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VEHICLE SCAN REPORT

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

Odometer 33548.3 miles
Publication Date Jul 25, 2022, 3:28:28 PM

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			68466171AI
ICS	Integrated Center Stack	CAN-I	6XY201X8AA			6XY201X8AA
RFH	Radio Frequency Hub	CAN-C	68500152AA			68500152AA
ESM	Electronic Shifter	CAN-C	68240089AM			68240089AM
ORC	Occupant Restraint	CAN-C	68480710AC			68480710AC
EPS	Electric Power Steering	CAN-C	68460392AA			68460392AA
HVAC	Heat, Ventilation and A/C	CAN-I	68493454AE			68493454AE
DDM	Driver Door Module	CAN-I	68496461AB			68496461AB
PDM	Passenger Door Module	CAN-I	68496460AB			68496460AB
DMRL	Door Module Rear Left	CAN-I	68508894AB			68508894AB
DMRR	Door Module Rear Right	CAN-I	68508894AB			68508894AB
PSDML	Power Sliding Doors (Left)	CAN-I	68369596AD			68369596AD
PSDMR	Power Sliding Doors (Right)	CAN-I	68369596AD			68369596AD
MSM	Memory Seat Module	CAN-I	68321862AC			68321862AC
CSWM	Comfort Seat Wheel Module	CAN-I	68517013AB			68517013AB
AMP	Amplifier	CAN-I	68476878AA			68476878AA
IPC	Instrument Panel Cluster	CAN-C	68434960AE			68434960AE
PTS	Parktronics	CAN-C	68485851AA			68485851AA
SCCM	Steering Column Control Module	CAN-C	68360889AD			68360889AD
BCM	Body Controller	CAN-C	68491085AG			68491085AG

ACC	Adaptive Cruise Control	CAN-C	68540436AA		68540436AA
RADIO	Radio	CAN-I	68465292AC		68465292AC
OCM	Occupant Classification	CAN-C	68403127AA		68403127AA
HVACR	Heat, Ventilation and A/C Rear	CAN-I	68373079AB		68373079AB
LBSS	Left Blind Spot Sensor	CAN-I	04672786AB		04672786AB
RBSS	Right Blind Spot Sensor	CAN-I	04672786AB		04672786AB
FFCM	Forward Facing Camera Module	CAN-C	68493395AA		68493395AA
EDM	External Disc Module	CAN-I	68499745AA		68499745AA
APM	Accessory Power Module	CAN-C	05185046AB		05185046AB
BPCM	Battery Pack Control Module	CAN-C	05193183AE		05193183AE
HCP	Hybrid Control Processor	CAN-C	05185116AJ		05185116AJ
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
EAC	Electric A/C Compressor	CAN-C	68237995AG		68237995AG
AHCP	Auxiliary Hybrid Control Processor	CAN-C	05185117AJ		05185117AJ
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	SERIAL NUMBER	CVNS
PCM	USA	1B 47	75 02 00	4422		
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	18 2E 01	13 15 00	4030
IPC	USA / USA	12 06 00	14 2B 00	4705
PTS	USA	0E 32 00	14 07 00	4311
SCCM	USA	13 28 00	13 29 00	4301
BCM	USA	0D 11 00	14 26 90	4420
ACC	USA / USA	14 12 01	14 26 01	4400
RADIO		65	5175	000200000008
OCM	USA / USA	11 1F 01	0E 2F 02	4030
HVACR	USA	0E 09 00	10 03 02	4301
LBSS	USA / USA	11 30 02	12 0D 00	4202
RBSS	USA / USA	11 30 02	12 0D 00	4202
FFCM	USA / USA	11 06 00	13 1E 00	4102
EDM	USA	12 0A 00	11 08 00	4000
APM	USA / USA	11 32 00	11 32 00	4001
BPCM		0E 03 00	14 2C 00	4005
HCP	USA	11 1F 04	0F 2D 00	4006
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
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
ABSO	USA	0E 15 02	14 1B 26	4201
SGW		5	969	4103
TBM2	USA	13 0E 02	14 2A 5C	4104

