miles   |
| Vehicle mileage at time of fault (ODO signal in \$3D2)           | 5437.14  | miles   |
| Vehicle Speed                                                    | 60.0     | MPH     |
| System (12) Volts at time of fault                               | 14.135   | Volts   |
| Battery Lifetime AmpHrs of DisCharge                             | 5203.7   | AHr     |
| Battery Lifetime AmpHrs of Charge                                | 5218.9   | AHr     |
| SOC at time of Fault                                             | 25.9     | %       |
| Power Up SOC at time of Fault                                    | 25.1     | %       |
| HVIL PWM Duty Cycle - Vehicle                                    | 50.2     | %       |
| HVIL PWM Frequency - Vehicle                                     | 87.9     | Hz      |
| HVIL PWM peak voltage Sourced - Vehicle                          | 13.045   | Volts   |
| HVIL PWM peak voltage Sensed - Vehicle                           | 12.990   | Volts   |
| HVIL Source Voltage- Battery                                     | 1.385    | Volts   |
| HVIL Returned current - Battery                                  | 30.70    | mA      |
| HV Battery Current Sensor 2 Hall Low                             | -11.25   | Amps    |
| HV Battery Current Sensor 1 Hall High                            | -11.70   | Amps    |
| HV Battery Current HVBatCrnt                                     | -11.05   | Amps    |
| HV Cooling Speed Pump 1 Target                                   | 600      | rpm     |
| HV Cooling Speed pump 1 Speed                                    | 600      | rpm     |
| Charge indicator Temp                                            | 82       | °F      |
| BPCM temperature max                                             | 131      | °F      |
| BPCM temperature min                                             | 126      | °F      |
| Isolation Circuitry Va                                           | 2.500    | Volts   |
| Isolation Circuitry Vb                                           | 2.448    | Volts   |
| Isolation Circuitry Vd                                           | 0.000    | Volts   |
| WC and Circuitry 2.5V Reference Voltage                          | 2.501    | Volts   |
| WC and Circuitry Vcc Voltage                                     | 5.017    | Volts   |
| WC and CircuitryISO 8V Reference Voltage                         | 7.973    | Volts   |
| WC and Circuitry Weld Contactor Sensor G (Pack Negative) Voltage | 0.6      | Volts   |
| Cycles left to self heal                                         | 40       | No Unit |
| HV Battery Charge Power 2sec                                     | 3000     | watts   |
| HV Battery Charge Power 10sec                                    | 300      | watts   |
| HV Battery Discharge Power 2sec                                  | 3000     | watts   |

|                                                   |             |           |
|---------------------------------------------------|-------------|-----------|
| HV Battery Discharge Power 10sec                  | 300         | watts     |
| HV Battery Power                                  | 0073B2      | watts     |
| Battery Lifetime Number Of Closes                 | 2173        |           |
| Battery Full AmpHr Capacity                       | 47          | AmpHrs    |
| Cell Impedance Max Discharge                      | 0           | mOhms     |
| Cell Impedance Mim Discharge                      | 0           | mOhms     |
| Battery Cell Voltage Maximum                      | 3593        | mV        |
| Battery Cell Voltage Minimum                      | 3582        | mV        |
| HV Battery Voltage (cell sum)                     | 344.40      | Volts     |
| Battery Cell Voltage Average                      | 3588        | mV        |
| HV Battery Voltage (Module Sum)                   | 344.10      | Volts     |
| HV Sensor A Pack Voltage                          | 344.50      | Volts     |
| HV Sensor B Bus\Link (Pre-Fuse) Voltage           | 344.50      | Volts     |
| HV Sensor D Heater (HVHTR Fuse) Voltage           | 344.50      | Volts     |
| HV Sensor C OBCM (HVOBC Fuse) Voltage             | 344.50      | Volts     |
| HV Sensor G Weld Contactor(Pack Negative) Voltage | 0.6         | Volts     |
| Battery Temperature Average Module                | 129         | °F        |
| Battery Temperature Minimum Module                | 126         | °F        |
| Battery Temperature Maximum Module                | 131         | °F        |
| HV Cooling Battery coolant outlet temp            | 145         | °F        |
| HV Cooling Battery coolant inlet temp             | 145         | °F        |
| HV Cooling OBCM temp inlet Temp                   | 95          | °F        |
| Isolation Vehicle Impedance                       | 6.7005      | Mega Ohms |
| Isolation Battery Impedance                       | 0.8480      | Mega Ohms |
| HV Bat SOH-R                                      | 98.4        | %         |
| HV Bat SOH-C                                      | 90.6        | %         |
| BPCM Sec QA Error Counter                         | 2           | cnts      |
| BPCM Sec MM Hw Reset Error Counter                | 0           | cnts      |
| BPCM L2 SM Hw Reset Error Counter                 | 0           | No Unit   |
| Engine Speed                                      | 6480        | rpm       |
| Accelerator position                              | 29.8        | %         |
| Real time clock-OS Task Delay Timer               | 0           |           |
| Real time clock                                   | 429496.7295 | seconds   |
| Original Odometer Value                           | 5428        | miles     |
| Most Recent Odometer Value                        | 5428        | miles     |

#### HCP | P062C-00 | Stored | Internal Control Module Vehicle Speed Performance-

| NAME                             | VALUE | UNITS |
|----------------------------------|-------|-------|
| DTC                              | —     |       |
| Test Failed                      | —     |       |
| Test Failed This Operation Cycle | —     |       |
| Confirmed DTC                    | —     |       |
| Pending DTC                      | —     |       |
| Test Failed Since Last Clear     | —     |       |

|                                         |   |        |
|-----------------------------------------|---|--------|
| Test Not Completed Since Last Clear     | — |        |
| Test Not Completed This Operation Cycle | — |        |
| Warning Indicator Requested             | — |        |
| Occurrence flag                         | — |        |
| Brake Switch Status                     | — |        |
| Ignition State                          | — |        |
| PRND Position Display                   | — |        |
| Propulsion System Active                | — |        |
| HCP ePT Wake-Up Output                  | — |        |
| CBC Wake-Up Input                       | — |        |
| HCP System Shutdown Command             | — |        |
| SW Build Release Version                | — |        |
| HV Contactor Status                     | — |        |
| EPT LOC Diag Enable                     | — |        |
| APM Status                              | — |        |
| Impact Event                            | — |        |
| HCP SW Version                          | — |        |
| OBCM Operating Mode                     | — |        |
| J1772 Prox Detected State               | — |        |
| Hybrid System State                     | — |        |
| PHEV Charging Status                    | — |        |
| Original Odometer Value                 | — | miles  |
| Most Recent Odometer Value              | — | miles  |
| Frequency Counter                       | — |        |
| Ignition Cycle Counter                  | — |        |
| RAM Stamps                              | — | Min    |
| RAM stamps keyOn                        | — | sec    |
| Real time clock                         | — | sec    |
| Engine Speed                            | — | rpm    |
| HV Battery SOC                          | — | %      |
| Accelerator Pedal Position              | — | %      |
| Motor B Temp Sensor                     | — | °F     |
| Motor A Temp Sensor                     | — | °F     |
| Vehicle Speed                           | — | MPH    |
| Barometric Pressure                     | — | PSI    |
| Engine Coolant Temperature              | — | °F     |
| Internal EPS Voltage Sense B            | — | Volts  |
| Internal EPS Voltage Sense A            | — | Volts  |
| Motor A Torque                          | — | Ft-Lbs |
| Motor B Torque                          | — | Ft-Lbs |
| Actual Torque - Motor A                 | — | Ft-Lbs |
| Actual Torque - Motor B                 | — | Ft-Lbs |
| Available Motor Torque - Motor A        | — | Ft-Lbs |
| Available Regen Torque - Motor A        | — | Ft-Lbs |

|                                         |   |         |
|-----------------------------------------|---|---------|
| Available Motor Torque - Motor B        | — | Ft-Lbs  |
| Available Regen Torque - Motor B        | — | Ft-Lbs  |
| Commanded Torque - Motor A              | — | Ft-Lbs  |
| Motor A - Inverter Current - phase A    | — | AMP     |
| Motor A - Inverter Current - phase B    | — | AMP     |
| Motor A - Inverter Current - phase C    | — | AMP     |
| Motor B - Inverter Current - phase A    | — | AMP     |
| Motor B - Inverter Current - phase B    | — | AMP     |
| Commanded Torque - Motor B              | — | Ft-Lbs  |
| Motor B - Inverter Current - phase C    | — | AMP     |
| Motor A Resolver Angle                  | — | Degree  |
| Motor B Resolver Angle                  | — | Degree  |
| Electric Motor A Speed                  | — | rpm     |
| Electric Motor B Speed                  | — | rpm     |
| PIM DC Link Voltage - A                 | — | Volts   |
| HV Battery Voltage from BPCM            | — | Volts   |
| Outside Air Temperature                 | — | °F      |
| PIM DC Link Voltage - B                 | — | Volts   |
| HV Battery Sleep Time                   | — | Days    |
| Battery Feed Voltage 2 Sense            | — | Volts   |
| Battery Feed Voltage 3 Sense            | — | Volts   |
| Battery Feed Voltage 1 Sense            | — | Volts   |
| Inverter A IGBT Temperature for phase B | — | °F      |
| Inverter A IGBT Temperature for phase A | — | °F      |
| Inverter A IGBT Temperature for phase C | — | °F      |
| Inverter B IGBT Temperature for phase A | — | °F      |
| Inverter B IGBT Temperature for phase C | — | °F      |
| Inverter B IGBT Temperature for phase B | — | °F      |
| GPS Date - Month                        | — |         |
| GPS Date - Year                         | — | Year    |
| Distance Travelled with Light ON        | — | miles   |
| GPS Date - Day                          | — | Days    |
| UTC Time - Hours                        | — | Hours   |
| UTC Time - Minutes                      | — |         |
| UTC Time - Seconds                      | — | seconds |
| ECU Time - Milliseconds                 | — | ms      |

#### HCP | U0415-00 | Stored | Invalid Data Received from Anti-Lock Brake System (ABS) Control Module "A"-

| NAME                             | VALUE    | UNITS |
|----------------------------------|----------|-------|
| DTC                              | C4 15 00 |       |
| Pending DTC                      | False    |       |
| Test Failed                      | False    |       |
| Test Failed This Operation Cycle | False    |       |
| Confirmed DTC                    | True     |       |

|                                         |                          |        |
|-----------------------------------------|--------------------------|--------|
| Test Failed Since Last Clear            | True                     |        |
| Test Not Completed Since Last Clear     | False                    |        |
| Test Not Completed This Operation Cycle | False                    |        |
| Warning Indicator Requested             | False                    |        |
| Occurrence flag                         | Occurrence               |        |
| Brake Switch Status                     | Not Applied              |        |
| PRND Position Display                   | P                        |        |
| Ignition State                          | Reserved                 |        |
| Propulsion System Active                | True                     |        |
| HCP ePT Wake-Up Output                  | On                       |        |
| CBC Wake-Up Input                       | On                       |        |
| HCP System Shutdown Command             | Default                  |        |
| SW Build Release Version                | PIM_21B_2011B0_RU_HCP__  |        |
| HV Contactor Status                     | Closed                   |        |
| HCP SW Version                          | 21B                      |        |
| EPT LOC Diag Enable                     | Enable LOC Diagnostic    |        |
| Impact Event                            | False                    |        |
| OBCM Operating Mode                     | UTC                      |        |
| J1772 Prox Detected State               | Prox Out                 |        |
| APM Status                              | Buck CV                  |        |
| Hybrid System State                     | Propulsion System Active |        |
| PHEV Charging Status                    | No Charging              |        |
| Original Odometer Value                 | 5437.4                   | miles  |
| Most Recent Odometer Value              | 5437.4                   | miles  |
| Frequency Counter                       | 1                        |        |
| Ignition Cycle Counter                  | 0                        |        |
| Real time clock                         | 20958212                 | sec    |
| RAM Stamps                              | 82607                    | Min    |
| RAM stamps keyOn                        | 0                        | sec    |
| Engine Speed                            | 0                        | rpm    |
| Accelerator Pedal Position              | 0                        | %      |
| HV Battery SOC                          | 26                       | %      |
| Motor A Temp Sensor                     | 82                       | °F     |
| Motor B Temp Sensor                     | 82                       | °F     |
| Vehicle Speed                           | 0.0000                   | MPH    |
| Barometric Pressure                     | 14                       | PSI    |
| Engine Coolant Temperature              | 81                       | °F     |
| Internal EPS Voltage Sense A            | 8.208                    | Volts  |
| Internal EPS Voltage Sense B            | 8.136                    | Volts  |
| Motor A Torque                          | 0.000                    | Ft-Lbs |
| Actual Torque - Motor A                 | 0.000                    | Ft-Lbs |
| Available Motor Torque - Motor A        | 87.205                   | Ft-Lbs |
| Motor B Torque                          | 0.000                    | Ft-Lbs |
| Available Regen Torque - Motor B        | -232.393                 | Ft-Lbs |

|                                         |         |         |
|-----------------------------------------|---------|---------|
| Available Motor Torque - Motor B        | 232.393 | Ft-Lbs  |
| Commanded Torque - Motor A              | 0.000   | Ft-Lbs  |
| Available Regen Torque - Motor A        | -87.205 | Ft-Lbs  |
| Commanded Torque - Motor B              | 0.000   | Ft-Lbs  |
| Motor A - Inverter Current - phase A    | 0       | AMP     |
| Motor A - Inverter Current - phase B    | 0       | AMP     |
| Motor A - Inverter Current - phase C    | -4      | AMP     |
| Actual Torque - Motor B                 | 0.000   | Ft-Lbs  |
| Motor B - Inverter Current - phase B    | -4      | AMP     |
| Motor B - Inverter Current - phase C    | 0       | AMP     |
| Motor B Resolver Angle                  | 254     | Degree  |
| Motor B - Inverter Current - phase A    | -4      | AMP     |
| Motor A Resolver Angle                  | 342     | Degree  |
| Electric Motor A Speed                  | 0.5     | rpm     |
| Electric Motor B Speed                  | 1.0     | rpm     |
| PIM DC Link Voltage - A                 | 343     | Volts   |
| PIM DC Link Voltage - B                 | 345     | Volts   |
| HV Battery Voltage from BPCM            | 343.90  | Volts   |
| Outside Air Temperature                 | 69.8    | °F      |
| HV Battery Sleep Time                   | 0       | Days    |
| Battery Feed Voltage 1 Sense            | 14.544  | Volts   |
| Battery Feed Voltage 2 Sense            | 14.544  | Volts   |
| Battery Feed Voltage 3 Sense            | 14.472  | Volts   |
| Inverter A IGBT Temperature for phase A | 75      | °F      |
| Inverter B IGBT Temperature for phase A | 75      | °F      |
| Inverter A IGBT Temperature for phase B | 75      | °F      |
| Inverter A IGBT Temperature for phase C | 75      | °F      |
| Inverter B IGBT Temperature for phase B | 75      | °F      |
| Inverter B IGBT Temperature for phase C | 75      | °F      |
| GPS Date - Month                        | 8       |         |
| GPS Date - Year                         | 2021    | Year    |
| Distance Travelled with Light ON        | 0       | miles   |
| UTC Time - Hours                        | 12      | Hours   |
| GPS Date - Day                          | 4       | Days    |
| UTC Time - Minutes                      | 22      |         |
| UTC Time - Seconds                      | 0       | seconds |
| ECU Time - Milliseconds                 | 413     | ms      |

#### HCP | U1852-00 | Stored | Implausible Data Received from ABS on D-PT-

| NAME                             | VALUE    | UNITS |
|----------------------------------|----------|-------|
| DTC                              | D8 52 00 |       |
| Test Failed This Operation Cycle | False    |       |
| Test Failed                      | False    |       |
| Pending DTC                      | False    |       |

|                                         |                          |        |
|-----------------------------------------|--------------------------|--------|
| Confirmed DTC                           | True                     |        |
| Test Not Completed Since Last Clear     | False                    |        |
| Test Failed Since Last Clear            | True                     |        |
| Test Not Completed This Operation Cycle | False                    |        |
| Warning Indicator Requested             | False                    |        |
| Occurrence flag                         | Occurrence               |        |
| Brake Switch Status                     | Not Applied              |        |
| Ignition State                          | Reserved                 |        |
| PRND Position Display                   | P                        |        |
| Propulsion System Active                | True                     |        |
| CBC Wake-Up Input                       | On                       |        |
| HCP ePT Wake-Up Output                  | On                       |        |
| HCP System Shutdown Command             | Default                  |        |
| SW Build Release Version                | PIM_21B_2011B0_RU_HCP__  |        |
| HCP SW Version                          | 21B                      |        |
| HV Contactor Status                     | Closed                   |        |
| EPT LOC Diag Enable                     | Enable LOC Diagnostic    |        |
| Impact Event                            | False                    |        |
| APM Status                              | Buck CV                  |        |
| OBCM Operating Mode                     | UTC                      |        |
| J1772 Prox Detected State               | Prox Out                 |        |
| Hybrid System State                     | Propulsion System Active |        |
| PHEV Charging Status                    | No Charging              |        |
| Most Recent Odometer Value              | 5437.4                   | miles  |
| Original Odometer Value                 | 5437.4                   | miles  |
| Real time clock                         | 20958212                 | sec    |
| Ignition Cycle Counter                  | 0                        |        |
| Frequency Counter                       | 1                        |        |
| RAM Stamps                              | 82607                    | Min    |
| RAM stamps keyOn                        | 0                        | sec    |
| Accelerator Pedal Position              | 0                        | %      |
| Engine Speed                            | 0                        | rpm    |
| HV Battery SOC                          | 26                       | %      |
| Vehicle Speed                           | 0.0000                   | MPH    |
| Motor A Temp Sensor                     | 82                       | °F     |
| Motor B Temp Sensor                     | 82                       | °F     |
| Barometric Pressure                     | 14                       | PSI    |
| Internal EPS Voltage Sense A            | 8.208                    | Volts  |
| Internal EPS Voltage Sense B            | 8.136                    | Volts  |
| Engine Coolant Temperature              | 81                       | °F     |
| Motor A Torque                          | 0.000                    | Ft-Lbs |
| Motor B Torque                          | 0.000                    | Ft-Lbs |
| Available Motor Torque - Motor A        | 87.205                   | Ft-Lbs |
| Available Regen Torque - Motor A        | -87.205                  | Ft-Lbs |



|                                         |          |         |
|-----------------------------------------|----------|---------|
| Actual Torque - Motor B                 | 0.000    | Ft-Lbs  |
| Available Motor Torque - Motor B        | 232.393  | Ft-Lbs  |
| Available Regen Torque - Motor B        | -232.393 | Ft-Lbs  |
| Commanded Torque - Motor A              | 0.000    | Ft-Lbs  |
| Commanded Torque - Motor B              | 0.000    | Ft-Lbs  |
| Motor A - Inverter Current - phase A    | 0        | AMP     |
| Motor A - Inverter Current - phase B    | -4       | AMP     |
| Motor A - Inverter Current - phase C    | 0        | AMP     |
| Motor B - Inverter Current - phase C    | -4       | AMP     |
| Actual Torque - Motor A                 | 0.000    | Ft-Lbs  |
| Motor B - Inverter Current - phase A    | 0        | AMP     |
| Motor B - Inverter Current - phase B    | 0        | AMP     |
| Motor A Resolver Angle                  | 342      | Degree  |
| Motor B Resolver Angle                  | 254      | Degree  |
| Electric Motor A Speed                  | 0.5      | rpm     |
| Electric Motor B Speed                  | 0.5      | rpm     |
| PIM DC Link Voltage - A                 | 343      | Volts   |
| PIM DC Link Voltage - B                 | 345      | Volts   |
| HV Battery Voltage from BPCM            | 343.90   | Volts   |
| Outside Air Temperature                 | 69.8     | °F      |
| HV Battery Sleep Time                   | 0        | Days    |
| Battery Feed Voltage 2 Sense            | 14.544   | Volts   |
| Battery Feed Voltage 1 Sense            | 14.544   | Volts   |
| Inverter A IGBT Temperature for phase A | 75       | °F      |
| Battery Feed Voltage 3 Sense            | 14.472   | Volts   |
| Inverter A IGBT Temperature for phase B | 75       | °F      |
| Inverter A IGBT Temperature for phase C | 75       | °F      |
| Inverter B IGBT Temperature for phase C | 75       | °F      |
| Inverter B IGBT Temperature for phase A | 75       | °F      |
| Inverter B IGBT Temperature for phase B | 75       | °F      |
| Distance Travelled with Light ON        | 0        | miles   |
| GPS Date - Year                         | 2021     | Year    |
| GPS Date - Month                        | 8        |         |
| GPS Date - Day                          | 4        | Days    |
| UTC Time - Minutes                      | 22       |         |
| UTC Time - Hours                        | 12       | Hours   |
| UTC Time - Seconds                      | 0        | seconds |
| ECU Time - Milliseconds                 | 194      | ms      |

#### ABSO | C0501-00 | Stored | Left Front Wheel Speed Sensor "A" Range/Performance-

| NAME                             | VALUE    | UNITS |
|----------------------------------|----------|-------|
| DTC                              | 45 01 00 |       |
| Test Failed This Operation Cycle | False    |       |
| Test Failed                      | False    |       |

|                                         |                                 |       |
|-----------------------------------------|---------------------------------|-------|
| Pending DTC                             | False                           |       |
| Confirmed DTC                           | True                            |       |
| Test Failed Since Last Clear            | False                           |       |
| Test Not Completed Since Last Clear     | False                           |       |
| Test Not Completed This Operation Cycle | True                            |       |
| Warning Indicator Requested             | True                            |       |
| Occurrence flag                         | ERROR                           |       |
| Mirror Memory                           | No                              |       |
| Controller Event                        | No                              |       |
| Undervoltage Suspected                  | No                              |       |
| Current System Mode                     | CAN active                      |       |
| Previous System Mode                    | CAN active                      |       |
| System Condition                        | OK                              |       |
| Brake Pedal Status                      | Released                        |       |
| Rotation Direction Left Front           | Forward                         |       |
| Rotation Direction Right Front          | Forward                         |       |
| Rotation Direction Left Rear            | Forward                         |       |
| Rotation Direction Right Rear           | Forward                         |       |
| ASR control                             | Not active                      |       |
| ABS control                             | Not active                      |       |
| MSR control                             | Not active                      |       |
| EBV control                             | Not active                      |       |
| Hold                                    | No                              |       |
| ESP Control                             | Not active                      |       |
| HSA control                             | Not active                      |       |
| HBA control                             | Not active                      |       |
| Braking assistance system               | No Assistance System Is Braking |       |
| Plant Mode                              | No                              |       |
| EPB Mode Status                         | Static                          |       |
| BLS High                                | No                              |       |
| BLS Low                                 | Yes                             |       |
| Park Brake                              | Not Activated                   |       |
| ESP-OFF mode                            | No                              |       |
| Clutch                                  | Not Activated                   |       |
| Stop Coordinator Active                 | No                              |       |
| Actual Gear                             | P                               |       |
| Transmission selector lever setting     | P                               |       |
| Status Parking Brake Left               | Brake is Released               |       |
| Status Parking Brake Right              | Brake is Released               |       |
| EPB Switch Status                       | Idle                            |       |
| Original Odometer Value                 | 5428                            | miles |
| Most Recent Odometer Value              | 5428                            | miles |
| Ignition Cycle Counter                  | 0                               |       |
| Frequency Counter                       | 1                               |       |

|                                    |          |       |
|------------------------------------|----------|-------|
| Fault Time                         | 13107.00 | S     |
| Supply Voltage Valves              | 14.2     | V     |
| Supply voltage Pump                | 14.1     | V     |
| Ignition Unfiltered                | 0.0      | V     |
| Wheel Speed Left Front             | 0.000    | MPH   |
| Wheel Speed Left Rear              | 11.185   | MPH   |
| Wheel Speed Right Front            | 0.000    | MPH   |
| Brake Pedal Travel Sensor Position | 0        | %     |
| Longitudinal Acceleration          | 0.00     | m/s^2 |
| Yaw Rate                           | 0.000    | °/s   |
| Steering Wheel Angle               | 76.80    | °     |
| Wheel Speed Right Rear             | 12.303   | MPH   |
| Lateral Acceleration               | 0.43     | m/s^2 |
| Primary Circuit Pressure           | 0.00     | PSI   |
| Engine Speed                       | 0.0      | rpm   |
| Accelerator Pedal Position         | 0.0      | %     |
| Supplier Internal Code             | 502      |       |

#### ABSO | C0507-00 | Stored | Right Front Wheel Speed Sensor "A" Range/Performance-

| NAME                                    | VALUE      | UNITS |
|-----------------------------------------|------------|-------|
| DTC                                     | 45 07 00   |       |
| Test Failed                             | False      |       |
| Test Failed This Operation Cycle        | False      |       |
| Pending DTC                             | False      |       |
| Test Failed Since Last Clear            | False      |       |
| Test Not Completed This Operation Cycle | True       |       |
| Test Not Completed Since Last Clear     | False      |       |
| Occurrence flag                         | ERROR      |       |
| Confirmed DTC                           | True       |       |
| Mirror Memory                           | No         |       |
| Undervoltage Suspected                  | No         |       |
| Warning Indicator Requested             | True       |       |
| Controller Event                        | No         |       |
| Previous System Mode                    | CAN active |       |
| Current System Mode                     | CAN active |       |
| System Condition                        | OK         |       |
| Brake Pedal Status                      | Released   |       |
| Rotation Direction Left Front           | Forward    |       |
| Rotation Direction Right Front          | Forward    |       |
| Rotation Direction Left Rear            | Forward    |       |
| Rotation Direction Right Rear           | Forward    |       |
| ABS control                             | Not active |       |
| ASR control                             | Not active |       |
| MSR control                             | Not active |       |

|                                     |                                 |       |
|-------------------------------------|---------------------------------|-------|
| HBA control                         | Not active                      |       |
| Hold                                | No                              |       |
| HSA control                         | Not active                      |       |
| EBV control                         | Not active                      |       |
| ESP Control                         | Not active                      |       |
| Braking assistance system           | No Assistance System Is Braking |       |
| Plant Mode                          | No                              |       |
| EPB Mode Status                     | Static                          |       |
| BLS High                            | No                              |       |
| BLS Low                             | Yes                             |       |
| Park Brake                          | Not Activated                   |       |
| ESP-OFF mode                        | No                              |       |
| Clutch                              | Not Activated                   |       |
| Stop Coordinator Active             | No                              |       |
| Actual Gear                         | P                               |       |
| Transmission selector lever setting | P                               |       |
| Status Parking Brake Left           | Brake is Released               |       |
| Status Parking Brake Right          | Brake is Released               |       |
| EPB Switch Status                   | Idle                            |       |
| Frequency Counter                   | 1                               |       |
| Most Recent Odometer Value          | 5428                            | miles |
| Fault Time                          | 13107.00                        | S     |
| Ignition Cycle Counter              | 0                               |       |
| Supply Voltage Valves               | 14.2                            | V     |
| Original Odometer Value             | 5428                            | miles |
| Supply voltage Pump                 | 14.1                            | V     |
| Wheel Speed Left Front              | 0.000                           | MPH   |
| Ignition Unfiltered                 | 0.0                             | V     |
| Brake Pedal Travel Sensor Position  | 0                               | %     |
| Wheel Speed Left Rear               | 11.185                          | MPH   |
| Wheel Speed Right Front             | 0.000                           | MPH   |
| Steering Wheel Angle                | 76.80                           | °     |
| Lateral Acceleration                | 0.43                            | m/s^2 |
| Yaw Rate                            | 0.000                           | °/s   |
| Longitudinal Acceleration           | 0.00                            | m/s^2 |
| Wheel Speed Right Rear              | 12.303                          | MPH   |
| Primary Circuit Pressure            | 0.00                            | PSI   |
| Accelerator Pedal Position          | 0.0                             | %     |
| Engine Speed                        | 0.0                             | rpm   |
| Supplier Internal Code              | 515                             |       |

