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CONFIGURATION REPORT

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

Odometer 11076.6 miles
Publication Date 4/5/2022, 7:08:04 AM

ECU SUMMARY INFO

ECU	NAME	BUS TYPE	FLASH PART #	CURRENT VIN	ORIGINAL VIN	PART #
PCM	Powertrain Control Module	CAN-C	68499122AF	[REDACTED]	[REDACTED]	68499122AF
PLGM	Power Liftgate	CAN-I	68466171AI	[REDACTED]	—	68466171AI
ICS	Integrated Center Stack	CAN-I	7AS341X8AA	[REDACTED]	[REDACTED]	7AS341X8AA
RFH	Radio Frequency Hub	CAN-C	68500152AA	[REDACTED]	[REDACTED]	68500152AA
ESM	Electronic Shifter	CAN-C	68240089AM	[REDACTED]	[REDACTED]	68240089AM
ORC	Occupant Restraint	CAN-C	68480710AC	[REDACTED]	[REDACTED]	68480710AC
EPS	Electric Power Steering	CAN-C	68460392AA	[REDACTED]	[REDACTED]	68460392AA
HVAC	Heat, Ventilation and A/C	CAN-I	68493454AE	[REDACTED]	[REDACTED]	68493454AE
DDM	Driver Door Module	CAN-I	68496461AB	[REDACTED]	[REDACTED]	68496461AB
PDM	Passenger Door Module	CAN-I	68496460AB	[REDACTED]	[REDACTED]	68496460AB
DMRL	Door Module Rear Left	CAN-I	68508894AB	[REDACTED]	[REDACTED]	68508894AB
DMRR	Door Module Rear Right	CAN-I	68508894AB	[REDACTED]	[REDACTED]	68508894AB
PSDML	Power Sliding Doors (Left)	CAN-I	68369596AD	[REDACTED]	[REDACTED]	68369596AD
PSDMR	Power Sliding Doors (Right)	CAN-I	68369596AD	[REDACTED]	[REDACTED]	68369596AD
MSM	Memory Seat Module	CAN-I	68321862AC	[REDACTED]	[REDACTED]	68321862AC
CSWM	Comfort Seat Wheel Module	CAN-I	68517013AB	[REDACTED]	[REDACTED]	68517013AB
AMP	Amplifier	CAN-I	68547722AB	[REDACTED]	[REDACTED]	68547722AB
IPC	Instrument Panel Cluster	CAN-C	68434960AE	[REDACTED]	[REDACTED]	68434960AE
PTS	Parktronics	CAN-C	68485862AA	[REDACTED]	[REDACTED]	68485862AA
SCCM	Steering Column Control Module	CAN-C	68360889AD	[REDACTED]	[REDACTED]	68360889AD
BCM	Body Controller	CAN-C	68491085AG	[REDACTED]	[REDACTED]	68491085AG

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

ECU SUMMARY INFO (CONT...)

ECU	COUNTRY CODE	HARDWARE VERSION	SOFTWARE VERSION	IDENT	CVNS
PCM	USA	1B 47	75 02 00	4422	7DC2E312
PLGM	USA	0	5084	000200000031	
ICS	USA	0F 0C 00	13 31 01	4700	
RFH	USA / USA	10 17 00	13 26 00	4A00	

ESM	USA / USA	0F 24 00	12 28 FF	4402	
ORC	USA / USA	12 1A 00	13 2E 00	4301	
EPS	USA / USA	12 2A 00	12 1E 01	4502	
HVAC	USA	0E 09 00	14 2F 01	4401	
DDM	USA	11 07 00	14 07 00	4202	
PDM	USA	11 07 00	14 07 00	4202	
DMRL	USA / USA	10 0B 00	14 08 00	4201	
DMRR	USA / USA	10 0B 00	14 08 00	4201	
PSDML	USA / USA	10 17 00	14 10 12	4001	
PSDMR	USA / USA	10 17 00	14 10 12	4001	
MSM	USA	0F 2B 00	10 27 03	4101	
CSWM	USA	11 2A 00	14 25 00	4302	
AMP	USA	0F 06 01	15 0F 01	4021	
IPC	USA / USA	12 06 00	14 2B 00	4705	
PTS	USA	0E 32 00	14 07 00	4311	
SCCM	USA	13 28 00	13 29 00	4301	
BCM	USA	0D 11 00	14 26 90	4420	
ACC	USA / USA	14 12 01	14 26 01	4400	
RADIO		65	5671	000200000008	
OCM	USA / USA	11 1F 01	0E 2F 02	4030	
HVACR	USA	0E 09 00	10 03 02	4301	
LBSS	USA / USA	11 30 02	12 0D 00	4202	
RBSS	USA / USA	11 30 02	12 0D 00	4202	
FFCM	USA / USA	11 06 00	13 1E 00	4102	
EDM	USA	12 0A 00	11 08 00	4000	
APM	USA / USA	11 32 00	11 32 00	4001	
BPCM		0E 03 00	14 2C 00	4005	79855957
HCP	USA	11 1F 04	0F 2D 00	4006	879F1587 D754327D 050DC953
OBCM	USA	0F 0D 00	12 02 00	4002	
MSMP	USA	0F 2B 00	10 27 03	4001	
DSM	USA / USA	14 0C 00	14 28 00	4300	
VRM	USA / USA	0F 1C 00	14 1E 14	4001	
RCCC	USA	0F 1D 00	13 04 00	4000	
CVPM	USA / USA	11 27 01	14 0C 01	4004	
EAC	USA	0E 34 00	12 0F 00	4102	
AHCP	USA	11 1F 04	0F 2D 00	4000	
EBBM	USA	0E 19 02	14 0D 18	4000	E5898FA5
ABSO	USA	0E 15 02	14 1B 26	4201	4F158D1B
SGW		5	969	4103	
TBM2	USA	13 0E 02	14 2A 5C	4104	

CONFIGURATION

PCM CONFIGURATION

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

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

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

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

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

ICS CONFIGURATION

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

RFH CONFIGURATION

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

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

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

ORC CONFIGURATION

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

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

EPS CONFIGURATION

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

HVAC CONFIGURATION

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

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

PDM CONFIGURATION

NAME	VALUE	UNITS
Frameless Window	False	

PSDML CONFIGURATION

NAME	VALUE	UNITS
VSIM Status	False	

PSDMR CONFIGURATION

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

MSM CONFIGURATION

NAME	VALUE	UNITS
Adjustable Pedals	False	
Telescope/Tilt	False	

CSWM CONFIGURATION

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

AMP CONFIGURATION

NAME	VALUE	UNITS
Premuim - 2	False	
Premuim - 3	True	
No HALF Chimes	False	

No Rear Doors	False	
Premuim - 1	False	
Non -ANC	False	
ANC Status	Off - Door Mute	
ANC Calibration Date - Year	18	
ANC Calibration Date - Week	45	
ANC Calibration Date - Patch Level	2	
Surround Sound Activated	Not Set	
Door Module - Left Front	Present	
Door Module - Right Rear	Present	
Door Module - Left Rear	Present	
Door Module - Right Front	Present	
Current ANC Calibration ID - Service	RU PHEV 3.6L: Sunroof & Harman AMP	

IPC CONFIGURATION

NAME	VALUE	UNITS
PHEV	True	
Rear Fog Lamp	False	

PTS CONFIGURATION

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

SCCM CONFIGURATION

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

BCM CONFIGURATION

NAME	VALUE	UNITS
Number of Reprogramming Attempts - Counter #0	1	
Vehicle Configuration Programmed Status	True	
Last Programmed Status	Manufacturing	
ECU Configuration 9 (ITM)	4	
ECU Configuration 2 (CBC Features)	4	
Vehicle Config CSM2	4	
ECU Configuration 8 (LIN and Miscellaneous)	4	
Vehicle Configuration 7 - Write Counter	4	
ECU Configuration 6 (Safety)	4	
ECU Configuration 6 (Powertrain)	4	

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

Left/Right Hand Drive	Left Hand Drive	
Shifter Type	5 Position Rotary Eshifter PRNDL / Type RS5L	
Power Inverter Type	No Power Inverter	
Max Load Inflation Pressure Front Tire	36.0	PSI
Rain Sensor Present	Set	
Off Road Capable	Not Set	
SKIM System Present	Not Set	
Air Conditioning Present	Not Set	
Thatcham Present	Not Set	
Cruise Feature is Present	Not Set	
Full Size Spare	Not Set	
Flipper Glass Present	Not Set	
Special Packages IC	Pacifica	
Max Load Inflation Pressure Rear Tire	36.0	PSI
Keyless Go Present	Set	
Power Left Sliding Door Present	Set	
Two Fuel Sending Units Present	Not Set	
ESCL system present	Not Set	
Vehicle Brand	Chrysler	
Disable Display of Radio Clock	Not Set	
HVAC Configuration	Dual Zone ATC + Rear	
Display Outside Temperature Present	Set	
Door Alert Feature Present	Not Set	
FOBIK Safe Enable	Set	
Power Right Sliding Door Present	Set	
Fuel Capacity	17	gallons
T-Case Type	Not Present / Not Present	
Vehicle is an SRT	Not Set	
Police Lighting Feature	Not Set	
Paddle Shift Feature Present	Not Set	
Liftgate/Trunk Type	Power Liftgate	
Forward Collision Warning present	Set	
Auto Park Present	Set	
RKE System Present	Set	
Secondary Lock Present	Not Set	
Passive Entry Present	Set	
ELV Present	Not Set	
Collision Mitigation System present	Set	
Chassis Type	Type 8	
Window Express Feature Configuration	All windows express feature	
Wheel Base	Wheel base not programmed / WB_NP	
Display Compass Heading Present	Set	
Sport Mode Present	Not Set	
Adjustable Pedal Feature Present (non-Memory)	Not Set	

Base TPM system present	Not Set	
High Intensity Discharge Head Lamps	Set	
Premium TPM system present	Set	
Auto Headlamp Feature Present	Set	
Transfer Case High Ratio	1.000	No Unit
Axle Ratio	3.251	
Dynamic Tire Circumference (All or Rear)	89	inch
Transfer Case Low Range Reduction Ratio	0.000	
Air Quality System Present	Not Set	
Analog Door Sensor Configuration	Driver Door Only Analog Sensor	
Steering Ratio at Negative Angle 1	0.0	No Unit
Connector A Pin 3/Connector D Pin 2: Low Beam Output Present	Set	
Connector G Pin 24 (Internally tied to Connector F Pin 7): Ambient Lighting Output	Set	
Connector D Pin 10: Trailer Tow Tail Lamp Output Present	Not Set	
Connector D Pin 9: Trailer Tow Backup Output Present	Not Set	
Connector D Pin 11: Stop/Turn Trailer Tow Left Output Present	Not Set	
Connector F Pin 4: Liftgate Release Present	Not Set	
Connector A Pin 10/Connector D Pin 5: Side Markers Output Present	Set	
Connector G Pin 22: VTA Warning LED Output Present	Set	
Connector D Pin 7: Stop/Turn Trailer Tow Right Output Present	Not Set	
Connector F Pin 8 : Liftgate Release Outside Handle Switch Present	Not Set	
Connector E Pin 48 (Tied internally to Connector A Pin16): Rear Wiper Motor Control Output Present	Set	
Connector F Pin 35: Inverter Enable Relay Output Present	Set	
Connector E Pin 3/Connector F Pin 42: Rear Turn Lamps Output Present	Not Set	
Connector D Pin 22/ Connector D Pin 23: Ambient Temperature Signal/Return Present	Set	
Connector E Pin 39/Connector F Pin 5: Rear Fog Lamps Output Present	Not Set	
Connector F Pin 29: Horn Switch Present	Set	
Connector E Pin 4/Connector F Pin 32: Rear Park Lamps Output Present	Set	
Connector F Pin 23: Door Lock Switch Signal Front Passenger Present	Set	
Connector G Pin 15: UGDO Feed Output Present	Set	
Connector E Pin 7: Left HID Relay Control Output Present	Not Set	
Connector D Pin 12: PHEV ECM Hardwire Wake Up Output Present	Set	
Connector E Pin 11: Vacuum Switch Input	Not Set	
Connector E Pin 34: Vacuum Cleaner Relay Output Present	Not Set	
Connector E Pin 42: Charge Port Lock Output Present	Set	
Connector A Pin 11: Hood Ajar Switch Input Present	Set	
Connector E Pin 29: Rear Wiper Motor Park Signal Present	Set	
Connector F Pin 6: Fuel Door Motor Output Signal Present	Set	
Connector F Pin 9: Analog Door Ajar Signal Front Driver Present	Set	
Connector E Pin 5: PHEV Fuel Door Switch Input	Set	

Connector E Pin 9: Run-ACC Y Relay #2 Output Present	Set	
Connector E Pin 8: PHEV HCP Hardwire Wakeup	Set	
Connector E Pin 41: Charge Port Unlock Output Present	Set	
Connector G Pin 9: Ambient Light Dimmer Wheel Input Present	Set	
Connectro E Pin 37: Right HID Control Output Present	Not Set	
LED Rear Fog Lamps Present	Not Set	
Tip Start Enabled	Set	
Fuel Door Present	Not Set	
Trailer Tow Present	Not Set	
LED Low Beam Lamps Present	Set	
Side Repeaters Enable	Not Set	
LED CHMSL Lamp Present	Set	
LED Front Park/Marker Lamps Present	Set	
Illuminated approach Enabled	Not Set	
DRL Configuration	No DRL	
Park Lamp Loadshed Enable	Set	
Front Wiper Park Enable	Set	
Front Fog Lamp Dropout Enable	Set	
One Touch Lane Change	Set	
LED Front Turn Lamps Present	Not Set	
Combined Rear Lighting Enable	Set	
Reversible Washer Pump Enable	Set	
LED Rear Turn Lamps Present	Not Set	
Exterior Light Loadshed Enable	Set	
LED Dedicated DRL Present	Not Set	
LED Stop Lamps Present	Not Set	
Headlamp Washer Low Fluid Shut-Off Enable	Set	
Tunnel Detection	Not Set	
Dual Start Relay System Present	Not Set	
DRL Dropout Enable	Not Set	
Quad Headlamps Enable	Set	
Front Wiper Wipes After Wash	2 Wipes	
Intermittent Wiper States	4 Intermittent Wiper position Switch	
Rear Wiper Park Enable	Set	
Hazard Lamp Configuration	Latching Switch	
LED Reverse Lamps Present	Not Set	
Headlamp Wash Shot	double	
LED High Beam Lamps Present	Set	
Bi Xenon Headlamps Enable	Not Set	
Headlamp Wash Interval	wash cycle#11	
LED Front Fog Lamps Present	Set	
Headlamp Wash Spray Duration (at 100 ms intervals)	1100ms	
Horn Chirp Allowed	Set	
Combined Front Park/Turn Feature Enable	Not Set	

