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## CONFIGURATION REPORT

**Vehicle** 2020 CHRYSLER PACIFICA (PHEV) 3.6L V6 HYBRID ENGINE  
**VIN** 2C4RC1N75L [REDACTED]

**Odometer** 12175.1 miles  
**Publication Date** Sep 9, 2022, 3:34:03 PM

## ECU SUMMARY INFO

| ECU   | NAME                           | BUS TYPE | FLASH PART # | CURRENT              | ORIGINAL VIN | PART #     |
|-------|--------------------------------|----------|--------------|----------------------|--------------|------------|
| PCM   | Powertrain Control Module      | CAN-C    | 68444228AE   | 2C4RC1N7             | 2C4RC1N7     | 68444228AE |
| ICS   | Integrated Center Stack        | CAN-I    | 6UX621X8AA   | 2C4RC1N7             | 2C4RC1N7     | 6UX621X8AA |
| RFH   | Radio Frequency Hub            | CAN-C    | 68453559AB   | 2C4RC1N7             | 2C4RC1N7     | 68453559AB |
| ESM   | Electronic Shifter             | CAN-C    | 68240089AM   | 2C4RC1N7             | 2C4RC1N7     | 68240089AM |
| ORC   | Occupant Restraint             | CAN-C    | 68453076AD   | 2C4RC1N7             | 2C4RC1N7     | 68453076AD |
| EPS   | Electric Power Steering        | CAN-C    | 68460392AA   | 2C4RC1N7             | 2C4RC1N7     | 68460392AA |
| HVAC  | Heat, Ventilation and A/C      | CAN-I    | 68447893AC   | 2C4RC1N7             | 2C4RC1N7     | 68447893AC |
| DDM   | Driver Door Module             | CAN-I    | 68424449AC   | 2C4RC1N7             | 2C4RC1N7     | 68424449AC |
| PDM   | Passenger Door Module          | CAN-I    | 68424448AC   | 2C4RC1N7             | 2C4RC1N7     | 68424448AC |
| DMRL  | Door Module Rear Left          | CAN-I    | 68225096AG   | 2C4RC1N7             | 2C4RC1N7     | 68225096AG |
| DMRR  | Door Module Rear Right         | CAN-I    | 68225096AG   | 2C4RC1N7             | 2C4RC1N7     | 68225096AG |
| PSDML | Power Sliding Doors (Left)     | CAN-I    | 68369596AD   | 2C4RC1N7             | 2C4RC1N7     | 68369596AD |
| PSDMR | Power Sliding Doors (Right)    | CAN-I    | 68369596AD   | 2C4RC1N7             | 2C4RC1N7     | 68369596AD |
| MSM   | Memory Seat Module             | CAN-I    | 68321862AC   | 2C4RC1N7             | 2C4RC1N7     | 68321862AC |
| PLGM  | Power Liftgate                 | CAN-I    | 68316094AF   | 2C4RC1N7             | 2C4RC1N7     | 68316094AF |
| CSWM  | Comfort Seat Wheel Module      | CAN-I    | 68434912AC   | 2C4RC1N7             | 2C4RC1N7     | 68434912AC |
| AMP   | Amplifier                      | CAN-I    | 68448067AA   | 2C4RC1N7             | 2C4RC1N7     | 68448067AA |
| IPC   | Instrument Panel Cluster       | CAN-C    | 68434956AC   | 2C4RC1N7             | 2C4RC1N7     | 68434956AC |
| PTS   | Parktronics                    | CAN-C    | 68193775AJ   | 2C4RC1N7             | 2C4RC1N7     | 68193775AJ |
| SCCM  | Steering Column Control Module | CAN-C    | 68360889AD   | 2C4RC1N7             | 2C4RC1N7     | 68360889AD |
| BCM   | Body Controller                | CAN-C    | 68424601AE   | 2C4RC1N75 [REDACTED] | 2C4RC1N7     | 68424601AE |



|       |                                    |       |            |            |            |            |
|-------|------------------------------------|-------|------------|------------|------------|------------|
| ACC   | Adaptive Cruise Control            | CAN-C | 68540436AB | 2C4RC1N75L | 2C4RC1N75L | 68540436AB |
| RADIO | Radio                              | CAN-I | 68461768AD | 2C4RC1     | 2C4RC1N75L | 68461768AD |
| OCM   | Occupant Classification            | CAN-C | 68403127AA | 2C4RC1N75L | 2C4RC1N75L | 68403127AA |
| HVACR | Heat, Ventilation and A/C Rear     | CAN-I | 68373079AB | 2C4RC1N75L | 2C4RC1N75L | 68373079AB |
| LBSS  | Left Blind Spot Sensor             | CAN-I | 04672786AB | 2C4RC1N75L | 2C4RC1N75L | 04672786AB |
| RBSS  | Right Blind Spot Sensor            | CAN-I | 04672786AB | 2C4RC1N75L | 2C4RC1N75L | 04672786AB |
| FFCM  | Forward Facing Camera Module       | CAN-C | 68493395AA | 2C4RC1N75L | 2C4RC1N75L | 68493395AA |
| EDM   | External Disc Module               | CAN-I | 68378304AA | 2C4RC1N75L | 2C4RC1N75L | 68378304AA |
| APM   | Accessory Power Module             | CAN-C | 05185046AB | 2C4RC1N75L | 2C4RC1N75L | 05185046AB |
| BPCM  | Battery Pack Control Module        | CAN-C | 05193166AF | 2C4RC1N75L | 2C4RC1N75L | 05193166AF |
| HCP   | Hybrid Control Processor           | CAN-C | 05190265AG | 2C4RC1N75L | 2C4RC1N75L | 05190265AG |
| OBCM  | On Board Charging Module           | CAN-C | 05185047AE | 2C4RC1N75L | 2C4RC1N75L | 05185047AE |
| MSMP  | Memory Seat Module - Passenger     | CAN-I | 68321862AC | 2C4RC1N75L | 2C4RC1N75L | 68321862AC |
| DSM   | Display Screen Module              | CAN-I | 68316174AC | 2C4RC1N75L | 2C4RC1N75L | 68316174AC |
| VRM   | Video Routing Module               | CAN-I | 68376134AG | 2C4RC1N75L | 2C4RC1N75L | 68376134AG |
| RCCC  | Rear Cabin Comfort Controls        | CAN-I | 6WL30DX9AA | 2C4RC1N75L | 2C4RC1N75L | 6WL30DX9AA |
| CVPM  | Central vision processing module   | CAN-I | 68375113AB | 2C4RC1N75L | 2C4RC1N75L | 68375113AB |
| EAC   | Electric A/C Compressor            | CAN-C | 68237995AG | 2C4RC1N75L | 2C4RC1N75L | 68237995AG |
| AHCP  | Auxiliary Hybrid Control Processor | CAN-C | 05190266AG | 2C4RC1N75L | 2C4RC1N75L | 05190266AG |
| EBBM  | Electronic Brake Booster Module    | CAN-C | 68461813AB | 2C4RC1N75L | 2C4RC1N75L | 68461813AB |
| ABSO  | Anti Lock Brakes OBD               | CAN-C | 68471122AD | 2C4RC1N75L | 2C4RC1N75L | 68471122AD |
| SGW   | Security Gateway Module            | CAN-C | 68447193AB |            | 2C4RC1N75L | 68447193AB |

## ECU SUMMARY INFO (CONT...)

| ECU | COUNTRY CODE | HARDWARE VERSION | SOFTWARE VERSION | IDENT |
|-----|--------------|------------------|------------------|-------|
| PCM | USA          | 1B 47            | 46 03 01         | 4419  |
| ICS | USA          | 0F 0C 00         | 12 25 00         | 4700  |
| RFH | USA / USA    | 10 17 00         | 13 09 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 | 13 05 01 | 4401 |
| DDM   | USA       | 11 07 00 | 13 0B 00 | 4202 |
| PDM   | USA       | 11 07 00 | 13 0B 00 | 4202 |
| DMRL  | USA / USA | 10 0B 00 | 12 0C 00 | 4201 |
| DMRR  | USA / USA | 10 0B 00 | 12 0C 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 |
| PLGM  | USA       | 17 19 00 | 18 22 00 | 4202 |
| CSWM  | USA       | 11 2A 00 | 13 2C 00 | 4302 |
| AMP   | USA       | 0F 06 01 | 12 2E 01 | 4021 |
| IPC   | USA / USA | 12 06 00 | 13 27 00 | 4704 |
| PTS   | USA       | 0E 32 00 | 12 1F 00 | 4311 |
| SCCM  | USA       | 13 28 00 | 13 29 00 | 4301 |
| BCM   | USA       | 0D 11 00 | 13 2C 90 | 4415 |
| ACC   | USA / USA | 14 12 01 | 15 13 01 | 4400 |
| RADIO | USA       | 13 31 14 | 13 31 14 | 8205 |
| 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  |           | 0E 03 00 | 14 17 00 | 4005 |
| HCP   | USA       | 11 1F 04 | 19 48 01 | 4005 |
| OBCM  | USA       | 0F 0D 00 | 12 02 00 | 4002 |
| MSMP  | USA       | 0F 2B 00 | 10 27 03 | 4001 |
| DSM   | USA / USA | 13 29 00 | 12 23 00 | 4000 |
| VRM   | USA / USA | 0F 1C 00 | 13 26 11 | 4001 |
| RCCC  | USA       | 0F 1D 00 | 13 04 00 | 4000 |
| CVPM  | USA / USA | 11 32 01 | 12 33 00 | 4003 |
| EAC   | USA       | 0E 34 00 | 12 0F 00 | 4102 |
| AHCP  | USA       | 11 1F 04 | 19 48 01 | 4000 |
| EBBM  | USA       | 0E 19 02 | 14 0D 18 | 4000 |
| ABSO  | USA       | 0E 15 02 | 14 1B 26 | 4201 |
| SGW   |           | 5        | 779      | 4103 |

## CONFIGURATION

### PCM CONFIGURATION

| NAME                 | VALUE | UNITS |
|----------------------|-------|-------|
| AC Equipped          | False |       |
| AC Equipped Over Bus | False |       |

|                                                   |       |  |
|---------------------------------------------------|-------|--|
| Power Steering Switch Equipped                    | False |  |
| 4 Button Integrated Cruise Control                | False |  |
| EMAT (Getrag DCT transmission) Equipped           | False |  |
| Vehicle Speed Sensor #1 Calculated from CAN       | False |  |
| Police Package Equipped                           | False |  |
| Unleaded Gasoline Fuel                            | True  |  |
| Unleaded diesel fuel                              | False |  |
| 6.4 Liter V8 Engine                               | False |  |
| 4 Speed Automatic Transmission Equipped           | False |  |
| Electronic Automatic Transmission (EATX) Equipped | False |  |
| Vehicle Speed Sensor #1 Calculated by ECU         | False |  |
| 4.7 Liter V8 Engine                               | False |  |
| 5.7 Liter V8 Engine                               | False |  |
| 6.1 Liter V8 Engine                               | False |  |
| Sensorless FFV Enabled                            | False |  |
| Electronic Throttle Control Equipped              | True  |  |
| 3.6 Liter V6 Engine                               | True  |  |
| 4.0 Liter I6 Engine                               | False |  |
| 3.8 Liter V6 Engine                               | False |  |
| 3.7 Liter V6 Engine                               | False |  |
| 3.5 Liter V6 Engine                               | False |  |
| 3.3 Liter V6 Engine                               | False |  |
| 3.2 Liter V6 Engine                               | False |  |
| 2.7 Liter V6 Engine                               | False |  |
| MTV Solenoid Equipped                             | False |  |
| MDS Equipped                                      | False |  |
| Turbocharger Equipped                             | False |  |
| SRV Equipped                                      | False |  |
| Secondary Air Equipped                            | False |  |
| Shift Indicator Lamp Equipped                     | False |  |
| Barometric Sensor Equipped                        | False |  |
| TIP Equipped                                      | False |  |
| Battery Temp Sensor Equipped                      | False |  |
| Knock Sensor 1 Equipped                           | True  |  |
| Knock Sensor 2 Equipped                           | True  |  |
| WI4 Variable Valve Timing Equipped                | True  |  |
| Clutch Interlock Switch Equipped                  | False |  |
| ESIM Equipped                                     | False |  |
| Linear Purge Equipped                             | False |  |
| Linear EGR Equipped                               | False |  |
| Continuous Variable Transmission Equipped         | False |  |
| Direct Injection Equipped                         | False |  |
| Secondary Fuel Pump Equipped                      | False |  |
| Electronic Coolant Pump Equipped                  | False |  |

|                                               |       |  |
|-----------------------------------------------|-------|--|
| O2 Sensor Bank 1 Sensor 1 Equipped            | True  |  |
| O2 Sensor Bank 1 Sensor 2 Equipped            | True  |  |
| O2 Sensor Bank 1 Sensor 3 Equipped            | False |  |
| O2 Sensor Bank 2 Sensor 1 Equipped            | True  |  |
| O2 Sensor Bank 2 Sensor 2 Equipped            | True  |  |
| Variable Displacement AC Equipped             | False |  |
| Fixed displacement AC Equipped                | True  |  |
| WI4 Intake Flow Control Valve Equipped        | False |  |
| Electric Coolant Valve Equipped               | False |  |
| Engine Oil Heater Cooler Equipped             | True  |  |
| Transmission Oil Heater Equipped              | False |  |
| Electric Water Pump Equipped                  | False |  |
| Rear Heater Equipped                          | False |  |
| Starter Relay 2 Equipped                      | False |  |
| Inrush Current Reduction Relay Equipped       | False |  |
| Active Grille Shutter Equipped                | False |  |
| Electronic Vacuum Pump Equipped               | False |  |
| Wide Range O2 Sensor 1/1 Equipped             | False |  |
| Wide Range O2 Sensor 2/1 Equipped             | False |  |
| MultiAir Equipped                             | False |  |
| Engine Stop Start Equipped                    | False |  |
| Viscosity Sensor Equipped                     | False |  |
| Duty Cycle Purge Valve Equipped               | True  |  |
| Electric Thermostat Heater Equipped           | False |  |
| Exhaust Cam 1 Equipped                        | True  |  |
| Intake Cam 1 Equipped                         | True  |  |
| 1.8 Liter WI4 engine                          | False |  |
| 2.0 Liter WI4 engine                          | False |  |
| 2.4 Liter WI4 engine                          | False |  |
| 3.0 Liter V6 Engine                           | False |  |
| Tumble Generator Valve Equipped               | False |  |
| Hybrid Electric Vehicle Equipped              | True  |  |
| Auxiliary Heater Electric Water Pump Equipped | False |  |
| Dual Speed Fuel Pump Equipped                 | False |  |
| Exhaust Cam 2 Equipped                        | True  |  |
| Intake Cam 2 Equipped                         | True  |  |
| 1 Speed Fan Mechanical Relay System Equipped  | False |  |
| 2 Speed Fan Mechanical Relay System Equipped  | False |  |
| 2 Speed Fan PWM Relay System Equipped         | False |  |
| Linear PWM Fan Relay System Equipped          | False |  |
| PWM Fan Motor System Equipped                 | True  |  |
| 3 Speed Fan Mechanical Relay System Equipped  | False |  |
| Fan Wake Up Relay System Equipped             | False |  |
| 2 Speed Fan 3 Driver 3 Relay System Equipped  | False |  |

|                                                    |           |  |
|----------------------------------------------------|-----------|--|
| 40TE / 41TE / 41TEA                                | False     |  |
| 42RLE                                              | False     |  |
| 45RFE / 545RFE / 65RFE                             | False     |  |
| 62TE                                               | False     |  |
| 66RFE / 68RFE                                      | False     |  |
| VLP Is Learnable Indicator                         | False     |  |
| VLP Equipped Indicator                             | False     |  |
| VFS Actuators Available Indicator                  | False     |  |
| ERS Equipped Indicator                             | False     |  |
| Engine Software In Package                         | True      |  |
| Transmission Software Included                     | False     |  |
| ICC Cruise Equipped                                | False     |  |
| ETC Cruise equipped                                | False     |  |
| Adaptive Cruise Control Equipped                   | True      |  |
| A/C Equipped                                       | True      |  |
| Adaptive Cruise Control Hardware Equipped          | False     |  |
| DUAL_ALTERNATOR_GEN1_LEARNEDCOPY                   | False     |  |
| TOOLCONFIG_OIL_PRESS_ABS_EQUIPPED                  | True      |  |
| GPEC2 Equipped                                     | False     |  |
| GPEC2A Equipped                                    | True      |  |
| GPEC3 Equipped                                     | False     |  |
| Cummins Equipped                                   | False     |  |
| GPEC4 Equipped                                     | False     |  |
| VMM Equipped                                       | False     |  |
| Powernet Equipped                                  | True      |  |
| CUSW (29-Bit) Equipped                             | False     |  |
| CUSW (11-Bit) Equipped                             | False     |  |
| Fiat 940 Compact Equipped                          | False     |  |
| Next Gen Bus Equipped                              | False     |  |
| Constant Heater Temperature Control Valve Equipped | False     |  |
| High Side Port Tumble Valve Equipped               | Undefined |  |
| CMCV H-Bridge Equipped                             | Undefined |  |
| Turbine Volute Valve Actuator Equipped             | Undefined |  |
| Wastegate H-Bridge Equipped                        | Undefined |  |
| Active Exhaust Valve Equipped                      | False     |  |
| Active Exhaust Pressure Sensor Equipped            | False     |  |
| Engine Idle Shutoff Equipped                       | False     |  |
| Aisin 6-Speed RWD Transmission Equipped            | False     |  |
| Cooled EGR Equipped                                | False     |  |
| Supercharger Equipped                              | False     |  |
| Low Temperature Radiator Coolant Pump Equipped     | False     |  |
| Mechanical Coolant Pump Heater Equipped            | False     |  |
| Auxiliary Coolant Pump Heater Equipped             | Undefined |  |
| Compressed Natural Gas Equipped                    | False     |  |

|                                                                    |                                  |  |
|--------------------------------------------------------------------|----------------------------------|--|
| CUSW PROXI Write Programming Support Enabled                       | False                            |  |
| Active Engine Mount Equipped                                       | False                            |  |
| ZF 9-Speed Transmission Equipped                                   | False                            |  |
| HPT 6-Speed Transmission Equipped                                  | False                            |  |
| Variable Speed Fuel Pump Equipped                                  | True                             |  |
| Operator Idle Speed Request Equipped                               | False                            |  |
| PTO System Equipped                                                | False                            |  |
| Air Shutoff Valve Bank 1 Control Solenoid 1 Equipped               | False                            |  |
| Air Shutoff Valve Bank 1 Control Solenoid 2 Equipped               | False                            |  |
| Air Shutoff Valve Bank 2 Control Solenoid 2 Equipped               | False                            |  |
| Dual Stage Oil Pump Equipped                                       | True                             |  |
| Auxiliary Coolant Pump Equipped                                    | False                            |  |
| Trans Skip Shift Equipped                                          | False                            |  |
| Trans Reverse Lockout Equipped                                     | False                            |  |
| Port Flap Valve Equipped                                           | False                            |  |
| Brushless PWM Fan Equipped                                         | NOT_FAN_PWM_BOSCH_BRUSHLESS_CNFG |  |
| 6.2 Liter V8 Engine                                                | False                            |  |
| Primary Lin Alternator Equipped                                    | False                            |  |
| Coolant On-Off Pump Equipped                                       | False                            |  |
| Oil Pressure Sensor Enabled                                        | True                             |  |
| Fiat VIN Learning Strategy Equipped                                | False                            |  |
| Dual Fuel Tank Equipped                                            | False                            |  |
| Yaw Rate Sensor ESC Equipped                                       | False                            |  |
| 1.0 Liter I3 Engine                                                | False                            |  |
| Coolant On-Off Valve Equipped                                      | False                            |  |
| Buffered Crank Output for ANC (Active Noise Cancellation) Equipped | True                             |  |
| Buffered Crank Output for PHEV Engine Pulse Calculation Equipped   | True                             |  |
| Throttle Inlet Temp Sensor Equipped                                | False                            |  |
| Humidity, Temperature and Pressure Sensor (LIN) Equipped           | False                            |  |
| Dual Fuel Pressure Sensor Equipped                                 | False                            |  |
| Brake Pedal Sensor Equipped                                        | False                            |  |
| Dual Fuel Tank Equipped                                            | False                            |  |
| PTO System Equipped                                                | False                            |  |
| Low Temp Radiator Coolant Pump Equipped                            | False                            |  |
| Engine Idle Shutoff Equipped                                       | False                            |  |
| A/C Relay Powered from Engine Switched Battery                     | False                            |  |
| CNG Large Gas Tank Equipped                                        | False                            |  |
| Cooled EGR Equipped                                                | False                            |  |
| Supercharger Equipped                                              | False                            |  |
| Hybrid MEC Shifter Equipped                                        | False                            |  |
| Dual Alternator Gen1 Capable                                       | False                            |  |
| Auxillary Coolant Pump Equipped                                    | False                            |  |
| ZF 9-Speed Trans Equipped                                          | False                            |  |
| HPT 6-Speed Trans Equipped                                         | False                            |  |

|                                                  |              |      |
|--------------------------------------------------|--------------|------|
| CUSW 4-Button Cruise Equipped                    | False        |      |
| Power Steering Angle Sensor Mandatory            | False        |      |
| Throttle Inlet Temp Sensor Equipped              | False        |      |
| LIN Humidity, Temp, and Pressure Sensor Equipped | False        |      |
| Dual Fuel Pressure Sensor Equipped               | False        |      |
| Brake Pedal Sensor Equipped                      | False        |      |
| Clutch Sensor Equipped                           | False        |      |
| SWAP HARDWIRED BRAKE SWITCH INPUTS               | False        |      |
| Mass Airflow System Equipped                     | False        |      |
| Bi-Directional Crank Sensor Equipped             | True         |      |
| 5 Button Cruise (LIN) Equipped                   | True         |      |
| Operator Idle Speed Request Equipped             | False        |      |
| INTAKE O2 SENSOR EQUIPPED                        | False        |      |
| Cylinder Pressure Sensor Equipped                | False        |      |
| Make Up Air Sensor Equipped                      | False        |      |
| Active Exhaust Pressure Sensor Equipped          | False        |      |
| Secondary Mass Airflow Sensor Equipped           | False        |      |
| 1.0 Liter I3 Engine                              | False        |      |
| 2.0 Liter I4 Direct Injection Engine             | False        |      |
| Variable Valve Lift Equipped                     | Not Equipped |      |
| Coolant On-Off Pump Equipped                     | Not Equipped |      |
| Primary Lin Alternator Equipped                  | Not Equipped |      |
| Electronic Parking Brake Equipped                | True         |      |
| Active Exhaust Valve(s) Equipped                 | False        |      |
| Mechanical Coolant Pump Equipped                 | False        |      |
| Aux Coolant Pump Heater Equipped                 | False        |      |
| Heater Temp Control Valve Equipped               | False        |      |
| High Side Port Tumble Valve Equipped             | False        |      |
| Wastegate HBridge Equipped                       | False        |      |
| Remote Start Present                             | Present      |      |
| Engine Oil Pressure Sensor Type                  | 255          | None |