## DTC SUMMARY

| ECU | DTC CODE | DTC DESCRIPTION                                     | STATUS |
|-----|----------|-----------------------------------------------------|--------|
| PCM | U140A    | Implausible Right Front Wheel Speed Signal Received | Stored |

|      |          |                                                                             |         |
|------|----------|-----------------------------------------------------------------------------|---------|
| PCM  | U1409    | Implausible Left Front Wheel Speed Signal Received                          | Pending |
| PLGM | B1975-00 | Power Liftgate Latch Cinch - Ratchet Secondary Switch Performance-          | Stored  |
| DDM  | U0232-00 | Lost Communication with Blind Spot Detection Module-                        | Stored  |
| PDM  | U0232-00 | Lost Communication with Blind Spot Detection Module-                        | Stored  |
| MSM  | B233C-00 | Commanded Position Not Reachable-                                           | Stored  |
| PTS  | U0415-00 | Invalid Data Received from Anti-Lock Brake System (ABS) Control Module "A"- | Stored  |
| ACC  | P1666-00 | Cruise Control Module Internal-                                             | Stored  |
| ACC  | C2225-00 | PCM Disabled ECU-                                                           | Stored  |
| ACC  | C2227-00 | ABS Disabled ECU-                                                           | Stored  |
| ACC  | U0415-00 | Invalid Data Received from Anti-Lock Brake System (ABS) Control Module "A"- | Stored  |
| BPCM | P1AAA-00 | Hybrid/EV Battery Temperature Sensor 5 Out of Range Low-                    | Stored  |
| BPCM | P1AAE-00 | Hybrid/EV Battery Temperature Sensor 6 Out of Range Low-                    | Stored  |
| BPCM | P1AA6-00 | Hybrid/EV Battery Temperature Sensor 4 Out of Range Low-                    | Stored  |
| BPCM | P1AA2-00 | Hybrid/EV Battery Temperature Sensor 3 Out of Range Low-                    | Stored  |
| BPCM | P1A9A-00 | Hybrid/EV Battery Temperature Sensor 1 Out of Range Low-                    | Stored  |
| BPCM | P1A9E-00 | Hybrid/EV Battery Temperature Sensor 2 Out of Range Low-                    | Stored  |
| HCP  | P062C-00 | Internal Control Module Vehicle Speed Performance-                          | Stored  |
| HCP  | U0415-00 | Invalid Data Received from Anti-Lock Brake System (ABS) Control Module "A"- | Stored  |
| HCP  | U1852-00 | Implausible Data Received from ABS on D-PT-                                 | Stored  |
| ABSO | C0501-00 | Left Front Wheel Speed Sensor "A" Range/Performance-                        | Stored  |
| ABSO | C0507-00 | Right Front Wheel Speed Sensor "A" Range/Performance-                       | Stored  |



## VEHICLE SCAN REPORT

**Vehicle** 2021 CHRYSLER PACIFICA (PHEV) 3.6L V6 HYBRID ENGINE  
**VIN** [REDACTED]

**Odometer** 7147.4 miles  
**Publication Date** Oct 14, 2021, 11:25:47 AM

## ECU SUMMARY INFO

| ECU   | NAME                           | BUS TYPE | FLASH PART # | PART #     |
|-------|--------------------------------|----------|--------------|------------|
| PCM   | Powertrain Control Module      | CAN-C    | 68499122AE   | 68499122AE |
| PLGM  | Power Liftgate                 | CAN-I    | 68466171AI   | 68466171AI |
| ICS   | Integrated Center Stack        | CAN-I    | 7AS341X8AA   | 7AS341X8AA |
| RFH   | Radio Frequency Hub            | CAN-C    | 68500152AA   | 68500152AA |
| ESM   | Electronic Shifter             | CAN-C    | 68240089AM   | 68240089AM |
| ORC   | Occupant Restraint             | CAN-C    | 68480710AC   | 68480710AC |
| EPS   | Electric Power Steering        | CAN-C    | 68460392AA   | 68460392AA |
| HVAC  | Heat, Ventilation and A/C      | CAN-I    | 68493454AE   | 68493454AE |
| DDM   | Driver Door Module             | CAN-I    | 68496461AB   | 68496461AB |
| PDM   | Passenger Door Module          | CAN-I    | 68496460AB   | 68496460AB |
| DMRL  | Door Module Rear Left          | CAN-I    | 68508894AB   | 68508894AB |
| DMRR  | Door Module Rear Right         | CAN-I    | 68508894AB   | 68508894AB |
| PSDML | Power Sliding Doors (Left)     | CAN-I    | 68369596AD   | 68369596AD |
| PSDMR | Power Sliding Doors (Right)    | CAN-I    | 68369596AD   | 68369596AD |
| MSM   | Memory Seat Module             | CAN-I    | 68321862AC   | 68321862AC |
| CSWM  | Comfort Seat Wheel Module      | CAN-I    | 68517013AB   | 68517013AB |
| AMP   | Amplifier                      | CAN-I    | 68448067AA   | 68448067AA |
| IPC   | Instrument Panel Cluster       | CAN-C    | 68434960AE   | 68434960AE |
| PTS   | Parktronics                    | CAN-C    | 68485862AA   | 68485862AA |
| SCCM  | Steering Column Control Module | CAN-C    | 68360889AD   | 68360889AD |
| BCM   | Body Controller                | CAN-C    | 68491085AG   | 68491085AG |

| Pa    |                                    |       |            |  |            |
|-------|------------------------------------|-------|------------|--|------------|
| ACC   | Adaptive Cruise Control            | CAN-C | 68540436AA |  | 68540436AA |
| RADIO | Radio                              | CAN-I | 68465292AC |  | 68465292AC |
| OCM   | Occupant Classification            | CAN-C | 68403127AA |  | 68403127AA |
| HVACR | Heat, Ventilation and A/C Rear     | CAN-I | 68373079AB |  | 68373079AB |
| LBSS  | Left Blind Spot Sensor             | CAN-I | 04672786AB |  | 04672786AB |
| RBSS  | Right Blind Spot Sensor            | CAN-I | 04672786AB |  | 04672786AB |
| FFCM  | Forward Facing Camera Module       | CAN-C | 68493395AA |  | 68493395AA |
| EDM   | External Disc Module               | CAN-I | 68499745AA |  | 68499745AA |
| APM   | Accessory Power Module             | CAN-C | 05185046AB |  | 05185046AB |
| BPCM  | Battery Pack Control Module        | CAN-C | 05193183AE |  | 05193183AE |
| HCP   | Hybrid Control Processor           | CAN-C | 05185116AH |  | 05185116AH |
| OBCM  | On Board Charging Module           | CAN-C | 05185047AE |  | 05185047AE |
| MSMP  | Memory Seat Module - Passenger     | CAN-I | 68321862AC |  | 68321862AC |
| DSM   | Display Screen Module              | CAN-I | 68437339AD |  | 68437339AD |
| VRM   | Video Routing Module               | CAN-I | 68493702AA |  | 68493702AA |
| RCCC  | Rear Cabin Comfort Controls        | CAN-I | 6WL30PD2AA |  | 6WL30PD2AA |
| CVPM  | Central vision processing module   | CAN-I | 56029920AB |  | 56029920AB |
| EAC   | Electric A/C Compressor            | CAN-C | 68237995AG |  | 68237995AG |
| AHCP  | Auxiliary Hybrid Control Processor | CAN-C | 05185117AH |  | 05185117AH |
| EBBM  | Electronic Brake Booster Module    | CAN-C | 68461813AB |  | 68461813AB |
| ABSO  | Anti Lock Brakes OBD               | CAN-C | 68471122AD |  | 68471122AD |
| SGW   | Security Gateway Module            | CAN-C | 68488429AB |  | 68488429AB |
| TBM2  | Telematic Box Module 2             | CAN-C | 68546266AB |  | 68546266AB |

### ECU SUMMARY INFO (CONT...)

| ECU  | COUNTRY CODE | HARDWARE VERSION | SOFTWARE VERSION | IDENT        | CVNS     |
|------|--------------|------------------|------------------|--------------|----------|
| PCM  | USA          | 1B 47            | 75 01 01         | 4422         | F2DB13B9 |
| PLGM | USA          | 0                | 5084             | 000200000031 |          |
| ICS  | USA          | 0F 0C 00         | 13 31 01         | 4700         |          |
| RFH  | USA / USA    | 10 17 00         | 13 26 00         | 4A00         |          |

|       |                              |          |          |              |                                  |
|-------|------------------------------|----------|----------|--------------|----------------------------------|
| ESM   | USA / USA                    | 0F 24 00 | 12 28 FF | 4402         |                                  |
| ORC   | USA / USA                    | 12 1A 00 | 13 2E 00 | 4301         |                                  |
| EPS   | USA / USA                    | 12 2A 00 | 12 1E 01 | 4502         |                                  |
| HVAC  | USA                          | 0E 09 00 | 14 2F 01 | 4401         |                                  |
| DDM   | USA                          | 11 07 00 | 14 07 00 | 4202         |                                  |
| PDM   | USA                          | 11 07 00 | 14 07 00 | 4202         |                                  |
| DMRL  | USA / USA                    | 10 0B 00 | 14 08 00 | 4201         |                                  |
| DMRR  | USA / USA                    | 10 0B 00 | 14 08 00 | 4201         |                                  |
| PSDML | USA / USA                    | 10 17 00 | 14 10 12 | 4001         |                                  |
| PSDMR | USA / USA                    | 10 17 00 | 14 10 12 | 4001         |                                  |
| MSM   | USA                          | 0F 2B 00 | 10 27 03 | 4101         |                                  |
| CSWM  | USA                          | 11 2A 00 | 14 25 00 | 4302         |                                  |
| AMP   | USA                          | 0F 06 01 | 12 2E 01 | 4021         |                                  |
| IPC   | USA / USA                    | 12 06 00 | 14 2B 00 | 4705         |                                  |
| PTS   | USA                          | 0E 32 00 | 14 07 00 | 4311         |                                  |
| SCCM  | USA                          | 13 28 00 | 13 29 00 | 4301         |                                  |
| BCM   | USA                          | 0D 11 00 | 14 26 90 | 4420         |                                  |
| ACC   | USA / USA                    | 14 12 01 | 14 26 01 | 4400         |                                  |
| RADIO |                              | 65       | 5175     | 000200000008 |                                  |
| OCM   | USA / USA                    | 11 1F 01 | 0E 2F 02 | 4030         |                                  |
| HVACR | USA                          | 0E 09 00 | 10 03 02 | 4301         |                                  |
| LBSS  | USA / USA                    | 11 30 02 | 12 0D 00 | 4202         |                                  |
| RBSS  | USA / USA                    | 11 30 02 | 12 0D 00 | 4202         |                                  |
| FFCM  | USA / USA                    | 11 06 00 | 13 1E 00 | 4102         |                                  |
| EDM   | USA                          | 12 0A 00 | 11 08 00 | 4000         |                                  |
| APM   | USA / USA                    | 11 32 00 | 11 32 00 | 4001         |                                  |
| BPCM  | Not programmed / COUNTRY_SNA | 0E 03 00 | 14 2C 00 | 4005         | 79855957                         |
| HCP   | USA                          | 11 1F 04 | 0F 2D 00 | 4006         | 879F1587<br>D754327D<br>050DC953 |
| OBCM  | USA                          | 0F 0D 00 | 12 02 00 | 4002         |                                  |
| MSMP  | USA                          | 0F 2B 00 | 10 27 03 | 4001         |                                  |
| DSM   | USA / USA                    | 14 0C 00 | 14 28 00 | 4300         |                                  |
| VRM   | USA / USA                    | 0F 1C 00 | 14 1E 14 | 4001         |                                  |
| RCCC  | USA                          | 0F 1D 00 | 13 04 00 | 4000         |                                  |
| CVPM  | USA / USA                    | 11 27 01 | 14 0C 01 | 4004         |                                  |
| EAC   | USA                          | 0E 34 00 | 12 0F 00 | 4102         |                                  |
| AHCP  | USA                          | 11 1F 04 | 0F 2D 00 | 4000         |                                  |
| EBBM  | USA                          | 0E 19 02 | 14 0D 18 | 4000         | E5898FA5                         |
| ABSO  | USA                          | 0E 15 02 | 14 1B 26 | 4201         | 4F158D1B                         |
| SGW   |                              | 5        | 969      | 4103         |                                  |
| TBM2  | USA                          | 13 0E 02 | 14 2A 5C | 4104         |                                  |

## DTC SUMMARY

| ECU | DTC CODE | DTC DESCRIPTION | STATUS |
|-----|----------|-----------------|--------|
|-----|----------|-----------------|--------|



|      |          |                                                                           |        |
|------|----------|---------------------------------------------------------------------------|--------|
| HVAC | B10EB-00 | Blower Power Module-                                                      | Stored |
| MSM  | B233C-00 | Commanded Position Not Reachable-                                         | Stored |
| ACC  | C2225-00 | PCM Disabled ECU-                                                         | Stored |
| BPCM | P1A9A-00 | Hybrid/EV Battery Temperature Sensor 1 Out of Range Low-                  | Stored |
| BPCM | P1A9E-00 | Hybrid/EV Battery Temperature Sensor 2 Out of Range Low-                  | Stored |
| VRM  | B15AE-00 | Lost Low Voltage Differential Signal (LVDS) Connection with Media Port 2- | Stored |

## ENVIRONMENTAL DATA SUMMARY

### HVAC | B10EB-00 | Stored | Blower Power Module-

| NAME                                    | VALUE | UNITS |
|-----------------------------------------|-------|-------|
| Test Failed                             | False |       |
| Test Failed This Operation Cycle        | False |       |
| Pending DTC                             | False |       |
| Confirmed DTC                           | True  |       |
| Test Not Completed Since Last Clear     | False |       |
| Test Failed Since Last Clear            | True  |       |
| Test Not Completed This Operation Cycle | False |       |
| Warning Indicator Requested             | False |       |
| Occurrence flag                         | Error |       |
| Original Odometer Value                 | 7138  | miles |
| Most Recent Odometer Value              | 7138  | miles |
| Frequency Counter                       | 2     |       |
| Ignition Cycle Counter                  | 9     |       |

### MSM | B233C-00 | Stored | Commanded Position Not Reachable-

| NAME                                               | VALUE                        | UNITS  |
|----------------------------------------------------|------------------------------|--------|
| Failed Movement Information - Horizontal Motor     | Movement aborted by operator |        |
| Failed Movement Information - Recliner Motor       | No Failed Movement           |        |
| Failed Movement Information - Vertical Front Motor | No Failed Movement           |        |
| Failed Movement Information - Vertical Rear Motor  | No Failed Movement           |        |
| Obstacle Detection Location - Horizontal Motor     | No Obstacle Detected         | Counts |
| Horizontal Motor Position - end of movement        | 32641                        | Counts |
| Recliner Motor Position - end of movement          | 32082                        | Counts |
| Vertical Front Motor Position - end of movement    | 33263                        | Counts |
| Vertical Rear Motor Position - end of movement     | 33278                        | Counts |
| Horizontal Motor Position - start of movement      | 32445                        | Counts |
| Recliner Motor Position - start of movement        | 32082                        | Counts |
| Vertical Front Motor Position - start of movement  | 33263                        | Counts |
| Vertical Rear Motor Position - start of movement   | 33278                        | Counts |
| ECU Voltage - at start of movement                 | 3892                         | Volts  |
| ECU Voltage - minimum voltage during movement      | 36D6                         | Volts  |
| Movement Direction - Recliner Motor                | Motor not moving             |        |
| Movement Direction - Horizontal Motor              | Forward / Up                 |        |

|                                           |                  |  |
|-------------------------------------------|------------------|--|
| Movement Direction - Vertical Front Motor | Motor not moving |  |
| Movement Direction - Vertical Rear Motor  | Motor not moving |  |

**ACC | C2225-00 | Stored | PCM Disabled ECU-**

| NAME                                    | VALUE   | UNITS  |
|-----------------------------------------|---------|--------|
| Test Failed                             | False   |        |
| Test Failed This Operation Cycle        | False   |        |
| Pending DTC                             | False   |        |
| Confirmed DTC                           | True    |        |
| Test Not Completed Since Last Clear     | False   |        |
| Test Failed Since Last Clear            | True    |        |
| Test Not Completed This Operation Cycle | False   |        |
| Warning Indicator Requested             | False   |        |
| Occurrence flag                         | Error   |        |
| Original Odometer Value                 | 7138    | miles  |
| Most Recent Odometer Value              | 7138    | miles  |
| Frequency Counter                       | 1       |        |
| Operation Cycle Counter                 | 8       |        |
| Vehicle Speed                           | 0       | MPH    |
| Engine RPM                              | 1376    | rpm    |
| ACC Set Speed                           | 71      | MPH    |
| Object of Interest Distance             | 830     | FEET   |
| Engine Torque Request                   | SNA     | Ft-Lbs |
| PRNDL Status                            | P range |        |
| Ignition Voltage                        | 14.3    |        |
| System Voltage                          | 14.4    | Volts  |

**BPCM | P1A9A-00 | Stored | Hybrid/EV Battery Temperature Sensor 1 Out of Range Low-**

| NAME                                               | VALUE                  | UNITS   |
|----------------------------------------------------|------------------------|---------|
| Frequency Counter                                  | 1                      |         |
| Ignition Cycle Counter                             | 1                      |         |
| FoM - for this DTC (lifetime fails)                | 3                      | events  |
| FoM - for this DTC (lifetime fails counts on pass) | 35.1200                | seconds |
| FoM - for this DTC (lifetime longest fail on pass) | 8.000                  | seconds |
| Battery Total Time Awake                           | 26783288               | seconds |
| Key in Ignition                                    | Key_Def                |         |
| Key Position                                       | Ign_Lock               |         |
| EPT -WakeUp                                        | Not Sourced            |         |
| HCP Contactor Command                              | Open                   |         |
| Qualified Contactor Command - QCC                  | Open                   |         |
| Verified Contactor Command - VCC                   | Open                   |         |
| Contactor Status                                   | Open                   |         |
| Plug in Status                                     | Not plugged in         |         |
| ChargingLevel                                      | Plug in, but no charge |         |

|                                                                  |             |         |
|------------------------------------------------------------------|-------------|---------|
| Balance Mode                                                     | False       |         |
| Battery in Periodic wake up (Just battery ) at time of Fault     | False       |         |
| Battery in Periodic wake up (Wake up vehicle) at time of Fault   | False       |         |
| Vehicle mileage at time of fault (ODO signal in \$3D2)           | 7147.15     | miles   |
| Battery Lifetime Miles                                           | CD80C2      | miles   |
| Vehicle Speed                                                    | 0.0         | MPH     |
| System (12) Volts at time of fault                               | 12.809      | Volts   |
| Battery Lifetime AmpHrs of Charge                                | 7069.4      | AHr     |
| Battery Lifetime AmpHrs of DisCharge                             | 7048.4      | AHr     |
| SOC at time of Fault                                             | 26.3        | %       |
| Power Up SOC at time of Fault                                    | 23.1        | %       |
| HVIL Status -Vehicle                                             | Not Sourced |         |
| HVIL Status - Battery pack                                       | PASS        |         |
| HVIL PWM Duty Cycle - Vehicle                                    | 0.0         | %       |
| HVIL PWM Frequency - Vehicle                                     | 0.0         | Hz      |
| HVIL PWM peak voltage Sourced - Vehicle                          | 0.275       | Volts   |
| HVIL PWM peak voltage Sensed - Vehicle                           | 0.268       | Volts   |
| HVIL Source Voltage- Battery                                     | 1.377       | Volts   |
| HVIL Returned current - Battery                                  | 30.60       | mA      |
| HV Battery Current Sensor 1 Hall High                            | -1.90       | Amps    |
| HV Battery Current Sensor 2 Hall Low                             | -0.05       | Amps    |
| HV Battery Current HVBatCrnt                                     | 0.00        | Amps    |
| HV Cooling Speed Pump 1 Target                                   | 0           | rpm     |
| HV Cooling Speed pump 1 Speed                                    | 0           | rpm     |
| Charge indicator Temp                                            | 73          | °F      |
| BPCM temperature max                                             | 131         | °F      |
| BPCM temperature min                                             | 124         | °F      |
| Pump - Wire Open\Short to Gnd                                    | PASS        |         |
| Pump - Dry Run Detection                                         | PASS        |         |
| Pump - Overcurrent                                               | PASS        |         |
| Pump - Overtemperature                                           | PASS        |         |
| Pump - Switch Power Shorted                                      | PASS        |         |
| Isolation Circuitry Va                                           | 2.500       | Volts   |
| Isolation Circuitry Vb                                           | 2.501       | Volts   |
| Isolation Circuitry Vd                                           | 0.000       | Volts   |
| WC and Circuitry 2.5V Reference Voltage                          | 2.501       | Volts   |
| WC and Circuitry Vcc Voltage                                     | 5.007       | Volts   |
| WC and CircuitryISO 8V Reference Voltage                         | 7.973       | Volts   |
| WC and Circuitry Weld Contactor Sensor G (Pack Negative) Voltage | 0.0         | Volts   |
| Cycles left to self heal                                         | 40          | No Unit |
| Fault trigger level 1                                            | False       |         |
| Fault trigger level 2                                            | False       |         |
| Fault trigger level 3                                            | False       |         |
| Fault Path                                                       | 01          |         |

|                                                   |                |           |
|---------------------------------------------------|----------------|-----------|
| HV Battery Charge Power 2sec                      | 3000           | watts     |
| HV Battery Charge Power 10sec                     | 3000           | watts     |
| HV Battery Discharge Power 2sec                   | 3000           | watts     |
| HV Battery Discharge Power 10sec                  | 3000           | watts     |
| HV Battery Power                                  | 007530         | watts     |
| Key - DriveRdy (CAN)                              | True           |           |
| Battery Lifetime Number Of Closes                 | 2986           |           |
| Battery Full AmpHr Capacity                       | 48             | AmpHrs    |
| Cell Impedance Max Discharge                      | 0              | mOhms     |
| Cell Impedance Mim Discharge                      | 0              | mOhms     |
| Battery Cell Voltage Maximum                      | 3585           | mV        |
| Battery Cell Voltage Minimum                      | 3578           | mV        |
| Battery Cell Voltage Average                      | 3582           | mV        |
| Battery Cell Highest Cell number                  | 03             |           |
| Battery Cell Lowest Cell number                   | 41             |           |
| HV Battery Voltage (cell sum)                     | 343.90         | Volts     |
| HV Battery Voltage (Module Sum)                   | 343.80         | Volts     |
| HV Sensor A Pack Voltage                          | 343.90         | Volts     |
| HV Sensor B Bus\Link (Pre-Fuse) Voltage           | 1.40           | Volts     |
| HV Sensor C OBCM (HVOBC Fuse) Voltage             | 0.80           | Volts     |
| HV Sensor D Heater (HVHTR Fuse) Voltage           | 0.80           | Volts     |
| HV Sensor G Weld Contactor(Pack Negative) Voltage | 0.0            | Volts     |
| Battery Temperature Maximum Module                | 131            | °F        |
| Battery Temperature Minimum Module                | 124            | °F        |
| Battery Temperature Average Module                | 127            | °F        |
| Battery Temperature Highest Sensor number         | 03             |           |
| Battery Temperature Lowest Sensor number          | 01             |           |
| Battery Temperature Number of Failing Sensors     | 00             |           |
| HV Cooling Pump Relay Drive                       | Not Sourced    |           |
| HV Cooling Battery coolant inlet temp             | 145            | °F        |
| HV Cooling Battery coolant outlet temp            | 145            | °F        |
| HV Cooling OBCM temp inlet Temp                   | 93             | °F        |
| Pump - Battery Coolant Level Low                  | False          |           |
| Isolation Vehicle Diagnostic Status               | Run and Passed |           |
| Isolation Vehicle Impedance                       | 7.1372         | Mega Ohms |
| Isolation Battery Diagnostic Status               | Run and Passed |           |
| Isolation Battery Impedance                       | 0.8480         | Mega Ohms |
| HV Bat SOH-R                                      | 96.5           | %         |
| HV Bat SOH-C                                      | 91.8           | %         |
| BPCM Sec Asic Reset Req                           | Not Active     |           |
| BPCM Sec QA Error Counter                         | 0              | cnts      |
| BPCM Sec MM Hw Reset Error Counter                | 0              | cnts      |
| BPCM Sec Asic Fault Input                         | Not Active     |           |
| BPCM Sec CC Path Test Active                      | Not Active     |           |

|                                         |                         |         |
|-----------------------------------------|-------------------------|---------|
| BPCM L2 General Monitoring Flt Rsn      | L2L1_CELL_MAX_V_CMP_FLT |         |
| BPCM L2 CC Path Test Req                | Undetermined            |         |
| BPCM L2 Contactor Dslb Req              | Undetermined            |         |
| BPCM L2 ASIC Diagnostic Flt Rsn         | ADCTest                 |         |
| BPCM Sec HW Timer Status                | Not Active              |         |
| BPCM Sec Contactor State                | Open                    |         |
| BPCM Main HW Timer Status               | Not Active              |         |
| BPCM Sec Asic Fault State               | NOTASSERTED             |         |
| BPCM L2 SM Hw Reset Error Counter       | 0                       | No Unit |
| Engine Speed                            | 0                       | rpm     |
| Accelerator position                    | 7.5                     | %       |
| Real time clock                         | 429496.7295             | seconds |
| Real time clock-OS Task Delay Timer     | 0                       |         |
| Real Time Clock Validity                | True                    |         |
| DTC                                     | 1A 9A 00                |         |
| Test Failed                             | False                   |         |
| Test Failed This Operation Cycle        | False                   |         |
| Pending DTC                             | False                   |         |
| Confirmed DTC                           | True                    |         |
| Test Not Completed Since Last Clear     | False                   |         |
| Test Failed Since Last Clear            | True                    |         |
| Test Not Completed This Operation Cycle | False                   |         |
| Warning Indicator Requested             | False                   |         |
| DTC Extended Data Record Number - All   | 01                      |         |
| Occurrence flag                         | Error                   |         |
| Original Odometer Value                 | 7138                    | miles   |
| Most Recent Odometer Value              | 7138                    | miles   |
| DTC Extended Data Record Number - 2     | 60                      |         |