Wiper Service Position Enabled	Not Set	
LED Tail Lamps Present	Set	
DRL Lamp Location	Low Beam DRL	
Fuel Door Release Enabled	Not Present	
LED License Lamps Present	Set	
Microphone Tuning Parameter	Absent [Not Used]	
Front Park Assist Present	Set	
Microphone Configuration	2 Microphones	
Surround Sound Feature Present	Set	
Disable CD Eject	Not Set	
Rear Camera Present	Not Set	
Heated Steering Wheel Present	Set	
Antenna Type	Active Primary and no secondary antenna	
External Port Type	AUX + USB + extra USB	
Destination	United States of America	
Power Inverter Present	Not Set	
Front Heated Seats Present	Set	
Cabin Equilization Curve Number	RU Premium System - Harman 12ch	
Power Door Locks Present	Set	
Microphone Type	Peiker 300 mv	
Splashscreen Type	Vehicle Brand	
Fleet Vehicle Content	Not Set	
AP1 Left Front	Smart Switch	
AP3 Left Rear	CAN	
Airport Scenario Trunk	Not Set	
AP5 Trunk Lock	Simple Switch	
Vehicle Variant	Undefined	
Tip Start Present	Set	
AP2 Right Front	Smart Switch	
AP4 Right Rear	CAN	
AP5 Trunk Unlock	CAN	
Driver Memory Mirrors Present	Set	
Global Down	Not Set	
Rear Door Pre Short Drop	Not Set	
Electro-chromatic passenger mirror present	Not Set	
Window Hall Sensors Present	Not Set	
Electro-chromatic driver mirror present	Set	
Tow Mirror Present	Not Set	
Frameless Window Present	Not Set	
Passenger Window Lockout	Not Set	
Blindspot Mirror Present	Set	
Passenger Memory Mirror Present	Set	
Puddle Lamp Present	Not Set	
Folding mirrors present	Set	

Window Motor Type	Not Set	
Mirror turn signals present	Set	
Global Up	Not Set	
Heated Mirrors Present	Set	
Sun Shade	Not Set	
Tilt/Telescope Steering Present	Not Set	
Memory Adjustable Pedals Present	Not Set	
Stow 'n Assist Present - Passenger	Set	
Heated Steering Wheel Present	Present	
Heated Seat Material Type	Base Leather	
Heated Wheel Material Type	Full Leather	
Stow 'n Assist Present - Driver	Set	
Front Vented Seats Present	Present	
Driver Memory Seat Present	Set	
Rear Heated Seats Present	Not Present	
Brake System ECU Configuration A	value 0	
Dual Alternator Present	Not Set	
ECO Mode Configuration	Remember Previous State with Ignition Key Cycle	
Connector F Pin 14: Right Sliding Door Switch Input (B-Pillar)	Right B-Pillar Sliding Door Switch	
Manual Door Locks Present	Not Set	
Connector E Pin 28: Secondary Door Ajar Switch Present - PIN E-28	Set	
Connector E Pin 48 (Tied internally to Connector A Pin16): Rear Wiper Motor Control Output Present	Rear Wiper (0)	
Connector F Pin 15: Driver Door Lock Switch Input	Not Present	
Connector F Pin 30: Fuel Door Lock (BUX)	Not Present	
Heatsoak Flush Time	105	Time
Humidy Sensor Long Present	Set	
Auto High Beam Module Location	HaLF	
Connector G Pin11/Connector G Pin 12: Not Used	ERS	
Connctor F Pin 33: Fuel Door Unlock (BUX)	Not Present	
Connector E Pin 39: Right Rear Turn Signal	Right Rear Turn Signal	
CHMSL Lamp Output Disable	Not Set	
Rain Sensor Module #2 Present	Set	
Ambient Stable Counter Limit	40	Counter
License Plate Lamp Disable	Not Set	
Connector F Pin 29: Horn Switch Present	Horn Switch Input	
Engine Off Clear Time	180	Time
Heatsoak Set Time	15	Time
Max Engine Off Time	220	Time
Connector E Pin 3: Left Rear Turn Signal	Left Rear Turn Signal	
Heatsoak Speed	15	Counter
Connector F Pin 13: Left Sliding Door Switch Input (B-Pillar)	Left B-Pillar sliding Door Switch	
Connector F Pin 34: Spare HSD	Not Present	
Connector F Pin 37: Vacuum Cleaner Power Saver Indicator	Not Present	

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

ORC	Set	
AHCP	Set	
ESC	Set	
HCP	Set	
APM	Set	
OBCM	Set	
BPCM	Set	
EBCM	Set	
Flash Lamps on Lock	Set	
Sound Horn On Lock Status	Chirp on 2nd press/SECOND	
Sound Horn on Remote Start	Not Set	
Unlock all doors on 1st press	Set	
Auto Highbeam	Set	
Illuminated Approach Time	30	seconds
Headlamp Delay Time	30	seconds
Daytime Running Lamps	Not Set	
Sliding Door Alert	Set	
Auto Unlock	Set	
Auto Wipers	Set	
Hands Free Sliding Door Enable	Set	
Headlamps on with Wipers	Set	
Accessory Delay Time	45	seconds
Sliding Door Chime Enable	Set	
Sound Horn on Lock	Set	
Auto Lock	Set	
Left Low Beam Voltage Regulation	13.6 Volts	
Left High Beam Voltage Regulation	13.6 Volts	
Front Park/Turn Voltage	Park to Turn ratio 55 Percent	
Left Front Corner Voltage	13.2 Volts	
Left Rear Corner Voltage	14 Volts	
Auto Headlamp On Threshold	3.31409	Volt
Right High Beam Voltage Regulation	13.8 Volts	
Auto Headlamp Off Threshold	2.54930	Volt
Right Low Beam Voltage Regulation	14 Volts	
Right Rear Corner Voltage	14 Volts	
Right Front Corner Voltage	13.4 Volts	
IBS Activate MWU	Not Set	
IBS Minimal Charge Limit	10	AmpHrs
IBS Minimum Voltage Limit	5.0	Volts
Battery Types	SNA	
Battery Type II	22	
IBS Minimum Charge Limit	600	mA
IBS Quiescence Current Limit	-250	mA
Alert On System Fault	Set	

EVIC SWS Module Present	Set	
Compass Mounting Orientation	Rightside up	
CRVMM Present	Set	
Compass Mounting Angle	0	Degree
Humidity Sensor Present	Set	
Washer Fluid Level Voltage Threshold	4.46 volts	
VTA System Present	VTA	
Illuminated Approach Headlamp Target Percentage	125 (62.5%)	
Alert no Reply	Set	
Illuminated Approach Taillamp Target Percentage	125 (62.5%)	
Illuminated Approach Interior Lighting Ramp Up Time	130(2600ms)	
Panic Enable	Set	
Alert On Search Timeout	Set	
HFRM Present	Set	
Auto Relock Time	60	seconds
OHC Module Present	Set	
IBS Present	Set	
Illuminated Approach Interior Lighting Target Percentage	100(50%)	
Fobik Safe Alerts Per Ignition Cycle	2	
ESL	Not Set	
AHLM	Not Set	
ACC	Set	
TCM	Not Set	
OCM	Set	
IPC	Set	
RFH	Set	
EPS	Set	
PCM	Set	
ABSO	Set	
ABS	Not Set	
ORC	Set	
PTS	Set	
ESM	Set	
SCCM	Set	
BCM (PT)	Set	
FFCM	Set	
HCP	Set	
DTV	Not Set	
DMRL	Set	
EOMR	Set	
EAM	Set	
PLGM	Set	
PDM	Set	
ANC	Not Set	

VRM	Set	
CVPM	Set	
HSM	Set	
PSDMR	Set	
BCM (Interior Bus)	Set	
ITM	Not Set	
FSM	Not Set	
MSMP	Set	
HVACR	Set	
DSM	Set	
DMRR	Set	
VTM	Not Set	
Radio	Set	
MSM	Set	
EDM	Set	
DDM	Set	
ICS	Set	
AMP	Set	
PSDML	Set	
HVAC	Set	
Connector A Pin 11: Hood Ajar Switch Signal	500 ohm series and 500 ohm parallel resistors	
Connector D Pin 1: Left High Beam Feed	AUX High Beam	
Connector E Pin 3: Left Rear Turn Signal	Left Rear Turn Signal	
Connector F Pin 29: Horn Switch Input	Horn Switch Input	
Connector E Pin 37: Right HID Relay Control	Right HID Lamp Relay	
Stop/Start Enable Switch Present	Not Set	
Connector F Pin 31: Right Sliding Door Ajar	Right Sliding Door Ajar	
Connector F Pin 42: Right Rear Turn Signal	Right Rear Turn Signal	
Connector D Pin 12: PHEV ECM Hardwire Wake Up	Engine Control Module Wake up (PHEV only)	
Connector D Pin 21: Brake Fluid Level Switch	no parallel resistor	
Connector E Pin 5: E-5 PHEV Fuel Door Switch Input	PHEV Fuel Door Switch	
Connector E Pin 29: Rear Wiper Motor Park Signal	Reserved	
Connector E Pin 39: Right Rear Fog Lamp	Output Disable	
Connector F Pin 27: Left Sliding Door Ajar	Left Sliding Door Ajar	
Connector F Pin 28: Right Rear Turn Lamp Fault Sense	Disable	
Connector A Pin 2: Right High Beam Feed	AUX High Beam	
Connector E Pin 1: Backup-Reverse lamp Right	Set	
Connector E Pin 7: Left HID Relay Control	Left HID Lamp Relay	
Connector F Pin 5: Left Rear Fog Lamp	Output Disable	
Connector F Pin 25: Left Rear Turn Lamp Fault Sense	Disable	
Connector F Pin 4: Liftgate Release	Trunk/Liftgate Release	
Connector F Pin 41: Backup-Reverse lamp Left	Not Set	
Ultrasonics	Not Set	
Siren	Not Set	

Tilt	Not Set	
ODS Present	False	
Passive Ped Pro Present	False	
Tow Hooks Present	False	
Curtain Airbags Present	True	
1st Row Seat Side Airbags Present	True	
Integrated EPP Present	False	
Passenger Kneebag Present	True	
Driver Kneebag Present	True	
BUX Market	False	
Rear View Camera Dynamic Grid Lines Enabled	Not Set	
Rear View Camera Static Grid Lines Enabled	Not Set	

RADIO CONFIGURATION

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

HVACR CONFIGURATION

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

LBSS CONFIGURATION

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

RBSS CONFIGURATION

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

FFCM CONFIGURATION

NAME	VALUE	UNITS
XCP Enabled	False	
Traceability info	22203300063802	
Traceability info	02203294515611	
HIL mode Enabled	False	

EDM CONFIGURATION

NAME	VALUE	UNITS
Video Ent. System Screen 2 Module	Not Present	
Video Ent. System Screen 1 Module	Not Present	
Radio	Present	
CAN I in-dash disc player module	Present	
Intrusion module	Not Present	
Vehicle System Interface Module	Not Present	
Body Style	Station Wagon	
Vehicle Line	RU	
Vehicle Brand Type	Chrysler	
VES	False	

RCCC CONFIGURATION

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

ABSO CONFIGURATION

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



FREEZE FRAME REPORT

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

Odometer 11076.6 miles
Publication Date 4/5/2022, 7:07:36 AM

FREEZE FRAME DATA

Carb

CODE: U0111 | ECU: PCM

NAME	VALUE	UNITS
Barometric Pressure	14	PSI
Throttle Flow Adaptive	-0.458	g/s
Commanded EGR Duty Cycle	0.0	%
PCM Mileage Since MIL On	0.0000	miles
Phi Adaption Value	0.00000	Mult
MAP	8	PSI
Short Term Fuel Trim - Bank 2	1.6	%
Calculated MAP	7.7	PSI
Throttle Outlet Temp	-40.00	°F
Ethanol Gas For Sure	No	
Freeze Frame Engine Coolant Temp	194	°F
APP 2 Voltage	0.7088	Volts
Brake Switch 2	Released	
Purge Solenoid Current	0.000	mA
Ethanol Trigger On Fuel Vol Fault	No	
TPS 1 Voltage	0.6356	Volts
Short Term Fuel Trim - Bank 1	-3.1	%
Fuel Type Being Used	Gasoline	
Battery Voltage	14.8240	Volts
Freeze Frame DTC Priority	03	
ETC Motor Directional Duty Cycle	-16.6	%DC
Catalyst Temp	1220	°F
Control Module Volts	14.854	V
Time Since Run / Start	4933	seconds
Air Charge Temp - Bank 2	-40.00	°F
TPS 2 Voltage	4.3481	Volts
APP Pedal Percent	1.00	%
Brake Switch Pressed	No	

Alcohol Fuel Percent	0.00	%
Potential Torque	48.32	Ft-Lbs
EGR Error	NaN	
Brake Switch 1	Released	
Intake Air Charge Temp	75.20	°F
Commanded Throttle Actuator Control	2.7	%
Long Term Fuel Trim - Bank 2	-3.1	%
Purge Duty Cycle	30.2	%
Throttle Flow Multiplicative Adaptive	0.01727	Mult
Engine RPM	1118.00	rpm
Ethanol Fine Tune Complete Prev	No	
Fuel Level Percent	72.9	%
Commanded Equivalence Ratio	1.00	
Low Ethanol Therm Mgmnt Flag	No	
Fuel Rail Pressure	0	PSI
Engine Load	25.9	%
Freeze Frame Caused by DTC	C1 11	
Mass Airflow Rate	0.00	g/s
Air Charge Temp - Bank 1	-40.00	°F
ETC Motor Duty Cycle	16.6	%DC
Ignition Run/Start Switch	On	
APP 1 Voltage	1.4029	Volts
Absolute Load Value	19	%
Low Ethanol PWR Enrich Flag	No	
Freeze Frame MAP Vacuum	13.51	in Hg
Long Term Fuel Trim - Bank 1	-2.3	%
PCM Odometer	11042.8160	miles
Ambient Air Temperature	75	°F
MAP Voltage	2.25	Volts
AC Clutch	Disengaged	
AC Switch	On	
Cooled EGR Temp	-40	deg C/s
Vehicle Speed	57	MPH
Actual Torque	30.88	Ft-Lbs
H-Bridge Circuit	Enable	
Current Adaptive Cell ID	00	
Fuel Tank Pressure	3143.00	Pa
Spark Advance	37.5	degrees
Fuel Rail Pressure	60	PSI
Relative Throttle Position	2.7	%