## ICS CONFIGURATION

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

## RFH CONFIGURATION

| NAME                        | VALUE | UNITS |
|-----------------------------|-------|-------|
| PIN Successfully Programmed | Yes   |       |
| VIN Successfully Programmed | Yes   |       |
| Valid Key In Ignition       | Yes   |       |
| KeySense Configuration      | True  |       |

|                                                     |                              |  |
|-----------------------------------------------------|------------------------------|--|
| Keyless Go                                          | True                         |  |
| Ignition system type connected                      | KIN system                   |  |
| TPM Auto-Locate Enabled                             | True                         |  |
| e-shifter present                                   | True                         |  |
| Auto Park Present                                   | True                         |  |
| Secret Codes Programmed                             | True                         |  |
| Passive Entry                                       | True                         |  |
| Premium TPM                                         | True                         |  |
| Base TPM                                            | False                        |  |
| RKE                                                 | True                         |  |
| Module Configuration Status                         | True                         |  |
| Remote Start Present                                | True                         |  |
| Hybrid Type                                         | PHEV                         |  |
| \$0214 Programmed by                                | Programmed by Supplier EOL   |  |
| Hardware Configuration: Remote Start Antenna        | Present                      |  |
| Hardware Configuration: Front Left Door Handle H/W  | Serial AP                    |  |
| Hardware Configuration: Front Right Door Handle H/W | Serial AP                    |  |
| Hardware Configuration: Rear Left Door Handle H/W   | No AP                        |  |
| Hardware Configuration: Rear Right Door Handle H/W  | No AP                        |  |
| Hardware Configuration: Trunk Door Handle H/W       | Simple Switch AP             |  |
| RFHub Locked                                        | RFHUB Locked after IAC write |  |
| Fob Location #1 Successfully Programmed             | Yes                          |  |
| Fob Location #2 Successfully Programmed             | Yes                          |  |
| Fob Location #3 Successfully Programmed             | Yes                          |  |
| Fob Location #4 Successfully Programmed             | No                           |  |
| Fob Location #5 Successfully Programmed             | No                           |  |
| Fob Location #6 Successfully Programmed             | No                           |  |
| Fob Location #7 Successfully Programmed             | No                           |  |
| Fob Location #8 Successfully Programmed             | No                           |  |
| Fob Location #1 Key sense status                    | Fob is NOT Key Sense         |  |
| Fob Location #2 Key sense status                    | Fob is NOT Key Sense         |  |
| Fob Location #3 Key sense status                    | Fob is Key Sense             |  |
| Fob Location #4 Key sense status                    | Fob is NOT Key Sense         |  |
| Fob Location #5 Key sense status                    | Fob is NOT Key Sense         |  |
| Fob Location #6 Key sense status                    | Fob is NOT Key Sense         |  |
| Fob Location #7 Key sense status                    | Fob is NOT Key Sense         |  |
| Fob Location #8 Key sense status                    | Fob is NOT Key Sense         |  |
| Back Up Vehicle Config 1                            | True                         |  |
| Back Up Vehicle Config 2                            | True                         |  |
| Back Up Vehicle Config 3                            | True                         |  |
| Back Up Vehicle Config 4                            | True                         |  |
| Back Up Vehicle Config 5                            | True                         |  |
| Back Up Vehicle Config 6                            | True                         |  |
| Back Up Vehicle Config 7                            | True                         |  |



|                                                          |      |  |
|----------------------------------------------------------|------|--|
| Back Up ECU Configuration 1                              | True |  |
| Back Up ECU Configuration 2                              | True |  |
| Back Up ECU Configuration 3                              | True |  |
| Back Up ECU Configuration 4                              | True |  |
| Back Up ECU Configuration 5                              | True |  |
| Back Up ECU Configuration 6                              | True |  |
| Back Up ECU Configuration 7                              | True |  |
| Back Up ECU Configuration 8                              | True |  |
| Back Up ECU Configuration 9                              | True |  |
| Back Up ECU Configuration 10                             | True |  |
| Back Up ECU Configuration 11                             | True |  |
| Back Up ECU Configuration 12                             | True |  |
| Back Up ECU Configuration 13                             | True |  |
| Back Up ECU Configuration 14                             | True |  |
| Back Up ECU Configuration 15                             | True |  |
| Back Up ECU Configuration 16                             | True |  |
| Back Up ECU Configuration 17                             | True |  |
| Back Up Customer Settings Menu 1 (CSM1)                  | True |  |
| Back Up Customer Settings Menu 2 (CSM2)                  | True |  |
| Back Up Programmed ECUs: Cabin Network                   | True |  |
| Back Up Programmed ECUs: P/T Chassis Network             | True |  |
| Secret Key Sent to Body Controller - Most recent attempt | Yes  |  |
| Secret Key Sent to Body Controller - Original attempt    | Yes  |  |

## ORC CONFIGURATION

| NAME                                       | VALUE          | UNITS |
|--------------------------------------------|----------------|-------|
| Rollover Sensing                           | Configured     |       |
| EPPM                                       | Not Configured |       |
| Occupant Classification (OCM)              | Configured     |       |
| First Row Driver Seatbelt Buckle Switch    | Configured     |       |
| First Row Passenger Seatbelt Buckle Switch | Configured     |       |
| Second Row Left seat belt Switch           | Not Configured |       |
| Second Row Center seat belt Switch         | Not Configured |       |
| Second Row Right seat belt Switch          | Not Configured |       |
| Driver Seat Track Position Sensor          | Configured     |       |
| Passenger Seat Track Position Sensor       | Configured     |       |
| Passenger Occupant Detection Sensor        | Not Configured |       |
| Passenger Airbag Disable Switch            | Not Configured |       |
| Passenger Airbag Disable Indicator         | Not Configured |       |
| Driver Frontal Squib 1                     | Configured     |       |
| Driver Frontal Squib 2                     | Configured     |       |
| Driver Frontal Squib 3                     | Configured     |       |
| Passenger Frontal Squib 1                  | Configured     |       |
| Passenger Frontal Squib 2                  | Configured     |       |

|                                           |                |  |
|-------------------------------------------|----------------|--|
| Passenger Frontal Squib 3                 | Configured     |  |
| Driver Knee Bolster Squib                 | Configured     |  |
| Passenger Knee Bolster Squib              | Configured     |  |
| Driver Seatbelt Retractor Pretensioner    | Configured     |  |
| Passenger Seatbelt Retractor Pretensioner | Configured     |  |
| Driver Seatbelt Load Limiter              | Configured     |  |
| Passenger Seatbelt Load Limiter           | Configured     |  |
| Driver Seatbelt Anchor Pretensioner       | Configured     |  |
| Passenger Seatbelt Anchor Pretensioner    | Configured     |  |
| Driver Seatbelt Buckle Pretensioner       | Not Configured |  |
| Passenger Seatbelt Buckle Pretensioner    | Not Configured |  |
| Left Curtain Squib 1                      | Configured     |  |
| Right Curtain Squib 1                     | Configured     |  |
| Left Side Seat Squib 1                    | Configured     |  |
| Right Side Seat Squib 1                   | Configured     |  |
| Second Row Left Seat Side Airbag          | Not Configured |  |
| Second Row Right Seat Side Airbag         | Not Configured |  |
| Driver Frontal Squib 4                    | Not Configured |  |
| Passenger Frontal Squib 4                 | Not Configured |  |
| Left Up-Front Acceleration Sensor         | Configured     |  |
| Right Up-Front Acceleration Sensor        | Configured     |  |
| Right B-Pillar Impact Acceleration Sensor | Configured     |  |
| Left B-Pillar Impact Acceleration Sensor  | Configured     |  |
| Left C-Pillar Impact Acceleration Sensor  | Configured     |  |
| Right C-Pillar Impact Acceleration Sensor | Configured     |  |
| Right D-Pillar Impact Acceleration Sensor | Configured     |  |
| Left D-Pillar Impact Acceleration Sensor  | Configured     |  |
| Left Side Door Pressure Sensor            | Configured     |  |
| Right Side Door Pressure Sensor           | Configured     |  |
| Configuration Column Identifier           | A3             |  |

## EPS CONFIGURATION

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

## HVAC CONFIGURATION

| NAME                                | VALUE | UNITS |
|-------------------------------------|-------|-------|
| DualZone ATC Control (Factory) (BB) | False |       |
| DualZone ATC Control (BB)           | False |       |
| Dual Zone MTC Control (BB)          | False |       |
| Single Zone MTC Control (BB)        | False |       |

|                         |                      |  |
|-------------------------|----------------------|--|
| MTC With EBL (3Knob)    | False                |  |
| MTC Without EBL (3Knob) | False                |  |
| MTC heater only (3Knob) | False                |  |
| HVAC Configuration      | Dual Zone ATC + Rear |  |

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

**AMP CONFIGURATION**

| NAME                                 | VALUE                                      | UNITS |
|--------------------------------------|--------------------------------------------|-------|
| Premuim - 1 (8 channel)              | False                                      |       |
| Premuim - 2 (12 Channel)             | False                                      |       |
| Premium - 3                          | True                                       |       |
| Non -ANC                             | False                                      |       |
| Current ANC Calibration ID - Service | RU PHEV 3.6L: Tripane Sunroof & Harman AMP |       |

|                                    |                   |  |
|------------------------------------|-------------------|--|
| ANC Status                         | Off - Window Mute |  |
| ANC Calibration Date - Year        | 18                |  |
| ANC Calibration Date - Week        | 45                |  |
| ANC Calibration Date - Patch Level | 2                 |  |
| Teen Key Present                   | False             |  |
| Left/Right Hand Drive              | Left Hand Drive   |  |
| Door Module - Left Front           | Present           |  |
| Door Module - Left Rear            | Present           |  |
| Door Module - Right Front          | Present           |  |
| Door Module - Right Rear           | Present           |  |
| Cabin Equalization Curve Number    | 53                |  |
| Sub-EQ Set Selected                | Sub-EQ#5 Selected |  |
| Current EQ Checksum                | 57 F7 4F 32       |  |
| Surround Sound Activated           | Set               |  |

### IPC CONFIGURATION

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

### PTS CONFIGURATION

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

### SCCM CONFIGURATION

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

### BCM CONFIGURATION

| NAME               | VALUE | UNITS |
|--------------------|-------|-------|
| BCM (Interior Bus) | Set   |       |
| HSM                | Set   |       |
| DDM                | Set   |       |
| PDM                | Set   |       |
| DMRL               | Set   |       |
| DMRR               | Set   |       |
| HVAC               | Set   |       |
| MSM                | Set   |       |
| PLGM               | Set   |       |

|          |         |  |
|----------|---------|--|
| VTM      | Not Set |  |
| PSDML    | Set     |  |
| PSDMR    | Set     |  |
| FSM      | Not Set |  |
| Radio    | Set     |  |
| DTV      | Not Set |  |
| ITM      | Not Set |  |
| AMP      | Set     |  |
| EDM      | Set     |  |
| ICS      | Set     |  |
| HVACR    | Set     |  |
| CVPM     | Set     |  |
| EOMR     | Set     |  |
| MSMP     | Set     |  |
| VRM      | Set     |  |
| DSM      | Set     |  |
| EAM      | Not Set |  |
| ANC      | Not Set |  |
| AHLM     | Not Set |  |
| BCM (PT) | Set     |  |
| PCM      | Set     |  |
| EPS      | Set     |  |
| ESM      | Set     |  |
| ABS      | Not Set |  |
| RFH      | Set     |  |
| IPC      | Set     |  |
| ACC      | Set     |  |
| ORC      | Set     |  |
| PTS      | Set     |  |
| SCCM     | Set     |  |
| TCM      | Not Set |  |
| OCM      | Set     |  |
| FFCM     | Set     |  |
| ABSO     | Set     |  |
| ESL      | Not Set |  |
| HCP      | Set     |  |
| EBCM     | Set     |  |
| ORC      | Set     |  |
| ESM      | Set     |  |
| ESC      | Set     |  |
| ECM      | Set     |  |
| HCP      | Set     |  |
| OBCM     | Set     |  |
| AHCP     | Set     |  |

|                                                               |         |       |
|---------------------------------------------------------------|---------|-------|
| EAC                                                           | Set     |       |
| BPCM                                                          | Set     |       |
| APM                                                           | Set     |       |
| Number of Reprogramming Attempts - Counter #0                 | 0       |       |
| Vehicle Configuration Programmed Status                       | True    |       |
| Last Programmed Status                                        | Service |       |
| Last Configuration Odometer                                   | 11950   | miles |
| Vehicle Configuration Auto Write Counter                      | 1       |       |
| Vehicle Configuration 1 - Write Counter                       | 3       |       |
| Vehicle Configuration 2 - Write Counter                       | 3       |       |
| Vehicle Configuration 3 - Write Counter                       | 3       |       |
| Vehicle Configuration 4 - Write Counter                       | 3       |       |
| Vehicle Configuration 5 - Write Counter                       | 3       |       |
| Vehicle Configuration 6 - Write Counter                       | 3       |       |
| Programmed ECUs: Cabin Network                                | 3       |       |
| Programmed ECUs: P/T Chassis Network                          | 3       |       |
| Programmed Network Configuration - Audio / Telematics Network | 0       |       |
| Programmed ECUs: Hybrid LAN Network                           | 0       |       |
| ECU Configuration 1 (CBC Configurable Inputs and Outputs)     | 3       |       |
| ECU Configuration 2 (CBC Features)                            | 3       |       |
| ECU Configuration 3                                           | 3       |       |
| ECU Configuration 4                                           | 3       |       |
| ECU Configuration 5 (Wireless)                                | 3       |       |
| ECU Configuration 5 (Doors)                                   | 3       |       |
| ECU Configuration 5 (Memory)                                  | 3       |       |
| ECU Configuration 6 (Brake)                                   | 3       |       |
| ECU Configuration 6 (Suspension)                              | 3       |       |
| ECU Configuration 6 (Powertrain)                              | 3       |       |
| ECU Configuration 6 (Safety)                                  | 3       |       |
| ECU Configuration 7 (CBC Exterior Lighting Calibrations)      | 3       |       |
| ECU Configuration 8 (LIN and Miscellaneous )                  | 3       |       |
| ECU Configuration 9A                                          | 3       |       |
| ECU Configuration 9 (ITM)                                     | 3       |       |
| ECU Configuration 10                                          | 3       |       |
| ECU Configuration 11                                          | 3       |       |
| ECU Configuration 12                                          | 3       |       |
| ECU Configuration 13                                          | 3       |       |
| ECU Configuration 14                                          | 3       |       |
| ECU Configuration 15 (CBC Features)                           | 3       |       |
| ECU Configuration 15 (Suspension)                             | 3       |       |
| Vehicle Configuration 7 - Write Counter                       | 3       |       |
| Vehicle Config CSM1                                           | 3       |       |
| Vehicle Config CSM2                                           | 3       |       |
| Model Year                                                    | 2020    |       |

|                                               |                                              |         |
|-----------------------------------------------|----------------------------------------------|---------|
| Vehicle Line                                  | RU                                           |         |
| Country Code                                  | USA                                          |         |
| Left/Right Hand Drive                         | Left Hand Drive                              |         |
| Remote Start Present                          | Set                                          |         |
| Drive Configuration                           | 2WD Front                                    |         |
| Emode Present                                 | Not Set                                      |         |
| Auto Highbeam                                 | Set                                          |         |
| Body Style                                    | Station Wagon                                |         |
| Maximum Vehicle Speed                         | 0                                            | MPH     |
| Shifter Type                                  | 5 Position Rotary Eshifter PRNDL / Type RS5L |         |
| Performance Pages Present                     | Not Present                                  |         |
| Special Packages                              | 74                                           |         |
| PTS Configuration                             | Semi Automatic / Semi Automatic              |         |
| Hill Descent Feature Present                  | Not Set                                      |         |
| Select Speed Control Feature Present          | Not Set                                      |         |
| Power Inverter Type                           | No Power Inverter                            |         |
| Thatcham Present                              | Not Set                                      |         |
| Rain Sensor Present                           | Set                                          |         |
| SKIM System Present                           | Not Set                                      |         |
| Air Conditioning Present                      | Not Set                                      |         |
| Cruise Feature is Present                     | Not Set                                      |         |
| Flipper Glass Present                         | Not Set                                      |         |
| Full Size Spare                               | Not Set                                      |         |
| Off Road Capable                              | Not Set                                      |         |
| Special Packages IC                           | Pacifica                                     |         |
| Max Load Inflation Pressure Rear Tire         | 36.0                                         | PSI     |
| Max Load Inflation Pressure Front Tire        | 36.0                                         | PSI     |
| Police Lighting Feature                       | Not Set                                      |         |
| Power Right Sliding Door Present              | Set                                          |         |
| Power Left Sliding Door Present               | Set                                          |         |
| RKE System Present                            | Set                                          |         |
| T-Case Type                                   | Not Present / Not Present                    |         |
| Wheel Base                                    | Wheel base not programmed / WB_NP            |         |
| FOBIK Safe Enable                             | Set                                          |         |
| ELV Present                                   | Not Set                                      |         |
| Fuel Capacity                                 | 17                                           | gallons |
| Window Express Feature Configuration          | All windows express feature                  |         |
| Adjustable Pedal Feature Present (non-Memory) | Not Set                                      |         |
| Auto Headlamp Feature Present                 | Set                                          |         |
| Door Alert Feature Present                    | Not Set                                      |         |
| Two Fuel Sending Units Present                | Not Set                                      |         |
| Vehicle is an SRT                             | Not Set                                      |         |
| Disable Display of Radio Clock                | Not Set                                      |         |

|                                                                                    |                                |         |
|------------------------------------------------------------------------------------|--------------------------------|---------|
| Chassis Type                                                                       | Type 9                         |         |
| Display Outside Temperature Present                                                | Set                            |         |
| HVAC Configuration                                                                 | Dual Zone ATC + Rear           |         |
| Vehicle Brand                                                                      | Chrysler                       |         |
| Display Compass Heading Present                                                    | Set                            |         |
| ESCL system present                                                                | Not Set                        |         |
| High Intensity Discharge Head Lamps                                                | Not Set                        |         |
| Secondary Lock Present                                                             | Not Set                        |         |
| Liftgate/Trunk Type                                                                | Power Liftgate                 |         |
| Collision Mitigation System present                                                | Set                            |         |
| Forward Collision Warning present                                                  | Set                            |         |
| Base TPM system present                                                            | Not Set                        |         |
| Premium TPM system present                                                         | Set                            |         |
| Paddle Shift Feature Present                                                       | Not Set                        |         |
| Sport Mode Present                                                                 | Not Set                        |         |
| Auto Park Present                                                                  | Set                            |         |
| Passive Entry Present                                                              | Set                            |         |
| Keyless Go Present                                                                 | Set                            |         |
| Transfer Case High Ratio                                                           | 1.000                          | No Unit |
| Axle Ratio                                                                         | 3.251                          |         |
| Transfer Case Low Range Reduction Ratio                                            | 0.000                          |         |
| Dynamic Tire Circumference (All or Rear)                                           | 89                             | inch    |
| Analog Door Sensor Configuration                                                   | Driver Door Only Analog Sensor |         |
| Air Quality System Present                                                         | Not Set                        |         |
| Steering Ratio at Negative Angle 1                                                 | 0.0                            | No Unit |
| Connector G Pin 9: Ambient Light Dimmer Wheel Input Present                        | Set                            |         |
| Connector A Pin 3/Connector D Pin 2: Low Beam Output Present                       | Set                            |         |
| Connector E Pin 29: Rear Wiper Motor Park Signal Present                           | Set                            |         |
| Connector F Pin 9: Analog Door Ajar Signal Front Driver Present                    | Set                            |         |
| Connector F Pin 23: Door Lock Switch Signal Front Passenger Present                | Set                            |         |
| Connector F Pin 29: Horn Switch Present                                            | Set                            |         |
| Connector A Pin 11: Hood Ajar Switch Input Present                                 | Set                            |         |
| Connector F Pin 8 : Liftgate Release Outside Handle Switch Present                 | Not Set                        |         |
| Connector E Pin 5: PHEV Fuel Door Switch Input                                     | Set                            |         |
| Connector F Pin 6: Fuel Door Motor Output Signal Present                           | Set                            |         |
| Connector D Pin 7: Stop/Turn Trailer Tow Right Output Present                      | Not Set                        |         |
| Connector D Pin 9: Trailer Tow Backup Output Present                               | Not Set                        |         |
| Connector D Pin 10: Trailer Tow Tail Lamp Output 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                            |         |
| Connector A Pin 22: Right Dedicated DRL Lamp Output Present                        | Set                            |         |
| Connector D Pin 15: Left Dedicated DRL Lamps Output Present                        | Set                            |         |
| Connector E Pin 34: Vacuum Cleaner Relay Output Present                            | Not Set                        |         |
| Connector G Pin 24 (Internally tied to Connector F Pin 7): Ambient Lighting Output | Not Set                        |         |



|                                                                                                    |                 |  |
|----------------------------------------------------------------------------------------------------|-----------------|--|
| Connector A Pin 1 and Connector D Pin 13: Front Fog Lamps Output Present                           | Set             |  |
| Connector F Pin 35: Inverter Enable Relay Output 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 E Pin 3/Connector F Pin 42: Rear Turn Lamps Output Present                               | Not Set         |  |
| Connector E Pin 48 (Tied internally to Connector A Pin16): Rear Wiper Motor Control Output Present | Set             |  |
| Connector E Pin 9: Run-ACC Y Relay #2 Output Present                                               | Set             |  |
| Connector A Pin 10/Connector D Pin 5: Side Markers Output Present                                  | Set             |  |
| Connector E Pin 8: PHEV HCP Hardwire Wakeup                                                        | Set             |  |
| Connector E Pin 42: Charge Port Lock Output Present                                                | Set             |  |
| Connector E Pin 41: Charge Port Unlock Output Present                                              | Set             |  |
| Connector F Pin 4: Liftgate Release Present                                                        | Not Set         |  |
| Connector G Pin 15: UGDO Feed Output Present                                                       | Set             |  |
| Connector G Pin 22: VTA Warning LED Output Present                                                 | Set             |  |
| Connector E Pin 11: Vacuum Switch Input                                                            | Not Set         |  |
| Connectro E Pin 37: Right HID Control Output Present                                               | Not Set         |  |
| Connector E Pin 7: Left HID Relay Control Output Present                                           | Not Set         |  |
| Connector D Pin 22/ Connector D Pin 23: Ambient Temperature Signal/Return Present                  | Set             |  |
| Tip Start Enabled                                                                                  | Set             |  |
| Dual Start Relay System Present                                                                    | Not Set         |  |
| Wiper Service Position Enabled                                                                     | Not Set         |  |
| Fuel Door Release Enabled                                                                          | Not Present     |  |
| Trailer Tow Present                                                                                | Not Set         |  |
| Quad Headlamps Enable                                                                              | Set             |  |
| Horn Chirp Allowed                                                                                 | Set             |  |
| Bi Xenon Headlamps Enable                                                                          | Not Set         |  |
| Hazard Lamp Configuration                                                                          | Latching Switch |  |
| Park Lamp Loadshed Enable                                                                          | Set             |  |
| Front Fog Lamp Dropout Enable                                                                      | Set             |  |
| Combined Rear Lighting Enable                                                                      | Set             |  |
| Side Repeaters Enable                                                                              | Not Set         |  |
| One Touch Lane Change                                                                              | Set             |  |
| Exterior Light Loadshed Enable                                                                     | Set             |  |
| Front Wiper Park Enable                                                                            | Set             |  |
| Rear Wiper Park Enable                                                                             | Set             |  |
| Reversible Washer Pump Enable                                                                      | Set             |  |
| Combined Front Park/Turn Feature Enable                                                            | Not Set         |  |
| DRL Configuration                                                                                  | No DRL          |  |
| DRL Lamp Location                                                                                  | Dedicated       |  |
| DRL Dropout Enable                                                                                 | Set             |  |
| Tunnel Detection                                                                                   | Not Set         |  |
| Fuel Door Present                                                                                  | Not Set         |  |
| LED Reverse Lamps Present                                                                          | Not Set         |  |