#### BPCM | P1A9E-00 | Stored | Hybrid/EV Battery Temperature Sensor 2 Out of Range Low-

| NAME                                               | VALUE             | UNITS   |
|----------------------------------------------------|-------------------|---------|
| Frequency Counter                                  | 1                 |         |
| Ignition Cycle Counter                             | 1                 |         |
| FoM - for this DTC (lifetime fails)                | 3                 | events  |
| FoM - for this DTC (lifetime fails counts on pass) | 24.8799           | seconds |
| FoM - for this DTC (lifetime longest fail on pass) | 4.960             | seconds |
| Battery Total Time Awake                           | 26783232          | seconds |
| Key in Ignition                                    | Key_Def           |         |
| Key Position                                       | Ign_ Run          |         |
| EPT-WakeUp                                         | Sourced           |         |
| HCP Contactor Command                              | Closed            |         |
| Qualified Contactor Command - QCC                  | Closed            |         |
| Verified Contactor Command - VCC                   | Closed Restricted |         |
| Contactor Status                                   | Closed            |         |

|                                                                  |                        |         |
|------------------------------------------------------------------|------------------------|---------|
| Plug in Status                                                   | Not plugged in         |         |
| ChargingLevel                                                    | Plug in, but no charge |         |
| Balance Mode                                                     | False                  |         |
| Battery in Periodic wake up (Just battery ) at time of Fault     | False                  |         |
| Battery in Periodic wake up (Wake up vehicle) at time of Fault   | False                  |         |
| Vehicle mileage at time of fault (ODO signal in \$3D2)           | 7147.15                | miles   |
| Battery Lifetime Miles                                           | CD80C2                 | miles   |
| Vehicle Speed                                                    | 0.0                    | MPH     |
| System (12) Volts at time of fault                               | 14.507                 | Volts   |
| Battery Lifetime AmpHrs of Charge                                | 7069.4                 | AHr     |
| Battery Lifetime AmpHrs of DisCharge                             | 7048.4                 | AHr     |
| SOC at time of Fault                                             | 26.3                   | %       |
| Power Up SOC at time of Fault                                    | 23.1                   | %       |
| HVIL Status -Vehicle                                             | PASS                   |         |
| HVIL Status - Battery pack                                       | PASS                   |         |
| HVIL PWM Duty Cycle - Vehicle                                    | 50.2                   | %       |
| HVIL PWM Frequency - Vehicle                                     | 87.9                   | Hz      |
| HVIL PWM peak voltage Sourced - Vehicle                          | 13.408                 | Volts   |
| HVIL PWM peak voltage Sensed - Vehicle                           | 13.349                 | Volts   |
| HVIL Source Voltage- Battery                                     | 1.385                  | Volts   |
| HVIL Returned current - Battery                                  | 30.70                  | mA      |
| HV Battery Current Sensor 1 Hall High                            | -4.65                  | Amps    |
| HV Battery Current Sensor 2 Hall Low                             | -3.00                  | Amps    |
| HV Battery Current HVBatCrnt                                     | -3.45                  | Amps    |
| HV Cooling Speed Pump 1 Target                                   | 600                    | rpm     |
| HV Cooling Speed pump 1 Speed                                    | 600                    | rpm     |
| Charge indicator Temp                                            | 73                     | °F      |
| BPCM temperature max                                             | 131                    | °F      |
| BPCM temperature min                                             | 124                    | °F      |
| Pump - Wire Open\Short to Gnd                                    | PASS                   |         |
| Pump - Dry Run Detection                                         | PASS                   |         |
| Pump - Overcurrent                                               | PASS                   |         |
| Pump - Overtemperature                                           | PASS                   |         |
| Pump - Switch Power Shorted                                      | PASS                   |         |
| Isolation Circuitry Va                                           | 2.545                  | Volts   |
| Isolation Circuitry Vb                                           | 2.502                  | Volts   |
| Isolation Circuitry Vd                                           | 0.000                  | Volts   |
| WC and Circuitry 2.5V Reference Voltage                          | 2.501                  | Volts   |
| WC and Circuitry Vcc Voltage                                     | 5.019                  | Volts   |
| WC and CircuitryISO 8V Reference Voltage                         | 7.973                  | Volts   |
| WC and Circuitry Weld Contactor Sensor G (Pack Negative) Voltage | 0.6                    | Volts   |
| Cycles left to self heal                                         | 40                     | No Unit |
| Fault trigger level 1                                            | False                  |         |
| Fault trigger level 2                                            | False                  |         |

|                                                   |                |           |
|---------------------------------------------------|----------------|-----------|
| Fault trigger level 3                             | False          |           |
| Fault Path                                        | 01             |           |
| HV Battery Charge Power 2sec                      | 3000           | watts     |
| HV Battery Charge Power 10sec                     | 300            | watts     |
| HV Battery Discharge Power 2sec                   | 3000           | watts     |
| HV Battery Discharge Power 10sec                  | 300            | watts     |
| HV Battery Power                                  | 0074B9         | watts     |
| Key - DriveRdy (CAN)                              | True           |           |
| Battery Lifetime Number Of Closes                 | 2986           |           |
| Battery Full AmpHr Capacity                       | 48             | AmpHrs    |
| Cell Impedance Max Discharge                      | 0              | mOhms     |
| Cell Impedance Mim Discharge                      | 0              | mOhms     |
| Battery Cell Voltage Maximum                      | 3589           | mV        |
| Battery Cell Voltage Minimum                      | 3581           | mV        |
| Battery Cell Voltage Average                      | 3586           | mV        |
| Battery Cell Highest Cell number                  | 02             |           |
| Battery Cell Lowest Cell number                   | 43             |           |
| HV Battery Voltage (cell sum)                     | 344.20         | Volts     |
| HV Battery Voltage (Module Sum)                   | 344.20         | Volts     |
| HV Sensor A Pack Voltage                          | 344.30         | Volts     |
| HV Sensor B Bus\Link (Pre-Fuse) Voltage           | 344.30         | Volts     |
| HV Sensor C OBCM (HVOBC Fuse) Voltage             | 344.30         | Volts     |
| HV Sensor D Heater (HVHTR Fuse) Voltage           | 344.30         | Volts     |
| HV Sensor G Weld Contactor(Pack Negative) Voltage | 0.6            | Volts     |
| Battery Temperature Maximum Module                | 131            | °F        |
| Battery Temperature Minimum Module                | 124            | °F        |
| Battery Temperature Average Module                | 127            | °F        |
| Battery Temperature Highest Sensor number         | 03             |           |
| Battery Temperature Lowest Sensor number          | 01             |           |
| Battery Temperature Number of Failing Sensors     | 00             |           |
| HV Cooling Pump Relay Drive                       | Not Sourced    |           |
| HV Cooling Battery coolant inlet temp             | 144            | °F        |
| HV Cooling Battery coolant outlet temp            | 144            | °F        |
| HV Cooling OBCM temp inlet Temp                   | 93             | °F        |
| Pump - Battery Coolant Level Low                  | False          |           |
| Isolation Vehicle Diagnostic Status               | Run and Passed |           |
| Isolation Vehicle Impedance                       | 6.9995         | Mega Ohms |
| Isolation Battery Diagnostic Status               | Run and Passed |           |
| Isolation Battery Impedance                       | 0.8480         | Mega Ohms |
| HV Bat SOH-R                                      | 96.5           | %         |
| HV Bat SOH-C                                      | 91.8           | %         |
| BPCM Sec Asic Reset Req                           | Not Active     |           |
| BPCM Sec QA Error Counter                         | 0              | cnts      |
| BPCM Sec MM Hw Reset Error Counter                | 0              | cnts      |

|                                         |                         |         |
|-----------------------------------------|-------------------------|---------|
| BPCM Sec Asic Fault Input               | Not Active              |         |
| BPCM Sec CC Path Test Active            | Not Active              |         |
| BPCM L2 General Monitoring Flt Rsn      | L2L1_CELL_MAX_V_CMP_FLT |         |
| BPCM L2 CC Path Test Req                | Undetermined            |         |
| BPCM L2 Contactor Dslb Req              | Undetermined            |         |
| BPCM L2 ASIC Diagnostic Flt Rsn         | ADCTest                 |         |
| BPCM Sec HW Timer Status                | Not Active              |         |
| BPCM Sec Contactor State                | Close                   |         |
| BPCM Main HW Timer Status               | Not Active              |         |
| BPCM Sec Asic Fault State               | NOTASSERTED             |         |
| BPCM L2 SM Hw Reset Error Counter       | 0                       | No Unit |
| Engine Speed                            | 4950                    | rpm     |
| Accelerator position                    | 7.8                     | %       |
| Real time clock                         | 429496.7295             | seconds |
| Real time clock-OS Task Delay Timer     | 0                       |         |
| Real Time Clock Validity                | True                    |         |
| DTC                                     | 1A 9E 00                |         |
| Test Failed                             | False                   |         |
| Test Failed This Operation Cycle        | False                   |         |
| Pending DTC                             | False                   |         |
| Confirmed DTC                           | True                    |         |
| Test Not Completed Since Last Clear     | False                   |         |
| Test Failed Since Last Clear            | True                    |         |
| Test Not Completed This Operation Cycle | False                   |         |
| Warning Indicator Requested             | False                   |         |
| DTC Extended Data Record Number - All   | 01                      |         |
| Occurrence flag                         | Error                   |         |
| Original Odometer Value                 | 7138                    | miles   |
| Most Recent Odometer Value              | 7138                    | miles   |
| DTC Extended Data Record Number - 2     | 62                      |         |

**VRM | B15AE-00 | Stored | Lost Low Voltage Differential Signal (LVDS) Connection with Media Port 2-**

| NAME                                    | VALUE    | UNITS |
|-----------------------------------------|----------|-------|
| DTC                                     | 95 AE 00 |       |
| Test Failed                             | False    |       |
| Test Failed This Operation Cycle        | False    |       |
| Pending DTC                             | False    |       |
| Confirmed DTC                           | True     |       |
| Test Not Completed Since Last Clear     | False    |       |
| Test Failed Since Last Clear            | True     |       |
| Test Not Completed This Operation Cycle | False    |       |
| Warning Indicator Requested             | False    |       |
| DTC Extended Data Record Number - All   | 01       |       |
| Occurrence flag                         | Error    |       |



|                            |      |       |
|----------------------------|------|-------|
| Original Odometer Value    | 6969 | miles |
| Most Recent Odometer Value | 6969 | miles |
| Frequency Counter          | 1    |       |
| Ignition Cycle Counter     | 56   |       |

**SNAPSHOT DATA SUMMARY**

- No Snapshot Data available for B10EB-00
- No Snapshot Data available for B233C-00
- No Snapshot Data available for C2225-00
- No Snapshot Data available for P1A9A-00
- No Snapshot Data available for P1A9E-00
- No Snapshot Data available for B15AE-00



## VEHICLE SCAN REPORT

**Vehicle** 2021 CHRYSLER PACIFICA (PHEV) 3.6L V6 HYBRID ENGINE  
**VIN** [REDACTED]

**Odometer** 5437.8 miles  
**Publication Date** Aug 5, 2021, 11:02:43 AM

### ECU SUMMARY INFO

| ECU   | NAME                           | BUS TYPE | FLASH PART # | PART #     |
|-------|--------------------------------|----------|--------------|------------|
| PCM   | Powertrain Control Module      | CAN-C    | 68499122AE   | 68499122AE |
| PLGM  | Power Liftgate                 | CAN-I    | 68466171AF   | 68466171AF |
| ICS   | Integrated Center Stack        | CAN-I    | 7AS341X8AA   | 7AS341X8AA |
| RFH   | Radio Frequency Hub            | CAN-C    | 68500152AA   | 68500152AA |
| ESM   | Electronic Shifter             | CAN-C    | 68240089AM   | 68240089AM |
| ORC   | Occupant Restraint             | CAN-C    | 68480710AC   | 68480710AC |
| EPS   | Electric Power Steering        | CAN-C    | 68460392AA   | 68460392AA |
| HVAC  | Heat, Ventilation and A/C      | CAN-I    | 68493454AE   | 68493454AE |
| DDM   | Driver Door Module             | CAN-I    | 68496461AB   | 68496461AB |
| PDM   | Passenger Door Module          | CAN-I    | 68496460AB   | 68496460AB |
| DMRL  | Door Module Rear Left          | CAN-I    | 68508894AB   | 68508894AB |
| DMRR  | Door Module Rear Right         | CAN-I    | 68508894AB   | 68508894AB |
| PSDML | Power Sliding Doors (Left)     | CAN-I    | 68369596AD   | 68369596AD |
| PSDMR | Power Sliding Doors (Right)    | CAN-I    | 68369596AD   | 68369596AD |
| MSM   | Memory Seat Module             | CAN-I    | 68321862AC   | 68321862AC |
| CSWM  | Comfort Seat Wheel Module      | CAN-I    | 68517013AB   | 68517013AB |
| AMP   | Amplifier                      | CAN-I    | 68448067AA   | 68448067AA |
| IPC   | Instrument Panel Cluster       | CAN-C    | 68434960AE   | 68434960AE |
| PTS   | Parktronics                    | CAN-C    | 68485862AA   | 68485862AA |
| SCCM  | Steering Column Control Module | CAN-C    | 68360889AD   | 68360889AD |
| BCM   | Body Controller                | CAN-C    | 68491085AG   | 68491085AG |

| P     |                                    |       |            |            |
|-------|------------------------------------|-------|------------|------------|
| ACC   | Adaptive Cruise Control            | CAN-C | 68540436AA | 68540436AA |
| RADIO | Radio                              | CAN-I | 68465292AC | 68465292AC |
| OCM   | Occupant Classification            | CAN-C | 68403127AA | 68403127AA |
| HVACR | Heat, Ventilation and A/C Rear     | CAN-I | 68373079AB | 68373079AB |
| LBSS  | Left Blind Spot Sensor             | CAN-I | 04672786AB | 04672786AB |
| RBSS  | Right Blind Spot Sensor            | CAN-I | 04672786AB | 04672786AB |
| FFCM  | Forward Facing Camera Module       | CAN-C | 68493395AA | 68493395AA |
| EDM   | External Disc Module               | CAN-I | 68499745AA | 68499745AA |
| APM   | Accessory Power Module             | CAN-C | 05185046AB | 05185046AB |
| BPCM  | Battery Pack Control Module        | CAN-C | 05193183AE | 05193183AE |
| HCP   | Hybrid Control Processor           | CAN-C | 05185116AH | 05185116AH |
| OBCM  | On Board Charging Module           | CAN-C | 05185047AE | 05185047AE |
| MSMP  | Memory Seat Module - Passenger     | CAN-I | 68321862AC | 68321862AC |
| DSM   | Display Screen Module              | CAN-I | 68437339AD | 68437339AD |
| VRM   | Video Routing Module               | CAN-I | 68493702AA | 68493702AA |
| RCCC  | Rear Cabin Comfort Controls        | CAN-I | 6WL30PD2AA | 6WL30PD2AA |
| CVPM  | Central vision processing module   | CAN-I | 56029920AB | 56029920AB |
| EAC   | Electric A/C Compressor            | CAN-C | 68237995AG | 68237995AG |
| AHCP  | Auxiliary Hybrid Control Processor | CAN-C | 05185117AH | 05185117AH |
| EBBM  | Electronic Brake Booster Module    | CAN-C | 68461813AB | 68461813AB |
| ABSO  | Anti Lock Brakes OBD               | CAN-C | 68471122AD | 68471122AD |
| SGW   | Security Gateway Module            | CAN-C | 68488429AB | 68488429AB |
| TBM2  | Telematic Box Module 2             | CAN-C | 68546266AB | 68546266AB |

### ECU SUMMARY INFO (CONT...)

| ECU  | COUNTRY CODE | HARDWARE VERSION | SOFTWARE VERSION | IDENT        | CVNS     |
|------|--------------|------------------|------------------|--------------|----------|
| PCM  | USA          | 1B 47            | 75 01 01         | 4422         | F2DB13B9 |
| PLGM | USA          | 0                | 5269             | 000200000031 |          |
| ICS  | USA          | 0F 0C 00         | 13 31 01         | 4700         |          |
| RFH  | USA / USA    | 10 17 00         | 13 26 00         | 4A00         |          |

|       |                              |          |          |              |                                  |
|-------|------------------------------|----------|----------|--------------|----------------------------------|
| ESM   | USA / USA                    | 0F 24 00 | 12 28 FF | 4402         |                                  |
| ORC   | USA / USA                    | 12 1A 00 | 13 2E 00 | 4301         |                                  |
| EPS   | USA / USA                    | 12 2A 00 | 12 1E 01 | 4502         |                                  |
| HVAC  | USA                          | 0E 09 00 | 14 2F 01 | 4401         |                                  |
| DDM   | USA                          | 11 07 00 | 14 07 00 | 4202         |                                  |
| PDM   | USA                          | 11 07 00 | 14 07 00 | 4202         |                                  |
| DMRL  | USA / USA                    | 10 0B 00 | 14 08 00 | 4201         |                                  |
| DMRR  | USA / USA                    | 10 0B 00 | 14 08 00 | 4201         |                                  |
| PSDML | USA / USA                    | 10 17 00 | 14 10 12 | 4001         |                                  |
| PSDMR | USA / USA                    | 10 17 00 | 14 10 12 | 4001         |                                  |
| MSM   | USA                          | 0F 2B 00 | 10 27 03 | 4101         |                                  |
| CSWM  | USA                          | 11 2A 00 | 14 25 00 | 4302         |                                  |
| AMP   | USA                          | 0F 06 01 | 12 2E 01 | 4021         |                                  |
| IPC   | USA / USA                    | 12 06 00 | 14 2B 00 | 4705         |                                  |
| PTS   | USA                          | 0E 32 00 | 14 07 00 | 4311         |                                  |
| SCCM  | USA                          | 13 28 00 | 13 29 00 | 4301         |                                  |
| BCM   | USA                          | 0D 11 00 | 14 26 90 | 4420         |                                  |
| ACC   | USA / USA                    | 14 12 01 | 14 26 01 | 4400         |                                  |
| RADIO |                              | 65       | 5175     | 000200000008 |                                  |
| OCM   | USA / USA                    | 11 1F 01 | 0E 2F 02 | 4030         |                                  |
| HVACR | USA                          | 0E 09 00 | 10 03 02 | 4301         |                                  |
| LBSS  | USA / USA                    | 11 30 02 | 12 0D 00 | 4202         |                                  |
| RBSS  | USA / USA                    | 11 30 02 | 12 0D 00 | 4202         |                                  |
| FFCM  | USA / USA                    | 11 06 00 | 13 1E 00 | 4102         |                                  |
| EDM   | USA                          | 12 0A 00 | 11 08 00 | 4000         |                                  |
| APM   | USA / USA                    | 11 32 00 | 11 32 00 | 4001         |                                  |
| BPCM  | Not programmed / COUNTRY_SNA | 0E 03 00 | 14 2C 00 | 4005         | 79855957                         |
| HCP   | USA                          | 11 1F 04 | 0F 2D 00 | 4006         | 879F1587<br>D754327D<br>050DC953 |
| OBCM  | USA                          | 0F 0D 00 | 12 02 00 | 4002         |                                  |
| MSMP  | USA                          | 0F 2B 00 | 10 27 03 | 4001         |                                  |
| DSM   | USA / USA                    | 14 0C 00 | 14 28 00 | 4300         |                                  |
| VRM   | USA / USA                    | 0F 1C 00 | 14 1E 14 | 4001         |                                  |
| RCCC  | USA                          | 0F 1D 00 | 13 04 00 | 4000         |                                  |
| CVPM  | USA / USA                    | 11 27 01 | 14 0C 01 | 4004         |                                  |
| EAC   | USA                          | 0E 34 00 | 12 0F 00 | 4102         |                                  |
| AHCP  | USA                          | 11 1F 04 | 0F 2D 00 | 4000         |                                  |
| EBBM  | USA                          | 0E 19 02 | 14 0D 18 | 4000         | E5898FA5                         |
| ABSO  | USA                          | 0E 15 02 | 14 1B 26 | 4201         | 4F158D1B                         |
| SGW   |                              | 5        | 969      | 4103         |                                  |
| TBM2  | USA                          | 13 0E 02 | 14 2A 5C | 4104         |                                  |

## DTC SUMMARY

| ECU | DTC CODE | DTC DESCRIPTION | STATUS |
|-----|----------|-----------------|--------|
|-----|----------|-----------------|--------|

|      |          |                                                                             |         |
|------|----------|-----------------------------------------------------------------------------|---------|
| PCM  | U140A    | Implausible Right Front Wheel Speed Signal Received                         | Stored  |
| PCM  | U1409    | Implausible Left Front Wheel Speed Signal Received                          | Pending |
| PLGM | B1975-00 | Power Liftgate Latch Cinch - Ratchet Secondary Switch Performance-          | Stored  |
| DDM  | U0232-00 | Lost Communication with Blind Spot Detection Module-                        | Stored  |
| PDM  | U0232-00 | Lost Communication with Blind Spot Detection Module-                        | Stored  |
| MSM  | B233C-00 | Commanded Position Not Reachable-                                           | Stored  |
| PTS  | U0415-00 | Invalid Data Received from Anti-Lock Brake System (ABS) Control Module "A"- | Stored  |
| ACC  | P1666-00 | Cruise Control Module Internal-                                             | Stored  |
| ACC  | C2225-00 | PCM Disabled ECU-                                                           | Stored  |
| ACC  | C2227-00 | ABS Disabled ECU-                                                           | Stored  |
| ACC  | U0415-00 | Invalid Data Received from Anti-Lock Brake System (ABS) Control Module "A"- | Stored  |
| BPCM | P1AAA-00 | Hybrid/EV Battery Temperature Sensor 5 Out of Range Low-                    | Stored  |
| BPCM | P1AAE-00 | Hybrid/EV Battery Temperature Sensor 6 Out of Range Low-                    | Stored  |
| BPCM | P1AA6-00 | Hybrid/EV Battery Temperature Sensor 4 Out of Range Low-                    | Stored  |
| BPCM | P1AA2-00 | Hybrid/EV Battery Temperature Sensor 3 Out of Range Low-                    | Stored  |
| BPCM | P1A9A-00 | Hybrid/EV Battery Temperature Sensor 1 Out of Range Low-                    | Stored  |
| BPCM | P1A9E-00 | Hybrid/EV Battery Temperature Sensor 2 Out of Range Low-                    | Stored  |
| HCP  | P062C-00 | Internal Control Module Vehicle Speed Performance-                          | Stored  |
| HCP  | U0415-00 | Invalid Data Received from Anti-Lock Brake System (ABS) Control Module "A"- | Stored  |
| HCP  | U1852-00 | Implausible Data Received from ABS on D-PT-                                 | Stored  |
| ABSO | C0501-00 | Left Front Wheel Speed Sensor "A" Range/Performance-                        | Stored  |
| ABSO | C0507-00 | Right Front Wheel Speed Sensor "A" Range/Performance-                       | Stored  |

## ENVIRONMENTAL DATA SUMMARY

### PCM | U140A | Stored | Implausible Right Front Wheel Speed Signal Received

| NAME                                  | VALUE        | UNITS   |
|---------------------------------------|--------------|---------|
| DTC                                   | D4 0A        |         |
| Warning Indicator Request State       | Off          |         |
| DTC Readiness Flag                    | Not Complete |         |
| DTC Storage State                     | Stored       |         |
| Number of DTC                         | 1            |         |
| Accumulation Timer                    | 1            | minutes |
| Starts Since Set Counter              | 5            |         |
| Ignition Key Cycles                   | 6            |         |
| Odometer                              | 5424.3       | miles   |
| Warm Up Cycles                        | 0            |         |
| Good Trip Counter                     | 0            |         |
| Key Cycles Since DTC Last Set Counter | 7            |         |

### PCM | U1409 | Pending | Implausible Left Front Wheel Speed Signal Received

| NAME               | VALUE | UNITS |
|--------------------|-------|-------|
| DTC                |       |       |
| DTC Readiness Flag |       |       |

|                                       |   |         |
|---------------------------------------|---|---------|
| DTC Storage State                     |   |         |
| Warning Indicator Request State       |   |         |
| Number of DTC                         | 0 |         |
| Odometer                              |   | miles   |
| Starts Since Set Counter              |   |         |
| Accumulation Timer                    |   | minutes |
| Ignition Key Cycles                   |   |         |
| Warm Up Cycles                        |   |         |
| Good Trip Counter                     |   |         |
| Key Cycles Since DTC Last Set Counter |   |         |

**PLGM | B1975-00 | Stored | Power Liftgate Latch Cinch - Ratchet Secondary Switch Performance-**

| NAME | VALUE | UNITS |
|------|-------|-------|
|------|-------|-------|

**DDM | U0232-00 | Stored | Lost Communication with Blind Spot Detection Module-**

| NAME                                    | VALUE | UNITS |
|-----------------------------------------|-------|-------|
| Confirmed DTC                           | True  |       |
| Test Failed                             | False |       |
| Test Failed This Operation Cycle        | False |       |
| Test Not Completed This Operation Cycle | False |       |
| Test Not Completed Since Last Clear     | False |       |
| Test Failed Since Last Clear            | True  |       |
| Pending DTC                             | False |       |
| Occurrence flag                         | ERROR |       |
| Warning Indicator Requested             | False |       |
| DTC Extended Data Record Number - All   | FF    |       |
| Original Odometer Value                 | 4951  | miles |
| Operation Cycle Counter                 | 105   |       |
| Most Recent Odometer Value              | 4951  | miles |
| Frequency Counter                       | 1     |       |

**PDM | U0232-00 | Stored | Lost Communication with Blind Spot Detection Module-**

| NAME                                    | VALUE | UNITS |
|-----------------------------------------|-------|-------|
| Test Failed                             | False |       |
| Test Failed This Operation Cycle        | False |       |
| Pending DTC                             | False |       |
| Test Not Completed This Operation Cycle | False |       |
| Confirmed DTC                           | True  |       |
| DTC Extended Data Record Number - All   | FF    |       |
| Test Failed Since Last Clear            | True  |       |
| Warning Indicator Requested             | False |       |
| Test Not Completed Since Last Clear     | False |       |
| Occurrence flag                         | ERROR |       |
| Most Recent Odometer Value              | 4951  | miles |

|                         |      |       |
|-------------------------|------|-------|
| Operation Cycle Counter | 105  |       |
| Frequency Counter       | 1    |       |
| Original Odometer Value | 4951 | miles |

**MSM | B233C-00 | Stored | Commanded Position Not Reachable-**

| NAME                                               | VALUE                        | UNITS  |
|----------------------------------------------------|------------------------------|--------|
| Failed Movement Information - Horizontal Motor     | Movement aborted by operator |        |
| Failed Movement Information - Recliner Motor       | No Failed Movement           |        |
| Failed Movement Information - Vertical Front Motor | No Failed Movement           |        |
| Failed Movement Information - Vertical Rear Motor  | No Failed Movement           |        |
| Movement Direction - Recliner Motor                | Motor not moving             |        |
| Movement Direction - Horizontal Motor              | Forward / Up                 |        |
| Movement Direction - Vertical Front Motor          | Motor not moving             |        |
| Movement Direction - Vertical Rear Motor           | Motor not moving             |        |
| Obstacle Detection Location - Horizontal Motor     | No Obstacle Detected         | Counts |
| Horizontal Motor Position - end of movement        | 32703                        | Counts |
| Recliner Motor Position - end of movement          | 32080                        | Counts |
| Vertical Front Motor Position - end of movement    | 33262                        | Counts |
| Vertical Rear Motor Position - end of movement     | 33061                        | Counts |
| Horizontal Motor Position - start of movement      | 32535                        | Counts |
| Recliner Motor Position - start of movement        | 32080                        | Counts |
| Vertical Front Motor Position - start of movement  | 33262                        | Counts |
| Vertical Rear Motor Position - start of movement   | 33061                        | Counts |
| ECU Voltage - at start of movement                 | 37DD                         | Volts  |
| ECU Voltage - minimum voltage during movement      | 36C2                         | Volts  |

**PTS | U0415-00 | Stored | Invalid Data Received from Anti-Lock Brake System (ABS) Control Module "A"-**

| NAME                                    | VALUE      | UNITS |
|-----------------------------------------|------------|-------|
| DTC                                     | C4 15 00   |       |
| Test Failed                             | False      |       |
| Test Failed This Operation Cycle        | False      |       |
| Confirmed DTC                           | True       |       |
| Test Not Completed Since Last Clear     | False      |       |
| Test Failed Since Last Clear            | True       |       |
| Test Not Completed This Operation Cycle | False      |       |
| Pending DTC                             | False      |       |
| Warning Indicator Requested             | False      |       |
| DTC Extended Data Record Number - All   | 03         |       |
| Occurrence flag                         | Occurrence |       |
| Frequency Counter                       | 1          |       |
| Original Odometer Value                 | 5428       | miles |
| Most Recent Odometer Value              | 5428       | miles |
| DC/DC Converter Voltage                 | 01         | Volt  |

**ACC | P1666-00 | Stored | Cruise Control Module Internal-**

| NAME                                    | VALUE   | UNITS  |
|-----------------------------------------|---------|--------|
| Test Failed                             | False   |        |
| Test Failed This Operation Cycle        | False   |        |
| Confirmed DTC                           | True    |        |
| Pending DTC                             | False   |        |
| Test Not Completed Since Last Clear     | False   |        |
| Test Failed Since Last Clear            | True    |        |
| Test Not Completed This Operation Cycle | True    |        |
| Warning Indicator Requested             | False   |        |
| Occurrence flag                         | ERROR   |        |
| PRNDL Status                            | P range |        |
| Original Odometer Value                 | 5428    | miles  |
| Most Recent Odometer Value              | 5428    | miles  |
| Frequency Counter                       | 1       |        |
| Operation Cycle Counter                 | 7       |        |
| Vehicle Speed                           | 0       | MPH    |
| Engine RPM                              | 0       | rpm    |
| ACC Set Speed                           | 0       | MPH    |
| Object of Interest Distance             | 830     | FEET   |
| Engine Torque Request                   | SNA     | Ft-Lbs |
| Ignition Voltage                        | 14.5    |        |
| System Voltage                          | 14.5    | Volts  |

**ACC | C2225-00 | Stored | PCM Disabled ECU-**

| NAME                                    | VALUE   | UNITS |
|-----------------------------------------|---------|-------|
| Test Failed                             | False   |       |
| Test Failed This Operation Cycle        | False   |       |
| Pending DTC                             | False   |       |
| Test Not Completed Since Last Clear     | False   |       |
| Test Failed Since Last Clear            | True    |       |
| Test Not Completed This Operation Cycle | False   |       |
| Warning Indicator Requested             | False   |       |
| Confirmed DTC                           | True    |       |
| Occurrence flag                         | ERROR   |       |
| PRNDL Status                            | D range |       |
| Frequency Counter                       | 1       |       |
| Most Recent Odometer Value              | 5428    | miles |
| Original Odometer Value                 | 5428    | miles |
| Operation Cycle Counter                 | 10      |       |
| Vehicle Speed                           | 60      | MPH   |
| Engine RPM                              | 2592    | rpm   |
| Object of Interest Distance             | 830     | FEET  |
| ACC Set Speed                           | 71      | MPH   |



|                       |      |        |
|-----------------------|------|--------|
| Engine Torque Request | SNA  | Ft-Lbs |
| System Voltage        | 14.1 | Volts  |
| Ignition Voltage      | 14.0 |        |