Freeze Frame #1**CODE: U0111 | ECU: PCM**

NAME	VALUE	UNITS
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Current Adaptive Cell ID	00	
MAP	8	PSI
Time Since Run / Start	4933	seconds
Long Term Fuel Trim - Bank 2	-3.1	%
Air Charge Temp - Bank 2	-40	°F
Air Charge Temp - Bank 1	-40	°F
Catalyst Temp	1220	°F
Calculated MAP	7.7	PSI
Alcohol Fuel Percent	0.00	%
Actual Torque	30.88	Ft-Lbs
Fuel Type Being Used	Gasoline	
Short Term Fuel Trim - Bank 2	1.6	%
Throttle Flow Adaptive	-0.458	g/s
Cooled EGR Temp	-40	deg C/s
EGR Error	-100.0	%
Phi Adaption Value	0.00000	Mult
Relative Throttle Position	2.75	%
Commanded Throttle Actuator Control	2.75	%
Throttle Outlet Pressure	8	PSI
Ethanol Fine Tune Complete Prev	No	
APP 1 Voltage	1.4029	Volts
Purge Solenoid Current	0.000	mA
Low Ethanol Therm Mgmnt Flag	No	
Barometric Pressure	14	PSI
Absolute Load Value	19	%
Potential Torque	48.32	Ft-Lbs
APP 2 Voltage	0.7088	Volts
Brake Switch 1	Released	
MAP Voltage	2.25	Volts
Vehicle Speed	57	MPH
Ethanol Gas For Sure	No	
TPS 2 Voltage	4.3481	Volts
Purge Duty Cycle	30.2	%
PCM Mileage Since MIL On	0.0000	miles
AC Clutch	Disengaged	
Ethanol Trigger On Fuel Vol Fault	No	
Mass Airflow Rate	0.00	g/s
Throttle Outlet Temp	-40	°F
AC Switch	On	
Throttle Flow Multiplicative Adaptive	0.01727	Mult
Commanded EGR Duty Cycle	0.00	%
Battery Voltage	14.8240	Volts
Engine Load	25.9	%
Ignition Run/Start Switch	On	

Brake Switch Pressed	No	
Intake Air Charge Temp	75	°F
MAP - Bank 2	8	PSI
Ambient Air Temperature	75	°F
Vacuum	13.51	in Hg
Engine RPM	1118.00	rpm
Spark Advance	37.5	degrees
Freeze Frame Caused by DTC	C1 11	
MAP - Bank 1	8	PSI
Fuel Rail Pressure	60	PSI
Long Term Fuel Trim - Bank 1	-2.3	%
ETC Motor Duty Cycle	16.6	%DC
Fuel Level Percent	72.9	%
Low Ethanol PWR Enrich Flag	No	
Fuel Tank Pressure	3143.00	Pa
Engine Coolant Temperature	194	°F
Intermediate MAP	8	PSI
Commanded Equivalence Ratio	1.00	
APP Pedal Percent	1.00	%
H-Bridge Circuit	Enable	
TPS 1 Voltage	0.6356	Volts
Freeze Frame DTC Priority	01	
Short Term Fuel Trim - Bank 1	-3.1	%
Control Module Volts	14.854	Volts
Brake Switch 2	Released	
Fuel Rail Pressure	0	PSI
ETC Motor Directional Duty Cycle	-16.6	%DC
PCM Odometer	11042.8160	miles

Freeze Frame #2

CODE: U0111 | ECU: PCM

NAME	VALUE	UNITS
Ethanol Trigger On Fuel Vol Fault	No	
Ignition Run/Start Switch	On	
Throttle Outlet Temp	-40	°F
Fuel Rail Pressure	0	PSI
APP 1 Voltage	0.3862	Volts
Intermediate MAP	11	PSI
Battery Voltage	14.8240	Volts
TPS 1 Voltage	0.7662	Volts
Current Adaptive Cell ID	05	
Time Since Run / Start	298	seconds
Cooled EGR Temp	-40	deg C/s
Intake Air Charge Temp	82	°F

AC Clutch	Disengaged	
Engine Coolant Temperature	190	°F
MAP	11	PSI
Actual Torque	63.10	Ft-Lbs
Fuel Type Being Used	Gasoline	
Throttle Flow Adaptive	-0.458	g/s
Control Module Volts	14.854	Volts
Brake Switch 1	Released	
Throttle Flow Multiplicative Adaptive	0.01727	Mult
Potential Torque	75.66	Ft-Lbs
MAP Voltage	3.49	Volts
Air Charge Temp - Bank 1	-40	°F
Freeze Frame Caused by DTC	C1 11	
Commanded Throttle Actuator Control	5.10	%
Fuel Tank Pressure	3070.00	Pa
H-Bridge Circuit	Enable	
ETC Motor Directional Duty Cycle	-18.0	%DC
PCM Mileage Since MIL On	0.0000	miles
MAP - Bank 1	11	PSI
Absolute Load Value	28	%
ETC Motor Duty Cycle	18.0	%DC
Relative Throttle Position	5.10	%
Vehicle Speed	38	MPH
Ambient Air Temperature	82	°F
Throttle Outlet Pressure	11	PSI
Low Ethanol PWR Enrich Flag	No	
Long Term Fuel Trim - Bank 1	-2.3	%
APP Pedal Percent	0.00	%
Air Charge Temp - Bank 2	-40	°F
EGR Error	-100.0	%
Short Term Fuel Trim - Bank 1	-3.1	%
Spark Advance	34.0	degrees
Commanded EGR Duty Cycle	0.00	%
Brake Switch Pressed	No	
Commanded Equivalence Ratio	1.00	
AC Switch	On	
Freeze Frame DTC Priority	03	
Vacuum	5.72	in Hg
Long Term Fuel Trim - Bank 2	-0.0	%
Low Ethanol Therm Mgmnt Flag	No	
Purge Duty Cycle	0.0	%
PCM Odometer	11042.8160	miles
Brake Switch 2	Released	
Purge Solenoid Current	0.000	mA

APP 2 Voltage	0.1955	Volts
TPS 2 Voltage	4.2212	Volts
Ethanol Gas For Sure	No	
Barometric Pressure	14	PSI
Catalyst Temp	1303	°F
Fuel Rail Pressure	58	PSI
Mass Airflow Rate	0.00	g/s
Ethanol Fine Tune Complete Prev	No	
Alcohol Fuel Percent	0.00	%
Engine RPM	1201.00	rpm
Fuel Level Percent	71.8	%
Engine Load	38.0	%
Phi Adaption Value	0.00000	Mult
Short Term Fuel Trim - Bank 2	1.6	%
Calculated MAP	11.4	PSI
MAP - Bank 2	11	PSI

Freeze Frame #3

CODE: U0111 | ECU: PCM

NAME	VALUE	UNITS
Freeze Frame DTC Priority	03	
Mass Airflow Rate	0.00	g/s
Air Charge Temp - Bank 1	-40	°F
Brake Switch Pressed	No	
Phi Adaption Value	0.00000	Mult
Freeze Frame Caused by DTC	C1 11	
Throttle Flow Adaptive	-0.458	g/s
MAP	12	PSI
ETC Motor Duty Cycle	8.2	%DC
Vehicle Speed	63	MPH
Fuel Rail Pressure	58	PSI
Catalyst Temp	1351	°F
Fuel Rail Pressure	0	PSI
Commanded EGR Duty Cycle	0.00	%
Brake Switch 2	Released	
Calculated MAP	12.0	PSI
Commanded Equivalence Ratio	1.00	
PCM Odometer	11042.8160	miles
Air Charge Temp - Bank 2	-40	°F
Fuel Tank Pressure	3070.00	Pa
PCM Mileage Since MIL On	0.0000	miles
Throttle Flow Multiplicative Adaptive	0.01727	Mult
Absolute Load Value	27	%
Engine Coolant Temperature	196	°F

Fuel Level Percent	68.6	%
Ethanol Gas For Sure	No	
Brake Switch 1	Released	
Short Term Fuel Trim - Bank 1	1.6	%
Low Ethanol PWR Enrich Flag	No	
Long Term Fuel Trim - Bank 2	-3.1	%
APP Pedal Percent	0.00	%
Ambient Air Temperature	77	°F
Potential Torque	70.71	Ft-Lbs
Long Term Fuel Trim - Bank 1	-2.3	%
MAP Voltage	3.63	Volts
Actual Torque	59.03	Ft-Lbs
Purge Solenoid Current	0.000	mA
Ethanol Fine Tune Complete Prev	No	
Commanded Throttle Actuator Control	4.71	%
Engine Load	36.5	%
Ethanol Trigger On Fuel Vol Fault	No	
Current Adaptive Cell ID	00	
H-Bridge Circuit	Enable	
Purge Duty Cycle	63.5	%
Cooled EGR Temp	-40	deg C/s
Spark Advance	38.5	degrees
Short Term Fuel Trim - Bank 2	-0.0	%
TPS 1 Voltage	0.7418	Volts
APP 1 Voltage	0.3862	Volts
Low Ethanol Therm Mgmnt Flag	No	
Control Module Volts	14.793	Volts
Relative Throttle Position	4.71	%
Throttle Outlet Pressure	12	PSI
Barometric Pressure	14	PSI
Throttle Outlet Temp	-40	°F
TPS 2 Voltage	4.2444	Volts
Ignition Run/Start Switch	On	
EGR Error	-100.0	%
Intermediate MAP	12	PSI
MAP - Bank 1	12	PSI
MAP - Bank 2	12	PSI
ETC Motor Directional Duty Cycle	-8.2	%DC
Intake Air Charge Temp	79	°F
AC Clutch	Disengaged	
APP 2 Voltage	0.1955	Volts
Time Since Run / Start	167	seconds
Fuel Type Being Used	Gasoline	
Engine RPM	1117.00	rpm

Battery Voltage	14.7622	Volts
AC Switch	On	
Vacuum	4.72	in Hg
Alcohol Fuel Percent	0.00	%

No MisFire data available

Most Recent DTC

CODE: U0111 | ECU: PCM

NAME	VALUE	UNITS
Intermediate MAP	11	PSI
MAP Voltage	3.33	Volts
Freeze Frame DTC Priority	03	
H-Bridge Circuit	Enable	
Relative Throttle Position	4	%
Throttle Flow Multiplicative Adaptive	0.01727	Mult
Vehicle Speed	0	MPH
APP 2 Voltage	0.1955	Volts
Ethanol Gas For Sure	No	
Short Term Fuel Trim - Bank 2	-4.7	%
Commanded Equivalence Ratio	1.00	
PCM Mileage Since MIL On	0.0000	miles
TPS 1 Voltage	0.6930	Volts
Cooled EGR Temp	-40	deg C/s
MAP - Bank 1	11	PSI
Battery Voltage	14.5769	Volts
AC Switch	On	
Brake Switch Pressed	No	
Engine Coolant Temperature	180	°F
Catalyst Temp	1004	°F
MAP	11	PSI
Engine Load	35.3	%
Throttle Outlet Pressure	11	PSI
Engine RPM	1102.00	rpm
Freeze Frame Caused by DTC	C1 11	
Potential Torque	70.00	Ft-Lbs
Ethanol Fine Tune Complete Prev	No	
TPS 2 Voltage	4.2932	Volts
AC Clutch	Disengaged	
ETC Motor Directional Duty Cycle	-19.9	%DC
Fuel Type Being Used	Gasoline	
Mass Airflow Rate	0.00	g/s
MAP - Bank 2	11	PSI
Absolute Load Value	27	%

Low Ethanol Therm Mgmnt Flag	No	
Fuel Rail Pressure	58	PSI
Fuel Tank Pressure	2588.00	Pa
Long Term Fuel Trim - Bank 1	1.6	%
Calculated MAP	11.1	PSI
Vacuum	6.61	in Hg
Fuel Level Percent	71.8	%
ETC Motor Duty Cycle	19.9	%DC
Purge Solenoid Current	0.000	mA
Commanded Throttle Actuator Control	4	%
Fuel Rail Pressure	0	PSI
Actual Torque	54.54	Ft-Lbs
Air Charge Temp - Bank 1	-40	°F
Long Term Fuel Trim - Bank 2	3.1	%
EGR Error	NaN	
Time Since Run / Start	832	seconds
Brake Switch 2	Released	
Ambient Air Temperature	88	°F
APP 1 Voltage	0.3862	Volts
Alcohol Fuel Percent	0.00	%
Short Term Fuel Trim - Bank 1	-4.7	%
Control Module Volts	14.592	Volts
Purge Duty Cycle	78.0	%
Ignition Run/Start Switch	On	
Throttle Outlet Temp	-40	°F
Brake Switch 1	Released	
Phi Adaption Value	0.00000	Mult
Commanded EGR Duty Cycle	0	%
Current Adaptive Cell ID	18	
PCM Odometer	11051.0080	miles
Intake Air Charge Temp	100	°F
Low Ethanol PWR Enrich Flag	No	
Barometric Pressure	14	PSI
Ethanol Trigger On Fuel Vol Fault	No	
APP Pedal Percent	0.00	%
Spark Advance	35.5	degrees
Air Charge Temp - Bank 2	-40	°F
Throttle Flow Adaptive	-0.449	g/s



VEHICLE SCAN REPORT

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

Odometer 11076.6 miles
Publication Date 4/5/2022, 7:06:41 AM

ECU SUMMARY INFO

ECU	NAME	BUS TYPE	FLASH PART #	CURRENT VIN	ORIGINAL VIN	PART #
PCM	Powertrain Control Module	CAN-C	68499122AF	[REDACTED]	[REDACTED]	68499122AF
PLGM	Power Liftgate	CAN-I	68466171AI	[REDACTED]	—	68466171AI
ICS	Integrated Center Stack	CAN-I	7AS341X8AA	[REDACTED]	[REDACTED]	7AS341X8AA
RFH	Radio Frequency Hub	CAN-C	68500152AA	[REDACTED]	[REDACTED]	68500152AA
ESM	Electronic Shifter	CAN-C	68240089AM	[REDACTED]	[REDACTED]	68240089AM
ORC	Occupant Restraint	CAN-C	68480710AC	[REDACTED]	[REDACTED]	68480710AC
EPS	Electric Power Steering	CAN-C	68460392AA	[REDACTED]	[REDACTED]	68460392AA
HVAC	Heat, Ventilation and A/C	CAN-I	68493454AE	[REDACTED]	[REDACTED]	68493454AE
DDM	Driver Door Module	CAN-I	68496461AB	[REDACTED]	[REDACTED]	68496461AB
PDM	Passenger Door Module	CAN-I	68496460AB	[REDACTED]	[REDACTED]	68496460AB
DMRL	Door Module Rear Left	CAN-I	68508894AB	[REDACTED]	[REDACTED]	68508894AB
DMRR	Door Module Rear Right	CAN-I	68508894AB	[REDACTED]	[REDACTED]	68508894AB
PSDML	Power Sliding Doors (Left)	CAN-I	68369596AD	[REDACTED]	[REDACTED]	68369596AD
PSDMR	Power Sliding Doors (Right)	CAN-I	68369596AD	[REDACTED]	[REDACTED]	68369596AD
MSM	Memory Seat Module	CAN-I	68321862AC	[REDACTED]	[REDACTED]	68321862AC
CSWM	Comfort Seat Wheel Module	CAN-I	68517013AB	[REDACTED]	[REDACTED]	68517013AB
AMP	Amplifier	CAN-I	68547722AB	[REDACTED]	[REDACTED]	68547722AB
IPC	Instrument Panel Cluster	CAN-C	68434960AE	[REDACTED]	[REDACTED]	68434960AE
PTS	Parktronics	CAN-C	68485862AA	[REDACTED]	[REDACTED]	68485862AA
SCCM	Steering Column Control Module	CAN-C	68360889AD	[REDACTED]	[REDACTED]	68360889AD
BCM	Body Controller	CAN-C	68491085AG	[REDACTED]	[REDACTED]	68491085AG

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

ECU SUMMARY INFO (CONT...)