|                                                    |                                         |  |
|----------------------------------------------------|-----------------------------------------|--|
| LED Stop Lamps Present                             | Not Set                                 |  |
| LED Rear Turn Lamps Present                        | Not Set                                 |  |
| LED Tail Lamps Present                             | Set                                     |  |
| LED Rear Fog Lamps Present                         | Not Set                                 |  |
| LED License Lamps Present                          | Set                                     |  |
| LED Front Turn Lamps Present                       | Not Set                                 |  |
| LED Front Fog Lamps Present                        | Not Set                                 |  |
| LED Dedicated DRL Present                          | Set                                     |  |
| LED Low Beam Lamps Present                         | Not Set                                 |  |
| LED High Beam Lamps Present                        | Not Set                                 |  |
| LED Front Park/Marker Lamps Present                | Set                                     |  |
| Illuminated approach Enabled                       | Not Set                                 |  |
| Headlamp Wash Spray Duration (at 100 ms intervals) | 1100ms                                  |  |
| Headlamp Wash Interval                             | wash cycle#11                           |  |
| Headlamp Wash Shot                                 | double                                  |  |
| Front Wiper Wipes After Wash                       | 2 Wipes                                 |  |
| Headlamp Washer Low Fluid Shut-Off Enable          | Set                                     |  |
| Intermittent Wiper States                          | 4 Intermittent Wiper position Switch    |  |
| LED CHMSL Lamp Present                             | Set                                     |  |
| Rear Camera Present                                | Not Set                                 |  |
| Power Inverter Present                             | Not Set                                 |  |
| Front Park Assist Present                          | Set                                     |  |
| Front Heated Seats Present                         | Set                                     |  |
| Destination                                        | United States of America                |  |
| Cabin Equilization Curve Number                    | RU Premium System - Harman 12ch         |  |
| Heated Steering Wheel Present                      | Set                                     |  |
| Surround Sound Feature Present                     | Set                                     |  |
| Power Door Locks Present                           | Set                                     |  |
| Antenna Type                                       | Active Primary and no secondary antenna |  |
| Disable CD Eject                                   | Not Set                                 |  |
| Microphone Tuning Parameter                        | Absent [Not Used]                       |  |
| Microphone Configuration                           | 2 Microphones                           |  |
| Microphone Type                                    | Peiker 300 mv                           |  |
| External Port Type                                 | AUX + USB                               |  |
| Splashscreen Type                                  | Vehicle Brand                           |  |
| Fleet Vehicle Content                              | Not Set                                 |  |
| Vehicle Variant                                    | Undefined                               |  |
| Tip Start Present                                  | Set                                     |  |
| AP5 Trunk Unlock                                   | CAN                                     |  |
| Airport Scenario Trunk                             | Not Set                                 |  |
| AP5 Trunk Lock                                     | Simple Switch                           |  |
| AP1 Left Front                                     | Smart Switch                            |  |
| AP2 Right Front                                    | Smart Switch                            |  |
| AP3 Left Rear                                      | CAN                                     |  |

|                                            |                                                 |      |
|--------------------------------------------|-------------------------------------------------|------|
| AP4 Right Rear                             | CAN                                             |      |
| Global Up                                  | Not Set                                         |      |
| Global Down                                | Not Set                                         |      |
| Sun Shade                                  | Not Set                                         |      |
| Puddle Lamp Present                        | Not Set                                         |      |
| Rear Door Pre Short Drop                   | Not Set                                         |      |
| Passenger Window Lockout                   | Not Set                                         |      |
| Folding mirrors present                    | Set                                             |      |
| Heated Mirrors Present                     | Set                                             |      |
| Mirror turn signals present                | Set                                             |      |
| Driver Memory Mirrors Present              | Set                                             |      |
| Passenger Memory Mirror Present            | Set                                             |      |
| Electro-chromatic driver mirror present    | Set                                             |      |
| Electro-chromatic passenger mirror present | Not Set                                         |      |
| Tow Mirror Present                         | Not Set                                         |      |
| Blindspot Mirror Present                   | Set                                             |      |
| Window Motor Type                          | Not Set                                         |      |
| Window Hall Sensors Present                | Not Set                                         |      |
| Frameless Window Present                   | Not Set                                         |      |
| Memory Adjustable Pedals Present           | Not Set                                         |      |
| Tilt/Telescope Steering Present            | Not Set                                         |      |
| Driver Memory Seat Present                 | Set                                             |      |
| Stow 'n Assist Present - Driver            | Set                                             |      |
| Stow 'n Assist Present - Passenger         | Set                                             |      |
| Rear Heated Seats Present                  | Not Present                                     |      |
| Front Vented Seats Present                 | Present                                         |      |
| Heated Steering Wheel Present              | Present                                         |      |
| Heated Seat Material Type                  | Base Leather                                    |      |
| Heated Wheel Material Type                 | Full Leather                                    |      |
| Brake System ECU Configuration A           | value 0                                         |      |
| ECO Mode Configuration                     | Remember Previous State with Ignition Key Cycle |      |
| Dual Alternator Present                    | Not Set                                         |      |
| ODS Present                                | False                                           |      |
| Driver Kneebag Present                     | True                                            |      |
| Passenger Kneebag Present                  | True                                            |      |
| Curtain Airbags Present                    | True                                            |      |
| Tow Hooks Present                          | False                                           |      |
| Passive Ped Pro Present                    | False                                           |      |
| 1st Row Seat Side Airbags Present          | True                                            |      |
| Integrated EPP Present                     | False                                           |      |
| BUX Market                                 | False                                           |      |
| Front Park/Turn Voltage                    | Park to Turn ratio 55 Percent                   |      |
| Auto Headlamp On Threshold                 | 3.31409                                         | Volt |

|                                                               |                        |         |
|---------------------------------------------------------------|------------------------|---------|
| Auto Headlamp Off Threshold                                   | 2.54930                | Volt    |
| Left Low Beam Voltage Regulation                              | 13.6 Volts             |         |
| Left High Beam Voltage Regulation                             | 13.6 Volts             |         |
| Right Low Beam Voltage Regulation                             | 14 Volts               |         |
| Right High Beam Voltage Regulation                            | 13.8 Volts             |         |
| Left Front Corner Voltage                                     | 13.2 Volts             |         |
| Right Front Corner Voltage                                    | 13.4 Volts             |         |
| Left Rear Corner Voltage                                      | 14 Volts               |         |
| Right Rear Corner Voltage                                     | 14 Volts               |         |
| Alert no Reply                                                | Set                    |         |
| Alert On System Fault                                         | Set                    |         |
| Alert On Search Timeout                                       | Set                    |         |
| Panic Enable                                                  | Set                    |         |
| Compass Mounting Orientation                                  | Rightside up           |         |
| Washer Fluid Level Voltage Threshold                          | 4.46 volts             |         |
| Fobik Safe Alerts Per Ignition Cycle                          | 2                      |         |
| IBS Present                                                   | Set                    |         |
| OHC Module Present                                            | Set                    |         |
| Humidity Sensor Present                                       | Set                    |         |
| HFRM Present                                                  | Set                    |         |
| Auto Relock Time                                              | 60                     | seconds |
| VTA System Present                                            | VTA                    |         |
| Illuminated Approach Interior Lighting Target Percentage      | 100(50%)               |         |
| Illuminated Approach Headlamp Target Percentage               | 125 (62.5%)            |         |
| Illuminated Approach Taillamp Target Percentage               | 125 (62.5%)            |         |
| Illuminated Approach Interior Lighting Ramp Up Time           | 130(2600ms)            |         |
| CRVMM Present                                                 | Set                    |         |
| EVIC SWS Module Present                                       | Set                    |         |
| Compass Mounting Angle                                        | 0                      | Degree  |
| IBS Activate MWU                                              | Not Set                |         |
| Battery Types                                                 | SNA                    |         |
| IBS Quiescence Current Limit                                  | -250                   | mA      |
| IBS Minimum Voltage Limit                                     | 5.0                    | Volts   |
| IBS Minimal Charge Limit                                      | 10                     | AmpHrs  |
| Battery Type II                                               | 255                    |         |
| IBS Minimum Charge Limit                                      | 600                    | mA      |
| Connector D Pin 11: Stop/Turn Trailer Tow Left Output Present | Reserved               |         |
| Connector F Pin 41: Backup-Reverse lamp Left                  | Set                    |         |
| Connector E Pin 1: Backup-Reverse lamp Right                  | Set                    |         |
| Connector F Pin 5: Left Rear Fog Lamp                         | Output Disable         |         |
| 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 3: Left Rear Turn Signal                      | Left Rear Turn Signal  |         |
| Connector D Pin 1: Left High Beam Feed                        | Left High Beam (0)     |         |

|                                                                                                    |                                               |         |
|----------------------------------------------------------------------------------------------------|-----------------------------------------------|---------|
| Connector A Pin 2: Right High Beam Feed                                                            | Right High Beam (0)                           |         |
| Connector F Pin 25: Left Rear Turn Lamp Fault Sense                                                | Disable                                       |         |
| Connector F Pin 28: Right Rear Turn Lamp Fault Sense                                               | Disable                                       |         |
| Connector F Pin 27: Left Sliding Door Ajar                                                         | Left Sliding Door Ajar                        |         |
| Connector F Pin 4: Liftgate Release                                                                | Trunk/Liftgate Release                        |         |
| Connector F Pin 31: Right Sliding Door Ajar                                                        | Right Sliding Door Ajar                       |         |
| Connector D Pin 21: Brake Fluid Level Switch                                                       | no parallel resistor                          |         |
| Connector D Pin 12: PHEV ECM Hardwire Wake Up                                                      | Engine Control Module Wake up (PHEV only)     |         |
| Connector F Pin 29: Horn Switch Input                                                              | Horn Switch Input                             |         |
| Connector A Pin 11: Hood Ajar Switch Signal                                                        | 500 ohm series and 500 ohm parallel resistors |         |
| Connector E Pin 7: Left HID Relay Control                                                          | Left HID Lamp Relay                           |         |
| Connector E Pin 37: Right HID Relay Control                                                        | Right HID Lamp Relay                          |         |
| Connector E Pin 29: Rear Wiper Motor Park Signal                                                   | Reserved                                      |         |
| Connector E Pin 5: E-5 PHEV Fuel Door Switch Input                                                 | PHEV Fuel Door Switch                         |         |
| Stop/Start Enable Switch Present                                                                   | Not Set                                       |         |
| Siren                                                                                              | Not Set                                       |         |
| Ultrasonics                                                                                        | Not Set                                       |         |
| Tilt                                                                                               | Not Set                                       |         |
| Connector F Pin 13: Left Sliding Door Switch Input (B-Pillar)                                      | Left B-Pillar sliding Door Switch             |         |
| Connector F Pin 14: Right Sliding Door Switch Input (B-Pillar)                                     | Right B-Pillar Sliding Door Switch            |         |
| Connector F Pin 15: Driver Door Lock Switch Input                                                  | Not Present                                   |         |
| Connector F Pin 16: Passenger Door Lock Switch Input                                               | Not Present                                   |         |
| Connector G Pin 2: Fog Lamp Switch Input                                                           | Fog Lamp Switch                               |         |
| Connector D Pin 4: Digital Spare Input #1                                                          | Not Present                                   |         |
| Connector D Pin 8: Digital Spare Input #2                                                          | Not Present                                   |         |
| Heatsoak Flush Time                                                                                | 105                                           | Time    |
| Engine Off Clear Time                                                                              | 180                                           | Time    |
| Connector F Pin 30: Fuel Door Lock (BUX)                                                           | Not Present                                   |         |
| Connector F Pin 33: Fuel Door Unlock (BUX)                                                         | Not Present                                   |         |
| Connector F Pin 34: Spare HSD                                                                      | Not Present                                   |         |
| Connector F Pin 37: Vacuum Cleaner Power Saver Indicator                                           | Not Present                                   |         |
| Ambient Stable Counter Limit                                                                       | 40                                            | Counter |
| Heatsoak Speed                                                                                     | 15                                            | Counter |
| Heatsoak Set Time                                                                                  | 15                                            | Time    |
| Max Engine Off Time                                                                                | 220                                           | Time    |
| CHMSL Lamp Output Disable                                                                          | Not Set                                       |         |
| Connector E Pin 28: Secondary Door Ajar Switch Present - PIN E-28                                  | Set                                           |         |
| Manual Door Locks Present                                                                          | Not Set                                       |         |
| Connector E Pin 48 (Tied internally to Connector A Pin16): Rear Wiper Motor Control Output Present | Rear Wiper (0)                                |         |
| Connector G Pin11/Connector G Pin 12: Not Used                                                     | ERS                                           |         |
| Rain Sensor Module #2 Present                                                                      | Set                                           |         |
| Humidy Sensor Long Present                                                                         | Set                                           |         |

|                                               |                                    |      |
|-----------------------------------------------|------------------------------------|------|
| Auto High Beam Module Location                | HaLF                               |      |
| License Plate Lamp Disable                    | Not Set                            |      |
| Connector F Pin 29: Horn Switch Present       | Horn Switch Input                  |      |
| Connector E Pin 39: Right Rear Turn Signal    | Right Rear Turn Signal             |      |
| Connector E Pin 3: Left Rear Turn Signal      | Left Rear Turn Signal              |      |
| Excess Lateral Acceleration Factor            | Filter Off                         |      |
| Average Last Lateral Acceleration Values      | No Averaging                       |      |
| Excess Longitudinal Acceleration Factor       | Filter Off                         |      |
| Average Last Longitudinal Acceleration Values | No Averaging                       |      |
| Brake Smoothing Duration                      | Filter Off                         |      |
| Brake Smoothing Factor                        | Filter Off                         |      |
| Steering Smoothing Duration                   | Filter Off                         |      |
| Steering Smoothing Factor                     | Filter Off                         |      |
| Steering Smoothing Threshold                  | Filter Off                         |      |
| Brake Smoothing Threshold                     | Filter Off                         |      |
| Maximum Longitudinal Change                   | Filter Off                         |      |
| Maximum Lateral Change                        | Filter Off                         |      |
| Acceleration Threshold                        | Filter Off                         |      |
| Acceleration Factor                           | Filter Off                         |      |
| Nose Dive Threshold                           | Filter Off                         |      |
| Nose Dive Factor                              | Filter Off                         |      |
| Horn Chirp Duration                           | Short                              |      |
| VTA Hood Ajar Monitoring                      | Not Set                            |      |
| Headlamp Soak Delay                           | 1.0 sec                            |      |
| Auto High Beam ON Threshold                   | 25 km/hr                           |      |
| Auto High Beam OFF Threshold                  | 20 km/hr                           |      |
| RKE Auto-Relock Feature Enable                | Not Set                            |      |
| PE Auto-Relock Feature Enable                 | Set                                |      |
| Parking Light Enable                          | Not Set                            |      |
| Interior Lighting Night Threshold             | 4.45147                            | Volt |
| Interior Lighting Day Threshold               | 4.27498                            | Volt |
| TPMS Configuration                            | Logic 1 NHTSA Enable Warning       |      |
| Smart Alternator Present                      | Not Set                            |      |
| Temperature Display Resolution                | HaLF                               |      |
| Sunroof Present                               | Set                                |      |
| Radio Speaker Open Circuit Disable (LF)       | Not Set                            |      |
| Radio Speaker Open Circuit Disable (RF)       | Not Set                            |      |
| Radio Speaker Open Circuit Disable (LR)       | Not Set                            |      |
| Radio Speaker Open Circuit Disable (RR)       | Not Set                            |      |
| ANC Calibration Parameter Data Set            | Harman Amplified 3.6L PHEV Sunroof |      |
| Surround View Camera On/Off Softkey Present   | Set                                |      |
| Drive Mode Version                            | Version 1                          |      |
| Show Phone Information in Cluster             | 01                                 |      |
| Auto Dimming Mirror Hard Button Present       | Set                                |      |

|                                              |                          |         |
|----------------------------------------------|--------------------------|---------|
| Automatic Crash Notification Feature Present | Undefined                |         |
| Park Assist Tuning Set                       | BUX Front and Rear Only  |         |
| Unlock all doors on 1st press                | Set                      |         |
| Sound Horn on Lock                           | Set                      |         |
| Flash Lamps on Lock                          | Set                      |         |
| Headlamps on with Wipers                     | Set                      |         |
| Auto Lock                                    | Set                      |         |
| Auto Unlock                                  | Set                      |         |
| Sliding Door Alert                           | Not Set                  |         |
| Auto Wipers                                  | Set                      |         |
| Illuminated Approach Time                    | 30                       | seconds |
| Headlamp Delay Time                          | 30                       | seconds |
| Accessory Delay Time                         | 45                       | seconds |
| Daytime Running Lamps                        | Set                      |         |
| Hands Free Sliding Door Enable               | Set                      |         |
| Sliding Door Chime Enable                    | Set                      |         |
| Auto Highbeam                                | Set                      |         |
| Sound Horn on Remote Start                   | Set                      |         |
| Sound Horn On Lock Status                    | Chirp on 1st press/FIRST |         |
| Rear View Camera Static Grid Lines Enabled   | Not Set                  |         |
| Rear View Camera Dynamic Grid Lines Enabled  | Not Set                  |         |
| 3rd Row Lock CSO                             | Not Set                  |         |

## RADIO CONFIGURATION

| NAME                                 | VALUE        | UNITS |
|--------------------------------------|--------------|-------|
| Satellite Subscription ID            | HMQ7KDWQ     |       |
| Satellite Subscription Status        | Subscribed   |       |
| Satellite Subscription Reason Code   | 02           |       |
| Satellite Subscription Suspend Day   | 0C           |       |
| Satellite Subscription Suspend Month | 08           |       |
| Satellite Subscription Suspend Year  | 1A           |       |
| 911 Button                           | On           |       |
| SDARS                                | True         |       |
| Navigation Active                    | True         |       |
| Cellular                             | True         |       |
| Internal CD Player                   | False        |       |
| Wi-Fi                                | True         |       |
| Bluetooth                            | True         |       |
| Application Framework                | True         |       |
| FM Diversity                         | False        |       |
| Clock Defeat                         | Off          |       |
| Automated Loudness                   | On           |       |
| Anti-Theft Enable Status             | On           |       |
| 12/24 Time Selection                 | 12 Hour Time |       |

|                                               |              |         |
|-----------------------------------------------|--------------|---------|
| Front Seat Video Playback                     | Enabled      |         |
| Cabin EQ Curve Number Currently Used by Radio | 35           |         |
| Splash Screen                                 | Chrysler     |         |
| Compass on the bus messaging Authorization    | Allowed      |         |
| GPS on the Bus messaging Authorization        | Allowed      |         |
| USB Hubs Detected                             | 1            | No Unit |
| SD Card Readers Detected                      | 0            | No Unit |
| Enumerated USB Devices                        | 0            | No Unit |
| Aux Jack                                      | Not Inserted |         |
| DTV Short Term Configuration                  | —            |         |

## HVACR CONFIGURATION

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

## FFCM CONFIGURATION

| NAME              | VALUE          | UNITS |
|-------------------|----------------|-------|
| HIL mode Enabled  | False          |       |
| Traceability info | 02201579276105 |       |
| Traceability info | 22201530036002 |       |
| XCP Enabled       | False          |       |

## EDM CONFIGURATION

| NAME                                 | VALUE         | UNITS |
|--------------------------------------|---------------|-------|
| VES                                  | False         |       |
| VRM                                  | False         |       |
| Vehicle Line                         | RU            |       |
| Body Style                           | Station Wagon |       |
| Vehicle Brand Type                   | Chrysler      |       |
| Blind-Spot Module                    | Not Present   |       |
| Common Body Controller Int Bus       | Not Present   |       |
| Comfot Seats and Wheel Module        | Not Present   |       |
| Driver Door Control Module           | Not Present   |       |
| Passenger Door Control Module        | Not Present   |       |
| Left Rear Door Control Module        | Not Present   |       |
| Right Rear Door Control Module       | Not Present   |       |
| Heating Ventilation Air Conditioning | Not Present   |       |
| Memory Seat Module                   | Not Present   |       |



|                                   |                |  |
|-----------------------------------|----------------|--|
| Power Liftgate Module             | Not Present    |  |
| Left Power Sliding Door Module    | Not Present    |  |
| Right Power Sliding Door Module   | Not Present    |  |
| Folding Seat Module               | Not Present    |  |
| Power Top Control Module          | Not Present    |  |
| Rear Body Controller Module       | Not Present    |  |
| Radio                             | Present        |  |
| Vehicle System Interface Module   | Not Present    |  |
| Intrusion module                  | Not Present    |  |
| Amplifier Module                  | Not Present    |  |
| CAN I in-dash disc player module  | Present        |  |
| Convergence Telematics Module     | Not Present    |  |
| Integrated Center Stack Module    | Not Present    |  |
| Video Ent. System Screen 2 Module | Not Present    |  |
| Video Ent. System Screen 1 Module | Not Present    |  |
| Left/Right Hand Drive             | Not Programmed |  |
| Remote Start Present              | False          |  |
| E-Mode Feature Present            | False          |  |

## RCCC CONFIGURATION

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

## ABSO CONFIGURATION

| NAME                       | VALUE     | UNITS   |
|----------------------------|-----------|---------|
| Multiple Pressure Sensors  | True      |         |
| Front Directional Sensors  | False     |         |
| Rear Directional Sensors   | True      |         |
| Feature PIN                | False     |         |
| EPB                        | True      |         |
| ACC                        | True      |         |
| Hardwired VSO              | True      |         |
| Drive Configuration        | 2WD Front |         |
| VC Chassis Type            | Type 9    |         |
| ESC BLA Enabled            | False     |         |
| Dynamic Tire Circumference | 89        | inch    |
| Axle Ratio                 | 3.251     | No Unit |
| Engine Displacement        | 3.6       | No Unit |

|              |   |  |
|--------------|---|--|
| PN ESC Byte1 | 0 |  |
| PN ESC Byte2 | 0 |  |