**ACC | C2227-00 | Stored | ABS Disabled ECU-**

| NAME                                    | VALUE   | UNITS  |
|-----------------------------------------|---------|--------|
| Test Failed This Operation Cycle        | False   |        |
| Pending DTC                             | False   |        |
| Confirmed DTC                           | True    |        |
| Test Failed                             | False   |        |
| Test Failed Since Last Clear            | True    |        |
| Test Not Completed Since Last Clear     | False   |        |
| Test Not Completed This Operation Cycle | False   |        |
| Warning Indicator Requested             | False   |        |
| Occurrence flag                         | ERROR   |        |
| PRNDL Status                            | D range |        |
| Most Recent Odometer Value              | 5428    | miles  |
| Original Odometer Value                 | 5428    | miles  |
| Frequency Counter                       | 2       |        |
| Operation Cycle Counter                 | 6       |        |
| Vehicle Speed                           | 0       | MPH    |
| Engine RPM                              | 0       | rpm    |
| ACC Set Speed                           | 0       | MPH    |
| Object of Interest Distance             | 830     | FEET   |
| Engine Torque Request                   | SNA     | Ft-Lbs |
| Ignition Voltage                        | 14.5    |        |
| System Voltage                          | 14.5    | Volts  |

**ACC | U0415-00 | Stored | Invalid Data Received from Anti-Lock Brake System (ABS) Control Module "A"-**

| NAME                                    | VALUE   | UNITS |
|-----------------------------------------|---------|-------|
| Test Failed This Operation Cycle        | False   |       |
| Test Failed                             | False   |       |
| Pending DTC                             | False   |       |
| Confirmed DTC                           | True    |       |
| Test Failed Since Last Clear            | True    |       |
| Test Not Completed Since Last Clear     | False   |       |
| Test Not Completed This Operation Cycle | True    |       |
| Warning Indicator Requested             | True    |       |
| Occurrence flag                         | ERROR   |       |
| PRNDL Status                            | P range |       |
| Most Recent Odometer Value              | 5428    | miles |
| Original Odometer Value                 | 5428    | miles |
| Frequency Counter                       | 1       |       |
| Operation Cycle Counter                 | 6       |       |

|                             |      |        |
|-----------------------------|------|--------|
| Vehicle Speed               | 0    | MPH    |
| ACC Set Speed               | 0    | MPH    |
| Engine RPM                  | 0    | rpm    |
| Object of Interest Distance | 830  | FEET   |
| Engine Torque Request       | SNA  | Ft-Lbs |
| Ignition Voltage            | 14.4 |        |
| System Voltage              | 14.5 | Volts  |

#### BPCM | P1AAA-00 | Stored | Hybrid/EV Battery Temperature Sensor 5 Out of Range Low-

| NAME                                                           | VALUE                  | UNITS |
|----------------------------------------------------------------|------------------------|-------|
| Key in Ignition                                                | Key_Def                |       |
| Key Position                                                   | Ign_Run                |       |
| EPT -WakeUp                                                    | Sourced                |       |
| HCP Contactor Command                                          | Open                   |       |
| Qualified Contactor Command - QCC                              | Open                   |       |
| Verified Contactor Command - VCC                               | Open                   |       |
| Contactor Status                                               | Open                   |       |
| Plug in Status                                                 | Not plugged in         |       |
| ChargingLevel                                                  | Plug in, but no charge |       |
| Balance Mode                                                   | False                  |       |
| Battery in Periodic wake up (Just battery ) at time of Fault   | False                  |       |
| Battery in Periodic wake up (Wake up vehicle) at time of Fault | False                  |       |
| HVIL Status -Vehicle                                           | PASS                   |       |
| HVIL Status - Battery pack                                     | PASS                   |       |
| Pump - Wire Open\Short to Gnd                                  | PASS                   |       |
| Pump - Dry Run Detection                                       | PASS                   |       |
| Pump - Overcurrent                                             | PASS                   |       |
| Pump - Overtemperature                                         | PASS                   |       |
| Pump - Switch Power Shorted                                    | PASS                   |       |
| Fault trigger level 1                                          | False                  |       |
| Fault trigger level 2                                          | False                  |       |
| Fault trigger level 3                                          | False                  |       |
| Fault Path                                                     | 01                     |       |
| Key - DriveRdy (CAN)                                           | True                   |       |
| Battery Cell Highest Cell number                               | 01                     |       |
| Battery Cell Lowest Cell number                                | 41                     |       |
| Battery Temperature Highest Sensor number                      | 03                     |       |
| Battery Temperature Lowest Sensor number                       | 01                     |       |
| Battery Temperature Number of Failing Sensors                  | 00                     |       |
| HV Cooling Pump Relay Drive                                    | Not Sourced            |       |
| Pump - Battery Coolant Level Low                               | False                  |       |
| Isolation Vehicle Diagnostic Status                            | Run and Passed         |       |
| Isolation Battery Diagnostic Status                            | Run and Passed         |       |
| BPCM Sec Asic Reset Req                                        | Not active             |       |

|                                                        |                         |         |
|--------------------------------------------------------|-------------------------|---------|
| BPCM Sec Asic Fault Input                              | Not active              |         |
| BPCM Sec CC Path Test Active                           | Not active              |         |
| BPCM L2 General Monitoring Flt Rsn                     | L2L1_CELL_MAX_V_CMP_FLT |         |
| BPCM L2 CC Path Test Req                               | Undetermined            |         |
| BPCM L2 Contactor Dslb Req                             | Undetermined            |         |
| BPCM L2 ASIC Diagnostic Flt Rsn                        | ADCTest                 |         |
| BPCM Sec HW Timer Status                               | Not active              |         |
| BPCM Sec Contactor State                               | Open                    |         |
| BPCM Main HW Timer Status                              | Not active              |         |
| BPCM Sec Asic Fault State                              | NOTASSERTED             |         |
| Real Time Clock Validity                               | True                    |         |
| DTC                                                    | 1A AA 00                |         |
| Test Failed                                            | False                   |         |
| Test Failed This Operation Cycle                       | False                   |         |
| Pending DTC                                            | False                   |         |
| Confirmed DTC                                          | True                    |         |
| Test Not Completed Since Last Clear                    | False                   |         |
| Test Failed Since Last Clear                           | True                    |         |
| Test Not Completed This Operation Cycle                | False                   |         |
| Warning Indicator Requested                            | False                   |         |
| DTC Extended Data Record Number - All                  | 01                      |         |
| Occurrence flag                                        | ERROR                   |         |
| DTC Extended Data Record Number - 2                    | 68                      |         |
| Frequency Counter                                      | 1                       |         |
| Ignition Cycle Counter                                 | 2                       |         |
| FoM - for this DTC (lifetime fails)                    | 1                       | events  |
| FoM - for this DTC (lifetime fails counts on pass)     | 16.1600                 | seconds |
| FoM - for this DTC (lifetime longest fail on pass)     | 1.760                   | seconds |
| Battery Total Time Awake                               | 20917264                | seconds |
| Vehicle mileage at time of fault (ODO signal in \$3D2) | 5437.30                 | miles   |
| Battery Lifetime Miles                                 | CD55B6                  | miles   |
| Vehicle Speed                                          | 0.0                     | MPH     |
| System (12) Volts at time of fault                     | 12.467                  | Volts   |
| Battery Lifetime AmpHrs of Charge                      | 5218.9                  | AHr     |
| Battery Lifetime AmpHrs of DisCharge                   | 5203.7                  | AHr     |
| SOC at time of Fault                                   | 26.3                    | %       |
| Power Up SOC at time of Fault                          | 25.1                    | %       |
| HVIL PWM Duty Cycle - Vehicle                          | 50.2                    | %       |
| HVIL PWM Frequency - Vehicle                           | 87.9                    | Hz      |
| HVIL PWM peak voltage Sensed - Vehicle                 | 11.268                  | Volts   |
| HVIL PWM peak voltage Sourced - Vehicle                | 11.318                  | Volts   |
| HVIL Source Voltage- Battery                           | 1.385                   | Volts   |
| HVIL Returned current - Battery                        | 30.70                   | mA      |
| HV Battery Current Sensor 1 Hall High                  | -0.85                   | Amps    |

|                                                                  |        |           |
|------------------------------------------------------------------|--------|-----------|
| HV Battery Current HVBatCrnt                                     | 0.00   | Amps      |
| HV Battery Current Sensor 2 Hall Low                             | 0.00   | Amps      |
| HV Cooling Speed Pump 1 Target                                   | 0      | rpm       |
| HV Cooling Speed pump 1 Speed                                    | 0      | rpm       |
| Charge indicator Temp                                            | 84     | °F        |
| BPCM temperature max                                             | 131    | °F        |
| BPCM temperature min                                             | 127    | °F        |
| Isolation Circuitry Va                                           | 2.500  | Volts     |
| Isolation Circuitry Vb                                           | 2.502  | Volts     |
| Isolation Circuitry Vd                                           | 0.000  | Volts     |
| WC and Circuitry 2.5V Reference Voltage                          | 2.501  | Volts     |
| WC and Circuitry Vcc Voltage                                     | 5.009  | Volts     |
| WC and CircuitryISO 8V Reference Voltage                         | 7.973  | Volts     |
| WC and Circuitry Weld Contactor Sensor G (Pack Negative) Voltage | -1.8   | Volts     |
| Cycles left to self heal                                         | 40     | No Unit   |
| HV Battery Charge Power 2sec                                     | 3000   | watts     |
| HV Battery Charge Power 10sec                                    | 3000   | watts     |
| HV Battery Discharge Power 2sec                                  | 3000   | watts     |
| HV Battery Discharge Power 10sec                                 | 3000   | watts     |
| HV Battery Power                                                 | 007530 | watts     |
| Battery Lifetime Number Of Closes                                | 2173   |           |
| Battery Full AmpHr Capacity                                      | 47     | AmpHrs    |
| Cell Impedance Max Discharge                                     | 0      | mOhms     |
| Cell Impedance Mim Discharge                                     | 0      | mOhms     |
| Battery Cell Voltage Maximum                                     | 3585   | mV        |
| Battery Cell Voltage Minimum                                     | 3578   | mV        |
| Battery Cell Voltage Average                                     | 3582   | mV        |
| HV Battery Voltage (Module Sum)                                  | 343.80 | Volts     |
| HV Sensor A Pack Voltage                                         | 343.90 | Volts     |
| HV Battery Voltage (cell sum)                                    | 343.90 | Volts     |
| HV Sensor B Bus\Link (Pre-Fuse) Voltage                          | 1.40   | Volts     |
| HV Sensor C OBCM (HVOBC Fuse) Voltage                            | 0.80   | Volts     |
| HV Sensor G Weld Contactor(Pack Negative) Voltage                | -1.8   | Volts     |
| Battery Temperature Maximum Module                               | 131    | °F        |
| Battery Temperature Average Module                               | 129    | °F        |
| Battery Temperature Minimum Module                               | 127    | °F        |
| HV Sensor D Heater (HVHTR Fuse) Voltage                          | 0.80   | Volts     |
| HV Cooling Battery coolant inlet temp                            | 133    | °F        |
| HV Cooling Battery coolant outlet temp                           | 135    | °F        |
| Isolation Vehicle Impedance                                      | 6.6590 | Mega Ohms |
| Isolation Battery Impedance                                      | 0.8480 | Mega Ohms |
| HV Cooling OBCM temp inlet Temp                                  | 102    | °F        |
| HV Bat SOH-C                                                     | 90.6   | %         |
| HV Bat SOH-R                                                     | 98.4   | %         |

|                                     |             |         |
|-------------------------------------|-------------|---------|
| BPCM Sec QA Error Counter           | 0           | cnts    |
| BPCM Sec MM Hw Reset Error Counter  | 0           | cnts    |
| BPCM L2 SM Hw Reset Error Counter   | 0           | No Unit |
| Accelerator position                | 7.5         | %       |
| Engine Speed                        | 0           | rpm     |
| Real time clock-OS Task Delay Timer | 0           |         |
| Real time clock                     | 429496.7295 | seconds |
| Original Odometer Value             | 5428        | miles   |
| Most Recent Odometer Value          | 5428        | miles   |

#### BPCM | P1AAE-00 | Stored | Hybrid/EV Battery Temperature Sensor 6 Out of Range Low-

| NAME                                                           | VALUE                  | UNITS |
|----------------------------------------------------------------|------------------------|-------|
| Key in Ignition                                                | Key_Def                |       |
| Key Position                                                   | Ign_ Run               |       |
| EPT -WakeUp                                                    | Sourced                |       |
| HCP Contactor Command                                          | Open                   |       |
| Qualified Contactor Command - QCC                              | Open                   |       |
| Verified Contactor Command - VCC                               | Open                   |       |
| Contactor Status                                               | Open                   |       |
| Plug in Status                                                 | Not plugged in         |       |
| ChargingLevel                                                  | Plug in, but no charge |       |
| Balance Mode                                                   | False                  |       |
| Battery in Periodic wake up (Just battery ) at time of Fault   | False                  |       |
| Battery in Periodic wake up (Wake up vehicle) at time of Fault | False                  |       |
| HVIL Status - Battery pack                                     | PASS                   |       |
| HVIL Status -Vehicle                                           | PASS                   |       |
| Pump - Wire Open\Short to Gnd                                  | PASS                   |       |
| Pump - Dry Run Detection                                       | PASS                   |       |
| Pump - Overcurrent                                             | PASS                   |       |
| Pump - Overtemperature                                         | PASS                   |       |
| Pump - Switch Power Shorted                                    | PASS                   |       |
| Fault trigger level 1                                          | False                  |       |
| Fault trigger level 2                                          | False                  |       |
| Fault trigger level 3                                          | False                  |       |
| Fault Path                                                     | 01                     |       |
| Key - DriveRdy (CAN)                                           | True                   |       |
| Battery Cell Highest Cell number                               | 03                     |       |
| Battery Cell Lowest Cell number                                | 41                     |       |
| Battery Temperature Highest Sensor number                      | 03                     |       |
| Battery Temperature Lowest Sensor number                       | 01                     |       |
| Battery Temperature Number of Failing Sensors                  | 00                     |       |
| HV Cooling Pump Relay Drive                                    | Not Sourced            |       |
| Pump - Battery Coolant Level Low                               | False                  |       |
| Isolation Vehicle Diagnostic Status                            | Run and Passed         |       |

|                                                        |                         |         |
|--------------------------------------------------------|-------------------------|---------|
| Isolation Battery Diagnostic Status                    | Run and Passed          |         |
| BPCM Sec Asic Reset Req                                | Not active              |         |
| BPCM Sec Asic Fault Input                              | Not active              |         |
| BPCM Sec CC Path Test Active                           | Not active              |         |
| BPCM L2 General Monitoring Flt Rsn                     | L2L1_CELL_MAX_V_CMP_FLT |         |
| BPCM L2 CC Path Test Req                               | Undetermined            |         |
| BPCM L2 Contactor Dslb Req                             | Undetermined            |         |
| BPCM L2 ASIC Diagnostic Flt Rsn                        | ADCTest                 |         |
| BPCM Sec HW Timer Status                               | Not active              |         |
| BPCM Sec Contactor State                               | Open                    |         |
| BPCM Main HW Timer Status                              | Not active              |         |
| BPCM Sec Asic Fault State                              | NOTASSERTED             |         |
| Real Time Clock Validity                               | True                    |         |
| DTC                                                    | 1A AE 00                |         |
| Test Failed                                            | False                   |         |
| Test Failed This Operation Cycle                       | False                   |         |
| Pending DTC                                            | False                   |         |
| Confirmed DTC                                          | True                    |         |
| Test Not Completed Since Last Clear                    | False                   |         |
| Test Failed Since Last Clear                           | True                    |         |
| Test Not Completed This Operation Cycle                | False                   |         |
| Warning Indicator Requested                            | False                   |         |
| DTC Extended Data Record Number - All                  | 01                      |         |
| Occurrence flag                                        | ERROR                   |         |
| DTC Extended Data Record Number - 2                    | 6A                      |         |
| Frequency Counter                                      | 1                       |         |
| Ignition Cycle Counter                                 | 2                       |         |
| FoM - for this DTC (lifetime fails)                    | 1                       | events  |
| FoM - for this DTC (lifetime fails counts on pass)     | 12.4000                 | seconds |
| FoM - for this DTC (lifetime longest fail on pass)     | 5.440                   | seconds |
| Battery Total Time Awake                               | 20917182                | seconds |
| Vehicle mileage at time of fault (ODO signal in \$3D2) | 5437.30                 | miles   |
| Battery Lifetime Miles                                 | CD55B6                  | miles   |
| Vehicle Speed                                          | 0.0                     | MPH     |
| System (12) Volts at time of fault                     | 12.474                  | Volts   |
| Battery Lifetime AmpHrs of Charge                      | 5218.9                  | AHr     |
| Battery Lifetime AmpHrs of DisCharge                   | 5203.7                  | AHr     |
| SOC at time of Fault                                   | 26.3                    | %       |
| Power Up SOC at time of Fault                          | 25.1                    | %       |
| HVIL PWM Duty Cycle - Vehicle                          | 50.2                    | %       |
| HVIL PWM Frequency - Vehicle                           | 87.9                    | Hz      |
| HVIL PWM peak voltage Sourced - Vehicle                | 11.385                  | Volts   |
| HVIL PWM peak voltage Sensed - Vehicle                 | 11.322                  | Volts   |
| HVIL Source Voltage- Battery                           | 1.385                   | Volts   |

|                                                                  |        |           |
|------------------------------------------------------------------|--------|-----------|
| HVIL Returned current - Battery                                  | 30.70  | mA        |
| HV Battery Current Sensor 1 Hall High                            | -0.85  | Amps      |
| HV Battery Current HVBatCmt                                      | 0.00   | Amps      |
| HV Battery Current Sensor 2 Hall Low                             | -0.05  | Amps      |
| HV Cooling Speed Pump 1 Target                                   | 0      | rpm       |
| HV Cooling Speed pump 1 Speed                                    | 0      | rpm       |
| Charge indicator Temp                                            | 84     | °F        |
| BPCM temperature max                                             | 131    | °F        |
| BPCM temperature min                                             | 127    | °F        |
| Isolation Circuitry Va                                           | 2.500  | Volts     |
| Isolation Circuitry Vb                                           | 2.501  | Volts     |
| Isolation Circuitry Vd                                           | 0.000  | Volts     |
| WC and Circuitry 2.5V Reference Voltage                          | 2.501  | Volts     |
| WC and Circuitry Vcc Voltage                                     | 5.009  | Volts     |
| WC and CircuitryISO 8V Reference Voltage                         | 7.973  | Volts     |
| WC and Circuitry Weld Contactor Sensor G (Pack Negative) Voltage | -1.8   | Volts     |
| Cycles left to self heal                                         | 40     | No Unit   |
| HV Battery Charge Power 10sec                                    | 3000   | watts     |
| HV Battery Charge Power 2sec                                     | 3000   | watts     |
| HV Battery Discharge Power 2sec                                  | 3000   | watts     |
| HV Battery Discharge Power 10sec                                 | 3000   | watts     |
| HV Battery Power                                                 | 007530 | watts     |
| Battery Lifetime Number Of Closes                                | 2173   |           |
| Battery Full AmpHr Capacity                                      | 47     | AmpHrs    |
| Cell Impedance Max Discharge                                     | 0      | mOhms     |
| Cell Impedance Mim Discharge                                     | 0      | mOhms     |
| Battery Cell Voltage Minimum                                     | 3578   | mV        |
| Battery Cell Voltage Maximum                                     | 3585   | mV        |
| Battery Cell Voltage Average                                     | 3582   | mV        |
| HV Battery Voltage (cell sum)                                    | 343.90 | Volts     |
| HV Battery Voltage (Module Sum)                                  | 343.80 | Volts     |
| HV Sensor B Bus\Link (Pre-Fuse) Voltage                          | 1.40   | Volts     |
| HV Sensor A Pack Voltage                                         | 343.90 | Volts     |
| HV Sensor C OBCM (HVOBC Fuse) Voltage                            | 0.80   | Volts     |
| HV Sensor G Weld Contactor(Pack Negative) Voltage                | -1.8   | Volts     |
| HV Sensor D Heater (HVHTR Fuse) Voltage                          | 0.80   | Volts     |
| Battery Temperature Minimum Module                               | 127    | °F        |
| Battery Temperature Maximum Module                               | 131    | °F        |
| Battery Temperature Average Module                               | 129    | °F        |
| HV Cooling Battery coolant inlet temp                            | 135    | °F        |
| HV Cooling OBCM temp inlet Temp                                  | 102    | °F        |
| HV Cooling Battery coolant outlet temp                           | 135    | °F        |
| Isolation Vehicle Impedance                                      | 6.6590 | Mega Ohms |
| Isolation Battery Impedance                                      | 0.8480 | Mega Ohms |

|                                     |             |         |
|-------------------------------------|-------------|---------|
| HV Bat SOH-R                        | 98.4        | %       |
| HV Bat SOH-C                        | 90.6        | %       |
| BPCM Sec QA Error Counter           | 0           | cnts    |
| BPCM Sec MM Hw Reset Error Counter  | 0           | cnts    |
| BPCM L2 SM Hw Reset Error Counter   | 0           | No Unit |
| Engine Speed                        | 0           | rpm     |
| Accelerator position                | 7.5         | %       |
| Real time clock                     | 429496.7295 | seconds |
| Real time clock-OS Task Delay Timer | 0           |         |
| Original Odometer Value             | 5428        | miles   |
| Most Recent Odometer Value          | 5428        | miles   |

#### BPCM | P1AA6-00 | Stored | Hybrid/EV Battery Temperature Sensor 4 Out of Range Low-

| NAME                                                           | VALUE                  | UNITS |
|----------------------------------------------------------------|------------------------|-------|
| Key in Ignition                                                | Key_Def                |       |
| Key Position                                                   | Ign_Run                |       |
| EPT -WakeUp                                                    | Sourced                |       |
| HCP Contactor Command                                          | Open                   |       |
| Qualified Contactor Command - QCC                              | Open                   |       |
| Verified Contactor Command - VCC                               | Open                   |       |
| Contactor Status                                               | Open                   |       |
| Plug in Status                                                 | Not plugged in         |       |
| ChargingLevel                                                  | Plug in, but no charge |       |
| Balance Mode                                                   | False                  |       |
| Battery in Periodic wake up (Just battery ) at time of Fault   | False                  |       |
| Battery in Periodic wake up (Wake up vehicle) at time of Fault | False                  |       |
| HVIL Status -Vehicle                                           | PASS                   |       |
| HVIL Status - Battery pack                                     | PASS                   |       |
| Pump - Wire Open\Short to Gnd                                  | PASS                   |       |
| Pump - Dry Run Detection                                       | PASS                   |       |
| Pump - Overcurrent                                             | PASS                   |       |
| Pump - Overtemperature                                         | PASS                   |       |
| Pump - Switch Power Shorted                                    | PASS                   |       |
| Fault trigger level 1                                          | False                  |       |
| Fault trigger level 2                                          | False                  |       |
| Fault trigger level 3                                          | False                  |       |
| Fault Path                                                     | 01                     |       |
| Key - DriveRdy (CAN)                                           | True                   |       |
| Battery Cell Highest Cell number                               | 08                     |       |
| Battery Cell Lowest Cell number                                | 41                     |       |
| Battery Temperature Lowest Sensor number                       | 01                     |       |
| Battery Temperature Highest Sensor number                      | 03                     |       |
| Battery Temperature Number of Failing Sensors                  | 00                     |       |
| HV Cooling Pump Relay Drive                                    | Not Sourced            |       |



|                                                        |                         |         |
|--------------------------------------------------------|-------------------------|---------|
| Pump - Battery Coolant Level Low                       | False                   |         |
| Isolation Vehicle Diagnostic Status                    | Run and Passed          |         |
| Isolation Battery Diagnostic Status                    | Run and Passed          |         |
| BPCM Sec Asic Reset Req                                | Not active              |         |
| BPCM Sec Asic Fault Input                              | Not active              |         |
| BPCM Sec CC Path Test Active                           | Not active              |         |
| BPCM L2 General Monitoring Flt Rsn                     | L2L1_CELL_MAX_V_CMP_FLT |         |
| BPCM L2 CC Path Test Req                               | Undetermined            |         |
| BPCM L2 Contactor Dslb Req                             | Undetermined            |         |
| BPCM L2 ASIC Diagnostic Flt Rsn                        | ADCTest                 |         |
| BPCM Sec HW Timer Status                               | Not active              |         |
| BPCM Sec Contactor State                               | Open                    |         |
| BPCM Main HW Timer Status                              | Not active              |         |
| BPCM Sec Asic Fault State                              | NOTASSERTED             |         |
| Real Time Clock Validity                               | True                    |         |
| DTC                                                    | 1A A6 00                |         |
| Test Failed                                            | False                   |         |
| Test Failed This Operation Cycle                       | False                   |         |
| Pending DTC                                            | False                   |         |
| Confirmed DTC                                          | True                    |         |
| Test Not Completed Since Last Clear                    | False                   |         |
| Test Failed Since Last Clear                           | True                    |         |
| Test Not Completed This Operation Cycle                | False                   |         |
| Warning Indicator Requested                            | False                   |         |
| DTC Extended Data Record Number - All                  | 01                      |         |
| Occurrence flag                                        | ERROR                   |         |
| DTC Extended Data Record Number - 2                    | 66                      |         |
| Ignition Cycle Counter                                 | 2                       |         |
| Frequency Counter                                      | 1                       |         |
| FoM - for this DTC (lifetime fails)                    | 1                       | events  |
| FoM - for this DTC (lifetime fails counts on pass)     | 12.0800                 | seconds |
| FoM - for this DTC (lifetime longest fail on pass)     | 2.240                   | seconds |
| Battery Total Time Awake                               | 20917168                | seconds |
| Vehicle mileage at time of fault (ODO signal in \$3D2) | 5437.30                 | miles   |
| Battery Lifetime Miles                                 | CD55B6                  | miles   |
| Vehicle Speed                                          | 0.0                     | MPH     |
| System (12) Volts at time of fault                     | 12.534                  | Volts   |
| Battery Lifetime AmpHrs of Charge                      | 5218.9                  | AHr     |
| Battery Lifetime AmpHrs of DisCharge                   | 5203.7                  | AHr     |
| SOC at time of Fault                                   | 25.9                    | %       |
| Power Up SOC at time of Fault                          | 25.1                    | %       |
| HVIL PWM Duty Cycle - Vehicle                          | 50.2                    | %       |
| HVIL PWM Frequency - Vehicle                           | 87.9                    | Hz      |
| HVIL PWM peak voltage Sourced - Vehicle                | 11.292                  | Volts   |

|                                                                  |        |         |
|------------------------------------------------------------------|--------|---------|
| HVIL PWM peak voltage Sensed - Vehicle                           | 11.255 | Volts   |
| HVIL Source Voltage- Battery                                     | 1.385  | Volts   |
| HVIL Returned current - Battery                                  | 30.70  | mA      |
| HV Battery Current Sensor 2 Hall Low                             | 0.00   | Amps    |
| HV Battery Current Sensor 1 Hall High                            | -1.25  | Amps    |
| HV Battery Current HVBatCrnt                                     | 0.00   | Amps    |
| HV Cooling Speed pump 1 Speed                                    | 0      | rpm     |
| HV Cooling Speed Pump 1 Target                                   | 0      | rpm     |
| Charge indicator Temp                                            | 84     | °F      |
| BPCM temperature max                                             | 131    | °F      |
| BPCM temperature min                                             | 127    | °F      |
| Isolation Circuitry Va                                           | 2.500  | Volts   |
| Isolation Circuitry Vb                                           | 2.501  | Volts   |
| Isolation Circuitry Vd                                           | 0.000  | Volts   |
| WC and Circuitry 2.5V Reference Voltage                          | 2.501  | Volts   |
| WC and Circuitry Vcc Voltage                                     | 5.009  | Volts   |
| WC and Circuitry Weld Contactor Sensor G (Pack Negative) Voltage | -1.8   | Volts   |
| WC and CircuitryISO 8V Reference Voltage                         | 7.973  | Volts   |
| Cycles left to self heal                                         | 40     | No Unit |
| HV Battery Charge Power 10sec                                    | 3000   | watts   |
| HV Battery Charge Power 2sec                                     | 3000   | watts   |
| HV Battery Discharge Power 2sec                                  | 3000   | watts   |
| HV Battery Discharge Power 10sec                                 | 3000   | watts   |
| HV Battery Power                                                 | 007530 | watts   |
| Battery Lifetime Number Of Closes                                | 2173   |         |
| Battery Full AmpHr Capacity                                      | 47     | AmpHrs  |
| Battery Cell Voltage Maximum                                     | 3585   | mV      |
| Cell Impedance Max Discharge                                     | 0      | mOhms   |
| Cell Impedance Mim Discharge                                     | 0      | mOhms   |
| Battery Cell Voltage Average                                     | 3582   | mV      |
| HV Battery Voltage (cell sum)                                    | 343.90 | Volts   |
| Battery Cell Voltage Minimum                                     | 3578   | mV      |
| HV Battery Voltage (Module Sum)                                  | 343.80 | Volts   |
| HV Sensor B Bus\Link (Pre-Fuse) Voltage                          | 1.40   | Volts   |
| HV Sensor A Pack Voltage                                         | 343.90 | Volts   |
| HV Sensor C OBCM (HVOBC Fuse) Voltage                            | 0.80   | Volts   |
| HV Sensor D Heater (HVHTR Fuse) Voltage                          | 0.80   | Volts   |
| Battery Temperature Maximum Module                               | 131    | °F      |
| HV Sensor G Weld Contactor(Pack Negative) Voltage                | -1.8   | Volts   |
| Battery Temperature Minimum Module                               | 127    | °F      |
| Battery Temperature Average Module                               | 129    | °F      |
| HV Cooling Battery coolant inlet temp                            | 135    | °F      |
| HV Cooling OBCM temp inlet Temp                                  | 100    | °F      |
| HV Cooling Battery coolant outlet temp                           | 136    | °F      |

|                                     |             |           |
|-------------------------------------|-------------|-----------|
| Isolation Vehicle Impedance         | 6.6590      | Mega Ohms |
| Isolation Battery Impedance         | 0.8480      | Mega Ohms |
| HV Bat SOH-R                        | 98.4        | %         |
| HV Bat SOH-C                        | 90.6        | %         |
| BPCM Sec QA Error Counter           | 0           | cnts      |
| BPCM Sec MM Hw Reset Error Counter  | 0           | cnts      |
| BPCM L2 SM Hw Reset Error Counter   | 0           | No Unit   |
| Accelerator position                | 7.8         | %         |
| Engine Speed                        | 0           | rpm       |
| Real time clock-OS Task Delay Timer | 0           |           |
| Real time clock                     | 429496.7295 | seconds   |
| Most Recent Odometer Value          | 5428        | miles     |
| Original Odometer Value             | 5428        | miles     |