ECU	COUNTRY CODE	HARDWARE VERSION	SOFTWARE VERSION	IDENT	CVNS
PCM	USA	1B 47	75 02 00	4422	7DC2E312
PLGM	USA	0	5084	000200000031	
ICS	USA	0F 0C 00	13 31 01	4700	
RFH	USA / USA	10 17 00	13 26 00	4A00	

ESM	USA / USA	0F 24 00	12 28 FF	4402	
ORC	USA / USA	12 1A 00	13 2E 00	4301	
EPS	USA / USA	12 2A 00	12 1E 01	4502	
HVAC	USA	0E 09 00	14 2F 01	4401	
DDM	USA	11 07 00	14 07 00	4202	
PDM	USA	11 07 00	14 07 00	4202	
DMRL	USA / USA	10 0B 00	14 08 00	4201	
DMRR	USA / USA	10 0B 00	14 08 00	4201	
PSDML	USA / USA	10 17 00	14 10 12	4001	
PSDMR	USA / USA	10 17 00	14 10 12	4001	
MSM	USA	0F 2B 00	10 27 03	4101	
CSWM	USA	11 2A 00	14 25 00	4302	
AMP	USA	0F 06 01	15 0F 01	4021	
IPC	USA / USA	12 06 00	14 2B 00	4705	
PTS	USA	0E 32 00	14 07 00	4311	
SCCM	USA	13 28 00	13 29 00	4301	
BCM	USA	0D 11 00	14 26 90	4420	
ACC	USA / USA	14 12 01	14 26 01	4400	
RADIO		65	5671	000200000008	
OCM	USA / USA	11 1F 01	0E 2F 02	4030	
HVACR	USA	0E 09 00	10 03 02	4301	
LBSS	USA / USA	11 30 02	12 0D 00	4202	
RBSS	USA / USA	11 30 02	12 0D 00	4202	
FFCM	USA / USA	11 06 00	13 1E 00	4102	
EDM	USA	12 0A 00	11 08 00	4000	
APM	USA / USA	11 32 00	11 32 00	4001	
BPCM		0E 03 00	14 2C 00	4005	79855957
HCP	USA	11 1F 04	0F 2D 00	4006	879F1587 D754327D 050DC953
OBCM	USA	0F 0D 00	12 02 00	4002	
MSMP	USA	0F 2B 00	10 27 03	4001	
DSM	USA / USA	14 0C 00	14 28 00	4300	
VRM	USA / USA	0F 1C 00	14 1E 14	4001	
RCCC	USA	0F 1D 00	13 04 00	4000	
CVPM	USA / USA	11 27 01	14 0C 01	4004	
EAC	USA	0E 34 00	12 0F 00	4102	
AHCP	USA	11 1F 04	0F 2D 00	4000	
EBBM	USA	0E 19 02	14 0D 18	4000	E5898FA5
ABSO	USA	0E 15 02	14 1B 26	4201	4F158D1B
SGW		5	969	4103	
TBM2	USA	13 0E 02	14 2A 5C	4104	

DTC SUMMARY

ECU	DTC CODE	DTC DESCRIPTION	STATUS
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PCM	U0111	Lost Communication With Battery Energy Control Module	Stored
PLGM	B1971-00	Power Liftgate Latch Cinch - Ratchet Primary Switch Performance-	Stored
ESM	U1817-00	Lost Communication With Hybrid Powertrain Control Module on D-PT-	Stored
HVAC	B10EB-00	Blower Power Module-	Stored
ACC	C2225-00	PCM Disabled ECU-	Stored
RADIO	B229C-96	Interior Camera Module-Component Internal Failure	Stored
APM	P0AFA-00	Hybrid/EV Battery System Voltage Low-	Stored
APM	U0111-00	Lost Communication With Battery Energy Control Module-	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
BPCM	U0293-00	Lost Communication with Hybrid Control Module "A"-	Stored
BPCM	P1CDC-00	Hybrid/EV Wakeup Control 1 Output Circuit Short to Ground-	Stored
BPCM	U0594-00	Implausible Data Received From Hybrid Control Module "A"-	Stored
HCP	P0A0A-00	High Voltage System Interlock Circuit "A"-	Stored
HCP	P1A24-00	AC Contactor Shorted to AC Supply-	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	U0293-00	Lost Communication with Hybrid Control Module "A"-	Stored
HCP	U11F8-00		Stored
OBCM	U0293-00	Lost Communication with Hybrid Control Module "A"-	Stored
OBCM	U1814-00	OBCM Lost Communication with BPCM-	Stored
OBCM	P1A24-00	AC Contactor Shorted to AC Supply-	Stored
MSMP	B1D5F-2A	Stow n Go Assist Seat Switch-Stuck	Stored
DSM	B156D-00	Low Voltage Differential Signal (LVDS) Video Cable-	Stored
VRM	B15AE-00	Lost Low Voltage Differential Signal (LVDS) Connection with Media Port 2-	Stored
VRM	B15AD-00	Lost Low Voltage Differential Signal (LVDS) Connection with Media Port 1-	Stored
ABSO	U0111-00	Lost Communication With Battery Energy Control Module-	Stored

ENVIRONMENTAL DATA SUMMARY

PCM | U0111 | Stored | Lost Communication With Battery Energy Control Module

NAME	VALUE	UNITS
Number of DTC	1	
DTC	C1 11	
DTC Readiness Flag	Not Complete	
DTC Storage State	Stored	
Warning Indicator Request State	On	
Odometer	11043.5	miles
Accumulation Timer	4	minutes
Ignition Key Cycles	5	
Starts Since Set Counter	3	
Key Cycles Since DTC Last Set Counter	5	

Warm Up Cycles	0
Good Trip Counter	2

PLGM | B1971-00 | Stored | Power Liftgate Latch Cinch - Ratchet Primary Switch Performance-

NAME	VALUE	UNITS
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ESM | U1817-00 | Stored | Lost Communication With Hybrid Powertrain Control Module on D-PT-

NAME	VALUE	UNITS
DTC	D8 17 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	11065	miles
Most Recent Odometer Value	11065	miles
Frequency Counter	1	
Ignition Cycle Counter	6	
Ignition Status	Ignition Run	
Operating Voltage	14.4	Volts
Operation Time	32791	Min

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

NAME	VALUE	UNITS
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
Occurrence flag	ERROR	
Original Odometer Value	11065	miles
Most Recent Odometer Value	11065	miles
Frequency Counter	1	
Ignition Cycle Counter	12	

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

NAME	VALUE	UNITS
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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	11055	miles
Most Recent Odometer Value	11065	miles
Frequency Counter	3	
Operation Cycle Counter	14	
Vehicle Speed	65	MPH
Engine RPM	2080	rpm
ACC Set Speed	66	MPH
Object of Interest Distance	233	FEET
Engine Torque Request	SNA	Ft-Lbs
PRNDL Status	D range	
Ignition Voltage	14.5	
System Voltage	14.6	Volts

RADIO | B229C-96 | Stored | Interior Camera Module-Component Internal Failure

NAME	VALUE	UNITS
DTC	A2 9C 96	
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Confirmed DTC	True	

APM | P0AFA-00 | Stored | Hybrid/EV Battery System Voltage Low-

NAME	VALUE	UNITS
DTC	0A FA 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	11065	miles
Most Recent Odometer Value	11075	miles

Frequency Counter	7	
Ignition Cycle Counter	5	
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	14.81	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 short circuit at LV / Failure9	
Low voltage battery voltage from HCP	12.2000	Volt

APM | 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	False	
Occurrence flag	ERROR	
Original Odometer Value	11065	miles
Most Recent Odometer Value	11075	miles
Frequency Counter	9	
Ignition Cycle Counter	5	
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	14.81	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 Memory failure/Failure 25	
Low voltage battery voltage from HCP	14.7200	Volt

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

NAME	VALUE	UNITS
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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	11065	miles
Most Recent Odometer Value	11075	miles
Frequency Counter	10	
Ignition Cycle Counter	1	
FoM - for this DTC (lifetime fails)	3	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	41987312	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	True	
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)	11068.46	miles
Battery Lifetime Miles	A5E3F6	miles
Vehicle Speed	FE	MPH
System (12) Volts at time of fault	12.228	Volts
Battery Lifetime AmpHrs of Charge	6950.8	AHr
Battery Lifetime AmpHrs of DisCharge	6941.6	AHr
SOC at time of Fault	25.5	%
Power Up SOC at time of Fault	25.5	%
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	0.312	Volts
HVIL PWM peak voltage Sensed - Vehicle	0.290	Volts

HVIL Source Voltage- Battery	1.370	Volts
HVIL Returned current - Battery	30.20	mA
HV Battery Current Sensor 1 Hall High	-0.20	Amps
HV Battery Current Sensor 2 Hall Low	-0.05	Amps
HV Battery Current HVBatCmt	0.00	Amps
HV Cooling Speed Pump 1 Target	0	rpm
HV Cooling Speed pump 1 Speed	0	rpm
Charge indicator Temp	79	°F
BPCM temperature max	97	°F
BPCM temperature min	88	°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	2.497	Volts
Isolation Circuitry Vb	2.501	Volts
Isolation Circuitry Vd	0.000	Volts
WC and Circuitry 2.5V Reference Voltage	2.500	Volts
WC and Circuitry Vcc Voltage	5.017	Volts
WC and CircuitryISO 8V Reference Voltage	7.968	Volts
WC and Circuitry Weld Contactor Sensor G (Pack Negative) Voltage	-85.6	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	Latched	

CVTN ANALOG FAULT ERR	Active	
CVTN HREF FAULT	SNA	
CVTN HREF GND FAULT	Normal	
CVTN ADC CAL ERR	Active	
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	93096	watts
HV Battery Charge Power 10sec	91524	watts
HV Battery Discharge Power 2sec	92664	watts
HV Battery Discharge Power 10sec	90276	watts
HV Battery Power	007530	watts
Key - DriveRdy (CAN)	True	
Battery Lifetime Number Of Closes	3179	
Battery Full AmpHr Capacity	49	AmpHrs
Cell Impedance Max Discharge	0	mOhms
Cell Impedance Mim Discharge	0	mOhms
Battery Cell Voltage Maximum	3568	mV
Battery Cell Voltage Minimum	3556	mV
Battery Cell Voltage Average	3563	mV
Battery Cell Highest Cell number	23	
Battery Cell Lowest Cell number	60	
HV Battery Voltage (cell sum)	342.10	Volts
HV Battery Voltage (Module Sum)	341.90	Volts
HV Sensor A Pack Voltage	342.10	Volts
HV Sensor B Bus\Link (Pre-Fuse) Voltage	30.00	Volts
HV Sensor C OBCM (HVOBC Fuse) Voltage	29.90	Volts
HV Sensor D Heater (HVHTR Fuse) Voltage	29.90	Volts
HV Sensor G Weld Contactor(Pack Negative) Voltage	-85.6	Volts
Battery Temperature Maximum Module	97	°F
Battery Temperature Minimum Module	88	°F
Battery Temperature Average Module	93	°F
Battery Temperature Highest Sensor number	06	
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	97	°F
HV Cooling Battery coolant outlet temp	120	°F

HV Cooling OBCM temp inlet Temp	91	°F
Pump - Battery Coolant Level Low	False	
Isolation Vehicle Diagnostic Status	Run and Passed	
Isolation Vehicle Impedance	6.7942	Mega Ohms
Isolation Battery Diagnostic Status	Run and Passed	
Isolation Battery Impedance	0.8480	Mega Ohms
CVTN CUST CKSUM ERR	Active	

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	11055	miles
Most Recent Odometer Value	11075	miles
Frequency Counter	5	
Ignition Cycle Counter	1	
FoM - for this DTC (lifetime fails)	4	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	41986692	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	True	
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)	11058.06	miles
Battery Lifetime Miles	A5E3B6	miles
Vehicle Speed	FE	MPH
System (12) Volts at time of fault	14.797	Volts