## VEHICLE SCAN REPORT

**Vehicle** 2020 CHRYSLER PACIFICA (PHEV) 3.6L V6 HYBRID ENGINE  
**VIN** 2C4RC1N75L [REDACTED]

**Odometer** 12175.1 miles  
**Publication Date** Sep 9, 2022, 3:34:30 PM

## ECU SUMMARY INFO

| ECU   | NAME                           | BUS TYPE | FLASH PART # | CURRENT V  | ORIGINAL VIN          | PART #     |
|-------|--------------------------------|----------|--------------|------------|-----------------------|------------|
| PCM   | Powertrain Control Module      | CAN-C    | 68444228AE   | 2C4RC1N75L | 2C4RC1N75L [REDACTED] | 68444228AE |
| ICS   | Integrated Center Stack        | CAN-I    | 6UX621X8AA   | 2C4RC1N75L | 2C4RC1N75L [REDACTED] | 6UX621X8AA |
| RFH   | Radio Frequency Hub            | CAN-C    | 68453559AB   | 2C4RC1N75L | 2C4RC1N75L [REDACTED] | 68453559AB |
| ESM   | Electronic Shifter             | CAN-C    | 68240089AM   | 2C4RC1N75L | 2C4RC1N75L [REDACTED] | 68240089AM |
| ORC   | Occupant Restraint             | CAN-C    | 68453076AD   | 2C4RC1N75L | 2C4RC1N75L [REDACTED] | 68453076AD |
| EPS   | Electric Power Steering        | CAN-C    | 68460392AA   | 2C4RC1N75L | 2C4RC1N75L [REDACTED] | 68460392AA |
| HVAC  | Heat, Ventilation and A/C      | CAN-I    | 68447893AC   | 2C4RC1N75L | 2C4RC1N75L [REDACTED] | 68447893AC |
| DDM   | Driver Door Module             | CAN-I    | 68424449AC   | 2C4RC1N75L | 2C4RC1N75L [REDACTED] | 68424449AC |
| PDM   | Passenger Door Module          | CAN-I    | 68424448AC   | 2C4RC1N75L | 2C4RC1N75L [REDACTED] | 68424448AC |
| DMRL  | Door Module Rear Left          | CAN-I    | 68225096AG   | 2C4RC1N75L | 2C4RC1N75L [REDACTED] | 68225096AG |
| DMRR  | Door Module Rear Right         | CAN-I    | 68225096AG   | 2C4RC1N75L | 2C4RC1N75L [REDACTED] | 68225096AG |
| PSDML | Power Sliding Doors (Left)     | CAN-I    | 68369596AD   | 2C4RC1N75L | 2C4RC1N75L [REDACTED] | 68369596AD |
| PSDMR | Power Sliding Doors (Right)    | CAN-I    | 68369596AD   | 2C4RC1N75L | 2C4RC1N75L [REDACTED] | 68369596AD |
| MSM   | Memory Seat Module             | CAN-I    | 68321862AC   | 2C4RC1N75L | 2C4RC1N75L [REDACTED] | 68321862AC |
| PLGM  | Power Liftgate                 | CAN-I    | 68316094AF   | 2C4RC1N75L | 2C4RC1N75L [REDACTED] | 68316094AF |
| CSWM  | Comfort Seat Wheel Module      | CAN-I    | 68434912AC   | 2C4RC1N75L | 2C4RC1N75L [REDACTED] | 68434912AC |
| AMP   | Amplifier                      | CAN-I    | 68448067AA   | 2C4RC1N75L | 2C4RC1N75L [REDACTED] | 68448067AA |
| IPC   | Instrument Panel Cluster       | CAN-C    | 68434956AC   | 2C4RC1N75L | 2C4RC1N75L [REDACTED] | 68434956AC |
| PTS   | Parktronics                    | CAN-C    | 68193775AJ   | 2C4RC1N75L | 2C4RC1N75L [REDACTED] | 68193775AJ |
| SCCM  | Steering Column Control Module | CAN-C    | 68360889AD   | 2C4RC1N75L | 2C4RC1N75L [REDACTED] | 68360889AD |
| BCM   | Body Controller                | CAN-C    | 68424601AE   | 2C4RC1N75L | 2C4RC1N75L [REDACTED] | 68424601AE |

|       |                                    |       |            |            |            |            |
|-------|------------------------------------|-------|------------|------------|------------|------------|
| ACC   | Adaptive Cruise Control            | CAN-C | 68540436AB | 2C4RC1N75L | 2C4RC1N75L | 68540436AB |
| RADIO | Radio                              | CAN-I | 68461768AD | 2C4RC1     | 2C4RC1N75L | 68461768AD |
| OCM   | Occupant Classification            | CAN-C | 68403127AA | 2C4RC1N75L | 2C4RC1N75L | 68403127AA |
| HVACR | Heat, Ventilation and A/C Rear     | CAN-I | 68373079AB | 2C4RC1N75L | 2C4RC1N75L | 68373079AB |
| LBSS  | Left Blind Spot Sensor             | CAN-I | 04672786AB | 2C4RC1N75L | 2C4RC1N75L | 04672786AB |
| RBSS  | Right Blind Spot Sensor            | CAN-I | 04672786AB | 2C4RC1N75L | 2C4RC1N75L | 04672786AB |
| FFCM  | Forward Facing Camera Module       | CAN-C | 68493395AA | 2C4RC1N75L | 2C4RC1N75L | 68493395AA |
| EDM   | External Disc Module               | CAN-I | 68378304AA | 2C4RC1N75L | 2C4RC1N75L | 68378304AA |
| APM   | Accessory Power Module             | CAN-C | 05185046AB | 2C4RC1N75L | 2C4RC1N75L | 05185046AB |
| BPCM  | Battery Pack Control Module        | CAN-C | 05193166AF | 2C4RC1N75L | 2C4RC1N75L | 05193166AF |
| HCP   | Hybrid Control Processor           | CAN-C | 05190265AG | 2C4RC1N75L | 2C4RC1N75L | 05190265AG |
| OBCM  | On Board Charging Module           | CAN-C | 05185047AE | 2C4RC1N75L | 2C4RC1N75L | 05185047AE |
| MSMP  | Memory Seat Module - Passenger     | CAN-I | 68321862AC | 2C4RC1N75L | 2C4RC1N75L | 68321862AC |
| DSM   | Display Screen Module              | CAN-I | 68316174AC | 2C4RC1N75L | 2C4RC1N75L | 68316174AC |
| VRM   | Video Routing Module               | CAN-I | 68376134AG | 2C4RC1N75L | 2C4RC1N75L | 68376134AG |
| RCCC  | Rear Cabin Comfort Controls        | CAN-I | 6WL30DX9AA | 2C4RC1N75L | 2C4RC1N75L | 6WL30DX9AA |
| CVPM  | Central vision processing module   | CAN-I | 68375113AB | 2C4RC1N75L | 2C4RC1N75L | 68375113AB |
| EAC   | Electric A/C Compressor            | CAN-C | 68237995AG | 2C4RC1N75L | 2C4RC1N75L | 68237995AG |
| AHCP  | Auxiliary Hybrid Control Processor | CAN-C | 05190266AG | 2C4RC1N75L | 2C4RC1N75L | 05190266AG |
| EBBM  | Electronic Brake Booster Module    | CAN-C | 68461813AB | 2C4RC1N75L | 2C4RC1N75L | 68461813AB |
| ABSO  | Anti Lock Brakes OBD               | CAN-C | 68471122AD | 2C4RC1N75L | 2C4RC1N75L | 68471122AD |
| SGW   | Security Gateway Module            | CAN-C | 68447193AB |            | 2C4RC1N75L | 68447193AB |

## ECU SUMMARY INFO (CONT...)

| ECU | COUNTRY CODE | HARDWARE VERSION | SOFTWARE VERSION | IDENT | SERIAL NUMBER | CVNS     |
|-----|--------------|------------------|------------------|-------|---------------|----------|
| PCM | USA          | 1B 47            | 46 03 01         | 4419  |               | 31D751B0 |
| ICS | USA          | 0F 0C 00         | 12 25 00         | 4700  |               |          |
| RFH | USA / USA    | 10 17 00         | 13 09 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 | 13 05 01 | 4401 |  |
| DDM   | USA       | 11 07 00 | 13 0B 00 | 4202 |  |
| PDM   | USA       | 11 07 00 | 13 0B 00 | 4202 |  |
| DMRL  | USA / USA | 10 0B 00 | 12 0C 00 | 4201 |  |
| DMRR  | USA / USA | 10 0B 00 | 12 0C 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 |  |
| PLGM  | USA       | 17 19 00 | 18 22 00 | 4202 |  |
| CSWM  | USA       | 11 2A 00 | 13 2C 00 | 4302 |  |
| AMP   | USA       | 0F 06 01 | 12 2E 01 | 4021 |  |
| IPC   | USA / USA | 12 06 00 | 13 27 00 | 4704 |  |
| PTS   | USA       | 0E 32 00 | 12 1F 00 | 4311 |  |
| SCCM  | USA       | 13 28 00 | 13 29 00 | 4301 |  |
| BCM   | USA       | 0D 11 00 | 13 2C 90 | 4415 |  |
| ACC   | USA / USA | 14 12 01 | 15 13 01 | 4400 |  |
| RADIO | USA       | 13 31 14 | 13 31 14 | 8205 |  |
| 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  |           | 0E 03 00 | 14 17 00 | 4005 |  |
| HCP   | USA       | 11 1F 04 | 19 48 01 | 4005 |  |
| OBCM  | USA       | 0F 0D 00 | 12 02 00 | 4002 |  |
| MSMP  | USA       | 0F 2B 00 | 10 27 03 | 4001 |  |
| DSM   | USA / USA | 13 29 00 | 12 23 00 | 4000 |  |
| VRM   | USA / USA | 0F 1C 00 | 13 26 11 | 4001 |  |
| RCCC  | USA       | 0F 1D 00 | 13 04 00 | 4000 |  |
| CVPM  | USA / USA | 11 32 01 | 12 33 00 | 4003 |  |
| EAC   | USA       | 0E 34 00 | 12 0F 00 | 4102 |  |
| AHCP  | USA       | 11 1F 04 | 19 48 01 | 4000 |  |
| EBBM  | USA       | 0E 19 02 | 14 0D 18 | 4000 |  |
| ABSO  | USA       | 0E 15 02 | 14 1B 26 | 4201 |  |
| SGW   |           | 5        | 779      | 4103 |  |

D721612D

48547B9F  
64175847  
050DC953

E5898FA5

4F158D1B

## DTC SUMMARY

| ECU   | DTC CODE | DTC DESCRIPTION                                    | STATUS |
|-------|----------|----------------------------------------------------|--------|
| RADIO | U0002-00 | CAN C Bus Off Performance-                         | Active |
| APM   | P0A8F-00 | DC to DC Converter System Performance-             | Stored |
| APM   | U0293-00 | Lost Communication with Hybrid Control Module "A"- | Stored |

|      |          |                                                                |        |
|------|----------|----------------------------------------------------------------|--------|
| APM  | U0151-00 | Lost Communication with Occupant Restraint Controller (ORC)-   | Stored |
| BPCM | U0293-00 | Lost Communication with Hybrid Control Module "A"-             | Stored |
| BPCM | U0151-00 | Lost Communication with Occupant Restraint Controller (ORC)-   | Stored |
| BPCM | U0100-00 | Lost Communication With ECM/PCM "A"-                           | Stored |
| BPCM | P1A21-00 | HV Battery Contactor Control Sequence Incorrect-               | Stored |
| BPCM | P167B-00 | Controlled System Shutdown-                                    | Stored |
| HCP  | P1AEE-00 | MCPA HV Battery System Voltage High-                           | Stored |
| HCP  | P1AEF-00 | MCPB High Voltage Battery System Voltage High-                 | Stored |
| HCP  | U0111-00 | Lost Communication With Battery Energy Control Module-         | Stored |
| HCP  | U0298-00 | Lost Communication With DC to DC Converter Control Module "A"- | Stored |
| OBCM | U0293-00 | Lost Communication with Hybrid Control Module "A"-             | Stored |
| ABSO | U0111-00 | Lost Communication With Battery Energy Control Module-         | Stored |

## ENVIRONMENTAL DATA SUMMARY

### RADIO | U0002-00 | Active | CAN C Bus Off Performance-

| NAME                                     | VALUE      | UNITS |
|------------------------------------------|------------|-------|
| DTCTable                                 | C0 02 00   |       |
| TestFailed                               | True       |       |
| TestFailedThisMonitoringCycle            | True       |       |
| Pending DTC                              | True       |       |
| Confirmed DTC                            | True       |       |
| Test Not Completed This Monitoring Cycle | False      |       |
| Warning Indicator Requested              | False      |       |
| DTCExtendedDataRecordNumber              | FF         |       |
| Occurance Flag                           | Occurrence |       |
| Reserved                                 | Reserved   |       |
| Original Odometer Value                  | 12169      | miles |
| Most Recent Odometer Value               | 12169      | miles |
| Frequency Counter                        | 1          |       |
| Ignition Counter                         | 0          |       |
| RDI \$6080                               | 60 80      |       |
| Event Counter                            | 64         |       |

### APM | P0A8F-00 | Stored | DC to DC Converter System Performance-

| NAME                                    | VALUE    | UNITS |
|-----------------------------------------|----------|-------|
| DTC                                     | 0A 8F 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                                           |       |
| Occurrence flag                             | Error                                           |       |
| Original Odometer Value                     | 12000                                           | miles |
| Most Recent Odometer Value                  | 12070                                           | miles |
| Frequency Counter                           | 2                                               |       |
| Ignition Cycle Counter                      | 32                                              |       |
| APM High Voltage DC Current Set Point       | 7.0000                                          | AMP   |
| APM Low Voltage DC Current Set Point        | 100.0000                                        | AMP   |
| HCP Commanded APM Operating Mode            | Idle                                            |       |
| APM High Voltage DC Voltage Set Point       | 14.0000                                         | Volt  |
| APM Low Voltage DC Voltage Set Point        | 14.69                                           | Volt  |
| APM Operation Mode Status Reported from APM | Failure                                         |       |
| APM Derating Mode Status                    | No de-rating                                    |       |
| APM Derating Reason                         | Default(Normal Operation)                       |       |
| APM Failure Mode Status                     | No failure                                      |       |
| APM Failure Reason                          | Failure because of Temp diff is high/Failure 29 |       |
| Low voltage battery voltage from HCP        | 11.9200                                         | Volt  |

#### APM | U0293-00 | Stored | Lost Communication with Hybrid Control Module "A" -

| NAME                                        | VALUE                                      | UNITS |
|---------------------------------------------|--------------------------------------------|-------|
| DTC                                         | C2 93 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                                      |       |
| Occurrence flag                             | Error                                      |       |
| Original Odometer Value                     | 12000                                      | miles |
| Most Recent Odometer Value                  | 12070                                      | miles |
| Frequency Counter                           | 2                                          |       |
| Ignition Cycle Counter                      | 32                                         |       |
| APM High Voltage DC Current Set Point       | 7.0000                                     | AMP   |
| APM Low Voltage DC Current Set Point        | 100.0000                                   | AMP   |
| HCP Commanded APM Operating Mode            | Buck_CV                                    |       |
| APM High Voltage DC Voltage Set Point       | 14.0000                                    | Volt  |
| APM Low Voltage DC Voltage Set Point        | 14.50                                      | Volt  |
| APM Operation Mode Status Reported from APM | Buck_CV                                    |       |
| APM Derating Mode Status                    | No de-rating                               |       |
| APM Derating Reason                         | Default(Normal Operation)                  |       |
| APM Failure Mode Status                     | No failure                                 |       |
| APM Failure Reason                          | Failure because of LOC with HCP/Failure 21 |       |

Low voltage battery voltage from HCP

14.4000

Volt

**APM | U0151-00 | Stored | Lost Communication with Occupant Restraint Controller (ORC)-**

| NAME                                        | VALUE                                      | UNITS |
|---------------------------------------------|--------------------------------------------|-------|
| DTC                                         | C1 51 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                                      |       |
| Occurrence flag                             | Error                                      |       |
| Original Odometer Value                     | 12000                                      | miles |
| Most Recent Odometer Value                  | 12070                                      | miles |
| Frequency Counter                           | 2                                          |       |
| Ignition Cycle Counter                      | 32                                         |       |
| APM High Voltage DC Current Set Point       | 7.0000                                     | AMP   |
| APM Low Voltage DC Current Set Point        | 100.0000                                   | AMP   |
| HCP Commanded APM Operating Mode            | Buck_CV                                    |       |
| APM High Voltage DC Voltage Set Point       | 14.0000                                    | Volt  |
| APM Low Voltage DC Voltage Set Point        | 14.50                                      | Volt  |
| APM Operation Mode Status Reported from APM | Buck_CV                                    |       |
| APM Derating Mode Status                    | No de-rating                               |       |
| APM Derating Reason                         | Default(Normal Operation)                  |       |
| APM Failure Mode Status                     | No failure                                 |       |
| APM Failure Reason                          | Failure because of LOC with HCP/Failure 21 |       |
| Low voltage battery voltage from HCP        | 14.4000                                    | Volt  |

**BPCM | U0293-00 | Stored | Lost Communication with Hybrid Control Module "A"-**

| NAME                                    | VALUE    | UNITS |
|-----------------------------------------|----------|-------|
| DTC                                     | C2 93 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    |       |
| Occurrence flag                         | Error    |       |
| Original Odometer Value                 | 12000    | miles |
| Most Recent Odometer Value              | 12159    | miles |



|                                                                |                        |         |
|----------------------------------------------------------------|------------------------|---------|
| Frequency Counter                                              | 3                      |         |
| Ignition Cycle Counter                                         | 2                      |         |
| FoM - for this DTC (lifetime fails)                            | 26                     | events  |
| FoM - for this DTC (lifetime fails counts on pass)             | 0.0000                 | seconds |
| FoM - for this DTC (lifetime longest fail on pass)             | 0.000                  | seconds |
| Battery Total Time Awake                                       | 28371712               | 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)         | 12002.54               | miles   |
| Battery Lifetime Miles                                         | 9A244E                 | miles   |
| Vehicle Speed                                                  | FE                     | MPH     |
| System (12) Volts at time of fault                             | 14.507                 | Volts   |
| Battery Lifetime AmpHrs of Charge                              | 1401.1                 | AHr     |
| Battery Lifetime AmpHrs of DisCharge                           | 1401.5                 | AHr     |
| SOC at time of Fault                                           | 25.5                   | %       |
| Power Up SOC at time of Fault                                  | 42.7                   | %       |
| 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                        | 13.360                 | Volts   |
| HVIL PWM peak voltage Sensed - Vehicle                         | 13.295                 | Volts   |
| HVIL Source Voltage- Battery                                   | 1.385                  | Volts   |
| HVIL Returned current - Battery                                | 30.40                  | mA      |
| HV Battery Current Sensor 1 Hall High                          | 2.55                   | Amps    |
| HV Battery Current Sensor 2 Hall Low                           | 2.80                   | Amps    |
| HV Battery Current HVBatCmnt                                   | 3.65                   | Amps    |
| HV Cooling Speed Pump 1 Target                                 | 3750                   | rpm     |
| HV Cooling Speed pump 1 Speed                                  | 3750                   | rpm     |
| Charge indicator Temp                                          | 106                    | °F      |
| BPCM temperature max                                           | 100                    | °F      |
| BPCM temperature min                                           | 97                     | °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                                           | 2.502   | 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                         | 7.993   | Volts   |
| WC and Circuitry Weld Contactor Sensor G (Pack Negative) Voltage | -1.8    | Volts   |
| CVTN COMP ERR H                                                  | Normal  |         |
| CVTN COMP ERR L                                                  | Normal  |         |
| CVTN COMP FLT H                                                  | Normal  |         |
| CVTN COMP FLT L                                                  | Normal  |         |
| CVTN EDGE ERR H                                                  | Normal  |         |
| CVTN EDGE ERR L                                                  | Normal  |         |
| CVTN ABORT H                                                     | Normal  |         |
| CVTN ABORT L                                                     | Normal  |         |
| CVTN CRC FAULT H                                                 | Normal  |         |
| CVTN CRC FAULT L                                                 | Normal  |         |
| CVTN FRAM ERR                                                    | Normal  |         |
| CVTN STOP ERR                                                    | Normal  |         |
| CVTN STK FAULT ERR                                               | Active  |         |
| CVTN SYS RESET                                                   | Normal  |         |
| CVTN COMM TIMEOUT                                                | Active  |         |
| CVTN VDIG WAKE FAULT                                             | Normal  |         |
| CVTN INT TEMP FAULT                                              | Normal  |         |
| CVTN VDIG FAULT                                                  | Normal  |         |
| CVTN VM FAULT                                                    | Normal  |         |
| CVTN VP FAULT                                                    | Normal  |         |
| CVTN VP CLAMP                                                    | Latched |         |
| CVTN FACT CKSUM ERR                                              | Normal  |         |
| CVTN ANALOG FAULT ERR                                            | Active  |         |
| CVTN HREF FAULT                                                  | Active  |         |
| CVTN HREF GND FAULT                                              | Latched |         |
| CVTN ADC CAL ERR                                                 | SNA     |         |
| CVTN CUST ECC COR                                                | Normal  |         |
| CVTN CUST ECC ERR                                                | SNA     |         |
| CVTN FACT ECC COR                                                | SNA     |         |
| CVTN ACT ECC ERR                                                 | SNA     |         |
| 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                      | 93816          | watts     |
| HV Battery Charge Power 10sec                     | 92277          | watts     |
| HV Battery Discharge Power 2sec                   | 93561          | watts     |
| HV Battery Discharge Power 10sec                  | 91527          | watts     |
| HV Battery Power                                  | 0075AE         | watts     |
| Key - DriveRdy (CAN)                              | True           |           |
| Battery Lifetime Number Of Closes                 | 513            |           |
| Battery Full AmpHr Capacity                       | 50             | AmpHrs    |
| Cell Impedance Max Discharge                      | 0              | mOhms     |
| Cell Impedance Mim Discharge                      | 0              | mOhms     |
| Battery Cell Voltage Maximum                      | 3570           | mV        |
| Battery Cell Voltage Minimum                      | 3559           | mV        |
| Battery Cell Voltage Average                      | 3564           | mV        |
| Battery Cell Highest Cell number                  | 47             |           |
| Battery Cell Lowest Cell number                   | 50             |           |
| HV Battery Voltage (cell sum)                     | 342.10         | Volts     |
| HV Battery Voltage (Module Sum)                   | 341.70         | Volts     |
| HV Sensor A Pack Voltage                          | 342.10         | Volts     |
| HV Sensor B Bus\Link (Pre-Fuse) Voltage           | 342.10         | Volts     |
| HV Sensor C OBCM (HVOBC Fuse) Voltage             | 342.10         | Volts     |
| HV Sensor D Heater (HVHTR Fuse) Voltage           | 342.00         | Volts     |
| HV Sensor G Weld Contactor(Pack Negative) Voltage | -1.8           | Volts     |
| Battery Temperature Maximum Module                | 100            | °F        |
| Battery Temperature Minimum Module                | 97             | °F        |
| Battery Temperature Average Module                | 99             | °F        |
| Battery Temperature Highest Sensor number         | 04             |           |
| Battery Temperature Lowest Sensor number          | 12             |           |
| Battery Temperature Number of Failing Sensors     | 00             |           |
| HV Cooling Pump Relay Drive                       | Not Sourced    |           |
| HV Cooling Battery coolant inlet temp             | 88             | °F        |
| HV Cooling Battery coolant outlet temp            | 88             | °F        |
| HV Cooling OBCM temp inlet Temp                   | 95             | °F        |
| Pump - Battery Coolant Level Low                  | False          |           |
| Isolation Vehicle Diagnostic Status               | Run and Passed |           |
| Isolation Vehicle Impedance                       | 6.6405         | Mega Ohms |
| Isolation Battery Diagnostic Status               | Run and Passed |           |
| Isolation Battery Impedance                       | 0.8480         | Mega Ohms |
| CVTN CUST CKSUM ERR                               | Normal         |           |