#### BPCM | P1AA2-00 | Stored | Hybrid/EV Battery Temperature Sensor 3 Out of Range Low-

| NAME                                                           | VALUE                  | UNITS |
|----------------------------------------------------------------|------------------------|-------|
| Key in Ignition                                                | Key_Def                |       |
| Key Position                                                   | Ign_ Run               |       |
| EPT -WakeUp                                                    | Sourced                |       |
| HCP Contactor Command                                          | Open                   |       |
| Qualified Contactor Command - QCC                              | Open                   |       |
| Verified Contactor Command - VCC                               | Open                   |       |
| Contactor Status                                               | Open                   |       |
| Plug in Status                                                 | Not plugged in         |       |
| ChargingLevel                                                  | Plug in, but no charge |       |
| Balance Mode                                                   | False                  |       |
| Battery in Periodic wake up (Just battery ) at time of Fault   | False                  |       |
| Battery in Periodic wake up (Wake up vehicle) at time of Fault | False                  |       |
| HVIL Status - Battery pack                                     | PASS                   |       |
| HVIL Status -Vehicle                                           | PASS                   |       |
| Pump - Wire Open\Short to Gnd                                  | PASS                   |       |
| Pump - Dry Run Detection                                       | PASS                   |       |
| Pump - Overcurrent                                             | PASS                   |       |
| Pump - Overtemperature                                         | PASS                   |       |
| Pump - Switch Power Shorted                                    | PASS                   |       |
| Fault trigger level 1                                          | False                  |       |
| Fault trigger level 2                                          | False                  |       |
| Fault trigger level 3                                          | False                  |       |
| Fault Path                                                     | 01                     |       |
| Key - DriveRdy (CAN)                                           | True                   |       |
| Battery Cell Highest Cell number                               | 03                     |       |
| Battery Cell Lowest Cell number                                | 41                     |       |
| Battery Temperature Highest Sensor number                      | 03                     |       |
| Battery Temperature Lowest Sensor number                       | 01                     |       |

|                                                        |                         |         |
|--------------------------------------------------------|-------------------------|---------|
| Battery Temperature Number of Failing Sensors          | 00                      |         |
| HV Cooling Pump Relay Drive                            | Not Sourced             |         |
| Pump - Battery Coolant Level Low                       | False                   |         |
| Isolation Vehicle Diagnostic Status                    | Run and Passed          |         |
| Isolation Battery Diagnostic Status                    | Run and Passed          |         |
| BPCM Sec Asic Reset Req                                | Not active              |         |
| BPCM Sec CC Path Test Active                           | Not active              |         |
| BPCM Sec Asic Fault Input                              | Not active              |         |
| BPCM L2 General Monitoring Flt Rsn                     | L2L1_CELL_MAX_V_CMP_FLT |         |
| BPCM L2 CC Path Test Req                               | Undetermined            |         |
| BPCM L2 Contactor Dslb Req                             | Undetermined            |         |
| BPCM L2 ASIC Diagnostic Flt Rsn                        | ADCTest                 |         |
| BPCM Sec HW Timer Status                               | Not active              |         |
| BPCM Sec Contactor State                               | Open                    |         |
| BPCM Main HW Timer Status                              | Not active              |         |
| BPCM Sec Asic Fault State                              | NOTASSERTED             |         |
| Real Time Clock Validity                               | True                    |         |
| DTC                                                    | 1A A2 00                |         |
| Test Failed                                            | False                   |         |
| Test Failed This Operation Cycle                       | False                   |         |
| Pending DTC                                            | False                   |         |
| Confirmed DTC                                          | True                    |         |
| Test Not Completed Since Last Clear                    | False                   |         |
| Test Failed Since Last Clear                           | True                    |         |
| Test Not Completed This Operation Cycle                | False                   |         |
| Warning Indicator Requested                            | False                   |         |
| DTC Extended Data Record Number - All                  | 01                      |         |
| Occurrence flag                                        | ERROR                   |         |
| DTC Extended Data Record Number - 2                    | 64                      |         |
| Frequency Counter                                      | 1                       |         |
| Ignition Cycle Counter                                 | 2                       |         |
| FoM - for this DTC (lifetime fails counts on pass)     | 9.1200                  | seconds |
| FoM - for this DTC (lifetime fails)                    | 2                       | events  |
| FoM - for this DTC (lifetime longest fail on pass)     | 4.080                   | seconds |
| Vehicle mileage at time of fault (ODO signal in \$3D2) | 5437.30                 | miles   |
| Battery Total Time Awake                               | 20917040                | seconds |
| Battery Lifetime Miles                                 | CD55B6                  | miles   |
| System (12) Volts at time of fault                     | 12.653                  | Volts   |
| Vehicle Speed                                          | 0.0                     | MPH     |
| Battery Lifetime AmpHrs of Charge                      | 5218.9                  | AHr     |
| SOC at time of Fault                                   | 25.9                    | %       |
| Battery Lifetime AmpHrs of DisCharge                   | 5203.7                  | AHr     |
| Power Up SOC at time of Fault                          | 25.1                    | %       |
| HVIL PWM Duty Cycle - Vehicle                          | 50.2                    | %       |

|                                                                  |        |         |
|------------------------------------------------------------------|--------|---------|
| HVIL PWM Frequency - Vehicle                                     | 87.9   | Hz      |
| HVIL PWM peak voltage Sourced - Vehicle                          | 11.441 | Volts   |
| HVIL PWM peak voltage Sensed - Vehicle                           | 11.400 | Volts   |
| HVIL Source Voltage- Battery                                     | 1.385  | Volts   |
| HV Battery Current Sensor 1 Hall High                            | -2.30  | Amps    |
| HVIL Returned current - Battery                                  | 30.70  | mA      |
| HV Battery Current Sensor 2 Hall Low                             | 0.00   | Amps    |
| HV Battery Current HVBatCrnt                                     | 0.00   | Amps    |
| HV Cooling Speed pump 1 Speed                                    | 0      | rpm     |
| HV Cooling Speed Pump 1 Target                                   | 0      | rpm     |
| Charge indicator Temp                                            | 84     | °F      |
| BPCM temperature max                                             | 131    | °F      |
| BPCM temperature min                                             | 127    | °F      |
| Isolation Circuitry Va                                           | 2.500  | Volts   |
| Isolation Circuitry Vb                                           | 2.501  | Volts   |
| Isolation Circuitry Vd                                           | 0.000  | Volts   |
| WC and Circuitry Vcc Voltage                                     | 5.009  | Volts   |
| WC and Circuitry 2.5V Reference Voltage                          | 2.501  | Volts   |
| WC and CircuitryISO 8V Reference Voltage                         | 7.973  | Volts   |
| WC and Circuitry Weld Contactor Sensor G (Pack Negative) Voltage | -1.6   | Volts   |
| HV Battery Charge Power 2sec                                     | 3000   | watts   |
| Cycles left to self heal                                         | 40     | No Unit |
| HV Battery Charge Power 10sec                                    | 3000   | watts   |
| HV Battery Discharge Power 2sec                                  | 3000   | watts   |
| HV Battery Discharge Power 10sec                                 | 3000   | watts   |
| HV Battery Power                                                 | 007530 | watts   |
| Battery Lifetime Number Of Closes                                | 2173   |         |
| Battery Full AmpHr Capacity                                      | 47     | AmpHrs  |
| Cell Impedance Max Discharge                                     | 0      | mOhms   |
| Battery Cell Voltage Maximum                                     | 3586   | mV      |
| Cell Impedance Mim Discharge                                     | 0      | mOhms   |
| Battery Cell Voltage Average                                     | 3582   | mV      |
| Battery Cell Voltage Minimum                                     | 3578   | mV      |
| HV Battery Voltage (cell sum)                                    | 343.90 | Volts   |
| HV Battery Voltage (Module Sum)                                  | 343.80 | Volts   |
| HV Sensor A Pack Voltage                                         | 344.10 | Volts   |
| HV Sensor B Bus\Link (Pre-Fuse) Voltage                          | 1.40   | Volts   |
| HV Sensor D Heater (HVHTR Fuse) Voltage                          | 0.80   | Volts   |
| HV Sensor C OBCM (HVOBC Fuse) Voltage                            | 0.80   | Volts   |
| Battery Temperature Maximum Module                               | 131    | °F      |
| HV Sensor G Weld Contactor(Pack Negative) Voltage                | -1.6   | Volts   |
| Battery Temperature Minimum Module                               | 127    | °F      |
| Battery Temperature Average Module                               | 129    | °F      |
| HV Cooling Battery coolant inlet temp                            | 140    | °F      |

|                                        |             |           |
|----------------------------------------|-------------|-----------|
| HV Cooling Battery coolant outlet temp | 140         | °F        |
| HV Cooling OBCM temp inlet Temp        | 99          | °F        |
| Isolation Vehicle Impedance            | 6.6590      | Mega Ohms |
| Isolation Battery Impedance            | 0.8480      | Mega Ohms |
| HV Bat SOH-R                           | 98.4        | %         |
| BPCM Sec MM Hw Reset Error Counter     | 0           | cnts      |
| HV Bat SOH-C                           | 90.6        | %         |
| BPCM Sec QA Error Counter              | 0           | cnts      |
| BPCM L2 SM Hw Reset Error Counter      | 0           | No Unit   |
| Engine Speed                           | 0           | rpm       |
| Accelerator position                   | 7.5         | %         |
| Real time clock                        | 429496.7295 | seconds   |
| Real time clock-OS Task Delay Timer    | 0           |           |
| Original Odometer Value                | 5428        | miles     |
| Most Recent Odometer Value             | 5428        | miles     |

#### BPCM | P1A9A-00 | Stored | Hybrid/EV Battery Temperature Sensor 1 Out of Range Low-

| NAME                                                           | VALUE                  | UNITS |
|----------------------------------------------------------------|------------------------|-------|
| Key in Ignition                                                | Key_Def                |       |
| Key Position                                                   | Ign_ Run               |       |
| EPT -WakeUp                                                    | Sourced                |       |
| HCP Contactor Command                                          | Open                   |       |
| Qualified Contactor Command - QCC                              | Open                   |       |
| Verified Contactor Command - VCC                               | Open                   |       |
| Contactor Status                                               | Open                   |       |
| Plug in Status                                                 | Not plugged in         |       |
| ChargingLevel                                                  | Plug in, but no charge |       |
| Balance Mode                                                   | False                  |       |
| Battery in Periodic wake up (Just battery ) at time of Fault   | False                  |       |
| Battery in Periodic wake up (Wake up vehicle) at time of Fault | False                  |       |
| HVIL Status -Vehicle                                           | PASS                   |       |
| HVIL Status - Battery pack                                     | PASS                   |       |
| Pump - Wire Open\Short to Gnd                                  | PASS                   |       |
| Pump - Dry Run Detection                                       | PASS                   |       |
| Pump - Overcurrent                                             | PASS                   |       |
| Pump - Overtemperature                                         | PASS                   |       |
| Pump - Switch Power Shorted                                    | PASS                   |       |
| Fault trigger level 1                                          | False                  |       |
| Fault trigger level 2                                          | False                  |       |
| Fault trigger level 3                                          | False                  |       |
| Fault Path                                                     | 01                     |       |
| Key - DriveRdy (CAN)                                           | True                   |       |
| Battery Cell Highest Cell number                               | 02                     |       |
| Battery Cell Lowest Cell number                                | 41                     |       |

|                                                        |                         |         |
|--------------------------------------------------------|-------------------------|---------|
| Battery Temperature Highest Sensor number              | 03                      |         |
| Battery Temperature Number of Failing Sensors          | 00                      |         |
| Battery Temperature Lowest Sensor number               | 01                      |         |
| HV Cooling Pump Relay Drive                            | Not Sourced             |         |
| Pump - Battery Coolant Level Low                       | False                   |         |
| Isolation Vehicle Diagnostic Status                    | Run and Passed          |         |
| Isolation Battery Diagnostic Status                    | Run and Passed          |         |
| BPCM Sec Asic Reset Req                                | Not active              |         |
| BPCM Sec Asic Fault Input                              | Not active              |         |
| BPCM Sec CC Path Test Active                           | Not active              |         |
| BPCM L2 General Monitoring Flt Rsn                     | L2L1_CELL_MAX_V_CMP_FLT |         |
| BPCM L2 CC Path Test Req                               | Undetermined            |         |
| BPCM L2 Contactor Dslb Req                             | Undetermined            |         |
| BPCM L2 ASIC Diagnostic Flt Rsn                        | ADCTest                 |         |
| BPCM Sec HW Timer Status                               | Not active              |         |
| BPCM Sec Contactor State                               | Open                    |         |
| BPCM Main HW Timer Status                              | Not active              |         |
| BPCM Sec Asic Fault State                              | NOTASSERTED             |         |
| Real Time Clock Validity                               | True                    |         |
| DTC                                                    | 1A 9A 00                |         |
| Test Failed                                            | False                   |         |
| Test Failed This Operation Cycle                       | False                   |         |
| Pending DTC                                            | False                   |         |
| Confirmed DTC                                          | True                    |         |
| Test Not Completed Since Last Clear                    | False                   |         |
| Test Failed Since Last Clear                           | True                    |         |
| Test Not Completed This Operation Cycle                | False                   |         |
| Warning Indicator Requested                            | False                   |         |
| DTC Extended Data Record Number - All                  | 01                      |         |
| Occurrence flag                                        | ERROR                   |         |
| DTC Extended Data Record Number - 2                    | 60                      |         |
| Frequency Counter                                      | 1                       |         |
| Ignition Cycle Counter                                 | 2                       |         |
| FoM - for this DTC (lifetime fails)                    | 2                       | events  |
| FoM - for this DTC (lifetime fails counts on pass)     | 5.1200                  | seconds |
| FoM - for this DTC (lifetime longest fail on pass)     | 0.880                   | seconds |
| Battery Total Time Awake                               | 20916974                | seconds |
| Vehicle mileage at time of fault (ODO signal in \$3D2) | 5437.30                 | miles   |
| Battery Lifetime Miles                                 | CD55B6                  | miles   |
| Vehicle Speed                                          | 0.0                     | MPH     |
| System (12) Volts at time of fault                     | 12.586                  | Volts   |
| Battery Lifetime AmpHrs of Charge                      | 5218.9                  | AHr     |
| Battery Lifetime AmpHrs of DisCharge                   | 5203.7                  | AHr     |
| SOC at time of Fault                                   | 25.9                    | %       |

|                                                                  |        |         |
|------------------------------------------------------------------|--------|---------|
| Power Up SOC at time of Fault                                    | 25.1   | %       |
| HVIL PWM Duty Cycle - Vehicle                                    | 50.2   | %       |
| HVIL PWM Frequency - Vehicle                                     | 87.9   | Hz      |
| HVIL PWM peak voltage Sourced - Vehicle                          | 11.292 | Volts   |
| HVIL PWM peak voltage Sensed - Vehicle                           | 11.221 | Volts   |
| HVIL Source Voltage- Battery                                     | 1.385  | Volts   |
| HVIL Returned current - Battery                                  | 30.70  | mA      |
| HV Battery Current Sensor 1 Hall High                            | -1.05  | Amps    |
| HV Battery Current Sensor 2 Hall Low                             | 0.00   | Amps    |
| HV Battery Current HVBatCrnt                                     | 0.00   | Amps    |
| HV Cooling Speed Pump 1 Target                                   | 5600   | rpm     |
| HV Cooling Speed pump 1 Speed                                    | 5700   | rpm     |
| Charge indicator Temp                                            | 82     | °F      |
| BPCM temperature max                                             | 131    | °F      |
| BPCM temperature min                                             | 126    | °F      |
| Isolation Circuitry Va                                           | 2.500  | Volts   |
| Isolation Circuitry Vb                                           | 2.501  | Volts   |
| Isolation Circuitry Vd                                           | 0.000  | Volts   |
| WC and Circuitry 2.5V Reference Voltage                          | 2.501  | Volts   |
| WC and CircuitryISO 8V Reference Voltage                         | 7.973  | Volts   |
| WC and Circuitry Vcc Voltage                                     | 5.009  | Volts   |
| WC and Circuitry Weld Contactor Sensor G (Pack Negative) Voltage | -1.0   | Volts   |
| Cycles left to self heal                                         | 40     | No Unit |
| HV Battery Charge Power 2sec                                     | 3000   | watts   |
| HV Battery Discharge Power 2sec                                  | 3000   | watts   |
| HV Battery Charge Power 10sec                                    | 3000   | watts   |
| HV Battery Discharge Power 10sec                                 | 3000   | watts   |
| HV Battery Power                                                 | 007530 | watts   |
| Battery Lifetime Number Of Closes                                | 2173   |         |
| Battery Full AmpHr Capacity                                      | 47     | AmpHrs  |
| Cell Impedance Max Discharge                                     | 0      | mOhms   |
| Cell Impedance Mim Discharge                                     | 0      | mOhms   |
| Battery Cell Voltage Maximum                                     | 3586   | mV      |
| Battery Cell Voltage Minimum                                     | 3579   | mV      |
| Battery Cell Voltage Average                                     | 3583   | mV      |
| HV Battery Voltage (cell sum)                                    | 344.00 | Volts   |
| HV Battery Voltage (Module Sum)                                  | 343.90 | Volts   |
| HV Sensor A Pack Voltage                                         | 344.10 | Volts   |
| HV Sensor B Bus\Link (Pre-Fuse) Voltage                          | 1.40   | Volts   |
| HV Sensor C OBCM (HVOBC Fuse) Voltage                            | 0.80   | Volts   |
| HV Sensor D Heater (HVHTR Fuse) Voltage                          | 0.80   | Volts   |
| Battery Temperature Maximum Module                               | 131    | °F      |
| Battery Temperature Average Module                               | 129    | °F      |
| Battery Temperature Minimum Module                               | 126    | °F      |



|                                                   |             |           |
|---------------------------------------------------|-------------|-----------|
| HV Sensor G Weld Contactor(Pack Negative) Voltage | -1.0        | Volts     |
| HV Cooling Battery coolant inlet temp             | 144         | °F        |
| HV Cooling Battery coolant outlet temp            | 144         | °F        |
| HV Cooling OBCM temp inlet Temp                   | 97          | °F        |
| Isolation Vehicle Impedance                       | 6.6590      | Mega Ohms |
| Isolation Battery Impedance                       | 0.8480      | Mega Ohms |
| HV Bat SOH-C                                      | 90.6        | %         |
| HV Bat SOH-R                                      | 98.4        | %         |
| BPCM Sec QA Error Counter                         | 0           | cnts      |
| BPCM Sec MM Hw Reset Error Counter                | 0           | cnts      |
| BPCM L2 SM Hw Reset Error Counter                 | 0           | No Unit   |
| Engine Speed                                      | 0           | rpm       |
| Accelerator position                              | 7.8         | %         |
| Real time clock                                   | 429496.7295 | seconds   |
| Real time clock-OS Task Delay Timer               | 0           |           |
| Original Odometer Value                           | 5428        | miles     |
| Most Recent Odometer Value                        | 5428        | miles     |

#### BPCM | P1A9E-00 | Stored | Hybrid/EV Battery Temperature Sensor 2 Out of Range Low-

| NAME                                                           | VALUE                  | UNITS |
|----------------------------------------------------------------|------------------------|-------|
| Key in Ignition                                                | Key_Def                |       |
| Key Position                                                   | Ign_ Run               |       |
| EPT -WakeUp                                                    | Sourced                |       |
| HCP Contactor Command                                          | Closed                 |       |
| Qualified Contactor Command - QCC                              | Closed                 |       |
| Verified Contactor Command - VCC                               | Closed Restricted      |       |
| Contactor Status                                               | Closed                 |       |
| Plug in Status                                                 | Not plugged in         |       |
| ChargingLevel                                                  | Plug in, but no charge |       |
| Balance Mode                                                   | False                  |       |
| Battery in Periodic wake up (Just battery ) at time of Fault   | False                  |       |
| Battery in Periodic wake up (Wake up vehicle) at time of Fault | False                  |       |
| HVIL Status -Vehicle                                           | PASS                   |       |
| HVIL Status - Battery pack                                     | PASS                   |       |
| Pump - Wire Open\Short to Gnd                                  | PASS                   |       |
| Pump - Dry Run Detection                                       | PASS                   |       |
| Pump - Overcurrent                                             | PASS                   |       |
| Pump - Overtemperature                                         | PASS                   |       |
| Pump - Switch Power Shorted                                    | PASS                   |       |
| Fault trigger level 1                                          | False                  |       |
| Fault trigger level 3                                          | False                  |       |
| Fault trigger level 2                                          | False                  |       |
| Fault Path                                                     | 01                     |       |
| Key - DriveRdy (CAN)                                           | True                   |       |

|                                                        |                         |         |
|--------------------------------------------------------|-------------------------|---------|
| Battery Cell Highest Cell number                       | 12                      |         |
| Battery Cell Lowest Cell number                        | 47                      |         |
| Battery Temperature Highest Sensor number              | 03                      |         |
| Battery Temperature Lowest Sensor number               | 01                      |         |
| Battery Temperature Number of Failing Sensors          | 00                      |         |
| HV Cooling Pump Relay Drive                            | Not Sourced             |         |
| Pump - Battery Coolant Level Low                       | False                   |         |
| Isolation Vehicle Diagnostic Status                    | Run and Passed          |         |
| Isolation Battery Diagnostic Status                    | Run and Passed          |         |
| BPCM Sec Asic Reset Req                                | Not active              |         |
| BPCM Sec Asic Fault Input                              | Not active              |         |
| BPCM Sec CC Path Test Active                           | Not active              |         |
| BPCM L2 General Monitoring Flt Rsn                     | L2L1_CELL_MAX_V_CMP_FLT |         |
| BPCM L2 CC Path Test Req                               | Undetermined            |         |
| BPCM L2 ASIC Diagnostic Flt Rsn                        | ADCTest                 |         |
| BPCM L2 Contactor Dslb Req                             | Undetermined            |         |
| BPCM Sec HW Timer Status                               | Not active              |         |
| BPCM Sec Contactor State                               | Close                   |         |
| BPCM Main HW Timer Status                              | Not active              |         |
| BPCM Sec Asic Fault State                              | NOTASSERTED             |         |
| Real Time Clock Validity                               | True                    |         |
| DTC                                                    | 1A 9E 00                |         |
| Test Failed                                            | False                   |         |
| Test Failed This Operation Cycle                       | False                   |         |
| Pending DTC                                            | False                   |         |
| Confirmed DTC                                          | True                    |         |
| Test Not Completed Since Last Clear                    | False                   |         |
| Test Failed Since Last Clear                           | True                    |         |
| Test Not Completed This Operation Cycle                | False                   |         |
| Warning Indicator Requested                            | False                   |         |
| DTC Extended Data Record Number - All                  | 01                      |         |
| Occurrence flag                                        | ERROR                   |         |
| DTC Extended Data Record Number - 2                    | 62                      |         |
| Frequency Counter                                      | 1                       |         |
| Ignition Cycle Counter                                 | 2                       |         |
| FoM - for this DTC (lifetime fails)                    | 2                       | events  |
| FoM - for this DTC (lifetime fails counts on pass)     | 7.6000                  | seconds |
| FoM - for this DTC (lifetime longest fail on pass)     | 4.960                   | seconds |
| Battery Total Time Awake                               | 20916938                | seconds |
| Vehicle mileage at time of fault (ODO signal in \$3D2) | 5437.14                 | miles   |
| Battery Lifetime Miles                                 | CD55B5                  | miles   |
| Vehicle Speed                                          | 60.0                    | MPH     |
| Battery Lifetime AmpHrs of DisCharge                   | 5203.7                  | AHr     |
| Battery Lifetime AmpHrs of Charge                      | 5218.9                  | AHr     |

|                                                                  |        |         |
|------------------------------------------------------------------|--------|---------|
| SOC at time of Fault                                             | 25.9   | %       |
| System (12) Volts at time of fault                               | 14.135 | Volts   |
| Power Up SOC at time of Fault                                    | 25.1   | %       |
| HVIL PWM Frequency - Vehicle                                     | 87.9   | Hz      |
| HVIL PWM Duty Cycle - Vehicle                                    | 50.2   | %       |
| HVIL PWM peak voltage Sourced - Vehicle                          | 13.045 | Volts   |
| HVIL Source Voltage- Battery                                     | 1.385  | Volts   |
| HVIL PWM peak voltage Sensed - Vehicle                           | 12.990 | Volts   |
| HV Battery Current Sensor 1 Hall High                            | -11.70 | Amps    |
| HVIL Returned current - Battery                                  | 30.70  | mA      |
| HV Battery Current Sensor 2 Hall Low                             | -11.25 | Amps    |
| HV Cooling Speed Pump 1 Target                                   | 600    | rpm     |
| HV Battery Current HVBatCrnt                                     | -11.05 | Amps    |
| HV Cooling Speed pump 1 Speed                                    | 600    | rpm     |
| Charge indicator Temp                                            | 82     | °F      |
| BPCM temperature max                                             | 131    | °F      |
| BPCM temperature min                                             | 126    | °F      |
| Isolation Circuitry Va                                           | 2.500  | Volts   |
| Isolation Circuitry Vb                                           | 2.448  | Volts   |
| Isolation Circuitry Vd                                           | 0.000  | Volts   |
| WC and Circuitry 2.5V Reference Voltage                          | 2.501  | Volts   |
| WC and CircuitryISO 8V Reference Voltage                         | 7.973  | Volts   |
| WC and Circuitry Vcc Voltage                                     | 5.017  | Volts   |
| WC and Circuitry Weld Contactor Sensor G (Pack Negative) Voltage | 0.6    | Volts   |
| Cycles left to self heal                                         | 40     | No Unit |
| HV Battery Charge Power 2sec                                     | 3000   | watts   |
| HV Battery Discharge Power 2sec                                  | 3000   | watts   |
| HV Battery Charge Power 10sec                                    | 300    | watts   |
| HV Battery Discharge Power 10sec                                 | 300    | watts   |
| HV Battery Power                                                 | 0073B2 | watts   |
| Battery Lifetime Number Of Closes                                | 2173   |         |
| Battery Full AmpHr Capacity                                      | 47     | AmpHrs  |
| Cell Impedance Max Discharge                                     | 0      | mOhms   |
| Cell Impedance Mim Discharge                                     | 0      | mOhms   |
| Battery Cell Voltage Maximum                                     | 3593   | mV      |
| Battery Cell Voltage Minimum                                     | 3582   | mV      |
| Battery Cell Voltage Average                                     | 3588   | mV      |
| HV Battery Voltage (cell sum)                                    | 344.40 | Volts   |
| HV Battery Voltage (Module Sum)                                  | 344.10 | Volts   |
| HV Sensor B Bus\Link (Pre-Fuse) Voltage                          | 344.50 | Volts   |
| HV Sensor A Pack Voltage                                         | 344.50 | Volts   |
| HV Sensor D Heater (HVHTR Fuse) Voltage                          | 344.50 | Volts   |
| HV Sensor C OBCM (HVOBC Fuse) Voltage                            | 344.50 | Volts   |
| HV Sensor G Weld Contactor(Pack Negative) Voltage                | 0.6    | Volts   |

|                                        |             |           |
|----------------------------------------|-------------|-----------|
| Battery Temperature Minimum Module     | 126         | °F        |
| Battery Temperature Maximum Module     | 131         | °F        |
| Battery Temperature Average Module     | 129         | °F        |
| HV Cooling Battery coolant inlet temp  | 145         | °F        |
| HV Cooling Battery coolant outlet temp | 145         | °F        |
| Isolation Vehicle Impedance            | 6.7005      | Mega Ohms |
| Isolation Battery Impedance            | 0.8480      | Mega Ohms |
| HV Cooling OBCM temp inlet Temp        | 95          | °F        |
| HV Bat SOH-R                           | 98.4        | %         |
| HV Bat SOH-C                           | 90.6        | %         |
| BPCM Sec QA Error Counter              | 2           | cnts      |
| BPCM Sec MM Hw Reset Error Counter     | 0           | cnts      |
| BPCM L2 SM Hw Reset Error Counter      | 0           | No Unit   |
| Accelerator position                   | 29.8        | %         |
| Engine Speed                           | 6480        | rpm       |
| Real time clock                        | 429496.7295 | seconds   |
| Real time clock-OS Task Delay Timer    | 0           |           |
| Original Odometer Value                | 5428        | miles     |
| Most Recent Odometer Value             | 5428        | miles     |