Battery Lifetime AmpHrs of Charge	6948.3	AHr
Battery Lifetime AmpHrs of DisCharge	6939.0	AHr
SOC at time of Fault	25.9	%
Power Up SOC at time of Fault	25.5	%
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	13.596	Volts
HVIL PWM peak voltage Sensed - Vehicle	13.542	Volts
HVIL Source Voltage- Battery	1.377	Volts
HVIL Returned current - Battery	30.40	mA
HV Battery Current Sensor 1 Hall High	-10.45	Amps
HV Battery Current Sensor 2 Hall Low	-9.15	Amps
HV Battery Current HVBatCmt	-11.60	Amps
HV Cooling Speed Pump 1 Target	0	rpm
HV Cooling Speed pump 1 Speed	0	rpm
Charge indicator Temp	77	°F
BPCM temperature max	95	°F
BPCM temperature min	86	°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	2.497	Volts
Isolation Circuitry Vb	2.501	Volts
Isolation Circuitry Vd	0.000	Volts
WC and Circuitry 2.5V Reference Voltage	2.500	Volts
WC and Circuitry Vcc Voltage	5.031	Volts
WC and CircuitryISO 8V Reference Voltage	7.968	Volts
WC and Circuitry Weld Contactor Sensor G (Pack Negative) Voltage	1.0	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	SNA	
CVTN FACT CKSUM ERR	Latched	
CVTN ANALOG FAULT ERR	Normal	
CVTN HREF FAULT	SNA	
CVTN HREF GND FAULT	Normal	
CVTN ADC CAL ERR	Active	
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	92964	watts
HV Battery Charge Power 10sec	91392	watts
HV Battery Discharge Power 2sec	92493	watts
HV Battery Discharge Power 10sec	90027	watts
HV Battery Power	0073A0	watts
Key - DriveRdy (CAN)	True	
Battery Lifetime Number Of Closes	3179	
Battery Full AmpHr Capacity	49	AmpHrs
Cell Impedance Max Discharge	0	mOhms
Cell Impedance Mim Discharge	0	mOhms
Battery Cell Voltage Maximum	3588	mV
Battery Cell Voltage Minimum	3573	mV
Battery Cell Voltage Average	3581	mV
Battery Cell Highest Cell number	19	
Battery Cell Lowest Cell number	73	
HV Battery Voltage (cell sum)	343.80	Volts
HV Battery Voltage (Module Sum)	343.50	Volts
HV Sensor A Pack Voltage	343.30	Volts
HV Sensor B Bus\Link (Pre-Fuse) Voltage	343.40	Volts
HV Sensor C OBCM (HVOBC Fuse) Voltage	343.30	Volts
HV Sensor D Heater (HVHTR Fuse) Voltage	343.30	Volts

HV Sensor G Weld Contactor(Pack Negative) Voltage	1.0	Volts
Battery Temperature Maximum Module	95	°F
Battery Temperature Minimum Module	86	°F
Battery Temperature Average Module	91	°F
Battery Temperature Highest Sensor number	06	
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	95	°F
HV Cooling Battery coolant outlet temp	117	°F
HV Cooling OBCM temp inlet Temp	88	°F
Pump - Battery Coolant Level Low	False	
Isolation Vehicle Diagnostic Status	Run and Passed	
Isolation Vehicle Impedance	7.1818	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	11065	miles
Most Recent Odometer Value	11075	miles
Frequency Counter	8	
Ignition Cycle Counter	1	
FoM - for this DTC (lifetime fails)	2	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	41987288	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	True	
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)	11068.46	miles
Battery Lifetime Miles	A5E3F6	miles
Vehicle Speed	FE	MPH
System (12) Volts at time of fault	14.812	Volts
Battery Lifetime AmpHrs of Charge	6950.8	AHr
Battery Lifetime AmpHrs of DisCharge	6941.6	AHr
SOC at time of Fault	25.5	%
Power Up SOC at time of Fault	25.5	%
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	12.511	Volts
HVIL PWM peak voltage Sensed - Vehicle	12.399	Volts
HVIL Source Voltage- Battery	1.377	Volts
HVIL Returned current - Battery	30.20	mA
HV Battery Current Sensor 1 Hall High	-2.30	Amps
HV Battery Current Sensor 2 Hall Low	-1.95	Amps
HV Battery Current HVBatCrnt	-24.25	Amps
HV Cooling Speed Pump 1 Target	0	rpm
HV Cooling Speed pump 1 Speed	0	rpm
Charge indicator Temp	79	°F
BPCM temperature max	97	°F
BPCM temperature min	88	°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	2.498	Volts
Isolation Circuitry Vb	2.501	Volts
Isolation Circuitry Vd	0.000	Volts
WC and Circuitry 2.5V Reference Voltage	2.500	Volts
WC and Circuitry Vcc Voltage	5.031	Volts
WC and CircuitryISO 8V Reference Voltage	7.968	Volts
WC and Circuitry Weld Contactor Sensor G (Pack Negative) Voltage	-189.4	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	Latched	
CVTN ANALOG FAULT ERR	Active	
CVTN HREF FAULT	Latched	
CVTN HREF GND FAULT	Active	
CVTN ADC CAL ERR	Normal	
CVTN CUST ECC COR	Active	
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	93096	watts
HV Battery Charge Power 10sec	91521	watts
HV Battery Discharge Power 2sec	92664	watts
HV Battery Discharge Power 10sec	90273	watts
HV Battery Power	0071F0	watts
Key - DriveRdy (CAN)	True	
Battery Lifetime Number Of Closes	3179	
Battery Full AmpHr Capacity	49	AmpHrs
Cell Impedance Max Discharge	0	mOhms
Cell Impedance Mim Discharge	0	mOhms
Battery Cell Voltage Maximum	3580	mV

Battery Cell Voltage Minimum	3568	mV
Battery Cell Voltage Average	3575	mV
Battery Cell Highest Cell number	02	
Battery Cell Lowest Cell number	52	
HV Battery Voltage (cell sum)	343.20	Volts
HV Battery Voltage (Module Sum)	343.00	Volts
HV Sensor A Pack Voltage	342.60	Volts
HV Sensor B Bus\Link (Pre-Fuse) Voltage	296.60	Volts
HV Sensor C OBCM (HVOBC Fuse) Voltage	267.90	Volts
HV Sensor D Heater (HVHTR Fuse) Voltage	250.60	Volts
HV Sensor G Weld Contactor(Pack Negative) Voltage	-189.4	Volts
Battery Temperature Maximum Module	97	°F
Battery Temperature Minimum Module	88	°F
Battery Temperature Average Module	93	°F
Battery Temperature Highest Sensor number	06	
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	97	°F
HV Cooling Battery coolant outlet temp	120	°F
HV Cooling OBCM temp inlet Temp	91	°F
Pump - Battery Coolant Level Low	False	
Isolation Vehicle Diagnostic Status	Run and Passed	
Isolation Vehicle Impedance	6.7942	Mega Ohms
Isolation Battery Diagnostic Status	Run and Passed	
Isolation Battery Impedance	0.8480	Mega Ohms
CVTN CUST CKSUM ERR	Active	

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	11065	miles
Most Recent Odometer Value	11075	miles
Frequency Counter	8	
Ignition Cycle Counter	1	

FoM - for this DTC (lifetime fails)	2	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	41987288	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	True	
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)	11068.46	miles
Battery Lifetime Miles	A5E3F6	miles
Vehicle Speed	FE	MPH
System (12) Volts at time of fault	14.797	Volts
Battery Lifetime AmpHrs of Charge	6950.8	AHr
Battery Lifetime AmpHrs of DisCharge	6941.6	AHr
SOC at time of Fault	25.5	%
Power Up SOC at time of Fault	25.5	%
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	13.622	Volts
HVIL PWM peak voltage Sensed - Vehicle	13.503	Volts
HVIL Source Voltage- Battery	1.377	Volts
HVIL Returned current - Battery	30.40	mA
HV Battery Current Sensor 1 Hall High	-25.60	Amps
HV Battery Current Sensor 2 Hall Low	-23.80	Amps
HV Battery Current HVBatCrnt	-23.70	Amps
HV Cooling Speed Pump 1 Target	0	rpm
HV Cooling Speed pump 1 Speed	0	rpm
Charge indicator Temp	79	°F
BPCM temperature max	97	°F
BPCM temperature min	88	°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	2.498	Volts
Isolation Circuitry Vb	2.501	Volts
Isolation Circuitry Vd	0.000	Volts
WC and Circuitry 2.5V Reference Voltage	2.500	Volts
WC and Circuitry Vcc Voltage	5.031	Volts
WC and CircuitryISO 8V Reference Voltage	7.968	Volts
WC and Circuitry Weld Contactor Sensor G (Pack Negative) Voltage	1.0	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	Latched	
CVTN ANALOG FAULT ERR	Active	
CVTN HREF FAULT	Latched	
CVTN HREF GND FAULT	Active	
CVTN ADC CAL ERR	Normal	
CVTN CUST ECC COR	Active	
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	93096	watts

HV Battery Charge Power 10sec	91521	watts
HV Battery Discharge Power 2sec	92664	watts
HV Battery Discharge Power 10sec	90273	watts
HV Battery Power	007201	watts
Key - DriveRdy (CAN)	True	
Battery Lifetime Number Of Closes	3179	
Battery Full AmpHr Capacity	49	AmpHrs
Cell Impedance Max Discharge	0	mOhms
Cell Impedance Mim Discharge	0	mOhms
Battery Cell Voltage Maximum	3580	mV
Battery Cell Voltage Minimum	3568	mV
Battery Cell Voltage Average	3575	mV
Battery Cell Highest Cell number	02	
Battery Cell Lowest Cell number	52	
HV Battery Voltage (cell sum)	343.20	Volts
HV Battery Voltage (Module Sum)	343.00	Volts
HV Sensor A Pack Voltage	343.30	Volts
HV Sensor B Bus\Link (Pre-Fuse) Voltage	343.30	Volts
HV Sensor C OBCM (HVOBC Fuse) Voltage	343.30	Volts
HV Sensor D Heater (HVHTR Fuse) Voltage	343.30	Volts
HV Sensor G Weld Contactor(Pack Negative) Voltage	1.0	Volts
Battery Temperature Maximum Module	97	°F
Battery Temperature Minimum Module	88	°F
Battery Temperature Average Module	93	°F
Battery Temperature Highest Sensor number	06	
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	97	°F
HV Cooling Battery coolant outlet temp	120	°F
HV Cooling OBCM temp inlet Temp	91	°F
Pump - Battery Coolant Level Low	False	
Isolation Vehicle Diagnostic Status	Run and Passed	
Isolation Vehicle Impedance	6.7942	Mega Ohms
Isolation Battery Diagnostic Status	Run and Passed	
Isolation Battery Impedance	0.8480	Mega Ohms
CVTN CUST CKSUM ERR	Active	

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	11055	miles
Most Recent Odometer Value	11075	miles
Frequency Counter	23	
Ignition Cycle Counter	1	
FoM - for this DTC (lifetime fails)	2	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	41986692	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	True	
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)	11058.06	miles
Battery Lifetime Miles	A5E3B2	miles
Vehicle Speed	FE	MPH
System (12) Volts at time of fault	14.783	Volts
Battery Lifetime AmpHrs of Charge	6948.3	AHr
Battery Lifetime AmpHrs of DisCharge	6939.0	AHr
SOC at time of Fault	25.9	%
Power Up SOC at time of Fault	25.5	%
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	13.704	Volts
HVIL PWM peak voltage Sensed - Vehicle	13.593	Volts
HVIL Source Voltage- Battery	1.377	Volts
HVIL Returned current - Battery	30.20	mA
HV Battery Current Sensor 1 Hall High	8.75	Amps
HV Battery Current Sensor 2 Hall Low	10.15	Amps

HV Battery Current HVBatCrnt	13.15	Amps
HV Cooling Speed Pump 1 Target	0	rpm
HV Cooling Speed pump 1 Speed	0	rpm
Charge indicator Temp	77	°F
BPCM temperature max	95	°F
BPCM temperature min	86	°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	2.497	Volts
Isolation Circuitry Vb	2.501	Volts
Isolation Circuitry Vd	0.000	Volts
WC and Circuitry 2.5V Reference Voltage	2.501	Volts
WC and Circuitry Vcc Voltage	5.031	Volts
WC and CircuitryISO 8V Reference Voltage	7.968	Volts
WC and Circuitry Weld Contactor Sensor G (Pack Negative) Voltage	1.0	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	SNA	
CVTN FACT CKSUM ERR	Latched	
CVTN ANALOG FAULT ERR	Normal	
CVTN HREF FAULT	SNA	
CVTN HREF GND FAULT	Normal	
CVTN ADC CAL ERR	Active	

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	92961	watts
HV Battery Charge Power 10sec	91392	watts
HV Battery Discharge Power 2sec	92490	watts
HV Battery Discharge Power 10sec	90024	watts
HV Battery Power	0076F2	watts
Key - DriveRdy (CAN)	True	
Battery Lifetime Number Of Closes	3179	
Battery Full AmpHr Capacity	49	AmpHrs
Cell Impedance Max Discharge	0	mOhms
Cell Impedance Mim Discharge	0	mOhms
Battery Cell Voltage Maximum	3574	mV
Battery Cell Voltage Minimum	3562	mV
Battery Cell Voltage Average	3569	mV
Battery Cell Highest Cell number	02	
Battery Cell Lowest Cell number	62	
HV Battery Voltage (cell sum)	342.60	Volts
HV Battery Voltage (Module Sum)	342.00	Volts
HV Sensor A Pack Voltage	342.00	Volts
HV Sensor B Bus\Link (Pre-Fuse) Voltage	342.00	Volts
HV Sensor C OBCM (HVOBC Fuse) Voltage	342.00	Volts
HV Sensor D Heater (HVHTR Fuse) Voltage	342.00	Volts
HV Sensor G Weld Contactor(Pack Negative) Voltage	1.0	Volts
Battery Temperature Maximum Module	95	°F
Battery Temperature Minimum Module	86	°F
Battery Temperature Average Module	91	°F
Battery Temperature Highest Sensor number	06	
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	95	°F
HV Cooling Battery coolant outlet temp	117	°F
HV Cooling OBCM temp inlet Temp	88	°F
Pump - Battery Coolant Level Low	False	
Isolation Vehicle Diagnostic Status	Run and Passed	
Isolation Vehicle Impedance	7.1818	Mega Ohms

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

BPCM | P1CDC-00 | Stored | Hybrid/EV Wakeup Control 1 Output Circuit Short to Ground-

NAME	VALUE	UNITS
DTC	1C DC 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	11065	miles
Most Recent Odometer Value	11075	miles
Frequency Counter	4	
Ignition Cycle Counter	1	
FoM - for this DTC (lifetime fails)	2	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	41987668	seconds
Key in Ignition	Key_Def	
Key Position	Ign_Run	
EPT -WakeUp	Not Sourced	
HCP Contactor Command	Closed	
Qualified Contactor Command - QCC	Closed	
Verified Contactor Command - VCC	Invalid	
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)	11068.77	miles
Battery Lifetime Miles	A5E178	miles
Vehicle Speed	FE	MPH
System (12) Volts at time of fault	12.400	Volts
Battery Lifetime AmpHrs of Charge	6951.3	AHr
Battery Lifetime AmpHrs of DisCharge	6942.6	AHr
SOC at time of Fault	24.3	%
Power Up SOC at time of Fault	25.5	%