DTC SUMMARY

ECU	DTC CODE	DTC DESCRIPTION	STATUS
BPCM	P1A21-00	HV Battery Contactor Control Sequence Incorrect-	Stored
HCP	P0A43-00	Drive Motor "A" Position Sensor Circuit Intermittent-	Stored

HCP	P0E5E-00	Battery Charger Control Module "A" Processor Performance-	Stored
HCP	U11F8-00		Stored
OBCM	B22A9-87	ECU Internal Performance-Missing Message	Stored

ENVIRONMENTAL DATA SUMMARY

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	33435	miles
Most Recent Odometer Value	33435	miles
Frequency Counter	1	
Ignition Cycle Counter	5	
FoM - for this DTC (lifetime fails)	1	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	52360280	seconds
Key in Ignition	Key_Def	
Key Position	Ign_Start	
EPT -WakeUp	Sourced	
HCP Contactor Command	Closed	
Qualified Contactor Command - QCC	Closed	
Verified Contactor Command - VCC	Closed Restricted	
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)	33439.49	miles
Battery Lifetime Miles	D015A2	miles
Vehicle Speed	0.0	MPH
System (12) Volts at time of fault	12.467	Volts
Battery Lifetime AmpHrs of Charge	21245.9	AHr
Battery Lifetime AmpHrs of DisCharge	21191.5	AHr
SOC at time of Fault	87.5	%

Power Up SOC at time of Fault	87.5	%
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	11.305	Volts
HVIL PWM peak voltage Sensed - Vehicle	11.225	Volts
HVIL Source Voltage- Battery	1.377	Volts
HVIL Returned current - Battery	30.40	mA
HV Battery Current Sensor 1 Hall High	-0.60	Amps
HV Battery Current Sensor 2 Hall Low	0.00	Amps
HV Battery Current HVBatCrnt	0.15	Amps
HV Cooling Speed Pump 1 Target	0	rpm
HV Cooling Speed pump 1 Speed	0	rpm
Charge indicator Temp	117	°F
BPCM temperature max	97	°F
BPCM temperature min	93	°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	2.362	Volts
Isolation Circuitry Vd	0.000	Volts
WC and Circuitry 2.5V Reference Voltage	2.501	Volts
WC and Circuitry Vcc Voltage	5.009	Volts
WC and CircuitryISO 8V Reference Voltage	7.990	Volts
WC and Circuitry Weld Contactor Sensor G (Pack Negative) Voltage	-4.2	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	Normal	

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	Normal	
CVTN FACT CKSUM ERR	Normal	
CVTN ANALOG FAULT ERR	Normal	
CVTN HREF FAULT	Normal	
CVTN HREF GND FAULT	Active	
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	86241	watts
HV Battery Charge Power 10sec	69141	watts
HV Battery Discharge Power 2sec	107208	watts
HV Battery Discharge Power 10sec	105198	watts
HV Battery Power	007536	watts
Key - DriveRdy (CAN)	True	
Battery Lifetime Number Of Closes	3817	
Battery Full AmpHr Capacity	46	AmpHrs
Cell Impedance Max Discharge	0	mOhms
Cell Impedance Mim Discharge	0	mOhms
Battery Cell Voltage Maximum	4065	mV
Battery Cell Voltage Minimum	4045	mV
Battery Cell Voltage Average	4060	mV
Battery Cell Highest Cell number	91	
Battery Cell Lowest Cell number	42	
HV Battery Voltage (cell sum)	389.80	Volts
HV Battery Voltage (Module Sum)	389.50	Volts
HV Sensor A Pack Voltage	390.00	Volts
HV Sensor B Bus\Link (Pre-Fuse) Voltage	144.30	Volts
HV Sensor C OBCM (HVOBC Fuse) Voltage	136.20	Volts
HV Sensor D Heater (HVHTR Fuse) Voltage	132.10	Volts
HV Sensor G Weld Contactor(Pack Negative) Voltage	-4.2	Volts
Battery Temperature Maximum Module	97	°F
Battery Temperature Minimum Module	93	°F