#### HCP | P062C-00 | Stored | Internal Control Module Vehicle Speed Performance-

| NAME                                    | VALUE | UNITS |
|-----------------------------------------|-------|-------|
| Test Failed                             | —     |       |
| DTC                                     | —     |       |
| Test Failed This Operation Cycle        | —     |       |
| Pending DTC                             | —     |       |
| Confirmed DTC                           | —     |       |
| Test Not Completed Since Last Clear     | —     |       |
| Test Not Completed This Operation Cycle | —     |       |
| Test Failed Since Last Clear            | —     |       |
| Warning Indicator Requested             | —     |       |
| Occurrence flag                         | —     |       |
| Brake Switch Status                     | —     |       |
| Ignition State                          | —     |       |
| Propulsion System Active                | —     |       |
| PRND Position Display                   | —     |       |
| HCP ePT Wake-Up Output                  | —     |       |
| CBC Wake-Up Input                       | —     |       |
| HCP System Shutdown Command             | —     |       |
| HCP SW Version                          | —     |       |
| SW Build Release Version                | —     |       |
| EPT LOC Diag Enable                     | —     |       |
| HV Contactor Status                     | —     |       |
| Impact Event                            | —     |       |

|                                      |   |        |
|--------------------------------------|---|--------|
| APM Status                           | — |        |
| OBCM Operating Mode                  | — |        |
| J1772 Prox Detected State            | — |        |
| Hybrid System State                  | — |        |
| PHEV Charging Status                 | — |        |
| Original Odometer Value              | — | miles  |
| Most Recent Odometer Value           | — | miles  |
| Ignition Cycle Counter               | — |        |
| Frequency Counter                    | — |        |
| Real time clock                      | — | sec    |
| RAM Stamps                           | — | Min    |
| RAM stamps keyOn                     | — | sec    |
| Accelerator Pedal Position           | — | %      |
| Engine Speed                         | — | rpm    |
| HV Battery SOC                       | — | %      |
| Vehicle Speed                        | — | MPH    |
| Motor A Temp Sensor                  | — | °F     |
| Barometric Pressure                  | — | PSI    |
| Motor B Temp Sensor                  | — | °F     |
| Engine Coolant Temperature           | — | °F     |
| Internal EPS Voltage Sense A         | — | Volts  |
| Internal EPS Voltage Sense B         | — | Volts  |
| Motor A Torque                       | — | Ft-Lbs |
| Actual Torque - Motor A              | — | Ft-Lbs |
| Motor B Torque                       | — | Ft-Lbs |
| Available Regen Torque - Motor B     | — | Ft-Lbs |
| Available Motor Torque - Motor B     | — | Ft-Lbs |
| Available Motor Torque - Motor A     | — | Ft-Lbs |
| Commanded Torque - Motor A           | — | Ft-Lbs |
| Actual Torque - Motor B              | — | Ft-Lbs |
| Available Regen Torque - Motor A     | — | Ft-Lbs |
| Commanded Torque - Motor B           | — | Ft-Lbs |
| Motor A - Inverter Current - phase A | — | AMP    |
| Motor A - Inverter Current - phase B | — | AMP    |
| Motor A - Inverter Current - phase C | — | AMP    |
| Motor B - Inverter Current - phase A | — | AMP    |
| Motor B - Inverter Current - phase B | — | AMP    |
| Motor B - Inverter Current - phase C | — | AMP    |
| Motor A Resolver Angle               | — | Degree |
| Motor B Resolver Angle               | — | Degree |
| Electric Motor A Speed               | — | rpm    |
| Electric Motor B Speed               | — | rpm    |
| PIM DC Link Voltage - A              | — | Volts  |
| PIM DC Link Voltage - B              | — | Volts  |

|                                         |   |         |
|-----------------------------------------|---|---------|
| HV Battery Voltage from BPCM            | — | Volts   |
| Outside Air Temperature                 | — | °F      |
| HV Battery Sleep Time                   | — | Days    |
| Battery Feed Voltage 1 Sense            | — | Volts   |
| Battery Feed Voltage 3 Sense            | — | Volts   |
| Battery Feed Voltage 2 Sense            | — | Volts   |
| Inverter A IGBT Temperature for phase A | — | °F      |
| Inverter A IGBT Temperature for phase B | — | °F      |
| Inverter A IGBT Temperature for phase C | — | °F      |
| Inverter B IGBT Temperature for phase A | — | °F      |
| Inverter B IGBT Temperature for phase B | — | °F      |
| Inverter B IGBT Temperature for phase C | — | °F      |
| GPS Date - Month                        | — |         |
| Distance Travelled with Light ON        | — | miles   |
| GPS Date - Day                          | — | Days    |
| GPS Date - Year                         | — | Year    |
| UTC Time - Hours                        | — | Hours   |
| UTC Time - Minutes                      | — |         |
| ECU Time - Milliseconds                 | — | ms      |
| UTC Time - Seconds                      | — | seconds |

#### HCP | U0415-00 | Stored | Invalid Data Received from Anti-Lock Brake System (ABS) Control Module "A"-

| NAME                                    | VALUE                   | UNITS |
|-----------------------------------------|-------------------------|-------|
| DTC                                     | C4 15 00                |       |
| Test Failed                             | False                   |       |
| Pending DTC                             | False                   |       |
| Test Failed This Operation Cycle        | False                   |       |
| Test Not Completed Since Last Clear     | False                   |       |
| Confirmed DTC                           | True                    |       |
| Test Failed Since Last Clear            | True                    |       |
| Warning Indicator Requested             | False                   |       |
| Test Not Completed This Operation Cycle | False                   |       |
| Occurrence flag                         | Occurrence              |       |
| Brake Switch Status                     | Not Applied             |       |
| Ignition State                          | Reserved                |       |
| Propulsion System Active                | True                    |       |
| PRND Position Display                   | P                       |       |
| HCP ePT Wake-Up Output                  | On                      |       |
| CBC Wake-Up Input                       | On                      |       |
| HCP System Shutdown Command             | Default                 |       |
| SW Build Release Version                | PIM_21B_2011B0_RU_HCP__ |       |
| EPT LOC Diag Enable                     | Enable LOC Diagnostic   |       |
| HCP SW Version                          | 21B                     |       |
| APM Status                              | Buck CV                 |       |

|                                      |                          |        |
|--------------------------------------|--------------------------|--------|
| Impact Event                         | False                    |        |
| HV Contactor Status                  | Closed                   |        |
| OBCM Operating Mode                  | UTC                      |        |
| J1772 Prox Detected State            | Prox Out                 |        |
| Hybrid System State                  | Propulsion System Active |        |
| PHEV Charging Status                 | No Charging              |        |
| Original Odometer Value              | 5437.4                   | miles  |
| Most Recent Odometer Value           | 5437.4                   | miles  |
| Frequency Counter                    | 1                        |        |
| Ignition Cycle Counter               | 0                        |        |
| Real time clock                      | 20958212                 | sec    |
| RAM stamps keyOn                     | 0                        | sec    |
| Accelerator Pedal Position           | 0                        | %      |
| Engine Speed                         | 0                        | rpm    |
| RAM Stamps                           | 82607                    | Min    |
| Vehicle Speed                        | 0.0000                   | MPH    |
| Motor B Temp Sensor                  | 82                       | °F     |
| HV Battery SOC                       | 26                       | %      |
| Barometric Pressure                  | 14                       | PSI    |
| Motor A Temp Sensor                  | 82                       | °F     |
| Internal EPS Voltage Sense B         | 8.136                    | Volts  |
| Engine Coolant Temperature           | 81                       | °F     |
| Motor A Torque                       | 0.000                    | Ft-Lbs |
| Actual Torque - Motor A              | 0.000                    | Ft-Lbs |
| Internal EPS Voltage Sense A         | 8.208                    | Volts  |
| Motor B Torque                       | 0.000                    | Ft-Lbs |
| Actual Torque - Motor B              | 0.000                    | Ft-Lbs |
| Available Motor Torque - Motor A     | 87.205                   | Ft-Lbs |
| Available Regen Torque - Motor A     | -87.205                  | Ft-Lbs |
| Available Regen Torque - Motor B     | -232.393                 | Ft-Lbs |
| Commanded Torque - Motor A           | 0.000                    | Ft-Lbs |
| Available Motor Torque - Motor B     | 232.393                  | Ft-Lbs |
| Motor A - Inverter Current - phase B | 0                        | AMP    |
| Motor A - Inverter Current - phase A | 0                        | AMP    |
| Motor A - Inverter Current - phase C | -4                       | AMP    |
| Commanded Torque - Motor B           | 0.000                    | Ft-Lbs |
| Motor B - Inverter Current - phase A | -4                       | AMP    |
| Motor B - Inverter Current - phase C | 0                        | AMP    |
| Motor B Resolver Angle               | 254                      | Degree |
| Motor A Resolver Angle               | 342                      | Degree |
| Motor B - Inverter Current - phase B | -4                       | AMP    |
| Electric Motor A Speed               | 0.5                      | rpm    |
| PIM DC Link Voltage - A              | 343                      | Volts  |
| Electric Motor B Speed               | 1.0                      | rpm    |

|                                         |        |         |
|-----------------------------------------|--------|---------|
| PIM DC Link Voltage - B                 | 345    | Volts   |
| HV Battery Voltage from BPCM            | 343.90 | Volts   |
| HV Battery Sleep Time                   | 0      | Days    |
| Outside Air Temperature                 | 69.8   | °F      |
| Battery Feed Voltage 1 Sense            | 14.544 | Volts   |
| Battery Feed Voltage 3 Sense            | 14.472 | Volts   |
| Battery Feed Voltage 2 Sense            | 14.544 | Volts   |
| Inverter A IGBT Temperature for phase A | 75     | °F      |
| Inverter A IGBT Temperature for phase C | 75     | °F      |
| Inverter A IGBT Temperature for phase B | 75     | °F      |
| Inverter B IGBT Temperature for phase B | 75     | °F      |
| Inverter B IGBT Temperature for phase C | 75     | °F      |
| Inverter B IGBT Temperature for phase A | 75     | °F      |
| Distance Travelled with Light ON        | 0      | miles   |
| GPS Date - Year                         | 2021   | Year    |
| GPS Date - Day                          | 4      | Days    |
| GPS Date - Month                        | 8      |         |
| UTC Time - Hours                        | 12     | Hours   |
| ECU Time - Milliseconds                 | 413    | ms      |
| UTC Time - Minutes                      | 22     |         |
| UTC Time - Seconds                      | 0      | seconds |

#### HCP | U1852-00 | Stored | Implausible Data Received from ABS on D-PT-

| NAME                                    | VALUE                   | UNITS |
|-----------------------------------------|-------------------------|-------|
| Test Failed                             | False                   |       |
| DTC                                     | D8 52 00                |       |
| Pending DTC                             | False                   |       |
| Test Failed This Operation Cycle        | False                   |       |
| Confirmed DTC                           | True                    |       |
| Test Not Completed Since Last Clear     | False                   |       |
| Test Not Completed This Operation Cycle | False                   |       |
| Test Failed Since Last Clear            | True                    |       |
| Warning Indicator Requested             | False                   |       |
| Occurrence flag                         | Occurrence              |       |
| Brake Switch Status                     | Not Applied             |       |
| PRND Position Display                   | P                       |       |
| Propulsion System Active                | True                    |       |
| Ignition State                          | Reserved                |       |
| CBC Wake-Up Input                       | On                      |       |
| HCP ePT Wake-Up Output                  | On                      |       |
| HCP System Shutdown Command             | Default                 |       |
| HCP SW Version                          | 21B                     |       |
| SW Build Release Version                | PIM_21B_2011B0_RU_HCP__ |       |
| HV Contactor Status                     | Closed                  |       |



|                                      |                          |        |
|--------------------------------------|--------------------------|--------|
| APM Status                           | Buck CV                  |        |
| EPT LOC Diag Enable                  | Enable LOC Diagnostic    |        |
| Impact Event                         | False                    |        |
| OBCM Operating Mode                  | UTC                      |        |
| J1772 Prox Detected State            | Prox Out                 |        |
| Hybrid System State                  | Propulsion System Active |        |
| PHEV Charging Status                 | No Charging              |        |
| Frequency Counter                    | 1                        |        |
| Original Odometer Value              | 5437.4                   | miles  |
| Ignition Cycle Counter               | 0                        |        |
| RAM stamps keyOn                     | 0                        | sec    |
| Accelerator Pedal Position           | 0                        | %      |
| RAM Stamps                           | 82607                    | Min    |
| Real time clock                      | 20958212                 | sec    |
| Most Recent Odometer Value           | 5437.4                   | miles  |
| Engine Speed                         | 0                        | rpm    |
| Motor A Temp Sensor                  | 82                       | °F     |
| Motor B Temp Sensor                  | 82                       | °F     |
| HV Battery SOC                       | 26                       | %      |
| Barometric Pressure                  | 14                       | PSI    |
| Engine Coolant Temperature           | 81                       | °F     |
| Internal EPS Voltage Sense A         | 8.208                    | Volts  |
| Vehicle Speed                        | 0.0000                   | MPH    |
| Internal EPS Voltage Sense B         | 8.136                    | Volts  |
| Motor B Torque                       | 0.000                    | Ft-Lbs |
| Actual Torque - Motor A              | 0.000                    | Ft-Lbs |
| Motor A Torque                       | 0.000                    | Ft-Lbs |
| Actual Torque - Motor B              | 0.000                    | Ft-Lbs |
| Available Motor Torque - Motor B     | 232.393                  | Ft-Lbs |
| Available Regen Torque - Motor B     | -232.393                 | Ft-Lbs |
| Available Motor Torque - Motor A     | 87.205                   | Ft-Lbs |
| Available Regen Torque - Motor A     | -87.205                  | Ft-Lbs |
| Commanded Torque - Motor A           | 0.000                    | Ft-Lbs |
| Motor A - Inverter Current - phase A | 0                        | AMP    |
| Motor A - Inverter Current - phase B | -4                       | AMP    |
| Motor B - Inverter Current - phase A | 0                        | AMP    |
| Motor A - Inverter Current - phase C | 0                        | AMP    |
| Commanded Torque - Motor B           | 0.000                    | Ft-Lbs |
| Motor B - Inverter Current - phase B | 0                        | AMP    |
| Motor B - Inverter Current - phase C | -4                       | AMP    |
| Motor A Resolver Angle               | 342                      | Degree |
| Motor B Resolver Angle               | 254                      | Degree |
| Electric Motor B Speed               | 0.5                      | rpm    |
| Electric Motor A Speed               | 0.5                      | rpm    |

|                                         |        |         |
|-----------------------------------------|--------|---------|
| PIM DC Link Voltage - A                 | 343    | Volts   |
| PIM DC Link Voltage - B                 | 345    | Volts   |
| HV Battery Voltage from BPCM            | 343.90 | Volts   |
| Outside Air Temperature                 | 69.8   | °F      |
| HV Battery Sleep Time                   | 0      | Days    |
| Battery Feed Voltage 1 Sense            | 14.544 | Volts   |
| Battery Feed Voltage 3 Sense            | 14.472 | Volts   |
| Battery Feed Voltage 2 Sense            | 14.544 | Volts   |
| Inverter A IGBT Temperature for phase B | 75     | °F      |
| Inverter A IGBT Temperature for phase A | 75     | °F      |
| Inverter A IGBT Temperature for phase C | 75     | °F      |
| Inverter B IGBT Temperature for phase C | 75     | °F      |
| Inverter B IGBT Temperature for phase A | 75     | °F      |
| Inverter B IGBT Temperature for phase B | 75     | °F      |
| Distance Travelled with Light ON        | 0      | miles   |
| GPS Date - Year                         | 2021   | Year    |
| GPS Date - Month                        | 8      |         |
| GPS Date - Day                          | 4      | Days    |
| UTC Time - Minutes                      | 22     |         |
| UTC Time - Seconds                      | 0      | seconds |
| UTC Time - Hours                        | 12     | Hours   |
| ECU Time - Milliseconds                 | 194    | ms      |

#### ABSO | C0501-00 | Stored | Left Front Wheel Speed Sensor "A" Range/Performance-

| NAME                                    | VALUE      | UNITS |
|-----------------------------------------|------------|-------|
| DTC                                     | 45 01 00   |       |
| Test Failed                             | False      |       |
| Test Failed This Operation Cycle        | False      |       |
| Pending DTC                             | False      |       |
| Confirmed DTC                           | True       |       |
| Test Not Completed Since Last Clear     | False      |       |
| Test Failed Since Last Clear            | False      |       |
| Test Not Completed This Operation Cycle | True       |       |
| Warning Indicator Requested             | True       |       |
| Occurrence flag                         | ERROR      |       |
| Controller Event                        | No         |       |
| Mirror Memory                           | No         |       |
| Undervoltage Suspected                  | No         |       |
| Previous System Mode                    | CAN active |       |
| Current System Mode                     | CAN active |       |
| System Condition                        | OK         |       |
| Brake Pedal Status                      | Released   |       |
| Rotation Direction Left Front           | Forward    |       |
| Rotation Direction Right Front          | Forward    |       |

|                                     |                                 |       |
|-------------------------------------|---------------------------------|-------|
| Rotation Direction Right Rear       | Forward                         |       |
| Rotation Direction Left Rear        | Forward                         |       |
| ASR control                         | Not active                      |       |
| EBV control                         | Not active                      |       |
| ESP Control                         | Not active                      |       |
| ABS control                         | Not active                      |       |
| HSA control                         | Not active                      |       |
| HBA control                         | Not active                      |       |
| EPB Mode Status                     | Static                          |       |
| Hold                                | No                              |       |
| Braking assistance system           | No Assistance System Is Braking |       |
| Park Brake                          | Not Activated                   |       |
| Plant Mode                          | No                              |       |
| ESP-OFF mode                        | No                              |       |
| BLS Low                             | Yes                             |       |
| MSR control                         | Not active                      |       |
| Clutch                              | Not Activated                   |       |
| Stop Coordinator Active             | No                              |       |
| BLS High                            | No                              |       |
| Actual Gear                         | P                               |       |
| Transmission selector lever setting | P                               |       |
| Status Parking Brake Left           | Brake is Released               |       |
| Status Parking Brake Right          | Brake is Released               |       |
| EPB Switch Status                   | Idle                            |       |
| Most Recent Odometer Value          | 5428                            | miles |
| Original Odometer Value             | 5428                            | miles |
| Frequency Counter                   | 1                               |       |
| Ignition Cycle Counter              | 0                               |       |
| Brake Pedal Travel Sensor Position  | 0                               | %     |
| Supply voltage Pump                 | 14.1                            | V     |
| Supply Voltage Valves               | 14.2                            | V     |
| Fault Time                          | 13107.00                        | S     |
| Ignition Unfiltered                 | 0.0                             | V     |
| Wheel Speed Left Front              | 0.000                           | MPH   |
| Wheel Speed Left Rear               | 11.185                          | MPH   |
| Wheel Speed Right Rear              | 12.303                          | MPH   |
| Wheel Speed Right Front             | 0.000                           | MPH   |
| Steering Wheel Angle                | 76.80                           | °     |
| Lateral Acceleration                | 0.43                            | m/s^2 |
| Longitudinal Acceleration           | 0.00                            | m/s^2 |
| Primary Circuit Pressure            | 0.00                            | PSI   |
| Yaw Rate                            | 0.000                           | °/s   |
| Accelerator Pedal Position          | 0.0                             | %     |
| Engine Speed                        | 0.0                             | rpm   |

Supplier Internal Code

502

**ABSO | C0507-00 | Stored | Right Front Wheel Speed Sensor "A" Range/Performance-**

| NAME                                    | VALUE                           | UNITS |
|-----------------------------------------|---------------------------------|-------|
| DTC                                     | 45 07 00                        |       |
| Test Failed This Operation Cycle        | False                           |       |
| Pending DTC                             | False                           |       |
| Confirmed DTC                           | True                            |       |
| Test Not Completed Since Last Clear     | False                           |       |
| Test Failed Since Last Clear            | False                           |       |
| Test Failed                             | False                           |       |
| Occurrence flag                         | ERROR                           |       |
| Warning Indicator Requested             | True                            |       |
| Test Not Completed This Operation Cycle | True                            |       |
| Controller Event                        | No                              |       |
| Mirror Memory                           | No                              |       |
| Undervoltage Suspected                  | No                              |       |
| Current System Mode                     | CAN active                      |       |
| System Condition                        | OK                              |       |
| Previous System Mode                    | CAN active                      |       |
| Brake Pedal Status                      | Released                        |       |
| Rotation Direction Left Rear            | Forward                         |       |
| Rotation Direction Left Front           | Forward                         |       |
| Rotation Direction Right Front          | Forward                         |       |
| Rotation Direction Right Rear           | Forward                         |       |
| ABS control                             | Not active                      |       |
| ASR control                             | Not active                      |       |
| EBV control                             | Not active                      |       |
| MSR control                             | Not active                      |       |
| ESP Control                             | Not active                      |       |
| HSA control                             | Not active                      |       |
| HBA control                             | Not active                      |       |
| Hold                                    | No                              |       |
| Plant Mode                              | No                              |       |
| EPB Mode Status                         | Static                          |       |
| Braking assistance system               | No Assistance System Is Braking |       |
| ESP-OFF mode                            | No                              |       |
| Clutch                                  | Not Activated                   |       |
| BLS Low                                 | Yes                             |       |
| Stop Coordinator Active                 | No                              |       |
| BLS High                                | No                              |       |
| Actual Gear                             | P                               |       |
| Park Brake                              | Not Activated                   |       |
| Transmission selector lever setting     | P                               |       |

|                                    |                   |       |
|------------------------------------|-------------------|-------|
| Status Parking Brake Left          | Brake is Released |       |
| Status Parking Brake Right         | Brake is Released |       |
| EPB Switch Status                  | Idle              |       |
| Original Odometer Value            | 5428              | miles |
| Most Recent Odometer Value         | 5428              | miles |
| Frequency Counter                  | 1                 |       |
| Ignition Cycle Counter             | 0                 |       |
| Fault Time                         | 13107.00          | S     |
| Brake Pedal Travel Sensor Position | 0                 | %     |
| Supply Voltage Valves              | 14.2              | V     |
| Ignition Unfiltered                | 0.0               |       |
| Wheel Speed Right Front            | 0.000             | MPH   |
| Wheel Speed Left Front             | 0.000             | MPH   |
| Wheel Speed Left Rear              | 11.185            | MPH   |
| Wheel Speed Right Rear             | 12.303            | MPH   |
| Steering Wheel Angle               | 76.80             | °     |
| Longitudinal Acceleration          | 0.00              | m/s^2 |
| Supply voltage Pump                | 14.1              | V     |
| Lateral Acceleration               | 0.43              | m/s^2 |
| Primary Circuit Pressure           | 0.00              | PSI   |
| Engine Speed                       | 0.0               | rpm   |
| Yaw Rate                           | 0.000             | °/s   |
| Accelerator Pedal Position         | 0.0               | %     |
| Supplier Internal Code             | 515               |       |

## SNAPSHOT DATA SUMMARY

No Snapshot Data available for U140A

No Snapshot Data available for U1409

No Snapshot Data available for B1975-00

No Snapshot Data available for U0232-00

No Snapshot Data available for U0232-00

No Snapshot Data available for B233C-00

No Snapshot Data available for U0415-00

No Snapshot Data available for P1666-00

No Snapshot Data available for C2225-00

No Snapshot Data available for C2227-00

No Snapshot Data available for U0415-00

No Snapshot Data available for P1AAA-00

No Snapshot Data available for P1AAE-00

No Snapshot Data available for P1AA6-00

No Snapshot Data available for P1AA2-00

No Snapshot Data available for P1A9A-00

No Snapshot Data available for P1A9E-00

No Snapshot Data available for P062C-00

No Snapshot Data available for U0415-00

No Snapshot Data available for U1852-00

No Snapshot Data available for C0501-00

No Snapshot Data available for C0507-00

## P1A9A-00-HYBRID-EV BATTERY TEMPERATURE SENSOR 1 OUT OF RANGE LOW (MODULE, Battery Pack Control (BPCM))



**When Monitored:** This diagnostic runs continuously when the following conditions are met:

- Ignition on.
- Voltage between 9 and 18 volts.