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	0.305	Volts
HVIL PWM peak voltage Sensed - Vehicle	0.282	Volts
HVIL Source Voltage- Battery	1.370	Volts
HVIL Returned current - Battery	30.20	mA
HV Battery Current Sensor 1 Hall High	-0.60	Amps
HV Battery Current Sensor 2 Hall Low	-0.05	Amps
HV Battery Current HVBatCmt	0.00	Amps
HV Cooling Speed Pump 1 Target	0	rpm
HV Cooling Speed pump 1 Speed	0	rpm
Charge indicator Temp	82	°F
BPCM temperature max	97	°F
BPCM temperature min	88	°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	2.498	Volts
Isolation Circuitry Vb	2.501	Volts
Isolation Circuitry Vd	0.000	Volts
WC and Circuitry 2.5V Reference Voltage	2.501	Volts
WC and Circuitry Vcc Voltage	5.014	Volts
WC and CircuitryISO 8V Reference Voltage	7.968	Volts
WC and Circuitry Weld Contactor Sensor G (Pack Negative) Voltage	-0.8	Volts
CVTN COMP ERR H	Latched	
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	Active	
CVTN FACT CKSUM ERR	Latched	
CVTN ANALOG FAULT ERR	SNA	
CVTN HREF FAULT	Active	
CVTN HREF GND FAULT	Latched	
CVTN ADC CAL ERR	Normal	
CVTN CUST ECC COR	Active	
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	93762	watts
HV Battery Charge Power 10sec	91188	watts
HV Battery Discharge Power 2sec	92328	watts
HV Battery Discharge Power 10sec	89895	watts
HV Battery Power	007530	watts
Key - DriveRdy (CAN)	True	
Battery Lifetime Number Of Closes	3180	
Battery Full AmpHr Capacity	49	AmpHrs
Cell Impedance Max Discharge	0	mOhms
Cell Impedance Mim Discharge	0	mOhms
Battery Cell Voltage Maximum	3555	mV
Battery Cell Voltage Minimum	3543	mV
Battery Cell Voltage Average	3550	mV
Battery Cell Highest Cell number	25	
Battery Cell Lowest Cell number	62	
HV Battery Voltage (cell sum)	340.80	Volts
HV Battery Voltage (Module Sum)	340.60	Volts
HV Sensor A Pack Voltage	340.80	Volts
HV Sensor B Bus\Link (Pre-Fuse) Voltage	1.40	Volts
HV Sensor C OBCM (HVOBC Fuse) Voltage	0.80	Volts
HV Sensor D Heater (HVHTR Fuse) Voltage	0.80	Volts
HV Sensor G Weld Contactor(Pack Negative) Voltage	-0.8	Volts
Battery Temperature Maximum Module	97	°F
Battery Temperature Minimum Module	88	°F
Battery Temperature Average Module	93	°F

Battery Temperature Highest Sensor number	06	
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	99	°F
HV Cooling Battery coolant outlet temp	122	°F
HV Cooling OBCM temp inlet Temp	104	°F
Pump - Battery Coolant Level Low	False	
Isolation Vehicle Diagnostic Status	Run and Passed	
Isolation Vehicle Impedance	7.5100	Mega Ohms
Isolation Battery Diagnostic Status	Run and Passed	
Isolation Battery Impedance	0.8480	Mega Ohms
CVTN CUST CKSUM ERR	SNA	

BPCM | U0594-00 | Stored | Implausible Data Received From Hybrid Control Module "A"-

NAME	VALUE	UNITS
DTC	C5 94 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	11065	miles
Most Recent Odometer Value	11065	miles
Frequency Counter	2	
Ignition Cycle Counter	1	
FoM - for this DTC (lifetime fails)	3	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	41987644	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	True	

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)	11068.77	miles
Battery Lifetime Miles	A5E178	miles
Vehicle Speed	FE	MPH
System (12) Volts at time of fault	14.775	Volts
Battery Lifetime AmpHrs of Charge	6951.3	AHr
Battery Lifetime AmpHrs of DisCharge	6942.6	AHr
SOC at time of Fault	24.3	%
Power Up SOC at time of Fault	25.5	%
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	13.539	Volts
HVIL PWM peak voltage Sensed - Vehicle	13.464	Volts
HVIL Source Voltage- Battery	1.377	Volts
HVIL Returned current - Battery	30.40	mA
HV Battery Current Sensor 1 Hall High	-4.05	Amps
HV Battery Current Sensor 2 Hall Low	-3.25	Amps
HV Battery Current HVBatCmnt	-4.55	Amps
HV Cooling Speed Pump 1 Target	0	rpm
HV Cooling Speed pump 1 Speed	0	rpm
Charge indicator Temp	82	°F
BPCM temperature max	97	°F
BPCM temperature min	88	°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	2.498	Volts
Isolation Circuitry Vb	2.501	Volts
Isolation Circuitry Vd	0.000	Volts
WC and Circuitry 2.5V Reference Voltage	2.500	Volts
WC and Circuitry Vcc Voltage	5.031	Volts
WC and CircuitryISO 8V Reference Voltage	7.968	Volts
WC and Circuitry Weld Contactor Sensor G (Pack Negative) Voltage	1.0	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	Active	
CVTN FACT CKSUM ERR	SNA	
CVTN ANALOG FAULT ERR	SNA	
CVTN HREF FAULT	Active	
CVTN HREF GND FAULT	Latched	
CVTN ADC CAL ERR	Normal	
CVTN CUST ECC COR	Active	
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	93954	watts
HV Battery Charge Power 10sec	91164	watts
HV Battery Discharge Power 2sec	92304	watts
HV Battery Discharge Power 10sec	89862	watts
HV Battery Power	007494	watts
Key - DriveRdy (CAN)	True	
Battery Lifetime Number Of Closes	3180	
Battery Full AmpHr Capacity	49	AmpHrs
Cell Impedance Max Discharge	0	mOhms
Cell Impedance Mim Discharge	0	mOhms
Battery Cell Voltage Maximum	3557	mV
Battery Cell Voltage Minimum	3538	mV
Battery Cell Voltage Average	3548	mV
Battery Cell Highest Cell number	02	
Battery Cell Lowest Cell number	52	

HV Battery Voltage (cell sum)	340.60	Volts
HV Battery Voltage (Module Sum)	339.90	Volts
HV Sensor A Pack Voltage	340.50	Volts
HV Sensor B Bus\Link (Pre-Fuse) Voltage	340.50	Volts
HV Sensor C OBCM (HVOBC Fuse) Voltage	340.50	Volts
HV Sensor D Heater (HVHTR Fuse) Voltage	340.40	Volts
HV Sensor G Weld Contactor(Pack Negative) Voltage	1.0	Volts
Battery Temperature Maximum Module	97	°F
Battery Temperature Minimum Module	88	°F
Battery Temperature Average Module	93	°F
Battery Temperature Highest Sensor number	06	
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	99	°F
HV Cooling Battery coolant outlet temp	122	°F
HV Cooling OBCM temp inlet Temp	109	°F
Pump - Battery Coolant Level Low	False	
Isolation Vehicle Diagnostic Status	Run and Passed	
Isolation Vehicle Impedance	7.5100	Mega Ohms
Isolation Battery Diagnostic Status	Run and Passed	
Isolation Battery Impedance	0.8480	Mega Ohms
CVTN CUST CKSUM ERR	Latched	

HCP | P0A0A-00 | Stored | High Voltage System Interlock Circuit "A"-

NAME	VALUE	UNITS
DTC	0A 0A 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	11068.5	miles
Most Recent Odometer Value	11076.5	miles
Frequency Counter	10	
Ignition Cycle Counter	0	
Real time clock	41991912	sec
RAM stamps keyOn	840	sec
RAM Stamps	71444	Min
Accelerator Pedal Position	0	%

Brake Switch Status	Not Applied	
Engine Speed	902	rpm
HV Battery SOC	24	%
Ignition State	Reserved	
PRND Position Display	P	
Propulsion System Active	False	
Vehicle Speed	0.0000	MPH
Motor A Temp Sensor	144	°F
Motor B Temp Sensor	153	°F
Barometric Pressure	14	PSI
Engine Coolant Temperature	180	°F
Internal EPS Voltage Sense A	8.208	Volts
Internal EPS Voltage Sense B	8.064	Volts
Motor A Torque	0.000	Ft-Lbs
Motor B Torque	0.000	Ft-Lbs
Actual Torque - Motor A	0.000	Ft-Lbs
Actual Torque - Motor B	0.000	Ft-Lbs
Available Motor Torque - Motor A	0.000	Ft-Lbs
Available Motor Torque - Motor B	0.000	Ft-Lbs
Available Regen Torque - Motor A	0.000	Ft-Lbs
Available Regen Torque - Motor B	0.000	Ft-Lbs
Commanded Torque - Motor A	0.000	Ft-Lbs
Commanded Torque - Motor B	0.000	Ft-Lbs
Motor A - Inverter Current - phase A	-4	AMP
Motor A - Inverter Current - phase B	-4	AMP
Motor A - Inverter Current - phase C	-4	AMP
Motor B - Inverter Current - phase A	-4	AMP
Motor B - Inverter Current - phase B	0	AMP
Motor B - Inverter Current - phase C	0	AMP
Motor B Resolver Angle	226	Degree
Motor A Resolver Angle	108	Degree
Electric Motor A Speed	3930.0	rpm
Electric Motor B Speed	2.5	rpm
PIM DC Link Voltage - A	82	Volts
PIM DC Link Voltage - B	80	Volts
HCP ePT Wake-Up Output	On	
CBC Wake-Up Input	Off	
HCP System Shutdown Command	Default	
HV Battery Voltage from BPCM	180.00	Volts
SW Build Release Version	PIM_21B_2011B0_RU_HCP___	
HCP SW Version	21B	
EPT LOC Diag Enable	Enable LOC Diagnostic	
HV Contactor Status	Closed	
APM Status	Buck CV	

Impact Event	False	
Outside Air Temperature	78.8	°F
OBCM Operating Mode	UTC	
J1772 Prox Detected State	Prox Out	
HV Battery Sleep Time	0	Days
Battery Feed Voltage 1 Sense	13.032	Volts
Battery Feed Voltage 2 Sense	13.032	Volts
Battery Feed Voltage 3 Sense	12.960	Volts
Hybrid System State	Determine Hybrid System State	
Inverter A IGBT Temperature for phase A	108	°F
Inverter A IGBT Temperature for phase B	106	°F
Inverter A IGBT Temperature for phase C	106	°F
Inverter B IGBT Temperature for phase A	102	°F
Inverter B IGBT Temperature for phase B	106	°F
Inverter B IGBT Temperature for phase C	102	°F
PHEV Charging Status	No Charging	
Distance Travelled with Light ON	19	miles
GPS Date - Year	2022	Year
GPS Date - Month	4	
GPS Date - Day	4	Days
UTC Time - Hours	20	Hours
UTC Time - Minutes	48	
UTC Time - Seconds	0	seconds
ECU Time - Milliseconds	662	ms

HCP | P1A24-00 | Stored | AC Contactor Shorted to AC Supply-

NAME	VALUE	UNITS
DTC	1A 24 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	True	
Warning Indicator Requested	False	
DTC Extended Data Record Number	07	
Occurrence flag	Occurrence	
Original Odometer Value	10389.7	miles
Most Recent Odometer Value	10412.7	miles
Frequency Counter	4	
Ignition Cycle Counter	0	
Real time clock	41101420	sec
RAM stamps keyOn	15	sec

RAM Stamps	69998	Min
Accelerator Pedal Position	0	%
Brake Switch Status	Not Applied	
Engine Speed	0	rpm
Ignition State	Ignition Lock	
PRND Position Display	P	
Propulsion System Active	False	
Vehicle Speed	0.0000	MPH
Barometric Pressure	15	PSI
Engine Coolant Temperature	176	°F
HVIL Sense Input State	Detected	
No Charging Reasons	OBCM Initiated Shutdown	
Battery Feed Voltage 2 Sense	12.456	Volts
Internal EPS Voltage Sense A	8.208	Volts
Internal EPS Voltage Sense B	8.064	Volts
HCP ePT Wake-Up Output	On	
CBC Wake-Up Input	Off	
Hybrid System State	SNA	
SW Build Release Version	PIM_21B_2011B0_RU_HCP__	
HCP SW Version	21B	
EPT LOC Diag Enable	Enable Limited LOC Diagnostic	
CAN Overrun Counter	0	Number
Impact Event	False	
Outside Air Temperature	40.1	°F
Maximum Charge Current Allowed	0.00	Amps
Charge Current Available	17.00	AMP
OBCM Derating Reason	No Derating	
OBCM Operating Mode	Idle	
HCP Commanded OBCM Mode	Idle	
J1772 Prox Detected State	VOOR	
J1772 Pilot Detected State	CP DET	
OBCM J1772 S2 Status	Off	
HCP J1772 S2 Close Command	Off	
OBCM Ready to Charge	Charge Disabled	
HCP Command to Enable Charging	Charge Disabled	
HCP Charging System Status	ChargeComplete	
HCP Charging Level	Reserved	
HCP Charging System Fault	True	
HCP Charging Fault Reason	OBCM Initiated Shutdown	
HV Battery Contactor State	Closed	
DC Voltage Not Detected	Passed	
AC Voltage Detected	AC OK	
HV Battery Actual Current	0.00	AMP
AC Voltage for Charging	237.3	Volts

AC Current During Charging	0.80	Amps
Maximum EVSE Current Available	42	AMP
HCP Charging Current Command	0.00	AMP
HCP Charging Voltage Command	401	Volts
DC Charging Current	0.40	Amps
OBCM Charging Voltage	388.9	Volts
OBCM Module A Max Temperature	41	°F
OBCM Module B Max Temperature	43	°F
OBCM Module A PCB Temperature	41	°F
OBCM Module B PCB Temperature	43	°F
OBCM Accumulated Charging Time	40092	hrs
OBCM Charging Power	0	KW-Hrs
HV Battery Pump Current	0.0	AMP
Radiator Fan Command	7	%
HV Battery Inlet Temperature	43	°F
HV Battery Outlet Temperature	43	°F
HV Battery Min Cell Voltage	0.225	Volts
Max Cell Voltage	0.550	Volts
Min Cell Temperature	43	°F
Max Cell Temperature	45	°F
HV Battery Sleep Time	0	Days
HV Battery SOC	89	%
Battery Feed Voltage 1 Sense	12.456	Volts
Battery Feed Voltage 3 Sense	12.312	Volts
Actual Torque - Motor A	0.000	Ft-Lbs
Actual Torque - Motor B	0.000	Ft-Lbs
Available Motor Torque - Motor A	87.205	Ft-Lbs
Available Motor Torque - Motor B	232.301	Ft-Lbs
Available Regen Torque - Motor A	-87.205	Ft-Lbs
Available Regen Torque - Motor B	-232.301	Ft-Lbs
Commanded Torque - Motor A	0.000	Ft-Lbs
Commanded Torque - Motor B	0.000	Ft-Lbs
Motor A - Inverter Current - phase A	-4	AMP
Motor A - Inverter Current - phase B	-4	AMP
Motor A - Inverter Current - phase C	-4	AMP
Motor B - Inverter Current - phase A	-4	AMP
Motor B - Inverter Current - phase B	-4	AMP
Motor B - Inverter Current - phase C	-4	AMP
Motor A Resolver Angle	290	Degree
Motor B Resolver Angle	78	Degree
Motor A Temp Sensor	46	°F
Motor B Temp Sensor	46	°F
HV Contactor Status	Closed	
HV Battery Voltage from BPCM	390.90	Volts