Battery Temperature Average Module	95	°F
Battery Temperature Highest Sensor number	04	
Battery Temperature Lowest Sensor number	07	
Battery Temperature Number of Failing Sensors	00	
HV Cooling Pump Relay Drive	Not Sourced	
HV Cooling Battery coolant inlet temp	93	°F
HV Cooling Battery coolant outlet temp	95	°F
HV Cooling OBCM temp inlet Temp	140	°F
Pump - Battery Coolant Level Low	False	
Isolation Vehicle Diagnostic Status	Run and Passed	
Isolation Vehicle Impedance	7.6895	Mega Ohms
Isolation Battery Diagnostic Status	Run and Passed	
Isolation Battery Impedance	0.8480	Mega Ohms
CVTN CUST CKSUM ERR	Normal	

HCP | P0A43-00 | Stored | Drive Motor "A" Position Sensor Circuit Intermittent-

NAME	VALUE	UNITS
DTC	0A 43 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	32200.7	miles
Most Recent Odometer Value	32200.7	miles
Frequency Counter	1	
Ignition Cycle Counter	1	
Real time clock	50545756	sec
RAM stamps keyOn	1620	sec
RAM Stamps	112126	Min
Accelerator Pedal Position	0	%
Brake Switch Status	Not Applied	
PHEV Charging Status	No Charging	
Engine Speed	2422	rpm
HV Battery SOC	26	%
Ignition State	Reserved	
PRND Position Display	N	
Propulsion System Active	False	
Vehicle Speed	60.7002	MPH
Motor A Temp Sensor	178	°F

Motor B Temp Sensor	174	°F
Barometric Pressure	15	PSI
Engine Coolant Temperature	196	°F
Motor A Resolver Offset Learn Erase	not requested	
Motor A Resolver Offset Learning Status Flag	Applied	
Motor B Resolver Offset Learning Status Flag	Applied	
Motor A Resolver Angle Offset	3.20	Degree
Motor B Resolver Angle Offset	3.20	Degree
Motor A Resolver Supply Voltage Value	15.75	Volts
Motor B Resolver Supply Voltage Value	15.75	Volts
Motor A Resolver to Digital Low Level Driver Faults	No fault	
Motor B Resolver to Digital Low Level Driver Faults	No fault	
Battery Feed Voltage 2 Sense	14.184	Volts
Internal EPS Voltage Sense A	8.208	Volts
Internal EPS Voltage Sense B	8.136	Volts
Actual Torque - Motor A	0.000	Ft-Lbs
Actual Torque - Motor B	-15.671	Ft-Lbs
Available Motor Torque - Motor A	0.000	Ft-Lbs
Available Motor Torque - Motor B	108.223	Ft-Lbs
Available Regen Torque - Motor A	0.000	Ft-Lbs
Available Regen Torque - Motor B	-108.223	Ft-Lbs
Commanded Torque - Motor A	0.000	Ft-Lbs
Commanded Torque - Motor B	-4.056	Ft-Lbs
Electric Motor A Speed	1933.5	rpm
Electric Motor B Speed	6584.0	rpm
Battery Feed Voltage 1 Sense	14.184	Volts
Battery Feed Voltage 3 Sense	14.256	Volts
Hybrid System State	Determine Hybrid System State	
Motor A - Inverter Current - phase A	-4	AMP
Motor A - Inverter Current - phase B	-4	AMP
Motor A - Inverter Current - phase C	0	AMP
Motor B - Inverter Current - phase A	-48	AMP
Motor B - Inverter Current - phase B	28	AMP
Motor B - Inverter Current - phase C	12	AMP
Outside Air Temperature	93.2	°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	342.80	Volts
PIM DC Link Voltage - A	342	Volts
PIM DC Link Voltage - B	343	Volts
Inverter A IGBT Temperature for phase A	122	°F
Inverter A IGBT Temperature for phase B	124	°F