### Set Conditions:

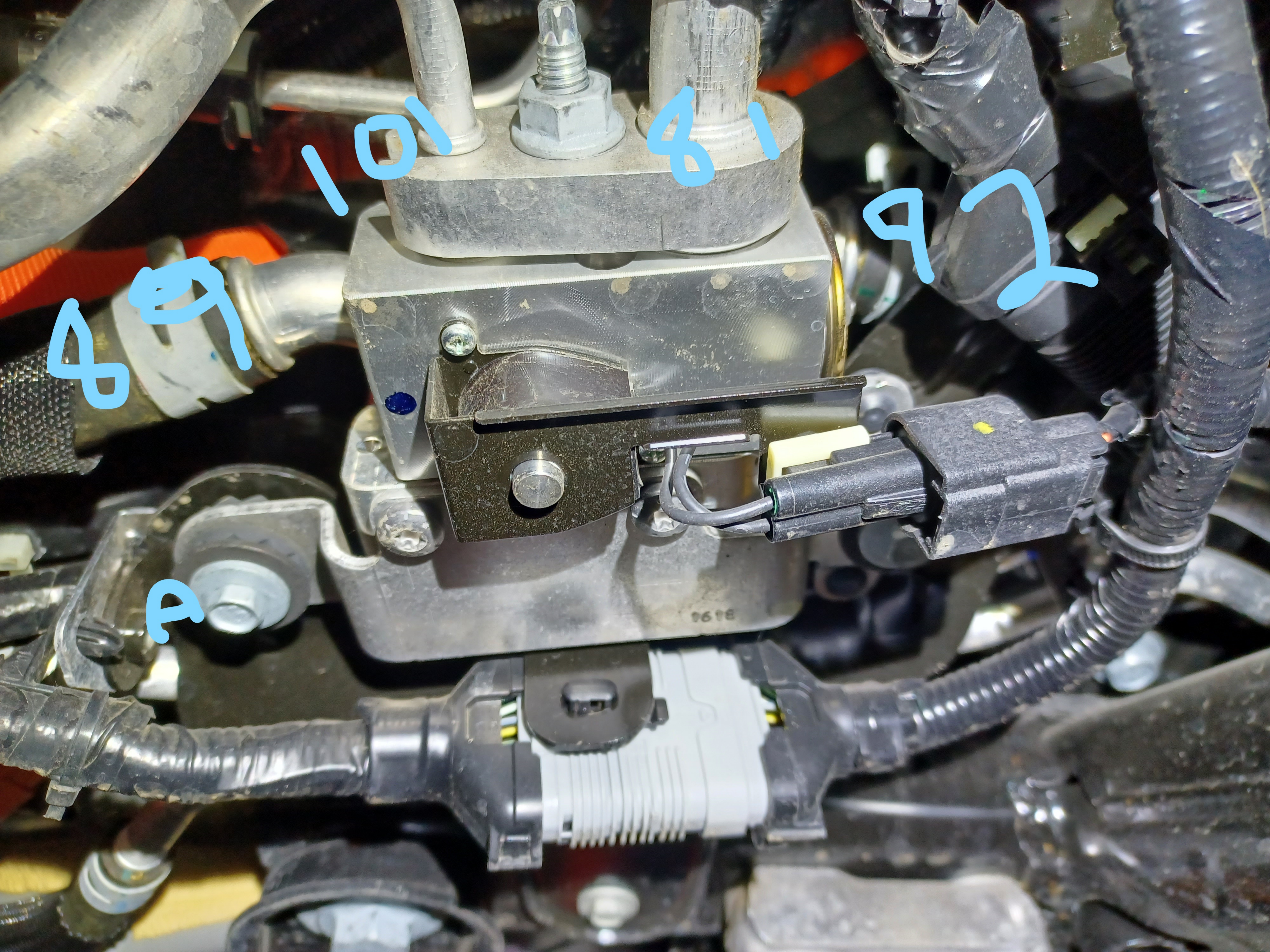
- This DTC will set if the Battery Pack Control Module detects a core temperature of 55.0° C (131.0° F) or more and can be influenced by cooling system faults or ambient temperature conditions. Overall cooling system performance should be evaluated as a possible cause for this DTC. High temperature management should begin around 100.0 F

### Default Actions:

- This DTC may inhibit propulsion and cause vehicle shut down.

|                                                   |                |           |
|---------------------------------------------------|----------------|-----------|
| HV Sensor A Pack Voltage                          | 343.90         | Volts     |
| HV Sensor B Bus\Link (Pre-Fuse) Voltage           | 1.40           | Volts     |
| HV Sensor C OBCM (HVOBC Fuse) Voltage             | 0.80           | Volts     |
| HV Sensor D Heater (HVVHTR Fuse) Voltage          | 0.80           | Volts     |
| HV Sensor G Weld Contactor(Pack Negative) Voltage | 0.0            | Volts     |
| Battery Temperature Maximum Module                | 131            | *F        |
| Battery Temperature Minimum Module                | 124            | *F        |
| Battery Temperature Average Module                | 127            | *F        |
| Battery Temperature Highest Sensor number         | 03             |           |
| Battery Temperature Lowest Sensor number          | 01             |           |
| Battery Temperature Number of Failing Sensors     | 00             |           |
| HV Cooling Pump Relay Drive                       | Not Sourced    |           |
| HV Cooling Battery coolant inlet temp             | 145            | *F        |
| HV Cooling Battery coolant outlet temp            | 145            | *F        |
| HV Cooling OBCM temp inlet Temp                   | 93             | *F        |
| Pump - Battery Coolant Level Low                  | False          |           |
| Isolation Vehicle Diagnostic Status               | Run and Passed |           |
| Isolation Vehicle Impedance                       | 7.1372         | Mega Ohms |
| Isolation Battery Diagnostic Status               | Run and Passed |           |
| Isolation Battery Impedance                       | 0.8480         | Mega Ohms |
| HV Bat SOH-R                                      | 96.5           | %         |
| HV Bat SOH-C                                      | 91.8           | %         |
| BPCM Sec Asic Reset Req                           | Not Active     |           |





10

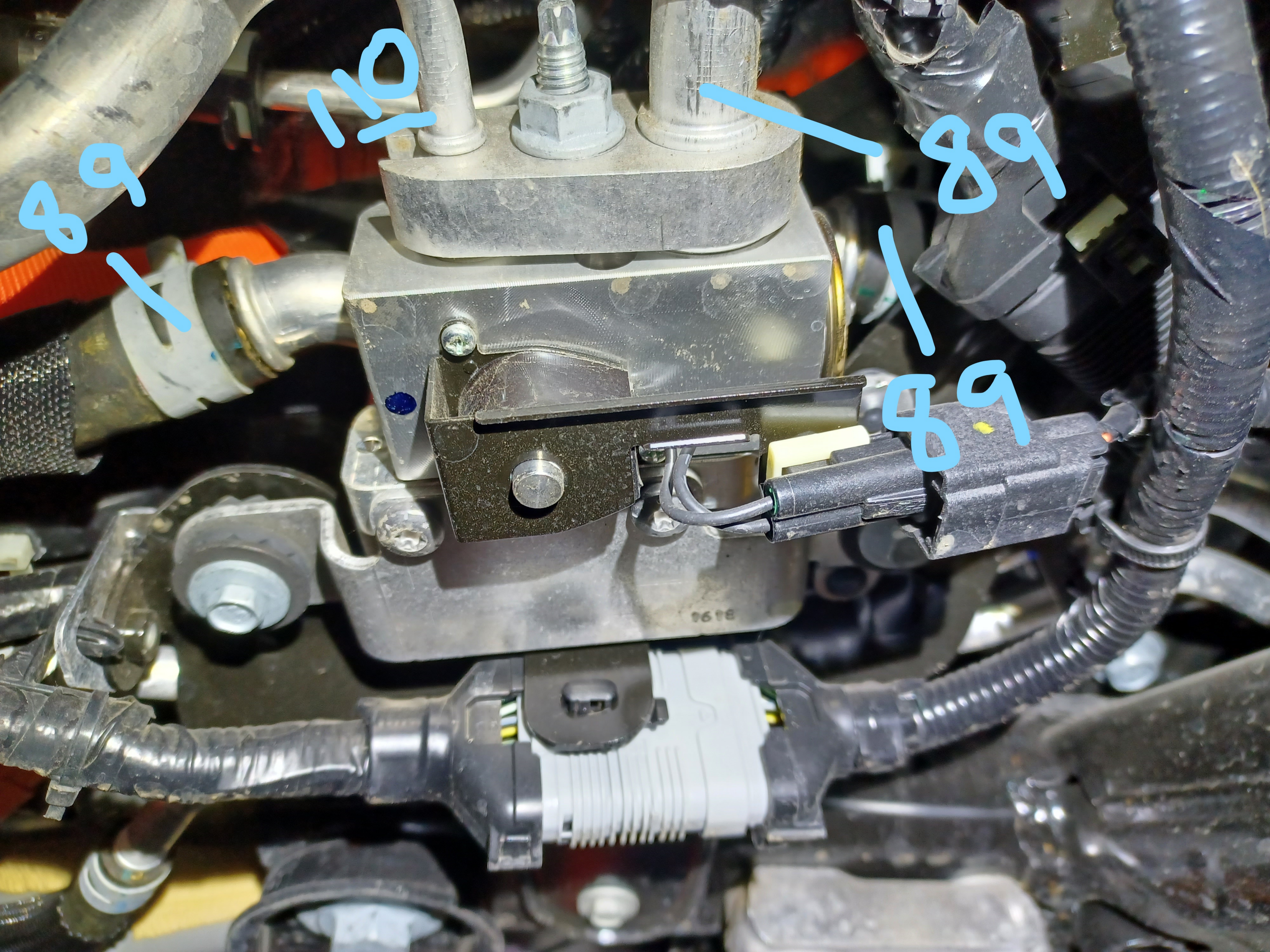
81

49

92

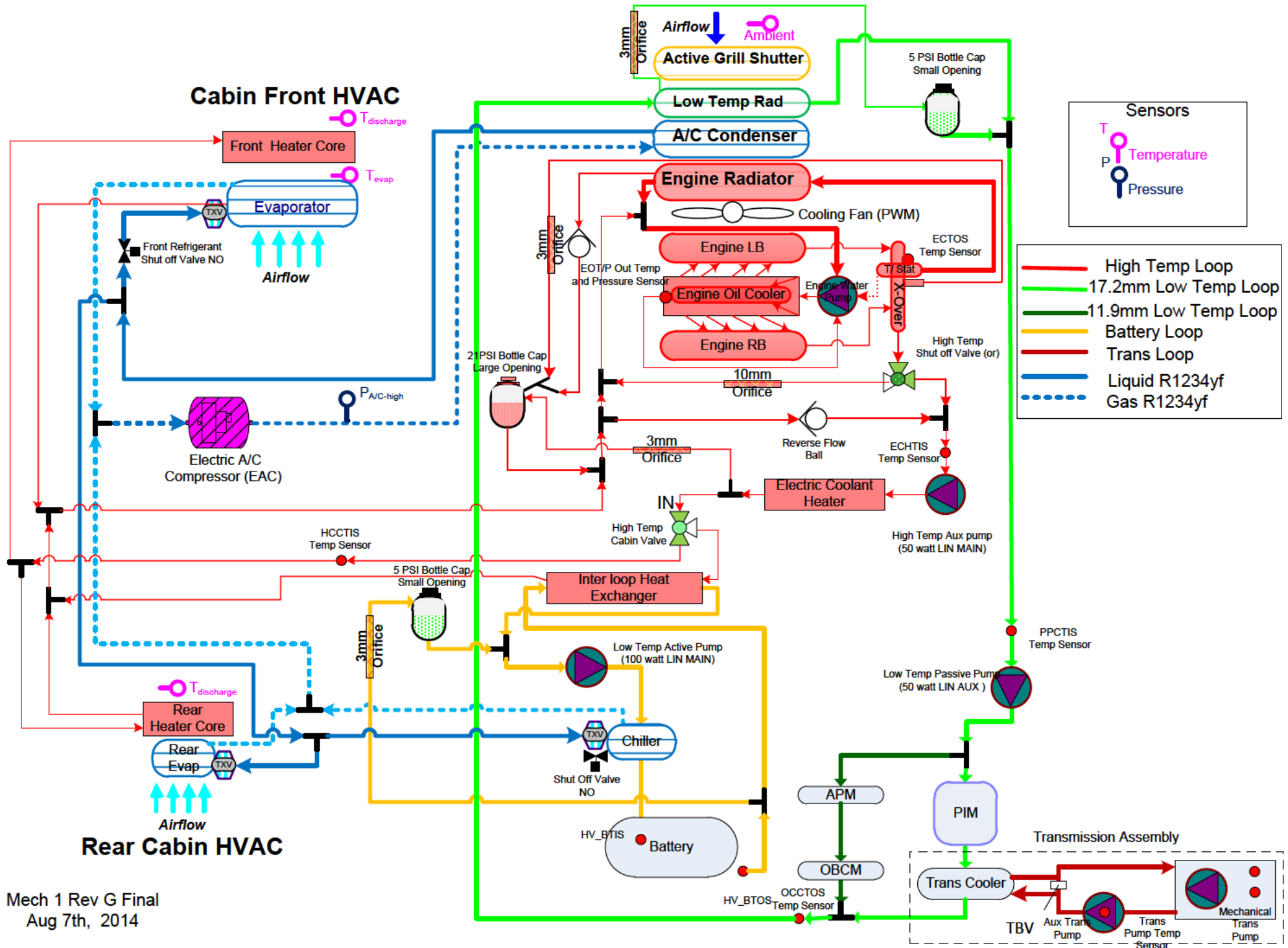
P







# Thermal System Diagram – FWD PHEV





2021 CHRYSLER PACIFICA (PHEV) 3.6L V6 HYBRID ENGINE

14.50 Volts



S809480



Flash DTCs Data Misc Functions System Tests Actuators Details Configuration

Type: All Record Units: Imperial Filter Selections Graph Selections Add To Vehicle Data Clear Selections 0.75 s COOLAN

Ungrouped Data

4 items

| NAME                                        | VALUE  | UNIT  | TYPE    |  |  |                          |
|---------------------------------------------|--------|-------|---------|--|--|--------------------------|
| Engine Coolant Temperature                  | 179.60 | °F    | Sensors |  |  | <input type="checkbox"/> |
| Engine coolant temperature sensor voltage   | 1.1242 | Volts | Sensors |  |  | <input type="checkbox"/> |
| Low Side Coolant Temperature                | -83.20 | °F    | Sensors |  |  | <input type="checkbox"/> |
| Low Side Coolant Temperature Sensor Voltage | 0.0000 | V     | Sensors |  |  | <input type="checkbox"/> |





S809480

Type: AllRecordUnits: ImperialFilter SelectionsGraph SelectionsAdd To Vehicle DataClear Selections0.75 sTEMP

| HV Battery Reasons For Open Contactors3 items                        |        |         |         |                                                                                                                                                                                                      |
|----------------------------------------------------------------------|--------|---------|---------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NAME                                                                 | VALUE  | UNIT    | TYPE    |                                                                                                                                                                                                      |
| Battery Overtemperature                                              | True   |         | Sensors |   <input type="checkbox"/>     |
| Module temperature differential                                      | False  |         | Sensors |   <input type="checkbox"/>     |
| Battery Undertemperature                                             | False  |         | Sensors |   <input type="checkbox"/>     |
| HV Battery Reasons For Contactors Not Closing When Commanded3 items  |        |         |         |                                                                                                                                                                                                      |
| NAME                                                                 | VALUE  | UNIT    | TYPE    |                                                                                                                                                                                                      |
| Battery Overtemperature                                              | False  |         | Sensors |   <input type="checkbox"/>     |
| Module temperature differential                                      | False  |         | Sensors |   <input type="checkbox"/>     |
| Battery Undertemperature                                             | False  |         | Sensors |   <input type="checkbox"/>     |
| Ungrouped Data62 items                                               |        |         |         |                                                                                                                                                                                                      |
| NAME                                                                 | VALUE  | UNIT    | TYPE    |                                                                                                                                                                                                      |
| Temp 1 Sensor Validity (charge indicator)                            | Valid  |         | Sensors |   <input type="checkbox"/>   |
| Temp 2 Sensor Validity (OBCM temp inlet)                             | Valid  |         | Sensors |   <input type="checkbox"/> |
| Maximum Temp Sensor                                                  | 6      | No Unit | Sensors |   <input type="checkbox"/> |
| Minimum Temp Sensor                                                  | 10     | No Unit | Sensors |   <input type="checkbox"/> |
| Max Cell Temp                                                        | 70     | °F      | Sensors |   <input type="checkbox"/> |
| Min Cell Temp                                                        | 68     | °F      | Sensors |   <input type="checkbox"/> |
| Battery Cooling Inlet Temp                                           | 81     | °F      | Sensors |   <input type="checkbox"/> |
| Battery Inlet Temp Sensor volts                                      | 2.7451 | Volts   | Sensors |   <input type="checkbox"/> |
| Battery outlet Temp                                                  | 120    | °F      | Sensors |   <input type="checkbox"/> |
| Battery outlet Temp Sensor Volts                                     | 2.0981 | Volts   | Sensors |   <input type="checkbox"/> |
| Radiator Inlet Temp                                                  | 32     | °F      | Sensors |   <input type="checkbox"/> |
| Radiator Inlet Temp Sensor Volts                                     | 0.0000 | Volts   | Sensors |   <input type="checkbox"/> |
| BPCM Board Temp sensor 1                                             | 79     | °F      | Sensors |   <input type="checkbox"/> |
| BPCM Board Temp sensor 2                                             | 79     | °F      | Sensors |   <input type="checkbox"/> |
| BPCM Board Temp sensor 3                                             | 79     | °F      | Sensors |   <input type="checkbox"/> |
| BPCM Board Temp sensor 4                                             | 77     | °F      | Sensors |   <input type="checkbox"/> |
| BPCM Module Temp Sensor 1                                            | 68     | °F      | Sensors |   <input type="checkbox"/> |
| BPCM Module Temp Sensor 2                                            | 68     | °F      | Sensors |   <input type="checkbox"/> |
| BPCM Module Temp Sensor 3                                            | 68     | °F      | Sensors |   <input type="checkbox"/> |
| BPCM Module Temp Sensor 4                                            | 68     | °F      | Sensors |   <input type="checkbox"/> |
| BPCM Module Temp Sensor 5                                            | 68     | °F      | Sensors |   <input type="checkbox"/> |
| BPCM Module Temp Sensor 6                                            | 70     | °F      | Sensors |   <input type="checkbox"/> |
| BPCM Module Temp Sensor 7                                            | 70     | °F      | Sensors |   <input type="checkbox"/> |
| BPCM Module Temp Sensor 8                                            | 68     | °F      | Sensors |   <input type="checkbox"/> |
| BPCM Module Temp Sensor 9                                            | 68     | °F      | Sensors |   <input type="checkbox"/> |
| BPCM Module Temp Sensor 10                                           | 68     | °F      | Sensors |   <input type="checkbox"/> |
| BPCM Module Temp Sensor 11                                           | 68     | °F      | Sensors |   <input type="checkbox"/> |
| BPCM Module Temp Sensor 12                                           | 68     | °F      | Sensors |   <input type="checkbox"/> |
| BPCM Board Temp sensor 5                                             | 77     | °F      | Sensors |   <input type="checkbox"/> |
| BPCM Board Temp sensor 6                                             | 75     | °F      | Sensors |   <input type="checkbox"/> |
| BPCM Module Temp Sensor 1                                            | 68     | °F      | Sensors |   <input type="checkbox"/> |
| BPCM Module Temp Sensor 2                                            | 68     | °F      | Sensors |   <input type="checkbox"/> |
| BPCM Module Temp Sensor 3                                            | 68     | °F      | Sensors |   <input type="checkbox"/> |
| BPCM Module Temp Sensor 4                                            | 68     | °F      | Sensors |   <input type="checkbox"/> |
| BPCM Module Temp Sensor 5                                            | 68     | °F      | Sensors |   <input type="checkbox"/> |
| BPCM Module Temp Sensor 6                                            | 70     | °F      | Sensors |   <input type="checkbox"/> |
| BPCM Module Temp Sensor 7                                            | 70     | °F      | Sensors |   <input type="checkbox"/> |
| BPCM Module Temp Sensor 8                                            | 68     | °F      | Sensors |   <input type="checkbox"/> |
| BPCM Module Temp Sensor 9                                            | 68     | °F      | Sensors |   <input type="checkbox"/> |
| BPCM Module Temp Sensor 10                                           | 68     | °F      | Sensors |   <input type="checkbox"/> |
| BPCM Module Temp Sensor 11                                           | 68     | °F      | Sensors |   <input type="checkbox"/> |
| BPCM Module Temp Sensor 12                                           | 68     | °F      | Sensors |   <input type="checkbox"/> |
| BUH Start\Post Drive Battery Temp diff vs. Drive : T < = -30         | 0      |         | events  |   <input type="checkbox"/> |
| BUH Start\Post Drive Battery Temp diff vs. Drive : -30 < T < = -23   | 0      |         | events  |   <input type="checkbox"/> |
| BUH Start\Post Drive Battery Temp diff vs. Drive : -23 < T < = -16   | 0      |         | events  |   <input type="checkbox"/> |
| BUH Start\Post Drive Battery Temp diff vs. Drive : -16< T < = -10    | 0      |         | events  |   <input type="checkbox"/> |
| BUH Start\Post Drive Battery Temp diff vs. Drive : -10< T < = 0      | 667    |         | events  |   <input type="checkbox"/> |
| BUH Start\Post Drive Battery Temp diff vs. Drive : 0< T < = 5        | 2144   |         | events  |   <input type="checkbox"/> |
| BUH Start\Post Drive Battery Temp diff vs. Drive : 0< T < = 10       | 68     |         | events  |   <input type="checkbox"/> |
| BUH Start\Post Drive Battery Temp diff vs. Drive : 10< T < = 20      | 21     |         | events  |   <input type="checkbox"/> |
| BUH Start\Post Drive Battery Temp diff vs. Drive : 20< T < = 30      | 1      |         | events  |   <input type="checkbox"/> |
| BUH Start\Post Drive Battery Temp diff vs. Drive : 30 < T            | 0      |         | events  |   <input type="checkbox"/> |
| BUH Park\Start Battery Temp differential vs. Drive : T < = -30       | 1      |         | events  |   <input type="checkbox"/> |
| BUH Park\Start Battery Temp differential vs. Drive : -30 < T < = -25 | 2      |         | events  |   <input type="checkbox"/> |
| BUH Park\Start Battery Temp differential vs. Drive : -25 < T < = -15 | 9      |         | events  |   <input type="checkbox"/> |
| BUH Park\Start Battery Temp differential vs. Drive : -15< T < = -10  | 33     |         | events  |   <input type="checkbox"/> |
| BUH Park\Start Battery Temp differential vs. Drive : 0< T < = 5      | 699    |         | events  |   <input type="checkbox"/> |
| BUH Park\Start Battery Temp differential vs. Drive : -10< T < = 0    | 2151   |         | events  |   <input type="checkbox"/> |
| BUH Park\Start Battery Temp differential vs. Drive : 0< T < = 10     | 4      |         | events  |   <input type="checkbox"/> |
| BUH Park\Start Battery Temp differential vs. Drive : 10< T < = 20    | 1      |         | events  |   <input type="checkbox"/> |
| BUH Park\Start Battery Temp differential vs. Drive : 20< T < = 30    | 1      |         | events  |   <input type="checkbox"/> |
| BUH Park\Start Battery Temp differential vs. Drive : 30 < T          | 0      |         | events  |   <input type="checkbox"/> |



Battery Pack Control Module

- Flash
- DTCs
- Data
- Misc Functions
- System Tests
- Actuators
- Details
- Configuration

Type: All

Record

Units: Imperial

Filter Selections

Graph Selections

Add To Vehicle Data

Clear Selections

0.75 s

TEMP

HV Battery Reasons For Open Contactors

3 items

| NAME                            | VALUE | UNIT | TYPE    |                                              |
|---------------------------------|-------|------|---------|----------------------------------------------|
| Battery Overtemperature         | True  |      | Sensors | <div><div></div><div></div><div></div></div> |
| Module temperature differential | False |      | Sensors | <div><div></div><div></div><div></div></div> |
| Battery Undertemperature        | False |      | Sensors | <div><div></div><div></div><div></div></div> |

HV Battery Reasons For Contactors Not Closing When Commanded

3 items

| NAME                            | VALUE | UNIT | TYPE    |                                              |
|---------------------------------|-------|------|---------|----------------------------------------------|
| Battery Overtemperature         | False |      | Sensors | <div><div></div><div></div><div></div></div> |
| Module temperature differential | False |      | Sensors | <div><div></div><div></div><div></div></div> |
| Battery Undertemperature        | False |      | Sensors | <div><div></div><div></div><div></div></div> |

Ungrouped Data

62 items



S809480



|                                                                      |        |         |         |                                              |
|----------------------------------------------------------------------|--------|---------|---------|----------------------------------------------|
| Temp 1 Sensor Validity (charge indicator)                            | Valid  |         | Sensors | <div><div></div><div></div><div></div></div> |
| Temp 2 Sensor Validity (OBCM temp inlet)                             | Valid  |         | Sensors | <div><div></div><div></div><div></div></div> |
| Maximum Temp Sensor                                                  | 6      | No Unit | Sensors | <div><div></div><div></div><div></div></div> |
| Minimum Temp Sensor                                                  | 10     | No Unit | Sensors | <div><div></div><div></div><div></div></div> |
| Max Cell Temp                                                        | 70     | °F      | Sensors | <div><div></div><div></div><div></div></div> |
| Min Cell Temp                                                        | 68     | °F      | Sensors | <div><div></div><div></div><div></div></div> |
| Battery Cooling Inlet Temp                                           | 81     | °F      | Sensors | <div><div></div><div></div><div></div></div> |
| Battery Inlet Temp Sensor volts                                      | 2.7255 | Volts   | Sensors | <div><div></div><div></div><div></div></div> |
| Battery outlet Temp                                                  | 118    | °F      | Sensors | <div><div></div><div></div><div></div></div> |
| Battery outlet Temp Sensor Volts                                     | 2.0981 | Volts   | Sensors | <div><div></div><div></div><div></div></div> |
| Radiator Inlet Temp                                                  | 32     | °F      | Sensors | <div><div></div><div></div><div></div></div> |
| Radiator Inlet Temp Sensor Volts                                     | 0.0000 | Volts   | Sensors | <div><div></div><div></div><div></div></div> |
| BPCM Board Temp sensor 1                                             | 81     | °F      | Sensors | <div><div></div><div></div><div></div></div> |
| BPCM Board Temp sensor 2                                             | 79     | °F      | Sensors | <div><div></div><div></div><div></div></div> |
| BPCM Board Temp sensor 3                                             | 79     | °F      | Sensors | <div><div></div><div></div><div></div></div> |
| BPCM Board Temp sensor 4                                             | 77     | °F      | Sensors | <div><div></div><div></div><div></div></div> |
| BPCM Module Temp Sensor 1                                            | 68     | °F      | Sensors | <div><div></div><div></div><div></div></div> |
| BPCM Module Temp Sensor 2                                            | 68     | °F      | Sensors | <div><div></div><div></div><div></div></div> |
| BPCM Module Temp Sensor 3                                            | 68     | °F      | Sensors | <div><div></div><div></div><div></div></div> |
| BPCM Module Temp Sensor 4                                            | 68     | °F      | Sensors | <div><div></div><div></div><div></div></div> |
| BPCM Module Temp Sensor 5                                            | 68     | °F      | Sensors | <div><div></div><div></div><div></div></div> |
| BPCM Module Temp Sensor 6                                            | 70     | °F      | Sensors | <div><div></div><div></div><div></div></div> |
| BPCM Module Temp Sensor 7                                            | 70     | °F      | Sensors | <div><div></div><div></div><div></div></div> |
| BPCM Module Temp Sensor 8                                            | 68     | °F      | Sensors | <div><div></div><div></div><div></div></div> |
| BPCM Module Temp Sensor 9                                            | 68     | °F      | Sensors | <div><div></div><div></div><div></div></div> |
| BPCM Module Temp Sensor 10                                           | 68     | °F      | Sensors | <div><div></div><div></div><div></div></div> |
| BPCM Module Temp Sensor 11                                           | 68     | °F      | Sensors | <div><div></div><div></div><div></div></div> |
| BPCM Module Temp Sensor 12                                           | 68     | °F      | Sensors | <div><div></div><div></div><div></div></div> |
| BPCM Board Temp sensor 5                                             | 77     | °F      | Sensors | <div><div></div><div></div><div></div></div> |
| BPCM Board Temp sensor 6                                             | 75     | °F      | Sensors | <div><div></div><div></div><div></div></div> |
| BPCM Module Temp Sensor 1                                            | 68     | °F      | Sensors | <div><div></div><div></div><div></div></div> |
| BPCM Module Temp Sensor 2                                            | 68     | °F      | Sensors | <div><div></div><div></div><div></div></div> |
| BPCM Module Temp Sensor 3                                            | 68     | °F      | Sensors | <div><div></div><div></div><div></div></div> |
| BPCM Module Temp Sensor 4                                            | 68     | °F      | Sensors | <div><div></div><div></div><div></div></div> |
| BPCM Module Temp Sensor 5                                            | 68     | °F      | Sensors | <div><div></div><div></div><div></div></div> |
| BPCM Module Temp Sensor 6                                            | 70     | °F      | Sensors | <div><div></div><div></div><div></div></div> |
| BPCM Module Temp Sensor 7                                            | 70     | °F      | Sensors | <div><div></div><div></div><div></div></div> |
| BPCM Module Temp Sensor 8                                            | 68     | °F      | Sensors | <div><div></div><div></div><div></div></div> |
| BPCM Module Temp Sensor 9                                            | 68     | °F      | Sensors | <div><div></div><div></div><div></div></div> |
| BPCM Module Temp Sensor 10                                           | 68     | °F      | Sensors | <div><div></div><div></div><div></div></div> |
| BPCM Module Temp Sensor 11                                           | 68     | °F      | Sensors | <div><div></div><div></div><div></div></div> |
| BPCM Module Temp Sensor 12                                           | 68     | °F      | Sensors | <div><div></div><div></div><div></div></div> |
| BUH Start\Post Drive Battery Temp diff vs. Drive : T < = -30         | 0      | events  | Sensors | <div><div></div><div></div><div></div></div> |
| BUH Start\Post Drive Battery Temp diff vs. Drive : -30 < T < = -23   | 0      | events  | Sensors | <div><div></div><div></div><div></div></div> |
| BUH Start\Post Drive Battery Temp diff vs. Drive : -23 < T < = -16   | 0      | events  | Sensors | <div><div></div><div></div><div></div></div> |
| BUH Start\Post Drive Battery Temp diff vs. Drive : -16< T < = -10    | 0      | events  | Sensors | <div><div></div><div></div><div></div></div> |
| BUH Start\Post Drive Battery Temp diff vs. Drive : -10< T < = 0      | 667    | events  | Sensors | <div><div></div><div></div><div></div></div> |
| BUH Start\Post Drive Battery Temp diff vs. Drive : 0< T < = 5        | 2144   | events  | Sensors | <div><div></div><div></div><div></div></div> |
| BUH Start\Post Drive Battery Temp diff vs. Drive : 0< T < = 10       | 68     | events  | Sensors | <div><div></div><div></div><div></div></div> |
| BUH Start\Post Drive Battery Temp diff vs. Drive : 10< T < = 20      | 21     | events  | Sensors | <div><div></div><div></div><div></div></div> |
| BUH Start\Post Drive Battery Temp diff vs. Drive : 20< T < = 30      | 1      | events  | Sensors | <div><div></div><div></div><div></div></div> |
| BUH Start\Post Drive Battery Temp diff vs. Drive : 30 < T            | 0      | events  | Sensors | <div><div></div><div></div><div></div></div> |
| BUH Park\Start Battery Temp differential vs. Drive : T < = -30       | 1      | events  | Sensors | <div><div></div><div></div><div></div></div> |
| BUH Park\Start Battery Temp differential vs. Drive : -30 < T < = -25 | 2      | events  | Sensors | <div><div></div><div></div><div></div></div> |
| BUH Park\Start Battery Temp differential vs. Drive : -25 < T < = -15 | 9      | events  | Sensors | <div><div></div><div></div><div></div></div> |
| BUH Park\Start Battery Temp differential vs. Drive : -15< T < = -10  | 33     | events  | Sensors | <div><div></div><div></div><div></div></div> |
| BUH Park\Start Battery Temp differential vs. Drive : 0< T < = 5      | 699    | events  | Sensors | <div><div></div><div></div><div></div></div> |
| BUH Park\Start Battery Temp differential vs. Drive : -10< T < = 0    | 2151   | events  | Sensors | <div><div></div><div></div><div></div></div> |
| BUH Park\Start Battery Temp differential vs. Drive : 0< T < = 10     | 4      | events  | Sensors | <div><div></div><div></div><div></div></div> |
| BUH Park\Start Battery Temp differential vs. Drive : 10< T < = 20    | 1      | events  | Sensors | <div><div></div><div></div><div></div></div> |
| BUH Park\Start Battery Temp differential vs. Drive : 20< T < = 30    | 1      | events  | Sensors | <div><div></div><div></div><div></div></div> |
| BUH Park\Start Battery Temp differential vs. Drive : 30 < T          | 0      | events  | Sensors | <div><div></div><div></div><div></div></div> |