Electric Motor A Speed	0.0	rpm
Electric Motor B Speed	0.0	rpm
PIM DC Link Voltage - A	392	Volts
PIM DC Link Voltage - B	390	Volts
Inverter A IGBT Temperature for phase A	43	°F
Inverter A IGBT Temperature for phase B	43	°F
Inverter A IGBT Temperature for phase C	43	°F
Inverter B IGBT Temperature for phase A	43	°F
Inverter B IGBT Temperature for phase B	43	°F
Inverter B IGBT Temperature for phase C	43	°F
APM Status	Idle	
HCP System Shutdown Command	Default	
PHEV Charging Status	ChargeComplete	
Distance Travelled with Light ON	0	miles
Motor A Torque	0.000	Ft-Lbs
Motor B Torque	0.000	Ft-Lbs
GPS Date - Year	2022	Year
GPS Date - Month	3	
GPS Date - Day	25	Days
UTC Time - Hours	13	Hours
UTC Time - Minutes	27	
UTC Time - Seconds	0	seconds
ECU Time - Milliseconds	362	ms

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	True	
Occurrence flag	Occurrence	
Original Odometer Value	11068.5	miles
Most Recent Odometer Value	11076.5	miles
Frequency Counter	7	
Ignition Cycle Counter	0	
Real time clock	41991912	sec
RAM stamps keyOn	840	sec
RAM Stamps	71444	Min
Accelerator Pedal Position	0	%

Brake Switch Status	Not Applied	
PHEV Charging Status	No Charging	
Engine Speed	1253	rpm
HV Battery SOC	24	%
Ignition State	Reserved	
PRND Position Display	P	
Propulsion System Active	False	
Vehicle Speed	0.0000	MPH
Barometric Pressure	14	PSI
Engine Coolant Temperature	180	°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	5255.5	rpm
Motor A - Inverter Current - phase A	-4	AMP
Motor A - Inverter Current - phase B	0	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	13.896	Volts
Battery Feed Voltage 3 Sense	13.824	Volts
Internal EPS Voltage Sense A	8.208	Volts
Internal EPS Voltage Sense B	8.064	Volts
Hybrid System State	Determine Hybrid System State	
PIM DC Link Voltage - A	97	Volts
PIM DC Link Voltage - B	95	Volts
Passive Pump Coolant Temp In Sensor	102	°F
Low Temp Active Pump Speed	0	rpm
High Temp Aux Pump - Actual Speed	4968	rpm
Outside Air Temperature	78.8	°F
HV Contactor Status	Closed	
Inverter B Status Feedback	Inverter Faulted	
Battery Feed Voltage 1 Sense	13.896	Volts
Actual Torque - Motor B	0.000	Ft-Lbs
Available Motor Torque - Motor B	0.000	Ft-Lbs
Available Regen Torque - Motor A	0.000	Ft-Lbs
Available Regen Torque - Motor B	0.000	Ft-Lbs
Commanded Torque - Motor A	0.000	Ft-Lbs
Commanded Torque - Motor B	0.000	Ft-Lbs
Motor B - Inverter Current - phase A	-4	AMP
Motor B - Inverter Current - phase B	0	AMP
Motor B - Inverter Current - phase C	0	AMP

Motor B Resolver Angle	226	Degree
Motor B Temp Sensor	153	°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	1.5	rpm
Inverter A IGBT Temperature for phase A	108	°F
Inverter A IGBT Temperature for phase B	106	°F
Inverter A IGBT Temperature for phase C	106	°F
Inverter B IGBT Temperature for phase A	102	°F
Inverter B IGBT Temperature for phase B	106	°F
Inverter B IGBT Temperature for phase C	102	°F
APM Status	Buck CV	
Impact Event	False	
HCP System Shutdown Command	Default	
Distance Travelled with Light ON	19	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	2022	Year
GPS Date - Month	4	
GPS Date - Day	4	Days
UTC Time - Hours	20	Hours
UTC Time - Minutes	48	
UTC Time - Seconds	0	seconds
ECU Time - Milliseconds	169	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	True	
Occurrence flag	Occurrence	

Original Odometer Value	11068.5	miles
Most Recent Odometer Value	11076.5	miles
Frequency Counter	8	
Ignition Cycle Counter	0	
Real time clock	41991912	sec
RAM stamps keyOn	840	sec
RAM Stamps	71444	Min
Accelerator Pedal Position	0	%
Brake Switch Status	Not Applied	
PHEV Charging Status	No Charging	
Engine Speed	1289	rpm
HV Battery SOC	24	%
Ignition State	Reserved	
PRND Position Display	P	
Propulsion System Active	True	
Vehicle Speed	0.0000	MPH
Barometric Pressure	14	PSI
Engine Coolant Temperature	180	°F
Actual Torque - Motor B	0.000	Ft-Lbs
Available Motor Torque - Motor B	0.000	Ft-Lbs
Inverter B Input DC Current	0.0	AMP
Electric Motor B Speed	2.0	rpm
Commanded Inverter B State	Torque Control	
Motor B - Inverter Current - phase A	0	AMP
Motor B - Inverter Current - phase B	0	AMP
Motor B - Inverter Current - phase C	-4	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	14.112	Volts
Internal EPS Voltage Sense A	8.208	Volts
Internal EPS Voltage Sense B	8.064	Volts
Battery Feed Voltage 1 Sense	14.184	Volts
Battery Feed Voltage 3 Sense	14.040	Volts
Hybrid System State	Determine Hybrid System State	
Actual Torque - Motor A	0.000	Ft-Lbs
Available Motor Torque - Motor A	0.000	Ft-Lbs
Available Regen Torque - Motor A	0.000	Ft-Lbs

Available Regen Torque - Motor B	0.000	Ft-Lbs
Commanded Torque - Motor A	0.000	Ft-Lbs
Commanded Torque - Motor B	0.000	Ft-Lbs
Motor A - Inverter Current - phase A	-4	AMP
Motor A - Inverter Current - phase B	0	AMP
Motor A - Inverter Current - phase C	-4	AMP
Motor A Resolver Angle	140	Degree
Motor A Temp Sensor	144	°F
Outside Air Temperature	78.8	°F
HCP ePT Wake-Up Output	On	
CBC Wake-Up Input	Off	
EPT LOC Diag Enable	Enable LOC Diagnostic	
HV Contactor Status	Closed	
HV Battery Voltage from BPCM	180.00	Volts
Electric Motor A Speed	5295.0	rpm
PIM DC Link Voltage - A	99	Volts
PIM DC Link Voltage - B	97	Volts
Inverter A IGBT Temperature for phase A	109	°F
Inverter A IGBT Temperature for phase B	106	°F
Inverter A IGBT Temperature for phase C	106	°F
Inverter B IGBT Temperature for phase A	102	°F
Inverter B IGBT Temperature for phase B	106	°F
Inverter B IGBT Temperature for phase C	102	°F
APM Status	Buck CV	
Impact Event	False	
HCP System Shutdown Command	Default	
Distance Travelled with Light ON	19	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
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	2022	Year
GPS Date - Month	4	
GPS Date - Day	4	Days
UTC Time - Hours	20	Hours
UTC Time - Minutes	48	
UTC Time - Seconds	0	seconds
ECU Time - Milliseconds	69	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	11058.2	miles
Most Recent Odometer Value	11076.5	miles
Frequency Counter	10	
Ignition Cycle Counter	0	
Real time clock	41991912	sec
RAM stamps keyOn	825	sec
RAM Stamps	71444	Min
Accelerator Pedal Position	0	%
Brake Switch Status	Not Applied	
Engine Speed	1105	rpm
HV Battery SOC	24	%
Ignition State	Reserved	
PRND Position Display	P	
Propulsion System Active	True	
Vehicle Speed	0.0000	MPH
Motor A Temp Sensor	144	°F
Motor B Temp Sensor	153	°F
Barometric Pressure	14	PSI
Engine Coolant Temperature	180	°F
Internal EPS Voltage Sense A	8.208	Volts
Internal EPS Voltage Sense B	8.064	Volts
Motor A Torque	-11.984	Ft-Lbs
Motor B Torque	-14.934	Ft-Lbs
Actual Torque - Motor A	-11.984	Ft-Lbs
Actual Torque - Motor B	-14.934	Ft-Lbs
Available Motor Torque - Motor A	85.730	Ft-Lbs
Available Motor Torque - Motor B	232.301	Ft-Lbs
Available Regen Torque - Motor A	-85.730	Ft-Lbs
Available Regen Torque - Motor B	-232.301	Ft-Lbs
Commanded Torque - Motor A	-12.168	Ft-Lbs
Commanded Torque - Motor B	-15.210	Ft-Lbs
Motor A - Inverter Current - phase A	-32	AMP
Motor A - Inverter Current - phase B	60	AMP
Motor A - Inverter Current - phase C	-32	AMP
Motor B - Inverter Current - phase A	-20	AMP
Motor B - Inverter Current - phase B	32	AMP
Motor B - Inverter Current - phase C	-20	AMP
Motor B Resolver Angle	226	Degree
Motor A Resolver Angle	240	Degree
Electric Motor A Speed	4577.0	rpm
Electric Motor B Speed	2.0	rpm

PIM DC Link Voltage - A	343	Volts
PIM DC Link Voltage - B	342	Volts
HCP ePT Wake-Up Output	On	
CBC Wake-Up Input	Off	
HCP System Shutdown Command	Default	
HV Battery Voltage from BPCM	342.40	Volts
SW Build Release Version	PIM_21B_2011B0_RU_HCP__	
HCP SW Version	21B	
EPT LOC Diag Enable	Enable LOC Diagnostic	
HV Contactor Status	Closed	
APM Status	Buck CV	
Impact Event	False	
Outside Air Temperature	78.8	°F
OBCM Operating Mode	UTC	
J1772 Prox Detected State	Prox Out	
HV Battery Sleep Time	0	Days
Battery Feed Voltage 1 Sense	14.544	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	109	°F
Inverter A IGBT Temperature for phase B	106	°F
Inverter A IGBT Temperature for phase C	106	°F
Inverter B IGBT Temperature for phase A	102	°F
Inverter B IGBT Temperature for phase B	106	°F
Inverter B IGBT Temperature for phase C	102	°F
PHEV Charging Status	No Charging	
Distance Travelled with Light ON	19	miles
GPS Date - Year	2022	Year
GPS Date - Month	4	
GPS Date - Day	4	Days
UTC Time - Hours	20	Hours
UTC Time - Minutes	48	
UTC Time - Seconds	0	seconds
ECU Time - Milliseconds	763	ms

HCP | 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	True	
DTC Extended Data Record Number	07	
Occurrence flag	Occurrence	
Original Odometer Value	11068.9	miles
Most Recent Odometer Value	11076.5	miles
Frequency Counter	6	
Ignition Cycle Counter	0	
Real time clock	41991968	sec
RAM stamps keyOn	885	sec
RAM Stamps	71445	Min
Accelerator Pedal Position	0	%
Brake Switch Status	Not Applied	
Engine Speed	0	rpm
Ignition State	Reserved	
PRND Position Display	P	
Propulsion System Active	False	
Vehicle Speed	0.0000	MPH
Barometric Pressure	14	PSI
Engine Coolant Temperature	181	°F
HVIL Sense Input State	Detected	
No Charging Reasons	BPCM not in Charging State	
Battery Feed Voltage 2 Sense	12.024	Volts
Internal EPS Voltage Sense A	0.000	Volts
Internal EPS Voltage Sense B	0.000	Volts
HCP ePT Wake-Up Output	On	
CBC Wake-Up Input	Off	
Hybrid System State	SNA	
SW Build Release Version	PIM_21B_2011B0_RU_HCP___	
HCP SW Version	21B	
EPT LOC Diag Enable	Enable LOC Diagnostic	
CAN Overrun Counter	0	Number
Impact Event	False	
Outside Air Temperature	78.8	°F
Maximum Charge Current Allowed	0.00	Amps
Charge Current Available	0.00	AMP
OBCM Derating Reason	No Derating	
OBCM Operating Mode	UTC	
HCP Commanded OBCM Mode	Idle	
J1772 Prox Detected State	CP DET	
J1772 Pilot Detected State	NO EVSE	
OBCM J1772 S2 Status	Off	
HCP J1772 S2 Close Command	Off	

OBCM Ready to Charge	Charge Enabled	
HCP Command to Enable Charging	Charge Disabled	
HCP Charging System Status	No Charging	
HCP Charging Level	Reserved	
HCP Charging System Fault	True	
HCP Charging Fault Reason	BPCM not in Charging State	
HV Battery Contactor State	Open	
DC Voltage Not Detected	Passed	
AC Voltage Detected	AC Not OK	
HV Battery Actual Current	0.00	AMP
AC Voltage for Charging	1.9	Volts
AC Current During Charging	0.80	Amps
Maximum EVSE Current Available	0	AMP
HCP Charging Current Command	0.00	AMP
HCP Charging Voltage Command	0	Volts
DC Charging Current	0.40	Amps
OBCM Charging Voltage	339.4	Volts
OBCM Module A Max Temperature	118	°F
OBCM Module B Max Temperature	118	°F
OBCM Module A PCB Temperature	118	°F
OBCM Module B PCB Temperature	118	°F
OBCM Accumulated Charging Time	40348	hrs
OBCM Charging Power	0	KW-Hrs
HV Battery Pump Current	0.0	AMP
Radiator Fan Command	88	%
HV Battery Inlet Temperature	102	°F
HV Battery Outlet Temperature	122	°F
HV Battery Min Cell Voltage	0.225	Volts
Max Cell Voltage	0.550	Volts
Min Cell Temperature	90	°F
Max Cell Temperature	97	°F
HV Battery Sleep Time	0	Days
HV Battery SOC	24	%
Battery Feed Voltage 1 Sense	12.024	Volts
Battery Feed Voltage 3 Sense	11.952	Volts
Actual Torque - Motor A	0.000	Ft-Lbs
Actual Torque - Motor B	0.000	Ft-Lbs
Available Motor Torque - Motor A	0.000	Ft-Lbs
Available Motor Torque - Motor B	0.000	Ft-Lbs
Available Regen Torque - Motor A	0.000	Ft-Lbs
Available Regen Torque - Motor B	0.000	Ft-Lbs
Commanded Torque - Motor A	0.000	Ft-Lbs
Commanded Torque - Motor B	0.000	Ft-Lbs
Motor A - Inverter Current - phase A	0	AMP