#### BPCM | U0151-00 | Stored | Lost Communication with Occupant Restraint Controller (ORC)-

| NAME        | VALUE    | UNITS |
|-------------|----------|-------|
| DTC         | C1 51 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                  |         |
| Occurrence flag                                                | Error                  |         |
| Original Odometer Value                                        | 12000                  | miles   |
| Most Recent Odometer Value                                     | 12070                  | miles   |
| Frequency Counter                                              | 2                      |         |
| Ignition Cycle Counter                                         | 13                     |         |
| FoM - for this DTC (lifetime fails)                            | 15                     | events  |
| FoM - for this DTC (lifetime fails counts on pass)             | 0.0000                 | seconds |
| FoM - for this DTC (lifetime longest fail on pass)             | 0.000                  | seconds |
| Battery Total Time Awake                                       | 28371720               | seconds |
| 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                  |         |
| Vehicle mileage at time of fault (ODO signal in \$3D2)         | 12002.54               | miles   |
| Battery Lifetime Miles                                         | 9A244E                 | miles   |
| Vehicle Speed                                                  | FE                     | MPH     |
| System (12) Volts at time of fault                             | 12.452                 | Volts   |
| Battery Lifetime AmpHrs of Charge                              | 1401.1                 | AHr     |
| Battery Lifetime AmpHrs of DisCharge                           | 1401.5                 | AHr     |
| SOC at time of Fault                                           | 25.9                   | %       |
| Power Up SOC at time of Fault                                  | 42.7                   | %       |
| 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                        | 0.238                  | Volts   |
| HVIL PWM peak voltage Sensed - Vehicle                         | 0.215                  | Volts   |
| HVIL Source Voltage- Battery                                   | 1.377                  | Volts   |
| HVIL Returned current - Battery                                | 30.20                  | mA      |

|                                                                  |         |       |
|------------------------------------------------------------------|---------|-------|
| HV Battery Current Sensor 1 Hall High                            | -0.40   | Amps  |
| HV Battery Current Sensor 2 Hall Low                             | -0.05   | Amps  |
| HV Battery Current HVBatCmnt                                     | 0.00    | Amps  |
| HV Cooling Speed Pump 1 Target                                   | 3750    | rpm   |
| HV Cooling Speed pump 1 Speed                                    | 3750    | rpm   |
| Charge indicator Temp                                            | 104     | °F    |
| BPCM temperature max                                             | 100     | °F    |
| BPCM temperature min                                             | 97      | °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                                     | 4.995   | Volts |
| WC and CircuitryISO 8V Reference Voltage                         | 7.993   | Volts |
| WC and Circuitry Weld Contactor Sensor G (Pack Negative) Voltage | -291.8  | Volts |
| CVTN COMP ERR H                                                  | Normal  |       |
| CVTN COMP ERR L                                                  | Normal  |       |
| CVTN COMP FLT H                                                  | Normal  |       |
| CVTN COMP FLT L                                                  | Normal  |       |
| CVTN EDGE ERR H                                                  | Normal  |       |
| CVTN EDGE ERR L                                                  | Normal  |       |
| CVTN ABORT H                                                     | Normal  |       |
| CVTN ABORT L                                                     | Normal  |       |
| CVTN CRC FAULT H                                                 | Normal  |       |
| CVTN CRC FAULT L                                                 | Normal  |       |
| CVTN FRAM ERR                                                    | Normal  |       |
| CVTN STOP ERR                                                    | Normal  |       |
| CVTN STK FAULT ERR                                               | Latched |       |
| CVTN SYS RESET                                                   | Normal  |       |
| CVTN COMM TIMEOUT                                                | Active  |       |
| CVTN VDIG WAKE FAULT                                             | Normal  |       |
| CVTN INT TEMP FAULT                                              | Normal  |       |
| CVTN VDIG FAULT                                                  | Normal  |       |
| CVTN VM FAULT                                                    | Normal  |       |
| CVTN VP FAULT                                                    | Normal  |       |
| CVTN VP CLAMP                                                    | Latched |       |
| CVTN FACT CKSUM ERR                                              | Normal  |       |
| CVTN ANALOG FAULT ERR                                            | Active  |       |
| CVTN HREF FAULT                                                  | Active  |       |

|                                                   |             |         |
|---------------------------------------------------|-------------|---------|
| CVTN HREF GND FAULT                               | Latched     |         |
| CVTN ADC CAL ERR                                  | SNA         |         |
| CVTN CUST ECC COR                                 | Normal      |         |
| CVTN CUST ECC ERR                                 | SNA         |         |
| CVTN FACT ECC COR                                 | SNA         |         |
| CVTN ACT ECC ERR                                  | SNA         |         |
| 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                      | 93822       | watts   |
| HV Battery Charge Power 10sec                     | 92283       | watts   |
| HV Battery Discharge Power 2sec                   | 93570       | watts   |
| HV Battery Discharge Power 10sec                  | 91536       | watts   |
| HV Battery Power                                  | 007530      | watts   |
| Key - DriveRdy (CAN)                              | True        |         |
| Battery Lifetime Number Of Closes                 | 513         |         |
| Battery Full AmpHr Capacity                       | 50          | AmpHrs  |
| Cell Impedance Max Discharge                      | 0           | mOhms   |
| Cell Impedance Mim Discharge                      | 0           | mOhms   |
| Battery Cell Voltage Maximum                      | 3571        | mV      |
| Battery Cell Voltage Minimum                      | 3563        | mV      |
| Battery Cell Voltage Average                      | 3569        | mV      |
| Battery Cell Highest Cell number                  | 17          |         |
| Battery Cell Lowest Cell number                   | 41          |         |
| HV Battery Voltage (cell sum)                     | 342.60      | Volts   |
| HV Battery Voltage (Module Sum)                   | 342.10      | Volts   |
| HV Sensor A Pack Voltage                          | 342.50      | Volts   |
| HV Sensor B Bus\Link (Pre-Fuse) Voltage           | 99.60       | Volts   |
| HV Sensor C OBCM (HVOBC Fuse) Voltage             | 99.40       | Volts   |
| HV Sensor D Heater (HVHTR Fuse) Voltage           | 99.40       | Volts   |
| HV Sensor G Weld Contactor(Pack Negative) Voltage | -291.8      | Volts   |
| Battery Temperature Maximum Module                | 100         | °F      |
| Battery Temperature Minimum Module                | 97          | °F      |
| Battery Temperature Average Module                | 99          | °F      |
| Battery Temperature Highest Sensor number         | 04          |         |
| Battery Temperature Lowest Sensor number          | 12          |         |
| Battery Temperature Number of Failing Sensors     | 00          |         |
| HV Cooling Pump Relay Drive                       | Not Sourced |         |
| HV Cooling Battery coolant inlet temp             | 88          | °F      |
| HV Cooling Battery coolant outlet temp            | 88          | °F      |
| HV Cooling OBCM temp inlet Temp                   | 95          | °F      |
| Pump - Battery Coolant Level Low                  | False       |         |

|                                     |                |           |
|-------------------------------------|----------------|-----------|
| Isolation Vehicle Diagnostic Status | Run and Passed |           |
| Isolation Vehicle Impedance         | 6.6405         | Mega Ohms |
| Isolation Battery Diagnostic Status | Run and Passed |           |
| Isolation Battery Impedance         | 0.8480         | Mega Ohms |
| CVTN CUST CKSUM ERR                 | Normal         |           |

#### BPCM | U0100-00 | Stored | Lost Communication With ECM/PCM "A"-

| NAME                                                           | VALUE                  | UNITS   |
|----------------------------------------------------------------|------------------------|---------|
| DTC                                                            | C1 00 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                  |         |
| Occurrence flag                                                | Error                  |         |
| Original Odometer Value                                        | 12000                  | miles   |
| Most Recent Odometer Value                                     | 12070                  | miles   |
| Frequency Counter                                              | 2                      |         |
| Ignition Cycle Counter                                         | 13                     |         |
| FoM - for this DTC (lifetime fails)                            | 17                     | events  |
| FoM - for this DTC (lifetime fails counts on pass)             | 0.0000                 | seconds |
| FoM - for this DTC (lifetime longest fail on pass)             | 0.000                  | seconds |
| Battery Total Time Awake                                       | 28371720               | seconds |
| 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                  |         |
| Vehicle mileage at time of fault (ODO signal in \$3D2)         | 12002.54               | miles   |
| Battery Lifetime Miles                                         | 9A244E                 | miles   |
| Vehicle Speed                                                  | FE                     | MPH     |
| System (12) Volts at time of fault                             | 12.452                 | Volts   |
| Battery Lifetime AmpHrs of Charge                              | 1401.1                 | AHr     |
| Battery Lifetime AmpHrs of DisCharge                           | 1401.5                 | AHr     |

|                                                                  |             |       |
|------------------------------------------------------------------|-------------|-------|
| SOC at time of Fault                                             | 25.9        | %     |
| Power Up SOC at time of Fault                                    | 42.7        | %     |
| 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                          | 0.238       | Volts |
| HVIL PWM peak voltage Sensd - Vehicle                            | 0.215       | Volts |
| HVIL Source Voltage- Battery                                     | 1.377       | Volts |
| HVIL Returned current - Battery                                  | 30.20       | mA    |
| HV Battery Current Sensor 1 Hall High                            | -0.40       | Amps  |
| HV Battery Current Sensor 2 Hall Low                             | -0.05       | Amps  |
| HV Battery Current HVBatCmt                                      | 0.00        | Amps  |
| HV Cooling Speed Pump 1 Target                                   | 3750        | rpm   |
| HV Cooling Speed pump 1 Speed                                    | 3750        | rpm   |
| Charge indicator Temp                                            | 104         | °F    |
| BPCM temperature max                                             | 100         | °F    |
| BPCM temperature min                                             | 97          | °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                                     | 4.995       | Volts |
| WC and CircuitryISO 8V Reference Voltage                         | 7.993       | Volts |
| WC and Circuitry Weld Contactor Sensor G (Pack Negative) Voltage | -291.8      | Volts |
| CVTN COMP ERR H                                                  | Normal      |       |
| CVTN COMP ERR L                                                  | Normal      |       |
| CVTN COMP FLT H                                                  | Normal      |       |
| CVTN COMP FLT L                                                  | Normal      |       |
| CVTN EDGE ERR H                                                  | Normal      |       |
| CVTN EDGE ERR L                                                  | Normal      |       |
| CVTN ABORT H                                                     | Normal      |       |
| CVTN ABORT L                                                     | Normal      |       |
| CVTN CRC FAULT H                                                 | Normal      |       |
| CVTN CRC FAULT L                                                 | Normal      |       |
| CVTN FRAM ERR                                                    | Normal      |       |
| CVTN STOP ERR                                                    | Normal      |       |
| CVTN STK FAULT ERR                                               | Latched     |       |
| CVTN SYS RESET                                                   | Normal      |       |



|                                                   |         |         |
|---------------------------------------------------|---------|---------|
| CVTN COMM TIMEOUT                                 | Active  |         |
| CVTN VDIG WAKE FAULT                              | Normal  |         |
| CVTN INT TEMP FAULT                               | Normal  |         |
| CVTN VDIG FAULT                                   | Normal  |         |
| CVTN VM FAULT                                     | Normal  |         |
| CVTN VP FAULT                                     | Normal  |         |
| CVTN VP CLAMP                                     | Latched |         |
| CVTN FACT CKSUM ERR                               | Normal  |         |
| CVTN ANALOG FAULT ERR                             | Active  |         |
| CVTN HREF FAULT                                   | Active  |         |
| CVTN HREF GND FAULT                               | Latched |         |
| CVTN ADC CAL ERR                                  | SNA     |         |
| CVTN CUST ECC COR                                 | Normal  |         |
| CVTN CUST ECC ERR                                 | SNA     |         |
| CVTN FACT ECC COR                                 | SNA     |         |
| CVTN ACT ECC ERR                                  | SNA     |         |
| 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                      | 93822   | watts   |
| HV Battery Charge Power 10sec                     | 92283   | watts   |
| HV Battery Discharge Power 2sec                   | 93570   | watts   |
| HV Battery Discharge Power 10sec                  | 91536   | watts   |
| HV Battery Power                                  | 007530  | watts   |
| Key - DriveRdy (CAN)                              | True    |         |
| Battery Lifetime Number Of Closes                 | 513     |         |
| Battery Full AmpHr Capacity                       | 50      | AmpHrs  |
| Cell Impedance Max Discharge                      | 0       | mOhms   |
| Cell Impedance Mim Discharge                      | 0       | mOhms   |
| Battery Cell Voltage Maximum                      | 3571    | mV      |
| Battery Cell Voltage Minimum                      | 3563    | mV      |
| Battery Cell Voltage Average                      | 3569    | mV      |
| Battery Cell Highest Cell number                  | 17      |         |
| Battery Cell Lowest Cell number                   | 41      |         |
| HV Battery Voltage (cell sum)                     | 342.60  | Volts   |
| HV Battery Voltage (Module Sum)                   | 342.10  | Volts   |
| HV Sensor A Pack Voltage                          | 342.50  | Volts   |
| HV Sensor B Bus\Link (Pre-Fuse) Voltage           | 99.60   | Volts   |
| HV Sensor C OBCM (HVOBC Fuse) Voltage             | 99.40   | Volts   |
| HV Sensor D Heater (HVHTR Fuse) Voltage           | 99.40   | Volts   |
| HV Sensor G Weld Contactor(Pack Negative) Voltage | -291.8  | Volts   |
| Battery Temperature Maximum Module                | 100     | °F      |

|                                               |                |           |
|-----------------------------------------------|----------------|-----------|
| Battery Temperature Minimum Module            | 97             | °F        |
| Battery Temperature Average Module            | 99             | °F        |
| Battery Temperature Highest Sensor number     | 04             |           |
| Battery Temperature Lowest Sensor number      | 12             |           |
| Battery Temperature Number of Failing Sensors | 00             |           |
| HV Cooling Pump Relay Drive                   | Not Sourced    |           |
| HV Cooling Battery coolant inlet temp         | 88             | °F        |
| HV Cooling Battery coolant outlet temp        | 88             | °F        |
| HV Cooling OBCM temp inlet Temp               | 95             | °F        |
| Pump - Battery Coolant Level Low              | False          |           |
| Isolation Vehicle Diagnostic Status           | Run and Passed |           |
| Isolation Vehicle Impedance                   | 6.6405         | Mega Ohms |
| Isolation Battery Diagnostic Status           | Run and Passed |           |
| Isolation Battery Impedance                   | 0.8480         | Mega Ohms |
| CVTN CUST CKSUM ERR                           | Normal         |           |

#### BPCM | P1A21-00 | Stored | HV Battery Contactor Control Sequence Incorrect-

| NAME                                               | VALUE               | UNITS   |
|----------------------------------------------------|---------------------|---------|
| DTC                                                | 1A 21 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               |         |
| Occurrence flag                                    | Error               |         |
| Original Odometer Value                            | 12000               | miles   |
| Most Recent Odometer Value                         | 12070               | miles   |
| Frequency Counter                                  | 2                   |         |
| Ignition Cycle Counter                             | 13                  |         |
| FoM - for this DTC (lifetime fails)                | 13                  | events  |
| FoM - for this DTC (lifetime fails counts on pass) | 0.0000              | seconds |
| FoM - for this DTC (lifetime longest fail on pass) | 0.000               | seconds |
| Battery Total Time Awake                           | 28371716            | 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 Unrestricted |         |
| 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)           | 12002.54               | miles |
| Battery Lifetime Miles                                           | 9A244E                 | miles |
| Vehicle Speed                                                    | FE                     | MPH   |
| System (12) Volts at time of fault                               | 12.794                 | Volts |
| Battery Lifetime AmpHrs of Charge                                | 1401.1                 | AHr   |
| Battery Lifetime AmpHrs of DisCharge                             | 1401.5                 | AHr   |
| SOC at time of Fault                                             | 25.9                   | %     |
| Power Up SOC at time of Fault                                    | 42.7                   | %     |
| HVIL Status -Vehicle                                             | Not Sourced            |       |
| HVIL Status - Battery pack                                       | PASS                   |       |
| HVIL PWM Duty Cycle - Vehicle                                    | 0.0                    | %     |
| HVIL PWM Frequency - Vehicle                                     | 87.9                   | Hz    |
| HVIL PWM peak voltage Sourced - Vehicle                          | 10.577                 | Volts |
| HVIL PWM peak voltage Sensed - Vehicle                           | 10.495                 | Volts |
| HVIL Source Voltage- Battery                                     | 1.385                  | Volts |
| HVIL Returned current - Battery                                  | 30.40                  | mA    |
| HV Battery Current Sensor 1 Hall High                            | -9.15                  | Amps  |
| HV Battery Current Sensor 2 Hall Low                             | -3.90                  | Amps  |
| HV Battery Current HVBatCrnt                                     | -26.40                 | Amps  |
| HV Cooling Speed Pump 1 Target                                   | 3750                   | rpm   |
| HV Cooling Speed pump 1 Speed                                    | 3750                   | rpm   |
| Charge indicator Temp                                            | 104                    | °F    |
| BPCM temperature max                                             | 100                    | °F    |
| BPCM temperature min                                             | 97                     | °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                                     | 4.995                  | Volts |
| WC and CircuitryISO 8V Reference Voltage                         | 7.993                  | Volts |
| WC and Circuitry Weld Contactor Sensor G (Pack Negative) Voltage | -1.8                   | Volts |
| CVTN COMP ERR H                                                  | Normal                 |       |
| CVTN COMP ERR L                                                  | Normal                 |       |
| CVTN COMP FLT H                                                  | Normal                 |       |
| CVTN COMP FLT L                                                  | Normal                 |       |

|                                   |         |         |
|-----------------------------------|---------|---------|
| CVTN EDGE ERR H                   | Normal  |         |
| CVTN EDGE ERR L                   | Normal  |         |
| CVTN ABORT H                      | Normal  |         |
| CVTN ABORT L                      | Normal  |         |
| CVTN CRC FAULT H                  | Normal  |         |
| CVTN CRC FAULT L                  | Normal  |         |
| CVTN FRAM ERR                     | Normal  |         |
| CVTN STOP ERR                     | Normal  |         |
| CVTN STK FAULT ERR                | Latched |         |
| CVTN SYS RESET                    | Normal  |         |
| CVTN COMM TIMEOUT                 | Active  |         |
| CVTN VDIG WAKE FAULT              | Normal  |         |
| CVTN INT TEMP FAULT               | Normal  |         |
| CVTN VDIG FAULT                   | Normal  |         |
| CVTN VM FAULT                     | Normal  |         |
| CVTN VP FAULT                     | Normal  |         |
| CVTN VP CLAMP                     | Latched |         |
| CVTN FACT CKSUM ERR               | Normal  |         |
| CVTN ANALOG FAULT ERR             | Active  |         |
| CVTN HREF FAULT                   | Active  |         |
| CVTN HREF GND FAULT               | Latched |         |
| CVTN ADC CAL ERR                  | SNA     |         |
| CVTN CUST ECC COR                 | Normal  |         |
| CVTN CUST ECC ERR                 | SNA     |         |
| CVTN FACT ECC COR                 | SNA     |         |
| CVTN ACT ECC ERR                  | SNA     |         |
| 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      | 93825   | watts   |
| HV Battery Charge Power 10sec     | 92283   | watts   |
| HV Battery Discharge Power 2sec   | 93570   | watts   |
| HV Battery Discharge Power 10sec  | 91536   | watts   |
| HV Battery Power                  | 0071A2  | watts   |
| Key - DriveRdy (CAN)              | True    |         |
| Battery Lifetime Number Of Closes | 513     |         |
| Battery Full AmpHr Capacity       | 50      | AmpHrs  |
| Cell Impedance Max Discharge      | 0       | mOhms   |
| Cell Impedance Mim Discharge      | 0       | mOhms   |
| Battery Cell Voltage Maximum      | 3589    | mV      |
| Battery Cell Voltage Minimum      | 3579    | mV      |
| Battery Cell Voltage Average      | 3586    | mV      |

|                                                   |                |           |
|---------------------------------------------------|----------------|-----------|
| Battery Cell Highest Cell number                  | 10             |           |
| Battery Cell Lowest Cell number                   | 41             |           |
| HV Battery Voltage (cell sum)                     | 344.30         | Volts     |
| HV Battery Voltage (Module Sum)                   | 343.90         | Volts     |
| HV Sensor A Pack Voltage                          | 344.30         | Volts     |
| HV Sensor B Bus\Link (Pre-Fuse) Voltage           | 344.20         | Volts     |
| HV Sensor C OBCM (HVOBC Fuse) Voltage             | 344.20         | Volts     |
| HV Sensor D Heater (HVHTR Fuse) Voltage           | 344.10         | Volts     |
| HV Sensor G Weld Contactor(Pack Negative) Voltage | -1.8           | Volts     |
| Battery Temperature Maximum Module                | 100            | °F        |
| Battery Temperature Minimum Module                | 97             | °F        |
| Battery Temperature Average Module                | 99             | °F        |
| Battery Temperature Highest Sensor number         | 04             |           |
| Battery Temperature Lowest Sensor number          | 12             |           |
| Battery Temperature Number of Failing Sensors     | 00             |           |
| HV Cooling Pump Relay Drive                       | Not Sourced    |           |
| HV Cooling Battery coolant inlet temp             | 88             | °F        |
| HV Cooling Battery coolant outlet temp            | 88             | °F        |
| HV Cooling OBCM temp inlet Temp                   | 95             | °F        |
| Pump - Battery Coolant Level Low                  | False          |           |
| Isolation Vehicle Diagnostic Status               | Run and Passed |           |
| Isolation Vehicle Impedance                       | 6.6405         | Mega Ohms |
| Isolation Battery Diagnostic Status               | Run and Passed |           |
| Isolation Battery Impedance                       | 0.8480         | Mega Ohms |
| CVTN CUST CKSUM ERR                               | Normal         |           |