2021 CHRYSLER PACIFICA (PHEV) 3.6L V6 HYBRID ENGINE



14.50 Volts



BPCM



Switch ECU

Battery Pack Control Module

Flash

DTCs

Data

Misc Functions

System Tests

Actuators

Details

Configuration

Type: AllRecordUnits: ImperialFilter SelectionsGraph SelectionsAdd To Vehicle DataClear Selections0.75 sTEMP

HV Battery Reasons For Open Contactors3 items

| NAME                            | VALUE | UNIT | TYPE    |                                                                                                                                                                                                            |
|---------------------------------|-------|------|---------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Battery Overtemperature         | True  |      | Sensors | <div></div> <input type="checkbox"/> |
| Module temperature differential | False |      | Sensors | <div></div> <input type="checkbox"/> |
| Battery Undertemperature        | False |      | Sensors | <div></div> <input type="checkbox"/> |

HV Battery Reasons For Contactors Not Closing When Commanded3 items

| NAME                            | VALUE | UNIT | TYPE    |                                                                                                                                                                                                            |
|---------------------------------|-------|------|---------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Battery Overtemperature         | False |      | Sensors | <div></div> <input type="checkbox"/> |
| Module temperature differential | False |      | Sensors | <div></div> <input type="checkbox"/> |
| Battery Undertemperature        | False |      | Sensors | <div></div> <input type="checkbox"/> |

Ungrouped Data62 items

| NAME                                      | VALUE  | UNIT    | TYPE    |                                                                                                                                                                                                                |
|-------------------------------------------|--------|---------|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Temp 1 Sensor Validity (charge indicator) | Valid  |         | Sensors | <div></div> <input type="checkbox"/>   |
| Temp 2 Sensor Validity (OBCM temp inlet)  | Valid  |         | Sensors | <div></div> <input type="checkbox"/> |
| Maximum Temp Sensor                       | 6      | No Unit | Sensors | <div></div> <input type="checkbox"/> |
| Minimum Temp Sensor                       | 10     | No Unit | Sensors | <div></div> <input type="checkbox"/> |
| Max Cell Temp                             | 72     | °F      | Sensors | <div></div> <input type="checkbox"/> |
| Min Cell Temp                             | 68     | °F      | Sensors | <div></div> <input type="checkbox"/> |
| Battery Cooling Inlet Temp                | 81     | °F      | Sensors | <div></div> <input type="checkbox"/> |
| Battery Inlet Temp Sensor volts           | 2.7255 | Volts   | Sensors | <div></div> <input type="checkbox"/> |
| Battery outlet Temp                       | 118    | °F      | Sensors | <div></div> <input type="checkbox"/> |
| Battery outlet Temp Sensor Volts          | 2.1177 | Volts   | Sensors | <div></div> <input type="checkbox"/> |
| Radiator Inlet Temp                       | 22     | °F      | Sensors | <div></div> <input type="checkbox"/> |



S809480



|                                                                      |      |    |         |                                                                                                                                                                                                                |
|----------------------------------------------------------------------|------|----|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| BPCM Board Temp sensor 1                                             | 81   | °F | Sensors | <div></div> <input type="checkbox"/> |
| BPCM Board Temp sensor 2                                             | 79   | °F | Sensors | <div></div> <input type="checkbox"/> |
| BPCM Board Temp sensor 3                                             | 79   | °F | Sensors | <div></div> <input type="checkbox"/> |
| BPCM Board Temp sensor 4                                             | 77   | °F | Sensors | <div></div> <input type="checkbox"/> |
| BPCM Module Temp Sensor 1                                            | 68   | °F | Sensors | <div></div> <input type="checkbox"/> |
| BPCM Module Temp Sensor 2                                            | 68   | °F | Sensors | <div></div> <input type="checkbox"/> |
| BPCM Module Temp Sensor 3                                            | 68   | °F | Sensors | <div></div> <input type="checkbox"/> |
| BPCM Module Temp Sensor 4                                            | 68   | °F | Sensors | <div></div> <input type="checkbox"/> |
| BPCM Module Temp Sensor 5                                            | 68   | °F | Sensors | <div></div> <input type="checkbox"/> |
| BPCM Module Temp Sensor 6                                            | 72   | °F | Sensors | <div></div> <input type="checkbox"/> |
| BPCM Module Temp Sensor 7                                            | 70   | °F | Sensors | <div></div> <input type="checkbox"/> |
| BPCM Module Temp Sensor 8                                            | 68   | °F | Sensors | <div></div> <input type="checkbox"/> |
| BPCM Module Temp Sensor 9                                            | 68   | °F | Sensors | <div></div> <input type="checkbox"/> |
| BPCM Module Temp Sensor 10                                           | 68   | °F | Sensors | <div></div> <input type="checkbox"/> |
| BPCM Module Temp Sensor 11                                           | 68   | °F | Sensors | <div></div> <input type="checkbox"/> |
| BPCM Module Temp Sensor 12                                           | 68   | °F | Sensors | <div></div> <input type="checkbox"/> |
| BPCM Board Temp sensor 5                                             | 77   | °F | Sensors | <div></div> <input type="checkbox"/> |
| BPCM Board Temp sensor 6                                             | 75   | °F | Sensors | <div></div> <input type="checkbox"/> |
| BPCM Module Temp Sensor 1                                            | 68   | °F | Sensors | <div></div> <input type="checkbox"/> |
| BPCM Module Temp Sensor 2                                            | 68   | °F | Sensors | <div></div> <input type="checkbox"/> |
| BPCM Module Temp Sensor 3                                            | 68   | °F | Sensors | <div></div> <input type="checkbox"/> |
| BPCM Module Temp Sensor 4                                            | 68   | °F | Sensors | <div></div> <input type="checkbox"/> |
| BPCM Module Temp Sensor 5                                            | 68   | °F | Sensors | <div></div> <input type="checkbox"/> |
| BPCM Module Temp Sensor 6                                            | 72   | °F | Sensors | <div></div> <input type="checkbox"/> |
| BPCM Module Temp Sensor 7                                            | 70   | °F | Sensors | <div></div> <input type="checkbox"/> |
| BPCM Module Temp Sensor 8                                            | 68   | °F | Sensors | <div></div> <input type="checkbox"/> |
| BPCM Module Temp Sensor 9                                            | 68   | °F | Sensors | <div></div> <input type="checkbox"/> |
| BPCM Module Temp Sensor 10                                           | 68   | °F | Sensors | <div></div> <input type="checkbox"/> |
| BPCM Module Temp Sensor 11                                           | 68   | °F | Sensors | <div></div> <input type="checkbox"/> |
| BPCM Module Temp Sensor 12                                           | 68   | °F | Sensors | <div></div> <input type="checkbox"/> |
| BUH Start\Post Drive Battery Temp diff vs. Drive : T < = -30         | 0    |    | events  | <div></div> <input type="checkbox"/> |
| BUH Start\Post Drive Battery Temp diff vs. Drive : -30 < T < = -23   | 0    |    | events  | <div></div> <input type="checkbox"/> |
| BUH Start\Post Drive Battery Temp diff vs. Drive : -23 < T < = -16   | 0    |    | events  | <div></div> <input type="checkbox"/> |
| BUH Start\Post Drive Battery Temp diff vs. Drive : -16< T < = -10    | 0    |    | events  | <div></div> <input type="checkbox"/> |
| BUH Start\Post Drive Battery Temp diff vs. Drive : -10< T < = 0      | 667  |    | events  | <div></div> <input type="checkbox"/> |
| BUH Start\Post Drive Battery Temp diff vs. Drive : 0< T < = 5        | 2144 |    | events  | <div></div> <input type="checkbox"/> |
| BUH Start\Post Drive Battery Temp diff vs. Drive : 0< T < = 10       | 68   |    | events  | <div></div> <input type="checkbox"/> |
| BUH Start\Post Drive Battery Temp diff vs. Drive : 10< T < = 20      | 21   |    | events  | <div></div> <input type="checkbox"/> |
| BUH Start\Post Drive Battery Temp diff vs. Drive : 20< T < = 30      | 1    |    | events  | <div></div> <input type="checkbox"/> |
| BUH Start\Post Drive Battery Temp diff vs. Drive : 30 < T            | 0    |    | events  | <div></div> <input type="checkbox"/> |
| BUH Park\Start Battery Temp differential vs. Drive : T < = -30       | 1    |    | events  | <div></div> <input type="checkbox"/> |
| BUH Park\Start Battery Temp differential vs. Drive : -30 < T < = -25 | 2    |    | events  | <div></div> <input type="checkbox"/> |
| BUH Park\Start Battery Temp differential vs. Drive : -25 < T < = -15 | 9    |    | events  | <div></div> <input type="checkbox"/> |
| BUH Park\Start Battery Temp differential vs. Drive : -15< T < = -10  | 33   |    | events  | <div></div> <input type="checkbox"/> |
| BUH Park\Start Battery Temp differential vs. Drive : 0< T < = 5      | 699  |    | events  | <div></div> <input type="checkbox"/> |
| BUH Park\Start Battery Temp differential vs. Drive : -10< T < = 0    | 2151 |    | events  | <div></div> <input type="checkbox"/> |
| BUH Park\Start Battery Temp differential vs. Drive : 0< T < = 10     | 4    |    | events  | <div></div> <input type="checkbox"/> |
| BUH Park\Start Battery Temp differential vs. Drive : 10< T < = 20    | 1    |    | events  | <div></div> <input type="checkbox"/> |
| BUH Park\Start Battery Temp differential vs. Drive : 20< T < = 30    | 1    |    | events  | <div></div> <input type="checkbox"/> |
| BUH Park\Start Battery Temp differential vs. Drive : 30 < T          | 0    |    | events  | <div></div> <input type="checkbox"/> |



BPCM

Switch ECU

Battery Pack Control Module

Flash

DTCs

Data

Misc Functions

System Tests

Actuators

Details

Configuration

Type: AllRecordUnits: ImperialFilter SelectionsGraph SelectionsAdd To Vehicle DataClear Selections0.75 sTEMP

HV Battery Reasons For Open Contactors3 items

| NAME                            | VALUE | UNIT | TYPE    |                                     |
|---------------------------------|-------|------|---------|-------------------------------------|
| Battery Overtemperature         | True  |      | Sensors | <div></div> <div></div> <div></div> |
| Module temperature differential | False |      | Sensors | <div></div> <div></div> <div></div> |
| Battery Undertemperature        | False |      | Sensors | <div></div> <div></div> <div></div> |

HV Battery Reasons For Contactors Not Closing When Commanded3 items

| NAME                            | VALUE | UNIT | TYPE    |                                     |
|---------------------------------|-------|------|---------|-------------------------------------|
| Battery Overtemperature         | False |      | Sensors | <div></div> <div></div> <div></div> |
| Module temperature differential | False |      | Sensors | <div></div> <div></div> <div></div> |
| Battery Undertemperature        | False |      | Sensors | <div></div> <div></div> <div></div> |

Ungrouped Data62 items

| NAME                                      | VALUE  | UNIT    | TYPE    |                                     |
|-------------------------------------------|--------|---------|---------|-------------------------------------|
| Temp 1 Sensor Validity (charge indicator) | Valid  |         | Sensors | <div></div> <div></div> <div></div> |
| Temp 2 Sensor Validity (OBCM temp inlet)  | Valid  |         | Sensors | <div></div> <div></div> <div></div> |
| Maximum Temp Sensor                       | 6      | No Unit | Sensors | <div></div> <div></div> <div></div> |
| Minimum Temp Sensor                       | 10     | No Unit | Sensors | <div></div> <div></div> <div></div> |
| Max Cell Temp                             | 72     | °F      | Sensors | <div></div> <div></div> <div></div> |
| Min Cell Temp                             | 68     | °F      | Sensors | <div></div> <div></div> <div></div> |
| Battery Cooling Inlet Temp                | 81     | °F      | Sensors | <div></div> <div></div> <div></div> |
| Battery Inlet Temp Sensor volts           | 2.7255 | Volts   | Sensors | <div></div> <div></div> <div></div> |
| Battery outlet Temp                       | 117    | °F      | Sensors | <div></div> <div></div> <div></div> |
| Battery outlet Temp Sensor Volts          | 2.1177 | Volts   | Sensors | <div></div> <div></div> <div></div> |
| Radiator Inlet Temp                       | 32     | °F      | Sensors | <div></div> <div></div> <div></div> |
| Radiator Inlet Temp Sensor Volts          | 0.0000 | Volts   | Sensors | <div></div> <div></div> <div></div> |
| BPCM Board Temp sensor 1                  | 81     | °F      | Sensors | <div></div> <div></div> <div></div> |
| BPCM Board Temp sensor 2                  | 81     | °F      | Sensors | <div></div> <div></div> <div></div> |
| BPCM Board Temp sensor 3                  | 79     | °F      | Sensors | <div></div> <div></div> <div></div> |
| BPCM Board Temp sensor 4                  | 77     | °F      | Sensors | <div></div> <div></div> <div></div> |
| BPCM Module Temp Sensor 1                 | 68     | °F      | Sensors | <div></div> <div></div> <div></div> |
| BPCM Module Temp Sensor 2                 | 68     | °F      | Sensors | <div></div> <div></div> <div></div> |
| BPCM Module Temp Sensor 3                 | 70     | °F      | Sensors | <div></div> <div></div> <div></div> |
| BPCM Module Temp Sensor 4                 | 68     | °F      | Sensors | <div></div> <div></div> <div></div> |
| BPCM Module Temp Sensor 5                 | 68     | °F      | Sensors | <div></div> <div></div> <div></div> |
| BPCM Module Temp Sensor 6                 | 72     | °F      | Sensors | <div></div> <div></div> <div></div> |

S809480

↑ Top

|                                                                      |      |        |         |                                     |
|----------------------------------------------------------------------|------|--------|---------|-------------------------------------|
| BPCM Module Temp Sensor 9                                            | 68   | °F     | Sensors | <div></div> <div></div> <div></div> |
| BPCM Module Temp Sensor 10                                           | 68   | °F     | Sensors | <div></div> <div></div> <div></div> |
| BPCM Module Temp Sensor 11                                           | 68   | °F     | Sensors | <div></div> <div></div> <div></div> |
| BPCM Module Temp Sensor 12                                           | 68   | °F     | Sensors | <div></div> <div></div> <div></div> |
| BPCM Board Temp sensor 5                                             | 77   | °F     | Sensors | <div></div> <div></div> <div></div> |
| BPCM Board Temp sensor 6                                             | 77   | °F     | Sensors | <div></div> <div></div> <div></div> |
| BPCM Module Temp Sensor 1                                            | 68   | °F     | Sensors | <div></div> <div></div> <div></div> |
| BPCM Module Temp Sensor 2                                            | 68   | °F     | Sensors | <div></div> <div></div> <div></div> |
| BPCM Module Temp Sensor 3                                            | 70   | °F     | Sensors | <div></div> <div></div> <div></div> |
| BPCM Module Temp Sensor 4                                            | 68   | °F     | Sensors | <div></div> <div></div> <div></div> |
| BPCM Module Temp Sensor 5                                            | 68   | °F     | Sensors | <div></div> <div></div> <div></div> |
| BPCM Module Temp Sensor 6                                            | 72   | °F     | Sensors | <div></div> <div></div> <div></div> |
| BPCM Module Temp Sensor 7                                            | 70   | °F     | Sensors | <div></div> <div></div> <div></div> |
| BPCM Module Temp Sensor 8                                            | 68   | °F     | Sensors | <div></div> <div></div> <div></div> |
| BPCM Module Temp Sensor 9                                            | 68   | °F     | Sensors | <div></div> <div></div> <div></div> |
| BPCM Module Temp Sensor 10                                           | 68   | °F     | Sensors | <div></div> <div></div> <div></div> |
| BPCM Module Temp Sensor 11                                           | 68   | °F     | Sensors | <div></div> <div></div> <div></div> |
| BPCM Module Temp Sensor 12                                           | 68   | °F     | Sensors | <div></div> <div></div> <div></div> |
| BUH Start\Post Drive Battery Temp diff vs. Drive : T < = -30         | 0    | events | Sensors | <div></div> <div></div> <div></div> |
| BUH Start\Post Drive Battery Temp diff vs. Drive : -30 < T < = -23   | 0    | events | Sensors | <div></div> <div></div> <div></div> |
| BUH Start\Post Drive Battery Temp diff vs. Drive : -23 < T < = -16   | 0    | events | Sensors | <div></div> <div></div> <div></div> |
| BUH Start\Post Drive Battery Temp diff vs. Drive : -16< T < = -10    | 0    | events | Sensors | <div></div> <div></div> <div></div> |
| BUH Start\Post Drive Battery Temp diff vs. Drive : -10< T < = 0      | 667  | events | Sensors | <div></div> <div></div> <div></div> |
| BUH Start\Post Drive Battery Temp diff vs. Drive : 0< T < = 5        | 2144 | events | Sensors | <div></div> <div></div> <div></div> |
| BUH Start\Post Drive Battery Temp diff vs. Drive : 0< T < = 10       | 68   | events | Sensors | <div></div> <div></div> <div></div> |
| BUH Start\Post Drive Battery Temp diff vs. Drive : 10< T < = 20      | 21   | events | Sensors | <div></div> <div></div> <div></div> |
| BUH Start\Post Drive Battery Temp diff vs. Drive : 20< T < = 30      | 1    | events | Sensors | <div></div> <div></div> <div></div> |
| BUH Start\Post Drive Battery Temp diff vs. Drive : 30 < T            | 0    | events | Sensors | <div></div> <div></div> <div></div> |
| BUH Park\Start Battery Temp differential vs. Drive : T < = -30       | 1    | events | Sensors | <div></div> <div></div> <div></div> |
| BUH Park\Start Battery Temp differential vs. Drive : -30 < T < = -25 | 2    | events | Sensors | <div></div> <div></div> <div></div> |
| BUH Park\Start Battery Temp differential vs. Drive : -25 < T < = -15 | 9    | events | Sensors | <div></div> <div></div> <div></div> |
| BUH Park\Start Battery Temp differential vs. Drive : -15< T < = -10  | 33   | events | Sensors | <div></div> <div></div> <div></div> |
| BUH Park\Start Battery Temp differential vs. Drive : 0< T < = 5      | 699  | events | Sensors | <div></div> <div></div> <div></div> |
| BUH Park\Start Battery Temp differential vs. Drive : -10< T < = 0    | 2151 | events | Sensors | <div></div> <div></div> <div></div> |
| BUH Park\Start Battery Temp differential vs. Drive : 0< T < = 10     | 4    | events | Sensors | <div></div> <div></div> <div></div> |
| BUH Park\Start Battery Temp differential vs. Drive : 10< T < = 20    | 1    | events | Sensors | <div></div> <div></div> <div></div> |
| BUH Park\Start Battery Temp differential vs. Drive : 20< T < = 30    | 1    | events | Sensors | <div></div> <div></div> <div></div> |
| BUH Park\Start Battery Temp differential vs. Drive : 30 < T          | 0    | events | Sensors | <div></div> <div></div> <div></div> |



Battery Pack Control Module

- Flash
- DTCs
- Data
- Misc Functions
- System Tests
- Actuators
- Details
- Configuration

Type: All  Record  Units: Imperial  Filter Selections  Graph Selections  Add To Vehicle Data  Clear Selections  0.75 s TEMP 

HV Battery Reasons For Open Contactors3 items

| NAME                            | VALUE | UNIT | TYPE    |                                                                                                                                                                                                                                                             |
|---------------------------------|-------|------|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Battery Overtemperature         | True  |      | Sensors |    |
| Module temperature differential | False |      | Sensors |    |
| Battery Undertemperature        | False |      | Sensors |    |

HV Battery Reasons For Contactors Not Closing When Commanded3 items

| NAME                            | VALUE | UNIT | TYPE    |                                                                                                                                                                                                                                                             |
|---------------------------------|-------|------|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Battery Overtemperature         | False |      | Sensors |    |
| Module temperature differential | False |      | Sensors |    |
| Battery Undertemperature        | False |      | Sensors |    |

Ungrouped Data62 items

| NAME                                      | VALUE  | UNIT    | TYPE    |                                                                                                                                                                                                                                                                   |
|-------------------------------------------|--------|---------|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Temp 1 Sensor Validity (charge indicator) | Valid  |         | Sensors |       |
| Temp 2 Sensor Validity (OBCM temp inlet)  | Valid  |         | Sensors |    |
| Maximum Temp Sensor                       | 6      | No Unit | Sensors |    |
| Minimum Temp Sensor                       | 10     | No Unit | Sensors |    |
| Max Cell Temp                             | 72     | °F      | Sensors |    |
| Min Cell Temp                             | 68     | °F      | Sensors |    |
| Battery Cooling Inlet Temp                | 81     | °F      | Sensors |    |
| Battery Inlet Temp Sensor volts           | 2.7255 | Volts   | Sensors |    |
| Battery outlet Temp                       | 117    | °F      | Sensors |    |
| Battery outlet Temp Sensor Volts          | 2.1373 | Volts   | Sensors |    |
| Radiator Inlet Temp                       | 32     | °F      | Sensors |    |
| Radiator Inlet Temp Sensor Volts          | 0.0000 | Volts   | Sensors |    |
| BPCM Board Temp sensor 1                  | 81     | °F      | Sensors |    |
| BPCM Board Temp sensor 2                  | 81     | °F      | Sensors |    |
| BPCM Board Temp sensor 3                  | 79     | °F      | Sensors |    |
| BPCM Board Temp sensor 4                  | 77     | °F      | Sensors |    |
| BPCM Module Temp Sensor 1                 | 68     | °F      | Sensors |    |
| BPCM Module Temp Sensor 2                 | 68     | °F      | Sensors |    |
| BPCM Module Temp Sensor 3                 | 70     | °F      | Sensors |    |
| BPCM Module Temp Sensor 4                 | 68     | °F      | Sensors |    |
| BPCM Module Temp Sensor 5                 | 68     | °F      | Sensors |    |
| BPCM Module Temp Sensor 6                 | 72     | °F      | Sensors |    |
| BPCM Module Temp Sensor 7                 | 70     | °F      | Sensors |    |
| BPCM Module Temp Sensor 8                 | 68     | °F      | Sensors |    |
| BPCM Module Temp Sensor 9                 | 68     | °F      | Sensors |    |
| BPCM Module Temp Sensor 10                | 68     | °F      | Sensors |    |
| BPCM Module Temp Sensor 11                | 68     | °F      | Sensors |    |
| BPCM Module Temp Sensor 12                | 68     | °F      | Sensors |    |
| BPCM Board Temp sensor 5                  | 77     | °F      | Sensors |    |
| BPCM Board Temp sensor 6                  | 77     | °F      | Sensors |    |
| BPCM Module Temp Sensor 1                 | 70     | °F      | Sensors |    |
| BPCM Module Temp Sensor 2                 | 68     | °F      | Sensors |    |
| BPCM Module Temp Sensor 3                 | 70     | °F      | Sensors |    |
| BPCM Module Temp Sensor 4                 | 68     | °F      | Sensors |    |
| BPCM Module Temp Sensor 5                 | 68     | °F      | Sensors |    |

|                                                                      |      |    |         |                                                                                                                                                                                                                                                                   |
|----------------------------------------------------------------------|------|----|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| BPCM Module Temp Sensor 7                                            | 70   | °F | Sensors |    |
| BPCM Module Temp Sensor 8                                            | 68   | °F | Sensors |    |
| BPCM Module Temp Sensor 9                                            | 70   | °F | Sensors |    |
| BPCM Module Temp Sensor 10                                           | 68   | °F | Sensors |    |
| BPCM Module Temp Sensor 11                                           | 68   | °F | Sensors |    |
| BPCM Module Temp Sensor 12                                           | 68   | °F | Sensors |    |
| BUH Start\Post Drive Battery Temp diff vs. Drive : T < = -30         | 0    |    | events  |    |
| BUH Start\Post Drive Battery Temp diff vs. Drive : -30 < T < = -23   | 0    |    | events  |    |
| BUH Start\Post Drive Battery Temp diff vs. Drive : -23 < T < = -16   | 0    |    | events  |    |
| BUH Start\Post Drive Battery Temp diff vs. Drive : -16< T < = -10    | 0    |    | events  |    |
| BUH Start\Post Drive Battery Temp diff vs. Drive : -10< T < = 0      | 667  |    | events  |    |
| BUH Start\Post Drive Battery Temp diff vs. Drive : 0< T < = 5        | 2144 |    | events  |    |
| BUH Start\Post Drive Battery Temp diff vs. Drive : 0< T < = 10       | 68   |    | events  |    |
| BUH Start\Post Drive Battery Temp diff vs. Drive : 10< T < = 20      | 21   |    | events  |    |
| BUH Start\Post Drive Battery Temp diff vs. Drive : 20< T < = 30      | 1    |    | events  |    |
| BUH Start\Post Drive Battery Temp diff vs. Drive : 30 < T            | 0    |    | events  |    |
| BUH Park\Start Battery Temp differential vs. Drive : T < = -30       | 1    |    | events  |    |
| BUH Park\Start Battery Temp differential vs. Drive : -30 < T < = -25 | 2    |    | events  |    |
| BUH Park\Start Battery Temp differential vs. Drive : -25 < T < = -15 | 9    |    | events  |    |
| BUH Park\Start Battery Temp differential vs. Drive : -15< T < = -10  | 33   |    | events  |    |
| BUH Park\Start Battery Temp differential vs. Drive : 0< T < = 5      | 699  |    | events  |    |
| BUH Park\Start Battery Temp differential vs. Drive : -10< T < = 0    | 2151 |    | events  |    |
| BUH Park\Start Battery Temp differential vs. Drive : 0< T < = 10     | 4    |    | events  |    |
| BUH Park\Start Battery Temp differential vs. Drive : 10< T < = 20    | 1    |    | events  |    |
| BUH Park\Start Battery Temp differential vs. Drive : 20< T < = 30    | 1    |    | events  |    |
| BUH Park\Start Battery Temp differential vs. Drive : 30 < T          | 0    |    | events  |    |