Motor A - Inverter Current - phase B	-4	AMP
Motor A - Inverter Current - phase C	-4	AMP
Motor B - Inverter Current - phase A	0	AMP
Motor B - Inverter Current - phase B	-4	AMP
Motor B - Inverter Current - phase C	0	AMP
Motor A Resolver Angle	8	Degree
Motor B Resolver Angle	226	Degree
Motor A Temp Sensor	144	°F
Motor B Temp Sensor	153	°F
HV Contactor Status	Open	
HV Battery Voltage from BPCM	180.00	Volts
Electric Motor A Speed	0.0	rpm
Electric Motor B Speed	0.5	rpm
PIM DC Link Voltage - A	6	Volts
PIM DC Link Voltage - B	4	Volts
Inverter A IGBT Temperature for phase A	93	°F
Inverter A IGBT Temperature for phase B	91	°F
Inverter A IGBT Temperature for phase C	91	°F
Inverter B IGBT Temperature for phase A	91	°F
Inverter B IGBT Temperature for phase B	91	°F
Inverter B IGBT Temperature for phase C	91	°F
APM Status	Idle	
HCP System Shutdown Command	Default	
PHEV Charging Status	No Charging	
Distance Travelled with Light ON	19	miles
Motor A Torque	0.000	Ft-Lbs
Motor B Torque	0.000	Ft-Lbs
GPS Date - Year	2022	Year
GPS Date - Month	4	
GPS Date - Day	4	Days
UTC Time - Hours	20	Hours
UTC Time - Minutes	49	
UTC Time - Seconds	0	seconds
ECU Time - Milliseconds	6	ms

HCP | U11F8-00 | Stored |

NAME	VALUE	UNITS
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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	11065	miles
Most Recent Odometer Value	11075	miles
Frequency Counter	8	
Ignition Cycle Counter	5	
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	0.80	Amps
AC Side Volt	1.9	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	0.40	Amps
Battery Side Voltage	162.0	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	99	°F
OBCM Temperature 2	100	°F
OBCM Temperature 3	82	°F
OBCM Temperature 4	81	°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	4.455	Volt
OBC Idle Tml	37	hrs
Watt-Hours of AC Power	2	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	82	°F
Module A Primary - LLC Temperature	77	°F
Module A Secondary - Buck Temperature	81	°F
Module A Secondary - Ambient Temperature	100	°F
Module A Primary - AC Side Volt	1.2	Volts
Module A Primary - AC Side Current	-24.60	Amps
Module A Secondary - Battery Side Voltage	162.0	Volts
Module A Secondary - Battery Side Current	-24.90	Amps
Module A Secondary - Buck Output Voltage	0.1	Volts
Module B Primary - PFC Temperature	86	°F
Module B Primary - LLC Temperature	79	°F
Module B Secondary - Buck Temperature	82	°F
Module B Secondary - Ambient Temperature	99	°F
Module B Primary - AC Side Volt	2.6	Volts
Module B Primary - AC Side Current	-24.60	Amps
Module B Secondary - Battery Side Voltage	162.0	Volts
Module B Secondary - Battery Side Current	-24.70	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	40348	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

OBCM | U1814-00 | Stored | OBCM Lost Communication with BPCM-

NAME	VALUE	UNITS
DTC	D8 14 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	11065	miles
Most Recent Odometer Value	11075	miles
Frequency Counter	3	
Ignition Cycle Counter	6	
DTC Extended Data Record Number - Record #2	2E	
OBCM Status AC Present	AC Not OK	
AC Line Low	Valid	
AC Line High	Not Valid	
AC Side Current	0.80	Amps
AC Side Volt	1.9	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	0.40	Amps
Battery Side Voltage	0.0	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	111	°F
OBCM Temperature 2	111	°F
OBCM Temperature 3	100	°F
OBCM Temperature 4	97	°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	4.446	Volt
OBC Idle Tml	37	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	At Least One DTC set on Sys Mem	
Chrg Fail Sts	Faulted - Charging Inhibited	
OBCM Wake Up Reason	Master Wake Up	
OBC Control Mth	Current	
OBCM Deraing Reason	AC Voltage Limit 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	99	°F
Module A Primary - LLC Temperature	100	°F
Module A Secondary - Buck Temperature	97	°F
Module A Secondary - Ambient Temperature	111	°F
Module A Primary - AC Side Volt	1.2	Volts
Module A Primary - AC Side Current	-24.60	Amps
Module A Secondary - Battery Side Voltage	0.0	Volts
Module A Secondary - Battery Side Current	-24.90	Amps
Module A Secondary - Buck Output Voltage	0.1	Volts
Module B Primary - PFC Temperature	100	°F
Module B Primary - LLC Temperature	102	°F
Module B Secondary - Buck Temperature	100	°F
Module B Secondary - Ambient Temperature	111	°F
Module B Primary - AC Side Volt	2.6	Volts
Module B Primary - AC Side Current	-24.60	Amps
Module B Secondary - Battery Side Voltage	0.0	Volts
Module B Secondary - Battery Side Current	-24.70	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	True	
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	False	
Module A Primary - PFC Power Limit	True	
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	True	
Module A Primary - Loss Communication Protect	False	
Module A Primary - Standby Mode	True	
Module A Primary - Operate Mode	False	
Module A Primary - Shutdown Mode	False	
Module A Secondary - Aux Enable States	True	
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	True	
Module A Secondary - Operate Mode	False	
Module A Secondary - Shutdown Mode	False	
Module A Secondary - LV Micro Disable Command	True	
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	True	
Module A Secondary - HV Output Voltage Derating	False	
Module B Primary - AC Under Voltage Protect	False	
Module B Primary - PFC Power Limit	True	
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	True	
Module B Primary - Loss Communication Protect	False	
Module B Primary - Standby Mode	True	
Module B Primary - Operate Mode	False	
Module B Primary - Shutdown Mode	False	
Module B Secondary - Aux Enable States	True	
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	True	
Module B Secondary - Operate Mode	False	
Module B Secondary - Shutdown Mode	False	
Module B Secondary - LV Micro Disable Command	True	
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	True	
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	40348	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

OBCM | P1A24-00 | Stored | AC Contactor Shorted to AC Supply-

NAME	VALUE	UNITS
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DTC	1A 24 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	True	
Warning Indicator Requested	False	
DTC Extended Data Record Number - All	01	
Occurrence flag	ERROR	
Original Odometer Value	10389	miles
Most Recent Odometer Value	10409	miles
Frequency Counter	4	
Ignition Cycle Counter	71	
DTC Extended Data Record Number - Record #2	14	
OBCM Status AC Present	AC OK	
AC Line Low	Not Valid	
AC Line High	Not Valid	
AC Side Current	0.80	Amps
AC Side Volt	238.8	Volts
HCP (EVCU) AC Current Max Cal	-0.50	Amps
HCP (EVCU) Voltage Request	400	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	0.40	Amps
Battery Side Voltage	209.1	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	70	°F
OBCM Temperature 2	66	°F
OBCM Temperature 3	68	°F
OBCM Temperature 4	64	°F
NTC1 OT	False	
NTC2 OT	False	
NTC3 OT	False	
NTC4 OT	False	
External OBCM Inlet Temperature (CAN)	-40	°F
J1772 ICA	42	AMP

J1772 S2 Close	Open	
J1772 Stat	Connection Ready No Vent	
J1772 S2 Status	Open	
Control Pilot Amplitude	8.676	Volts
Control Pilot Duty Cycle	68.95	%
Control Pilot Frequency	999	Hz
EVSE Pilot Stat	CP DET	
Prox Stat	Prox Detected	
Prox Voltage	1.464	Volt
OBC Idle Tml	37	hrs
Watt-Hours of AC Power	0	W-Hrs
Watt Hours of Charge the HV Bus	0	W-Hrs
OBCM Mode	Idle	
OBCM Charger Ready	On	
OBCM WU Status	On	
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	No Faults detected	
OBCM Wake Up Reason	Master Wake Up	
OBC Control Mth	Current	
OBCM Deraing Reason	No Derating	
Close Chrgr Cntctr	Open	
Chrgr Cntctr Stat	Closed	
Chrg Mode	Charge Mode	
OBCM Fault Reason	No Faults detected	
Module A Primary - PFC Temperature	66	°F
Module A Primary - LLC Temperature	66	°F
Module A Secondary - Buck Temperature	64	°F
Module A Secondary - Ambient Temperature	66	°F
Module A Primary - AC Side Volt	238.9	Volts
Module A Primary - AC Side Current	-24.60	Amps
Module A Secondary - Battery Side Voltage	209.2	Volts
Module A Secondary - Battery Side Current	-24.90	Amps
Module A Secondary - Buck Output Voltage	0.1	Volts
Module B Primary - PFC Temperature	70	°F
Module B Primary - LLC Temperature	70	°F
Module B Secondary - Buck Temperature	68	°F
Module B Secondary - Ambient Temperature	70	°F
Module B Primary - AC Side Volt	238.7	Volts
Module B Primary - AC Side Current	-24.60	Amps
Module B Secondary - Battery Side Voltage	209.0	Volts

Module B Secondary - Battery Side Current	-24.70	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	False	
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	False	
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	True	

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 communcation (SPI)	False	
pilot input short to ground fault	False	
pilto 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	True	
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	True	
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	True	
Module A Primary - Operate Mode	False	
Module A Primary - Shutdown Mode	False	
Module A Secondary - Aux Enable States	True	
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	True	
Module A Secondary - Operate Mode	False	
Module A Secondary - Shutdown Mode	False	
Module A Secondary - LV Micro Disable Command	True	
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	True	
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	True	
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	True	
Module B Primary - Operate Mode	False	
Module B Primary - Shutdown Mode	False	
Module B Secondary - Aux Enable States	True	
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	True	
Module B Secondary - Operate Mode	False	
Module B Secondary - Shutdown Mode	False	
Module B Secondary - LV Micro Disable Command	True	
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	00	
SBC State_E300	00	
SBC State_E500	00	
SBC State_E580	00	
OBCM Charge Current Available	16.75	AMP
BPCM HV Battery Contactor Open	False	
SBC Bus Off	False	
CANSIP Bus Off	False	
OBC Charge Time	0	sec
OBC Charge Tml	39894	hrs
OBC Idle Time	12	sec
EPT LOC Diag Enable	Enable Limited 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

MSMP | B1D5F-2A | Stored | Stow n Go Assist Seat Switch-Stuck

NAME	VALUE	UNITS
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	True	
Warning Indicator Requested	False	
DTC Extended Data Record Number - All	01	
Occurrence flag	ERROR	
Original Odometer Value	10499	miles
Most Recent Odometer Value	10499	miles
Frequency Counter	28	
Ignition Cycle Counter	24	

DSM | B156D-00 | Stored | Low Voltage Differential Signal (LVDS) Video Cable-

NAME	VALUE	UNITS
DTC	95 6D 00	
Test Failed	False	
Pending DTC	False	

Test Failed This Operation Cycle	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number - All	01	
Occurrence flag	Occurrence	
Original Odometer Value	10350	miles
Most Recent Odometer Value	10469	miles
Frequency Counter	4	
Ignition Cycle Counter	44	

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

NAME	VALUE	UNITS
DTC	95 AE 00	
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number - All	01	
Occurrence flag	ERROR	
Original Odometer Value	10389	miles
Most Recent Odometer Value	10399	miles
Frequency Counter	6	
Ignition Cycle Counter	79	

VRM | B15AD-00 | Stored | Lost Low Voltage Differential Signal (LVDS) Connection with Media Port 1-

NAME	VALUE	UNITS
DTC	95 AD 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	10360	miles
Most Recent Odometer Value	10389	miles
Frequency Counter	6	
Ignition Cycle Counter	84	

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	True	
Warning Indicator Requested	False	
Occurrence flag	Occurrence	
Controller Event	No	
Mirror Memory	No	
Undervoltage Suspected	No	
Original Odometer Value	11055	miles
Most Recent Odometer Value	11065	miles
Frequency Counter	2	
Ignition Cycle Counter	0	
Fault Time	465.80	S
Current System Mode	Ignition Run	
Previous System Mode	Ignition Run	
System Condition	OK	
Supply Voltage Valves	14.6	V
Brake Pedal Status	Released	
Supply voltage Pump	14.6	V
Brake Pedal Travel Sensor Position	0	%
Ignition Unfiltered	14.6	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	0.00	°
Longitudinal Acceleration	0.87	m/s^2
Lateral Acceleration	0.00	m/s^2

Yaw Rate	0.000	%/s
Primary Circuit Pressure	0.00	PSI
Engine Speed	0.0	rpm
Accelerator Pedal Position	8.4	%
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	No	
BLS Low	Yes	
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 U0111

No Snapshot Data available for B1971-00

No Snapshot Data available for U1817-00

No Snapshot Data available for B10EB-00

No Snapshot Data available for C2225-00

RADIO | B229C-96 | Stored | Interior Camera Module-Component Internal Failure

Record 0

NAME	VALUE	UNITS
DTC	A2 9C 96	
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Confirmed DTC	True	

Record 1

NAME	VALUE	UNITS
DTC	A2 9C 96	
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Confirmed DTC	True	

No Snapshot Data available for P0AFA-00

No Snapshot Data available for U0111-00

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 U0293-00

No Snapshot Data available for P1CDC-00

No Snapshot Data available for U0594-00

No Snapshot Data available for P0A0A-00

No Snapshot Data available for P1A24-00

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 U0293-00

No Snapshot Data available for U11F8-00

No Snapshot Data available for U0293-00

No Snapshot Data available for U1814-00

No Snapshot Data available for P1A24-00

No Snapshot Data available for B1D5F-2A

No Snapshot Data available for B156D-00

No Snapshot Data available for B15AE-00

No Snapshot Data available for B15AD-00

No Snapshot Data available for U0111-00