#### BPCM | P167B-00 | Stored | Controlled System Shutdown-

| NAME                                               | VALUE    | UNITS   |
|----------------------------------------------------|----------|---------|
| DTC                                                | 16 7B 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    |         |
| Occurrence flag                                    | Error    |         |
| Original Odometer Value                            | 12000    | miles   |
| Most Recent Odometer Value                         | 12070    | miles   |
| Frequency Counter                                  | 2        |         |
| Ignition Cycle Counter                             | 13       |         |
| FoM - for this DTC (lifetime fails)                | 21       | events  |
| FoM - for this DTC (lifetime fails counts on pass) | 0.0000   | seconds |

|                                                                |                        |         |
|----------------------------------------------------------------|------------------------|---------|
| FoM - for this DTC (lifetime longest fail on pass)             | 0.000                  | seconds |
| Battery Total Time Awake                                       | 28371714               | 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 Unrestricted    |         |
| 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)         | 12002.54               | miles   |
| Battery Lifetime Miles                                         | 9A244E                 | miles   |
| Vehicle Speed                                                  | FE                     | MPH     |
| System (12) Volts at time of fault                             | 12.698                 | Volts   |
| Battery Lifetime AmpHrs of Charge                              | 1401.1                 | AHr     |
| Battery Lifetime AmpHrs of DisCharge                           | 1401.5                 | AHr     |
| SOC at time of Fault                                           | 25.9                   | %       |
| Power Up SOC at time of Fault                                  | 42.7                   | %       |
| HVIL Status -Vehicle                                           | Not Sourced            |         |
| 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                        | 11.403                 | Volts   |
| HVIL PWM peak voltage Sensed - Vehicle                         | 11.331                 | Volts   |
| HVIL Source Voltage- Battery                                   | 1.385                  | Volts   |
| HVIL Returned current - Battery                                | 30.40                  | mA      |
| HV Battery Current Sensor 1 Hall High                          | -27.10                 | Amps    |
| HV Battery Current Sensor 2 Hall Low                           | -26.30                 | Amps    |
| HV Battery Current HVBatCmt                                    | -25.75                 | Amps    |
| HV Cooling Speed Pump 1 Target                                 | 3750                   | rpm     |
| HV Cooling Speed pump 1 Speed                                  | 3750                   | rpm     |
| Charge indicator Temp                                          | 104                    | °F      |
| BPCM temperature max                                           | 100                    | °F      |
| BPCM temperature min                                           | 97                     | °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                                     | 4.995   | Volts   |
| WC and Circuitry ISO 8V Reference Voltage                        | 7.993   | Volts   |
| WC and Circuitry Weld Contactor Sensor G (Pack Negative) Voltage | -1.8    | Volts   |
| CVTN COMP ERR H                                                  | Normal  |         |
| CVTN COMP ERR L                                                  | Normal  |         |
| CVTN COMP FLT H                                                  | Normal  |         |
| CVTN COMP FLT L                                                  | Normal  |         |
| CVTN EDGE ERR H                                                  | Normal  |         |
| CVTN EDGE ERR L                                                  | Normal  |         |
| CVTN ABORT H                                                     | Normal  |         |
| CVTN ABORT L                                                     | Normal  |         |
| CVTN CRC FAULT H                                                 | Normal  |         |
| CVTN CRC FAULT L                                                 | Normal  |         |
| CVTN FRAM ERR                                                    | Normal  |         |
| CVTN STOP ERR                                                    | Normal  |         |
| CVTN STK FAULT ERR                                               | Active  |         |
| CVTN SYS RESET                                                   | Normal  |         |
| CVTN COMM TIMEOUT                                                | Active  |         |
| CVTN VDIG WAKE FAULT                                             | Normal  |         |
| CVTN INT TEMP FAULT                                              | Normal  |         |
| CVTN VDIG FAULT                                                  | Normal  |         |
| CVTN VM FAULT                                                    | Normal  |         |
| CVTN VP FAULT                                                    | Normal  |         |
| CVTN VP CLAMP                                                    | Latched |         |
| CVTN FACT CKSUM ERR                                              | Normal  |         |
| CVTN ANALOG FAULT ERR                                            | Active  |         |
| CVTN HREF FAULT                                                  | Active  |         |
| CVTN HREF GND FAULT                                              | Latched |         |
| CVTN ADC CAL ERR                                                 | SNA     |         |
| CVTN CUST ECC COR                                                | Normal  |         |
| CVTN CUST ECC ERR                                                | SNA     |         |
| CVTN FACT ECC COR                                                | SNA     |         |
| CVTN ACT ECC ERR                                                 | SNA     |         |
| 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                                                       | 03      |         |
| HV Battery Charge Power 2sec                                     | 93825   | watts   |
| HV Battery Charge Power 10sec                                    | 92283   | watts   |
| HV Battery Discharge Power 2sec                                  | 93570   | watts   |

|                                                   |                |           |
|---------------------------------------------------|----------------|-----------|
| HV Battery Discharge Power 10sec                  | 91536          | watts     |
| HV Battery Power                                  | 0071B8         | watts     |
| Key - DriveRdy (CAN)                              | True           |           |
| Battery Lifetime Number Of Closes                 | 513            |           |
| Battery Full AmpHr Capacity                       | 50             | AmpHrs    |
| Cell Impedance Max Discharge                      | 0              | mOhms     |
| Cell Impedance Mim Discharge                      | 0              | mOhms     |
| Battery Cell Voltage Maximum                      | 3590           | mV        |
| Battery Cell Voltage Minimum                      | 3580           | mV        |
| Battery Cell Voltage Average                      | 3586           | mV        |
| Battery Cell Highest Cell number                  | 35             |           |
| Battery Cell Lowest Cell number                   | 41             |           |
| HV Battery Voltage (cell sum)                     | 344.30         | Volts     |
| HV Battery Voltage (Module Sum)                   | 343.90         | Volts     |
| HV Sensor A Pack Voltage                          | 344.30         | Volts     |
| HV Sensor B Bus\Link (Pre-Fuse) Voltage           | 344.20         | Volts     |
| HV Sensor C OBCM (HVOBC Fuse) Voltage             | 344.20         | Volts     |
| HV Sensor D Heater (HVHTR Fuse) Voltage           | 344.10         | Volts     |
| HV Sensor G Weld Contactor(Pack Negative) Voltage | -1.8           | Volts     |
| Battery Temperature Maximum Module                | 100            | °F        |
| Battery Temperature Minimum Module                | 97             | °F        |
| Battery Temperature Average Module                | 99             | °F        |
| Battery Temperature Highest Sensor number         | 04             |           |
| Battery Temperature Lowest Sensor number          | 12             |           |
| Battery Temperature Number of Failing Sensors     | 00             |           |
| HV Cooling Pump Relay Drive                       | Not Sourced    |           |
| HV Cooling Battery coolant inlet temp             | 88             | °F        |
| HV Cooling Battery coolant outlet temp            | 88             | °F        |
| HV Cooling OBCM temp inlet Temp                   | 95             | °F        |
| Pump - Battery Coolant Level Low                  | False          |           |
| Isolation Vehicle Diagnostic Status               | Run and Passed |           |
| Isolation Vehicle Impedance                       | 6.6405         | Mega Ohms |
| Isolation Battery Diagnostic Status               | Run and Passed |           |
| Isolation Battery Impedance                       | 0.8480         | Mega Ohms |
| CVTN CUST CKSUM ERR                               | Normal         |           |

#### HCP | P1AEE-00 | Stored | MCPA HV Battery System Voltage High-

| NAME                                | VALUE    | UNITS |
|-------------------------------------|----------|-------|
| DTC                                 | 1A EE 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       |        |
| Occurrence flag                                                     | Occurrence  |        |
| Original Odometer Value                                             | 12002.7     | miles  |
| Most Recent Odometer Value                                          | 12070.8     | miles  |
| Frequency Counter                                                   | 2           |        |
| Ignition Cycle Counter                                              | 0           |        |
| Real time clock                                                     | 28685016    | sec    |
| RAM stamps keyOn                                                    | 90          | sec    |
| RAM Stamps                                                          | 602         | Min    |
| Accelerator Pedal Position                                          | 0           | %      |
| Brake Switch Status                                                 | Applied     |        |
| PHEV Charging Status                                                | No Charging |        |
| Engine Speed                                                        | 1851        | rpm    |
| HV Battery SOC                                                      | 24          | %      |
| Ignition State                                                      | Reserved    |        |
| PRND Position Display                                               | N           |        |
| Propulsion System Active                                            | False       |        |
| Vehicle Speed                                                       | 0.8592      | MPH    |
| Barometric Pressure                                                 | 14          | PSI    |
| Engine Coolant Temperature                                          | 181         | °F     |
| Actual Torque - Motor A                                             | 0.000       | Ft-Lbs |
| Available Motor Torque - Motor A                                    | 0.000       | Ft-Lbs |
| Inverter A Input DC Current                                         | 0.0         | AMP    |
| Electric Motor A Speed                                              | 7494.0      | rpm    |
| Motor A - Inverter Current - phase A                                | -4          | AMP    |
| Motor A - Inverter Current - phase B                                | -4          | AMP    |
| Motor A - Inverter Current - phase C                                | 0           | AMP    |
| Motor A Phase U Short Fault - High-Side                             | False       |        |
| Motor A Phase U Cross Conduction Fault - High-Side                  | False       |        |
| Motor A Phase U Over Current Fault - High-Side                      | False       |        |
| Motor A Phase U Thermal Warning Fault - High-Side                   | False       |        |
| Motor A Phase U Thermal Shutdown Fault - High-Side                  | False       |        |
| Motor A Phase U Comm Error High Voltage Regulator Fault - High-Side | False       |        |
| Motor A Phase U Comm Error Low Voltage Regulator Fault - High-Side  | False       |        |
| Motor A Phase U SPI Error Fault - High-Side                         | False       |        |
| Motor A Phase U Hardware Error Fault - High-Side                    | False       |        |
| Motor A Phase U Short Fault - Low-Side                              | False       |        |
| Motor A Phase U Cross Conduction Fault - Low-Side                   | False       |        |
| Motor A Phase U Over Current Fault - Low-Side                       | False       |        |
| Motor A Phase U Thermal Warning Fault - Low-Side                    | False       |        |
| Motor A Phase U Thermal Shutdown Fault - Low-Side                   | False       |        |
| Motor A Phase U SPI Error Fault - Low-Side                          | False       |        |

|                                                                     |          |       |
|---------------------------------------------------------------------|----------|-------|
| Motor A Phase U Hardware Error Fault - Low-Side                     | False    |       |
| Motor A Phase V Short Fault - High-Side                             | False    |       |
| Motor A Phase V Cross Conduction Fault - High-Side                  | False    |       |
| Motor A Phase V Over Current Fault - High-Side                      | False    |       |
| Motor A Phase V Thermal Warning Fault - High-Side                   | False    |       |
| Motor A Phase V Thermal Shutdown Fault - High-Side                  | False    |       |
| Motor A Phase V Comm Error High Voltage Regulator Fault - High-Side | False    |       |
| Motor A Phase V Comm Error Low Voltage Regulator Fault - High-Side  | False    |       |
| Motor A Phase V SPI Error Fault - High-Side                         | False    |       |
| Motor A Phase V Hardware Error Fault - High-Side                    | False    |       |
| Motor A Phase V Short Fault - Low-Side                              | False    |       |
| Motor A Phase V Cross Conduction Fault - Low-Side                   | False    |       |
| Motor A Phase V Over Current Fault - Low-Side                       | False    |       |
| Motor A Phase V Thermal Warning Fault - Low-Side                    | False    |       |
| Motor A Phase V Thermal Shutdown Fault - Low-Side                   | False    |       |
| Motor A Phase V SPI Error Fault - Low-Side                          | False    |       |
| Motor A Phase V Hardware Error Fault - Low-Side                     | False    |       |
| Motor A Phase W Short Fault - High-Side                             | False    |       |
| Motor A Phase W Over Current Fault - High-Side                      | False    |       |
| Motor A Phase W Thermal Warning Fault - High-Side                   | False    |       |
| Motor A Phase W Thermal Shutdown Fault - High-Side                  | False    |       |
| Motor A Phase W Comm Error Low Voltage Regulator Fault - High-Side  | False    |       |
| Motor A Phase W SPI Error Fault - High-Side                         | False    |       |
| Motor A Phase W Hardware Error Fault - High-Side                    | False    |       |
| Motor A Phase W Short Fault - Low-Side                              | False    |       |
| Motor A Phase W Cross Conduction Fault - Low-Side                   | False    |       |
| Motor A Phase W Over Current Fault - Low-Side                       | False    |       |
| Motor A Phase W Thermal Warning Fault - Low-Side                    | False    |       |
| Motor A Phase W Thermal Shutdown Fault - Low-Side                   | False    |       |
| Motor A Phase W Comm Error Low Voltage Regulator Fault - Low-Side   | False    |       |
| Motor A Phase W SPI Error Fault - Low-Side                          | False    |       |
| Motor A Phase W Hardware Error Fault - Low-Side                     | False    |       |
| Motor A Resolver Supply Voltage Value                               | 15.75    | Volts |
| Battery Feed Voltage 2 Sense                                        | 12.744   | Volts |
| Battery Feed Voltage 3 Sense                                        | 12.744   | Volts |
| Internal EPS Voltage Sense A                                        | 8.280    | Volts |
| Internal EPS Voltage Sense B                                        | 8.136    | Volts |
| Hybrid System State                                                 | Reserved |       |
| PIM DC Link Voltage - A                                             | 392      | Volts |
| PIM DC Link Voltage - B                                             | 395      | Volts |
| Passive Pump Coolant Temp In Sensor                                 | 111      | °F    |
| Low Temp Active Pump Speed                                          | 0        | rpm   |
| High Temp Aux Pump - Actual Speed                                   | 5880     | rpm   |
| Outside Air Temperature                                             | 84.2     | °F    |

|                                                     |                       |        |
|-----------------------------------------------------|-----------------------|--------|
| HV Contactor Status                                 | Open                  |        |
| Inverter B Status Feedback                          | Inverter Faulted      |        |
| Battery Feed Voltage 1 Sense                        | 12.744                | Volts  |
| Actual Torque - Motor B                             | 0.000                 | Ft-Lbs |
| Available Motor Torque - Motor B                    | 0.000                 | Ft-Lbs |
| Available Regen Torque - Motor A                    | -1.751                | Ft-Lbs |
| Available Regen Torque - Motor B                    | 0.000                 | Ft-Lbs |
| Commanded Torque - Motor A                          | -2.028                | Ft-Lbs |
| Commanded Torque - Motor B                          | 0.000                 | Ft-Lbs |
| Motor B - Inverter Current - phase A                | -4                    | AMP    |
| Motor B - Inverter Current - phase B                | -4                    | AMP    |
| Motor B - Inverter Current - phase C                | 0                     | AMP    |
| Motor B Resolver Angle                              | 278                   | Degree |
| Motor B Temp Sensor                                 | 133                   | °F     |
| HCP ePT Wake-Up Output                              | On                    |        |
| CBC Wake-Up Input                                   | Off                   |        |
| EPT LOC Diag Enable                                 | Enable LOC Diagnostic |        |
| HV Battery Voltage from BPCM                        | 180.00                | Volts  |
| Electric Motor B Speed                              | 129.0                 | rpm    |
| Inverter A IGBT Temperature for phase A             | 115                   | °F     |
| Inverter A IGBT Temperature for phase B             | 113                   | °F     |
| Inverter A IGBT Temperature for phase C             | 113                   | °F     |
| Inverter B IGBT Temperature for phase A             | 109                   | °F     |
| Inverter B IGBT Temperature for phase B             | 109                   | °F     |
| Inverter B IGBT Temperature for phase C             | 111                   | °F     |
| APM Status                                          | Idle                  |        |
| Impact Event                                        | False                 |        |
| HCP System Shutdown Command                         | Default               |        |
| Distance Travelled with Light ON                    | 0                     | miles  |
| Motor A Torque                                      | 0.000                 | Ft-Lbs |
| Motor B Torque                                      | 0.000                 | Ft-Lbs |
| OBCM Operating Mode                                 | UTC                   |        |
| J1772 Prox Detected State                           | Prox Out              |        |
| HV Battery Sleep Time                               | 0                     | Days   |
| Commanded Inverter A State                          | Torque Control        |        |
| Inverter Status Feedback                            | Inverter Faulted      |        |
| Motor A Phase U Over Voltage Fault VH - High-Side   | False                 |        |
| Motor A Phase U Under Voltage Fault VH - High-Side  | False                 |        |
| Motor A Phase U Over Voltage Fault VL - High-Side   | False                 |        |
| Motor A Phase U Under Voltage Fault VL - High-Side  | False                 |        |
| Motor A Phase U Over Voltage Fault VDD - High-Side  | False                 |        |
| Motor A Phase U Under Voltage Fault VDD - High-Side | False                 |        |
| Motor A Phase U Over Voltage Fault VH - Low-Side    | False                 |        |
| Motor A Phase U Under Voltage Fault VH - Low-Side   | False                 |        |

|                                                                     |                  |         |
|---------------------------------------------------------------------|------------------|---------|
| Motor A Phase U Over Voltage Fault VL - Low-Side                    | False            |         |
| Motor A Phase U Under Voltage Fault VL - Low-Side                   | False            |         |
| Motor A Phase U Over Voltage Fault VDD - Low-Side                   | False            |         |
| Motor A Phase U Under Voltage Fault VDD - Low-Side                  | False            |         |
| Motor A Phase U Comm Error High Voltage Regulator Fault - Low-Side  | False            |         |
| Motor A Phase U Comm Error Low Voltage Regulator Fault - Low-Side   | False            |         |
| Motor A Phase V Over Voltage Fault VH - High-Side                   | False            |         |
| Motor A Phase V Under Voltage Fault VH - High-Side                  | False            |         |
| Motor A Phase V Over Voltage Fault VL - High-Side                   | False            |         |
| Motor A Phase V Under Voltage Fault VL - High-Side                  | False            |         |
| Motor A Phase V Over Voltage Fault VDD - High-SideSide              | False            |         |
| Motor A Phase V Under Voltage Fault VDD - High-Side                 | False            |         |
| Motor A Phase V Over Voltage Fault VH - Low-Side                    | False            |         |
| Motor A Phase V Under Voltage Fault VH - Low-Side                   | False            |         |
| Motor A Phase V Over Voltage Fault VL - Low-Side                    | False            |         |
| Motor A Phase V Under Voltage Fault VL - Low-Side                   | False            |         |
| Motor A Phase V Over Voltage Fault VDD - Low-Side                   | False            |         |
| Motor A Phase V Under Voltage Fault VDD - Low-Side                  | False            |         |
| Motor A Phase V Comm Error High Voltage Regulator Fault - Low-Side  | False            |         |
| Motor A Phase V Comm Error Low Voltage Regulator Fault - Low-Side   | False            |         |
| Motor A Phase W Cross Conduction Fault - High-Side                  | False            |         |
| Motor A Phase W Over Voltage Fault VH - High-Side                   | False            |         |
| Motor A Phase W Under Voltage Fault VH - High-Side                  | False            |         |
| Motor A Phase W Over Voltage Fault VL - High-Side                   | False            |         |
| Motor A Phase W Under Voltage Fault VL - High-Side                  | False            |         |
| Motor A Phase W Over Voltage Fault VDD - High-Side                  | False            |         |
| Motor A Phase W Under Voltage Fault VDD - High-Side                 | False            |         |
| Motor A Phase W Comm Error High Voltage Regulator Fault - High-Side | False            |         |
| Motor A Phase W Over Voltage Fault VH - Low-Side                    | False            |         |
| Motor A Phase W Under Voltage Fault VH - Low-Side                   | False            |         |
| Motor A Phase W Over Voltage Fault VL - Low-Side                    | False            |         |
| Motor A Phase W Under Voltage Fault VL - Low-Side                   | False            |         |
| Motor A Phase W Over Voltage Fault VDD - Low-Side                   | False            |         |
| Motor A Phase W Under Voltage Fault VDD - Low-Side                  | False            |         |
| Motor A Phase W Comm Error High Voltage Regulator Fault - Low-Side  | False            |         |
| Inverter A Status Feedback                                          | Inverter Faulted |         |
| GPS Date - Year                                                     | 0                | Year    |
| GPS Date - Month                                                    | 1                |         |
| GPS Date - Day                                                      | 1                | Days    |
| UTC Time - Hours                                                    | 0                | Hours   |
| UTC Time - Minutes                                                  | 0                |         |
| UTC Time - Seconds                                                  | 0                | seconds |
| ECU Time - Milliseconds                                             | 0                | ms      |