Inverter A IGBT Temperature for phase C	118	°F
Inverter B IGBT Temperature for phase A	109	°F
Inverter B IGBT Temperature for phase B	109	°F
Inverter B IGBT Temperature for phase C	111	°F
APM Status	Buck CV	
Impact Event	False	
HCP System Shutdown Command	Default	
Distance Travelled with Light ON	0	miles
Motor A Torque	0.000	Ft-Lbs
Motor B Torque	-15.671	Ft-Lbs
OBCM Operating Mode	UTC	
J1772 Prox Detected State	Prox Out	
HV Battery Sleep Time	0	Days
Motor B Resolver Offset Learn Erase	not requested	
GPS Date - Year	2022	Year
GPS Date - Month	7	
GPS Date - Day	1	Days
UTC Time - Hours	17	Hours
UTC Time - Minutes	27	
UTC Time - Seconds	0	seconds
ECU Time - Milliseconds	325	ms

HCP | P0E5E-00 | Stored | Battery Charger Control Module "A" Processor Performance-

NAME	VALUE	UNITS
DTC	0E 5E 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	07	
Occurrence flag	Occurrence	
Original Odometer Value	32603.3	miles
Most Recent Odometer Value	33258.2	miles
Frequency Counter	8	
Ignition Cycle Counter	1	
Real time clock	52099896	sec
RAM stamps keyOn	420	sec
RAM Stamps	115774	Min
Accelerator Pedal Position	0	%
Brake Switch Status	Applied	

Engine Speed	0	rpm
Ignition State	Reserved	
PRND Position Display	D	
Propulsion System Active	True	
Vehicle Speed	33.9667	MPH
Barometric Pressure	15	PSI
Engine Coolant Temperature	84	°F
HVIL Sense Input State	Detected	
No Charging Reasons	Reserved	
Battery Feed Voltage 2 Sense	14.472	Volts
Internal EPS Voltage Sense A	8.208	Volts
Internal EPS Voltage Sense B	8.136	Volts
HCP ePT Wake-Up Output	On	
CBC Wake-Up Input	Off	
Hybrid System State	Propulsion System Active	
SW Build Release Version	PIM_21B_2109A0_RU_HCP___	
HCP SW Version	21B	
EPT LOC Diag Enable	Enable LOC Diagnostic	
CAN Overrun Counter	0	Number
Impact Event	False	
Outside Air Temperature	87.8	°F
Maximum Charge Current Allowed	0.00	Amps
Charge Current Available	0.00	AMP
OBCM Derating Reason	AC Voltage Limit 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	False	
HCP Charging Fault Reason	Reserved	
HV Battery Contactor State	Closed	
DC Voltage Not Detected	Passed	
AC Voltage Detected	AC Not OK	
HV Battery Actual Current	-128.00	AMP
AC Voltage for Charging	1.7	Volts
AC Current During Charging	0.50	Amps
Maximum EVSE Current Available	0	AMP
HCP Charging Current Command	0.00	AMP