## HCP | P1AEF-00 | Stored | MCPB High Voltage Battery System Voltage High-

| NAME                                                                | VALUE            | UNITS  |
|---------------------------------------------------------------------|------------------|--------|
| DTC                                                                 | 1A EF 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            |        |
| Occurrence flag                                                     | Occurrence       |        |
| Original Odometer Value                                             | 12002.7          | miles  |
| Most Recent Odometer Value                                          | 12070.8          | miles  |
| Frequency Counter                                                   | 2                |        |
| Ignition Cycle Counter                                              | 0                |        |
| Real time clock                                                     | 28685016         | sec    |
| RAM stamps keyOn                                                    | 90               | sec    |
| RAM Stamps                                                          | 602              | Min    |
| Accelerator Pedal Position                                          | 0                | %      |
| Brake Switch Status                                                 | Applied          |        |
| PHEV Charging Status                                                | No Charging      |        |
| Engine Speed                                                        | 1853             | rpm    |
| HV Battery SOC                                                      | 24               | %      |
| Ignition State                                                      | Reserved         |        |
| PRND Position Display                                               | N                |        |
| Propulsion System Active                                            | False            |        |
| Vehicle Speed                                                       | 0.9126           | MPH    |
| Barometric Pressure                                                 | 14               | PSI    |
| Engine Coolant Temperature                                          | 181              | °F     |
| Actual Torque - Motor B                                             | 0.092            | Ft-Lbs |
| Available Motor Torque - Motor B                                    | 3.872            | Ft-Lbs |
| Inverter B Input DC Current                                         | 0.0              | AMP    |
| Electric Motor B Speed                                              | 99.5             | rpm    |
| Commanded Inverter B State                                          | Torque Control   |        |
| Motor B - Inverter Current - phase A                                | -4               | AMP    |
| Motor B - Inverter Current - phase B                                | -4               | AMP    |
| Motor B - Inverter Current - phase C                                | 0                | AMP    |
| Inverter B Status Feedback                                          | Inverter Faulted |        |
| Motor B Phase U Short Fault - High-Side                             | False            |        |
| Motor B Phase U Cross Conduction Fault - High-Side                  | False            |        |
| Motor B Phase U Thermal Warning Fault - High-Side                   | False            |        |
| Motor B Phase U Thermal Shutdown Fault - High-Side                  | False            |        |
| Motor B Phase U Comm Error High Voltage Regulator Fault - High-Side | False            |        |

|                                                                     |       |  |
|---------------------------------------------------------------------|-------|--|
| Motor B Phase U SPI Error Fault - High-Side                         | False |  |
| Motor B Phase U Hardware Error Fault - High-Side                    | False |  |
| Motor B Phase U Short Fault - Low-Side                              | False |  |
| Motor B Phase U Cross Conduction Fault - Low-Side                   | False |  |
| Motor B Phase U Over Current Fault - Low-Side                       | False |  |
| Motor B Phase U Thermal Warning Fault - Low-Side                    | False |  |
| Motor B Phase U Thermal Shutdown Fault - Low-Side                   | False |  |
| Motor B Phase U Comm Error High Voltage Regulator Fault - Low-Side  | False |  |
| Motor B Phase U Comm Error Low Voltage Regulator Fault - Low-Side   | False |  |
| Motor B Phase U SPI Error Fault - Low-Side                          | False |  |
| Motor B Phase U Hardware Error Fault - Low-Side                     | False |  |
| Motor B Phase V Short Fault - High-Side                             | False |  |
| Motor B Phase V Cross Conduction Fault - High-Side                  | False |  |
| Motor B Phase V Over Current Fault - High-Side                      | False |  |
| Motor B Phase V Thermal Warning Fault - High-Side                   | False |  |
| Motor B Phase V Thermal Shutdown Fault - High-Side                  | False |  |
| Motor B Phase V Comm Error High Voltage Regulator Fault - High-Side | False |  |
| Motor B Phase V Comm Error Low Voltage Regulator Fault - High-Side  | False |  |
| Motor B Phase V SPI Error Fault - High-Side                         | False |  |
| Motor B Phase V Hardware Error Fault - High-Side                    | False |  |
| Motor B Phase V Short Fault - Low-Side                              | False |  |
| Motor B Phase V Cross Conduction Fault - Low-Side                   | False |  |
| Motor B Phase V Over Current Fault - Low-Side                       | False |  |
| Motor B Phase V Thermal Warning Fault - Low-Side                    | False |  |
| Motor B Phase V Thermal Shutdown Fault - Low-Side                   | False |  |
| Motor B Phase V Comm Error High Voltage Regulator Fault - Low-Side  | False |  |
| Motor B Phase V Comm Error Low Voltage Regulator Fault - Low-Side   | False |  |
| Motor B Phase V SPI Error Fault - Low-Side                          | False |  |
| Motor B Phase V Hardware Error Fault - Low-Side                     | False |  |
| Motor B Phase W Short Fault - High-Side                             | False |  |
| Motor B Phase W Cross Conduction Fault - High-Side                  | False |  |
| Motor B Phase W Over Current Fault - High-Side                      | False |  |
| Motor B Phase W Thermal Warning Fault - High-Side                   | False |  |
| Motor B Phase W Comm Error High Voltage Regulator Fault - High-Side | False |  |
| Motor B Phase W Comm Error Low Voltage Regulator Fault - High-Side  | False |  |
| Motor B Phase W SPI Error Fault - High-Side                         | False |  |
| Motor B Phase W Hardware Error Fault - High-Side                    | False |  |
| Motor B Phase W Short Fault - Low-Side                              | False |  |
| Motor B Phase W Cross Conduction Fault - Low-Side                   | False |  |
| Motor B Phase W Over Current Fault - Low-Side                       | False |  |
| Motor B Phase W Thermal Warning Fault - Low-Side                    | False |  |
| Motor B Phase W Thermal Shutdown Fault - Low-Side                   | False |  |
| Motor B Phase W Comm Error High Voltage Regulator Fault - Low-Side  | False |  |
| Motor B Phase W Comm Error Low Voltage Regulator Fault - Low-Side   | False |  |

|                                                 |                       |        |
|-------------------------------------------------|-----------------------|--------|
| Motor B Phase W SPI Error Fault - Low-Side      | False                 |        |
| Motor B Phase W Hardware Error Fault - Low-Side | False                 |        |
| Motor B Resolver Supply Voltage Value           | 15.75                 | Volts  |
| Battery Feed Voltage 2 Sense                    | 12.816                | Volts  |
| Internal EPS Voltage Sense A                    | 8.280                 | Volts  |
| Internal EPS Voltage Sense B                    | 8.136                 | Volts  |
| Battery Feed Voltage 1 Sense                    | 12.816                | Volts  |
| Battery Feed Voltage 3 Sense                    | 12.816                | Volts  |
| Hybrid System State                             | Reserved              |        |
| Actual Torque - Motor A                         | 0.000                 | Ft-Lbs |
| Available Motor Torque - Motor A                | 3.872                 | Ft-Lbs |
| Available Regen Torque - Motor A                | -11.707               | Ft-Lbs |
| Available Regen Torque - Motor B                | -7.375                | Ft-Lbs |
| Commanded Torque - Motor A                      | -12.168               | Ft-Lbs |
| Commanded Torque - Motor B                      | -7.743                | Ft-Lbs |
| Motor A - Inverter Current - phase A            | -4                    | AMP    |
| Motor A - Inverter Current - phase B            | -4                    | AMP    |
| Motor A - Inverter Current - phase C            | 0                     | AMP    |
| Motor A Resolver Angle                          | 18                    | Degree |
| Motor A Temp Sensor                             | 127                   | °F     |
| Outside Air Temperature                         | 84.2                  | °F     |
| HCP ePT Wake-Up Output                          | On                    |        |
| CBC Wake-Up Input                               | Off                   |        |
| EPT LOC Diag Enable                             | Enable LOC Diagnostic |        |
| HV Contactor Status                             | Open                  |        |
| HV Battery Voltage from BPCM                    | 180.00                | Volts  |
| Electric Motor A Speed                          | 7192.0                | rpm    |
| PIM DC Link Voltage - A                         | 392                   | Volts  |
| PIM DC Link Voltage - B                         | 395                   | Volts  |
| Inverter A IGBT Temperature for phase A         | 115                   | °F     |
| Inverter A IGBT Temperature for phase B         | 113                   | °F     |
| Inverter A IGBT Temperature for phase C         | 113                   | °F     |
| Inverter B IGBT Temperature for phase A         | 109                   | °F     |
| Inverter B IGBT Temperature for phase B         | 109                   | °F     |
| Inverter B IGBT Temperature for phase C         | 111                   | °F     |
| APM Status                                      | Idle                  |        |
| Impact Event                                    | False                 |        |
| HCP System Shutdown Command                     | Default               |        |
| Distance Travelled with Light ON                | 0                     | miles  |
| Motor A Torque                                  | 0.000                 | Ft-Lbs |
| Motor B Torque                                  | 0.092                 | Ft-Lbs |
| OBCM Operating Mode                             | UTC                   |        |
| J1772 Prox Detected State                       | Prox Out              |        |
| HV Battery Sleep Time                           | 0                     | Days   |



|                                                                    |       |       |
|--------------------------------------------------------------------|-------|-------|
| Motor B Phase U Over Current Fault - High-Side                     | False |       |
| Motor B Phase U Over Voltage Fault VH - High-Side                  | False |       |
| Motor B Phase U Under Voltage Fault VH - High-Side                 | False |       |
| Motor B Phase U Over Voltage Fault VL - High-Side                  | False |       |
| Motor B Phase U Under Voltage Fault VL - High-Side                 | False |       |
| Motor B Phase U Over Voltage Fault VDD - High-Side                 | False |       |
| Motor B Phase U Under Voltage Fault VDD - High-Side                | False |       |
| Motor B Phase U Comm Error Low Voltage Regulator Fault - High-Side | False |       |
| Motor B Phase U Over Voltage Fault VH - Low-Side                   | False |       |
| Motor B Phase U Under Voltage Fault VH - Low-Side                  | False |       |
| Motor B Phase U Over Voltage Fault VL - Low-Side                   | False |       |
| Motor B Phase U Under Voltage Fault VL - Low-Side                  | False |       |
| Motor B Phase U Over Voltage Fault VDD - Low-Side                  | False |       |
| Motor B Phase U Under Voltage Fault VDD - Low-Side                 | False |       |
| Motor B Phase V Over Voltage Fault VH - High-Side                  | False |       |
| Motor B Phase V Under Voltage Fault VH - High-Side                 | False |       |
| Motor B Phase V Over Voltage Fault VL - High-Side                  | False |       |
| Motor B Phase V Under Voltage Fault VL - High-Side                 | False |       |
| Motor B Phase V Over Voltage Fault VDD - High-Side                 | False |       |
| Motor B Phase V Under Voltage Fault VDD - High-Side                | False |       |
| Motor B Phase V Over Voltage Fault VH - Low-Side                   | False |       |
| Motor B Phase V Under Voltage Fault VH - Low-Side                  | False |       |
| Motor B Phase V Over Voltage Fault VL - Low-Side                   | False |       |
| Motor B Phase V Under Voltage Fault VL - Low-Side                  | False |       |
| Motor B Phase V Over Voltage Fault VDD - Low-Side                  | False |       |
| Motor B Phase V Under Voltage Fault VDD - Low-Side                 | False |       |
| Motor B Phase W Over Voltage Fault VH - High-Side                  | False |       |
| Motor B Phase W Under Voltage Fault VH - High-Side                 | False |       |
| Motor B Phase W Over Voltage Fault VL - High-Side                  | False |       |
| Motor B Phase W Under Voltage Fault VL - High-Side                 | False |       |
| Motor B Phase W Over Voltage Fault VDD - High-Side                 | False |       |
| Motor B Phase W Under Voltage Fault VDD - High-Side                | False |       |
| Motor B Phase W Thermal Shutdown Fault - High-Side                 | False |       |
| Motor B Phase W Over Voltage Fault VH - Low-Side                   | False |       |
| Motor B Phase W Under Voltage Fault VH - Low-Side                  | False |       |
| Motor B Phase W Over Voltage Fault VL - Low-Side                   | False |       |
| Motor B Phase W Under Voltage Fault VL - Low-Side                  | False |       |
| Motor B Phase W Over Voltage Fault VDD - Low-Side                  | False |       |
| Motor B Phase W Under Voltage Fault VDD - Low-Side                 | False |       |
| GPS Date - Year                                                    | 0     | Year  |
| GPS Date - Month                                                   | 1     |       |
| GPS Date - Day                                                     | 1     | Days  |
| UTC Time - Hours                                                   | 0     | Hours |
| UTC Time - Minutes                                                 | 0     |       |



|                         |   |         |
|-------------------------|---|---------|
| UTC Time - Seconds      | 0 | seconds |
| ECU Time - Milliseconds | 0 | ms      |

### HCP | U0111-00 | Stored | Lost Communication With Battery Energy Control Module-

| NAME                                    | VALUE       | UNITS  |
|-----------------------------------------|-------------|--------|
| DTC                                     | C1 11 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             | True        |        |
| Occurrence flag                         | Occurrence  |        |
| Original Odometer Value                 | 12002.7     | miles  |
| Most Recent Odometer Value              | 12167.9     | miles  |
| Frequency Counter                       | 3           |        |
| Ignition Cycle Counter                  | 0           |        |
| Real time clock                         | 28887260    | sec    |
| RAM stamps keyOn                        | 285         | sec    |
| RAM Stamps                              | 960         | Min    |
| Accelerator Pedal Position              | 0           | %      |
| Brake Switch Status                     | Not Applied |        |
| Engine Speed                            | 1228        | rpm    |
| HV Battery SOC                          | 24          | %      |
| Ignition State                          | Reserved    |        |
| PRND Position Display                   | D           |        |
| Propulsion System Active                | True        |        |
| Vehicle Speed                           | 44.3698     | MPH    |
| Motor A Temp Sensor                     | 136         | °F     |
| Motor B Temp Sensor                     | 133         | °F     |
| Barometric Pressure                     | 14          | PSI    |
| Engine Coolant Temperature              | 187         | °F     |
| Internal EPS Voltage Sense A            | 8.280       | Volts  |
| Internal EPS Voltage Sense B            | 8.136       | Volts  |
| Motor A Torque                          | -21.571     | Ft-Lbs |
| Motor B Torque                          | -23.691     | Ft-Lbs |
| Actual Torque - Motor A                 | -21.571     | Ft-Lbs |
| Actual Torque - Motor B                 | -23.691     | Ft-Lbs |
| Available Motor Torque - Motor A        | 87.205      | Ft-Lbs |
| Available Motor Torque - Motor B        | 162.611     | Ft-Lbs |
| Available Regen Torque - Motor A        | -87.205     | Ft-Lbs |
| Available Regen Torque - Motor B        | -162.611    | Ft-Lbs |

|                                         |                          |        |
|-----------------------------------------|--------------------------|--------|
| Commanded Torque - Motor A              | -21.018                  | Ft-Lbs |
| Commanded Torque - Motor B              | -24.428                  | Ft-Lbs |
| Motor A - Inverter Current - phase A    | -48                      | AMP    |
| Motor A - Inverter Current - phase B    | -48                      | AMP    |
| Motor A - Inverter Current - phase C    | 92                       | AMP    |
| Motor B - Inverter Current - phase A    | 40                       | AMP    |
| Motor B - Inverter Current - phase B    | -52                      | AMP    |
| Motor B - Inverter Current - phase C    | 4                        | AMP    |
| Motor B Resolver Angle                  | 76                       | Degree |
| Motor A Resolver Angle                  | 356                      | Degree |
| Electric Motor A Speed                  | -798.0                   | rpm    |
| Electric Motor B Speed                  | 4888.5                   | rpm    |
| PIM DC Link Voltage - A                 | 346                      | Volts  |
| PIM DC Link Voltage - B                 | 345                      | Volts  |
| HCP ePT Wake-Up Output                  | On                       |        |
| CBC Wake-Up Input                       | Off                      |        |
| HCP System Shutdown Command             | Default                  |        |
| HV Battery Voltage from BPCM            | 345.30                   | Volts  |
| SW Build Release Version                | PIM_C19A_2105A0_RU_HCP__ |        |
| HCP SW Version                          | C19A                     |        |
| EPT LOC Diag Enable                     | Enable LOC Diagnostic    |        |
| HV Contactor Status                     | Closed                   |        |
| APM Status                              | Buck CV                  |        |
| Impact Event                            | False                    |        |
| Outside Air Temperature                 | 68.0                     | °F     |
| OBCM Operating Mode                     | UTC                      |        |
| J1772 Prox Detected State               | Prox Out                 |        |
| HV Battery Sleep Time                   | 0                        | Days   |
| Battery Feed Voltage 1 Sense            | 14.616                   | Volts  |
| Battery Feed Voltage 2 Sense            | 14.616                   | Volts  |
| Battery Feed Voltage 3 Sense            | 14.616                   | Volts  |
| Hybrid System State                     | Propulsion System Active |        |
| Inverter A IGBT Temperature for phase A | 108                      | °F     |
| Inverter A IGBT Temperature for phase B | 104                      | °F     |
| Inverter A IGBT Temperature for phase C | 104                      | °F     |
| Inverter B IGBT Temperature for phase A | 99                       | °F     |
| Inverter B IGBT Temperature for phase B | 99                       | °F     |
| Inverter B IGBT Temperature for phase C | 99                       | °F     |
| PHEV Charging Status                    | No Charging              |        |
| Distance Travelled with Light ON        | 0                        | miles  |
| GPS Date - Year                         | 0                        | Year   |
| GPS Date - Month                        | 1                        |        |
| GPS Date - Day                          | 1                        | Days   |
| UTC Time - Hours                        | 0                        | Hours  |

|                         |   |         |
|-------------------------|---|---------|
| UTC Time - Minutes      | 0 |         |
| UTC Time - Seconds      | 0 | seconds |
| ECU Time - Milliseconds | 0 | ms      |

#### HCP | U0298-00 | Stored | Lost Communication With DC to DC Converter Control Module "A"-

| NAME                                    | VALUE      | UNITS  |
|-----------------------------------------|------------|--------|
| DTC                                     | C2 98 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      |        |
| Occurrence flag                         | Occurrence |        |
| Original Odometer Value                 | 12002.7    | miles  |
| Most Recent Odometer Value              | 12070.8    | miles  |
| Frequency Counter                       | 2          |        |
| Ignition Cycle Counter                  | 11         |        |
| Real time clock                         | 28685016   | sec    |
| RAM stamps keyOn                        | 90         | sec    |
| RAM Stamps                              | 602        | Min    |
| Accelerator Pedal Position              | 0          | %      |
| Brake Switch Status                     | Applied    |        |
| Engine Speed                            | 1405       | rpm    |
| HV Battery SOC                          | 24         | %      |
| Ignition State                          | Reserved   |        |
| PRND Position Display                   | D          |        |
| Propulsion System Active                | True       |        |
| Vehicle Speed                           | 0.7282     | MPH    |
| Motor A Temp Sensor                     | 127        | °F     |
| Motor B Temp Sensor                     | 133        | °F     |
| Barometric Pressure                     | 14         | PSI    |
| Engine Coolant Temperature              | 181        | °F     |
| Internal EPS Voltage Sense A            | 8.280      | Volts  |
| Internal EPS Voltage Sense B            | 8.136      | Volts  |
| Motor A Torque                          | -15.210    | Ft-Lbs |
| Motor B Torque                          | -7.375     | Ft-Lbs |
| Actual Torque - Motor A                 | -15.210    | Ft-Lbs |
| Actual Torque - Motor B                 | -7.375     | Ft-Lbs |
| Available Motor Torque - Motor A        | 85.730     | Ft-Lbs |
| Available Motor Torque - Motor B        | 235.988    | Ft-Lbs |
| Available Regen Torque - Motor A        | -85.730    | Ft-Lbs |

|                                         |                          |        |
|-----------------------------------------|--------------------------|--------|
| Available Regen Torque - Motor B        | -235.988                 | Ft-Lbs |
| Commanded Torque - Motor A              | -15.026                  | Ft-Lbs |
| Commanded Torque - Motor B              | -7.467                   | Ft-Lbs |
| Motor A - Inverter Current - phase A    | -36                      | AMP    |
| Motor A - Inverter Current - phase B    | -44                      | AMP    |
| Motor A - Inverter Current - phase C    | 72                       | AMP    |
| Motor B - Inverter Current - phase A    | 4                        | AMP    |
| Motor B - Inverter Current - phase B    | -16                      | AMP    |
| Motor B - Inverter Current - phase C    | 0                        | AMP    |
| Motor B Resolver Angle                  | 42                       | Degree |
| Motor A Resolver Angle                  | 6                        | Degree |
| Electric Motor A Speed                  | 5713.0                   | rpm    |
| Electric Motor B Speed                  | 101.5                    | rpm    |
| PIM DC Link Voltage - A                 | 344                      | Volts  |
| PIM DC Link Voltage - B                 | 343                      | Volts  |
| HCP ePT Wake-Up Output                  | On                       |        |
| CBC Wake-Up Input                       | Off                      |        |
| HCP System Shutdown Command             | Default                  |        |
| HV Battery Voltage from BPCM            | 343.30                   | Volts  |
| SW Build Release Version                | PIM_C19A_2105A0_RU_HCP__ |        |
| HCP SW Version                          | C19A                     |        |
| EPT LOC Diag Enable                     | Enable LOC Diagnostic    |        |
| HV Contactor Status                     | Closed                   |        |
| APM Status                              | Buck CV                  |        |
| Impact Event                            | False                    |        |
| Outside Air Temperature                 | 84.2                     | °F     |
| OBCM Operating Mode                     | UTC                      |        |
| J1772 Prox Detected State               | Prox Out                 |        |
| HV Battery Sleep Time                   | 0                        | Days   |
| Battery Feed Voltage 1 Sense            | 14.472                   | Volts  |
| Battery Feed Voltage 2 Sense            | 14.472                   | Volts  |
| Battery Feed Voltage 3 Sense            | 14.472                   | Volts  |
| Hybrid System State                     | Propulsion System Active |        |
| Inverter A IGBT Temperature for phase A | 117                      | °F     |
| Inverter A IGBT Temperature for phase B | 113                      | °F     |
| Inverter A IGBT Temperature for phase C | 115                      | °F     |
| Inverter B IGBT Temperature for phase A | 111                      | °F     |
| Inverter B IGBT Temperature for phase B | 111                      | °F     |
| Inverter B IGBT Temperature for phase C | 111                      | °F     |
| PHEV Charging Status                    | No Charging              |        |
| Distance Travelled with Light ON        | 0                        | miles  |
| GPS Date - Year                         | 0                        | Year   |
| GPS Date - Month                        | 1                        |        |
| GPS Date - Day                          | 1                        | Days   |

|                         |   |         |
|-------------------------|---|---------|
| UTC Time - Hours        | 0 | Hours   |
| UTC Time - Minutes      | 0 |         |
| UTC Time - Seconds      | 0 | seconds |
| ECU Time - Milliseconds | 0 | ms      |

**OBCM | U0293-00 | Stored | Lost Communication with Hybrid Control Module "A"-**

| NAME                                        | VALUE     | UNITS |
|---------------------------------------------|-----------|-------|
| DTC                                         | C2 93 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                     | 12000     | miles |
| Most Recent Odometer Value                  | 12000     | miles |
| Frequency Counter                           | 1         |       |
| Ignition Cycle Counter                      | 52        |       |
| DTC Extended Data Record Number - Record #2 | 2C        |       |
| OBCM Status AC Present                      | AC Not OK |       |
| AC Line Low                                 | Not Valid |       |
| AC Line High                                | Not Valid |       |
| AC Side Current                             | 0.60      | Amps  |
| AC Side Volt                                | 1.7       | Volts |
| HCP (EVCU) AC Current Max Cal               | -0.50     | Amps  |
| HCP (EVCU) Voltage Request                  | 0         | Volts |
| HCP (EVCU) Current Request                  | 0.00      | AMP   |
| Battery Not Detected                        | False     |       |
| Battery Voltage Under Min                   | Not Valid |       |
| Battery Voltage Over Max                    | Not Valid |       |
| Battery Side Current                        | 0.30      | Amps  |
| Battery Side Voltage                        | 160.6     | Volts |
| HV OC                                       | False     |       |
| HV OV                                       | False     |       |
| HCP (EVCU) HV Current Max Cal               | -12.00    | Amps  |
| HCP (EVCU) HV Volt Max Cal                  | 152       | Volt  |
| HCP (EVCU) HV Volt Min Cal                  | 244       | Volt  |
| OBCM Temperature 1                          | 102       | °F    |
| OBCM Temperature 2                          | 104       | °F    |
| OBCM Temperature 3                          | 88        | °F    |

|                                           |                                  |       |
|-------------------------------------------|----------------------------------|-------|
| OBCM Temperature 4                        | 86                               | °F    |
| NTC1 OT                                   | False                            |       |
| NTC2 OT                                   | False                            |       |
| NTC3 OT                                   | False                            |       |
| NTC4 OT                                   | False                            |       |
| External OBCM Inlet Temperature (CAN)     | -40                              | °F    |
| J1772 ICA                                 | 0                                | AMP   |
| J1772 S2 Close                            | Open                             |       |
| J1772 Stat                                | Veh Not Connected                |       |
| J1772 S2 Status                           | Open                             |       |
| Control Pilot Amplitude                   | 0.012                            | Volts |
| Control Pilot Duty Cycle                  | 0.00                             | %     |
| Control Pilot Frequency                   | 1024                             | Hz    |
| EVSE Pilot Stat                           | NO EVSE                          |       |
| Prox Stat                                 | Prox Out                         |       |
| Prox Voltage                              | 4.485                            | Volt  |
| OBC Idle Tml                              | 122                              | hrs   |
| Watt-Hours of AC Power                    | 0                                | W-Hrs |
| Watt Hours of Charge the HV Bus           | 0                                | W-Hrs |
| OBCM Mode                                 | UTC                              |       |
| OBCM Charger Ready                        | Off                              |       |
| OBCM WU Status                            | Off                              |       |
| Charge Enable Status                      | Chrg Disable                     |       |
| HCP (EVCU) Shutdown Command               | EVCU Operational                 |       |
| HCP (EVCU) Enable Charge Command          | Charge disable                   |       |
| HCP (EVCU) OBC Mode Request               | Idle                             |       |
| Generic Fail Sts                          | No Functional Fail Present       |       |
| Chrg Fail Sts                             | Faulted - Charging Inhibited     |       |
| OBCM Wake Up Reason                       | Master Wake Up                   |       |
| OBC Control Mth                           | Current                          |       |
| OBCM Deraing Reason                       | No Derating                      |       |
| Close Chrgr Cntctr                        | Open                             |       |
| Chrgr Cntctr Stat                         | Open                             |       |
| Chrg Mode                                 | Charge Mode                      |       |
| OBCM Fault Reason                         | Internal OBCM high voltage Fault |       |
| Module A Primary - PFC Temperature        | 86                               | °F    |
| Module A Primary - LLC Temperature        | 84                               | °F    |
| Module A Secondary - Buck Temperature     | 86                               | °F    |
| Module A Secondary - Ambient Temperature  | 104                              | °F    |
| Module A Primary - AC Side Volt           | 1.3                              | Volts |
| Module A Primary - AC Side Current        | -24.70                           | Amps  |
| Module A Secondary - Battery Side Voltage | 160.7                            | Volts |
| Module A Secondary - Battery Side Current | -24.90                           | Amps  |
| Module A Secondary - Buck Output Voltage  | 0.1                              | Volts |

|                                                  |        |       |
|--------------------------------------------------|--------|-------|
| Module B Primary - PFC Temperature               | 90     | °F    |
| Module B Primary - LLC Temperature               | 88     | °F    |
| Module B Secondary - Buck Temperature            | 88     | °F    |
| Module B Secondary - Ambient Temperature         | 102    | °F    |
| Module B Primary - AC Side Volt                  | 2.1    | Volts |
| Module B Primary - AC Side Current               | -24.70 | Amps  |
| Module B Secondary - Battery Side Voltage        | 160.6  | Volts |
| Module B Secondary - Battery Side Current        | -24.80 | Amps  |
| Module B Secondary - Buck Output Voltage         | 0.1    | Volts |
| OBCM - HV Over Voltage Protect                   | False  |       |
| OBCM - LV Aux Over Voltage Protect               | False  |       |
| OBCM - LV Aux Under Voltage Protect              | False  |       |
| OBCM - LLC Over Voltage Protect                  | False  |       |
| OBCM - LLC Under Voltage Protect                 | False  |       |
| OBCM - PFC Over Voltage Protect                  | False  |       |
| OBCM - PFC Under Voltage Protect                 | False  |       |
| OBCM - Battery 12V Under Voltage Protect         | False  |       |
| OBCM - Battery 12V Over Voltage Protect          | False  |       |
| OBCM - AC Under Voltage Protect                  | False  |       |
| OBCM - AC Over Voltage Protect                   | False  |       |
| OBCM - AC Over Current Protect                   | False  |       |
| OBCM - HV Voltage Over MaxCal Protect            | False  |       |
| OBCM - HV Over Current Protect                   | False  |       |
| OBCM - Power Stage Over Voltage Protect          | False  |       |
| OBCM - Internal Memory Fault                     | False  |       |
| OBCM - Over Temperature Protect                  | False  |       |
| OBCM - HCP Loss of Communication Protect         | True   |       |
| OBCM - Loss BPCM Communication Protect           | False  |       |
| OBCM - CAN Bus Off                               | False  |       |
| OBCM - Pilot Duty Fault                          | False  |       |
| OBCM - Prox Range To Low                         | False  |       |
| OBCM - Prox Range To High                        | False  |       |
| OBCM - HV Voltage Under MinCal Protect           | False  |       |
| OBCM - SPI Communication Fault                   | False  |       |
| OBCM - Pilot Short To Battery                    | False  |       |
| OBCM - WakeUp Output Stuck Low                   | False  |       |
| OBCM - WakeUp Output Stuck High                  | False  |       |
| OBCM - ORC Loss of Communication                 | False  |       |
| OBCM - HV Battery Not Contact                    | False  |       |
| OBCM - Loss Communication Protect                | False  |       |
| OBCM - Receive HV Battery Contact Open From BPCM | True   |       |
| OBCM - Secondary Aux Over Voltage Protect        | False  |       |
| OBCM - Secondary Aux Under Voltage Protect       | False  |       |
| OBCM - Primary Aux Over Voltage Protect          | False  |       |

|                                                               |       |  |
|---------------------------------------------------------------|-------|--|
| OBCM - Primary Aux Under Voltage Protect                      | False |  |
| OBCM - Stuck Shutdown                                         | False |  |
| OBCM - Cycle Shutdown                                         | False |  |
| OBCM - HV Under Voltage Protect                               | False |  |
| OBCM - Vehicle Impact                                         | False |  |
| OBCM - ARC/CRC Fault                                          | False |  |
| OBCM - AC Contact Welded Fault                                | False |  |
| Control Pilot Open fault                                      | False |  |
| Prox open fault                                               | False |  |
| OBCM - Internal S2 Switch Low Fault                           | False |  |
| OBCM - Internal S2 Switch High Fault                          | False |  |
| OBCM - Pilot Range Fault                                      | False |  |
| OBCM - Prox Range Fault                                       | False |  |
| force shutdown fault                                          | False |  |
| pilot signal wake up issue because of EVSE                    | False |  |
| HCP stuck low fault                                           | False |  |
| HCP stuck High fault                                          | False |  |
| Plant mode flag                                               | False |  |
| Retry fault flag                                              | False |  |
| Loss SBC communication (SPI)                                  | False |  |
| pilot input short to ground fault                             | False |  |
| pilot input short to battery fault in Driver mode detecting   | False |  |
| pilot short to ground fault in driver mode detecting          | False |  |
| Charging ready line open fault                                | False |  |
| Pilot frequency range fault                                   | False |  |
| OBCM - Internal S2 Switch High Fault in Driver mode detecting | False |  |
| Module A Primary - AC Under Voltage Protect                   | True  |  |
| Module A Primary - PFC Power Limit                            | False |  |
| Module A Primary - PFC Enable States                          | False |  |
| Module A Primary - LLC Enable States                          | False |  |
| Module A Primary - PFC Under Voltage Protect                  | False |  |
| Module A Primary - PFC Over Voltage Protect                   | False |  |
| Module A Primary - Over Temperature Protect                   | False |  |
| Module A Primary - Hot Warning                                | False |  |
| Module A Primary - AC Present                                 | False |  |
| Module A Primary - PFC Over Temperature Protect               | False |  |
| Module A Primary - LLC Over Temperature Protect               | False |  |
| Module A Primary - PFC Hot Warning                            | False |  |
| Module A Primary - LLC Hot Warning                            | False |  |
| Module A Primary - AC Over Voltage Protect                    | True  |  |
| Module A Primary - Relay Enable States                        | False |  |
| Module A Primary - Aux Over Voltage Protect                   | False |  |
| Module A Primary - Aux Under Voltage Protect                  | False |  |
| Module A Primary - Secondary Micro Enable Command             | False |  |



|                                                         |       |  |
|---------------------------------------------------------|-------|--|
| Module A Primary - AC Vin Lost                          | False |  |
| Module A Primary - Loss Communication Protect           | False |  |
| Module A Primary - Standby Mode                         | False |  |
| Module A Primary - Operate Mode                         | False |  |
| Module A Primary - Shutdown Mode                        | False |  |
| Module A Secondary - Aux Enable States                  | False |  |
| Module A Secondary - HV Enable States                   | False |  |
| Module A Secondary - LLC Under Voltage Protect          | False |  |
| Module A Secondary - LLC Over Voltage Protect           | False |  |
| Module A Secondary - HV Over Voltage Protect            | False |  |
| Module A Secondary - HV Over Current Protect            | False |  |
| Module A Secondary - Over Temperature Protect           | False |  |
| Module A Secondary - Hot Warning                        | False |  |
| Module A Secondary - HV Over Temperature Protect        | False |  |
| Module A Secondary - Ambient Over Temperature Protect   | False |  |
| Module A Secondary - HV Hot Warning                     | False |  |
| Module A Secondary - Ambient Hot Warning                | False |  |
| Module A Secondary - Aux Over Voltage Protect           | False |  |
| Module A Secondary - Aux Under Voltage Protect          | False |  |
| Module A Secondary - Loss Primary Communication Protect | False |  |
| Module A Secondary - LV Micro Enable Command            | False |  |
| Module A Secondary - Loss LV Communication Protect      | False |  |
| Module A Secondary - Primary Turn On States             | False |  |
| Module A Secondary - Primary Shutdown States            | False |  |
| Module A Secondary - HV Under Voltage Protect           | False |  |
| Module A Secondary - Standby Mode                       | False |  |
| Module A Secondary - Operate Mode                       | False |  |
| Module A Secondary - Shutdown Mode                      | False |  |
| Module A Secondary - LV Micro Disable Command           | False |  |
| Module A Secondary - PFC High Temperature Derating      | False |  |
| Module A Secondary - PFC Low Temperature Derating       | False |  |
| Module A Secondary - LLC High Temperature Derating      | False |  |
| Module A Secondary - LLC Low Temperature Derating       | False |  |
| Module A Secondary - HV High Temperature Derating       | False |  |
| Module A Secondary - HV Low Temperature Derating        | False |  |
| Module A Secondary - Ambient High Temperature Derating  | False |  |
| Module A Secondary - Ambient Low Temperature Derating   | False |  |
| Module A Secondary - AC Input Voltage Derating          | False |  |
| Module A Secondary - HV Output Voltage Derating         | False |  |
| Module B Primary - AC Under Voltage Protect             | True  |  |
| Module B Primary - PFC Power Limit                      | False |  |
| Module B Primary - PFC Enable States                    | False |  |
| Module B Primary - LLC Enable States                    | False |  |
| Module B Primary - PFC Under Voltage Protect            | False |  |

|                                                         |       |  |
|---------------------------------------------------------|-------|--|
| Module B Primary - PFC Over Voltage Protect             | False |  |
| Module B Primary - Over Temperature Protect             | False |  |
| Module B Primary - Hot Warning                          | False |  |
| Module B Primary - AC Present                           | False |  |
| Module B Primary - PFC Over Temperature Protect         | False |  |
| Module B Primary - LLC Over Temperature Protect         | False |  |
| Module B Primary - PFC Hot Warning                      | False |  |
| Module B Primary - LLC Hot Warning                      | False |  |
| Module B Primary - AC Over Voltage Protect              | True  |  |
| Module B Primary - Relay Enable States                  | False |  |
| Module B Primary - Aux Over Voltage Protect             | False |  |
| Module B Primary - Aux Under Voltage Protect            | False |  |
| Module B Primary - Secondary Micro Enable Command       | False |  |
| Module B Primary - AC Vin Lost                          | False |  |
| Module B Primary - Loss Communication Protect           | False |  |
| Module B Primary - Standby Mode                         | False |  |
| Module B Primary - Operate Mode                         | False |  |
| Module B Primary - Shutdown Mode                        | False |  |
| Module B Secondary - Aux Enable States                  | False |  |
| Module B Secondary - HV Enable States                   | False |  |
| Module B Secondary - LLC Under Voltage Protect          | False |  |
| Module B Secondary - LLC Over Voltage Protect           | False |  |
| Module B Secondary - HV Over Voltage Protect            | False |  |
| Module B Secondary - HV Over Current Protect            | False |  |
| Module B Secondary - Over Temperature Protect           | False |  |
| Module B Secondary - Hot Warning                        | False |  |
| Module B Secondary - HV Over Temperature Protect        | False |  |
| Module B Secondary - Ambient Over Temperature Protect   | False |  |
| Module B Secondary - HV Hot Warning                     | False |  |
| Module B Secondary - Ambient Hot Warning                | False |  |
| Module B Secondary - Aux Over Voltage Protect           | False |  |
| Module B Secondary - Aux Under Voltage Protect          | False |  |
| Module B Secondary - Loss Primary Communication Protect | False |  |
| Module B Secondary - LV Micro Enable Command            | False |  |
| Module B Secondary - Loss LV Communication Protect      | False |  |
| Module B Secondary - Primary Turn On States             | False |  |
| Module B Secondary - Primary Shutdown States            | False |  |
| Module B Secondary - HV Under Voltage Protect           | False |  |
| Module B Secondary - Standby Mode                       | False |  |
| Module B Secondary - Operate Mode                       | False |  |
| Module B Secondary - Shutdown Mode                      | False |  |
| Module B Secondary - LV Micro Disable Command           | False |  |
| Module B Secondary - PFC High Temperature Derating      | False |  |
| Module B Secondary - PFC Low Temperature Derating       | False |  |

|                                                        |                       |     |
|--------------------------------------------------------|-----------------------|-----|
| Module B Secondary - LLC High Temperature Derating     | False                 |     |
| Module B Secondary - LLC Low Temperature Derating      | False                 |     |
| Module B Secondary - HV High Temperature Derating      | False                 |     |
| Module B Secondary - HV Low Temperature Derating       | False                 |     |
| Module B Secondary - Ambient High Temperature Derating | False                 |     |
| Module B Secondary - Ambient Low Temperature Derating  | False                 |     |
| Module B Secondary - AC Input Voltage Derating         | False                 |     |
| Module B Secondary - HV Output Voltage Derating        | False                 |     |
| SBC State_DF00                                         | 00                    |     |
| SBC State_DF80                                         | 00                    |     |
| SBC State_E100                                         | 00                    |     |
| SBC State_E180                                         | 88                    |     |
| SBC State_E300                                         | 00                    |     |
| SBC State_E500                                         | 00                    |     |
| SBC State_E580                                         | 00                    |     |
| OBCM Charge Current Available                          | 0.00                  | AMP |
| BPCM HV Battery Contactor Open                         | True                  |     |
| SBC Bus Off                                            | False                 |     |
| CANSIP Bus Off                                         | False                 |     |
| OBC Charge Time                                        | 0                     | sec |
| OBC Charge Tml                                         | 22786                 | hrs |
| OBC Idle Time                                          | 0                     | sec |
| EPT LOC Diag Enable                                    | Enable LOC Diagnostic |     |
| HCP Shutdown Command                                   | No Shutdown           |     |
| HV Battey Contactor Open                               | False                 |     |
| BPCM Request for HV Contactor                          | False                 |     |
| HV Contactor Status                                    | Open                  |     |
| Ignition on Time for DTC                               | 0                     | sec |

#### ABSO | U0111-00 | Stored | Lost Communication With Battery Energy Control Module-

| NAME                                    | VALUE      | UNITS |
|-----------------------------------------|------------|-------|
| DTC                                     | C1 11 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 | False      |       |
| Warning Indicator Requested             | False      |       |
| Occurrence flag                         | Occurrence |       |
| Controller Event                        | No         |       |
| Mirror Memory                           | No         |       |
| Undervoltage Suspected                  | No         |       |

|                                    |                                 |                  |
|------------------------------------|---------------------------------|------------------|
| Original Odometer Value            | 12000                           | miles            |
| Most Recent Odometer Value         | 12070                           | miles            |
| Frequency Counter                  | 2                               |                  |
| Ignition Cycle Counter             | 8                               |                  |
| Fault Time                         | 850.80                          | S                |
| Current System Mode                | Engine Running                  |                  |
| Previous System Mode               | Engine Running                  |                  |
| System Condition                   | OK                              |                  |
| Supply Voltage Valves              | 14.4                            | V                |
| Brake Pedal Status                 | Pressed                         |                  |
| Supply voltage Pump                | 14.4                            | V                |
| Brake Pedal Travel Sensor Position | 39                              | %                |
| Ignition Unfiltered                | 14.4                            | V                |
| Wheel Speed Left Front             | 1.118                           | MPH              |
| Rotation Direction Left Front      | Forward                         |                  |
| Wheel Speed Right Front            | 1.118                           | MPH              |
| Rotation Direction Right Front     | Forward                         |                  |
| Wheel Speed Left Rear              | 1.118                           | MPH              |
| Rotation Direction Left Rear       | Forward                         |                  |
| Wheel Speed Right Rear             | 1.118                           | MPH              |
| Rotation Direction Right Rear      | Forward                         |                  |
| Steering Wheel Angle               | 192.00                          | °                |
| Longitudinal Acceleration          | -1.08                           | m/s <sup>2</sup> |
| Lateral Acceleration               | -0.22                           | m/s <sup>2</sup> |
| Yaw Rate                           | 1.955                           | °/s              |
| Primary Circuit Pressure           | 141.41                          | PSI              |
| Engine Speed                       | 1387.0                          | rpm              |
| Accelerator Pedal Position         | 0.0                             | %                |
| ABS control                        | Not Active                      |                  |
| ASR control                        | Not Active                      |                  |
| MSR control                        | Not Active                      |                  |
| EBV control                        | Not Active                      |                  |
| ESP Control                        | Not Active                      |                  |
| HSA control                        | Not Active                      |                  |
| HBA control                        | Not Active                      |                  |
| Hold                               | No                              |                  |
| Braking assistance system          | No assistance system is braking |                  |
| Plant Mode                         | No                              |                  |
| EPB Mode Status                    | Static                          |                  |
| BLS High                           | Yes                             |                  |
| BLS Low                            | No                              |                  |
| Park Brake                         | Not Activated                   |                  |
| ESP-OFF mode                       | No                              |                  |
| Clutch                             | Not Activated                   |                  |

|                                     |                   |  |
|-------------------------------------|-------------------|--|
| Stop Coordinator Active             | No                |  |
| Actual Gear                         | 1                 |  |
| Transmission selector lever setting | D                 |  |
| Status Parking Brake Left           | Brake is Released |  |
| Status Parking Brake Right          | Brake is Released |  |
| EPB Switch Status                   | Idle              |  |
| Supplier Internal Code              | 233               |  |

## SNAPSHOT DATA SUMMARY

No Snapshot Data available for U0002-00

No Snapshot Data available for P0A8F-00

No Snapshot Data available for U0293-00

No Snapshot Data available for U0151-00

No Snapshot Data available for U0293-00

No Snapshot Data available for U0151-00

No Snapshot Data available for U0100-00

No Snapshot Data available for P1A21-00

No Snapshot Data available for P167B-00

No Snapshot Data available for P1AEE-00

No Snapshot Data available for P1AEF-00

No Snapshot Data available for U0111-00

No Snapshot Data available for U0298-00

No Snapshot Data available for U0293-00

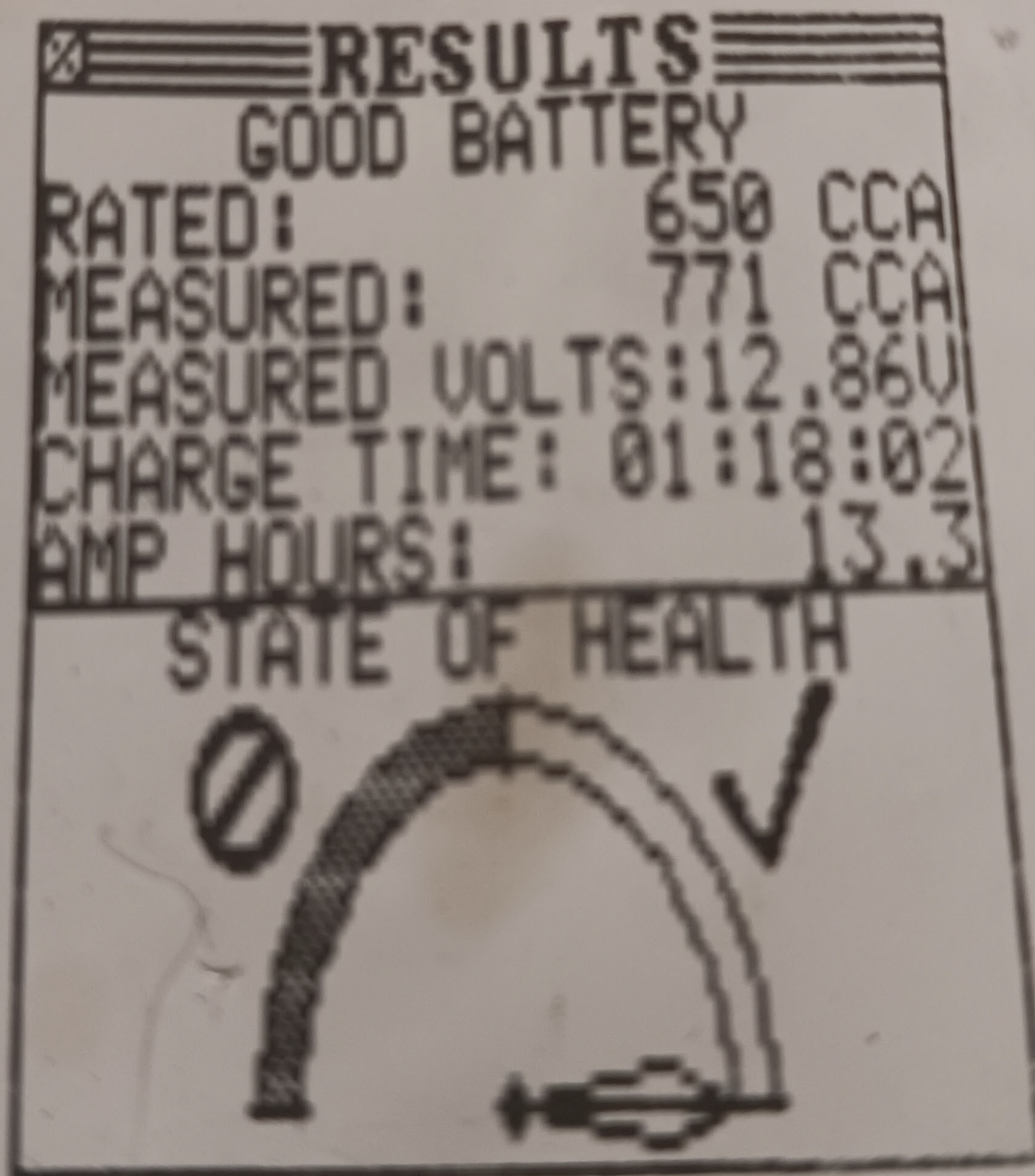
No Snapshot Data available for U0111-00



2:29 PM

# DIAGNOSTIC MODE

Test Info  
CCA 650



Tech SID:

UNREG