HCP Charging Voltage Command	1	Volts
DC Charging Current	0.30	Amps
OBCM Charging Voltage	384.6	Volts
OBCM Module A Max Temperature	100	°F
OBCM Module B Max Temperature	99	°F
OBCM Module A PCB Temperature	100	°F
OBCM Module B PCB Temperature	99	°F
OBCM Accumulated Charging Time	52742	hrs
OBCM Charging Power	0	KW-Hrs
HV Battery Pump Current	1.4	AMP
Radiator Fan Command	7	%
HV Battery Inlet Temperature	82	°F
HV Battery Outlet Temperature	82	°F
HV Battery Min Cell Voltage	0.225	Volts
Max Cell Voltage	0.550	Volts
Min Cell Temperature	84	°F
Max Cell Temperature	86	°F
HV Battery Sleep Time	1	Days
HV Battery SOC	82	%
Battery Feed Voltage 1 Sense	14.472	Volts
Battery Feed Voltage 3 Sense	14.400	Volts
Actual Torque - Motor A	-0.092	Ft-Lbs
Actual Torque - Motor B	-92.736	Ft-Lbs
Available Motor Torque - Motor A	85.730	Ft-Lbs
Available Motor Torque - Motor B	232.393	Ft-Lbs
Available Regen Torque - Motor A	-85.730	Ft-Lbs
Available Regen Torque - Motor B	-232.393	Ft-Lbs
Commanded Torque - Motor A	0.000	Ft-Lbs
Commanded Torque - Motor B	-91.814	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	-128	AMP
Motor B - Inverter Current - phase B	-28	AMP
Motor B - Inverter Current - phase C	148	AMP
Motor A Resolver Angle	150	Degree
Motor B Resolver Angle	342	Degree
Motor A Temp Sensor	108	°F
Motor B Temp Sensor	109	°F
HV Contactor Status	Closed	
HV Battery Voltage from BPCM	391.00	Volts
Electric Motor A Speed	-4608.5	rpm
Electric Motor B Speed	3741.5	rpm
PIM DC Link Voltage - A	390	Volts

PIM DC Link Voltage - B	392	Volts
Inverter A IGBT Temperature for phase A	91	°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	99	°F
Inverter B IGBT Temperature for phase B	97	°F
Inverter B IGBT Temperature for phase C	100	°F
APM Status	Buck CV	
HCP System Shutdown Command	Default	
PHEV Charging Status	No Charging	
Distance Travelled with Light ON	3	miles
Motor A Torque	-0.092	Ft-Lbs
Motor B Torque	-92.736	Ft-Lbs
GPS Date - Year	2022	Year
GPS Date - Month	7	
GPS Date - Day	19	Days
UTC Time - Hours	17	Hours
UTC Time - Minutes	9	
UTC Time - Seconds	0	seconds
ECU Time - Milliseconds	69	ms

No Environmental Data available for U11F8-00

OBCM | B22A9-87 | Stored | ECU Internal Performance-Missing Message

NAME	VALUE	UNITS
DTC	A2 A9 87	
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	32590	miles
Most Recent Odometer Value	33256	miles
Frequency Counter	12	
Ignition Cycle Counter	14	
DTC Extended Data Record Number - Record #2	29	
OBCM Status AC Present	AC Not OK	
AC Line Low	Valid	
AC Line High	Not Valid	

AC Side Current	-24.70	Amps
AC Side Volt	0.9	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	0.30	Amps
Battery Side Voltage	196.0	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	95	°F
OBCM Temperature 2	97	°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	4.451	Volt
OBC Idle Tml	30	hrs
Watt-Hours of AC Power	0	W-Hrs
Watt Hours of Charge the HV Bus	0	W-Hrs
OBCM Mode	UTC	
OBCM Charger Ready	Off	
OBCM WU Status	Off	
Charge Enable Status	Chrg Disable	
HCP (EVCU) Shutdown Command	EVCU Operational	
HCP (EVCU) Enable Charge Command	Charge disable	
HCP (EVCU) OBC Mode Request	Idle	

Generic Fail Sts	No Functional Fail Present	
Chrg Fail Sts	Faulted - Charging Allowed	
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	Closed	
Chrg Mode	Charge Mode	
OBCM Fault Reason	No Faults detected	
Module A Primary - PFC Temperature	82	°F
Module A Primary - LLC Temperature	82	°F
Module A Secondary - Buck Temperature	81	°F
Module A Secondary - Ambient Temperature	97	°F
Module A Primary - AC Side Volt	2.0	Volts
Module A Primary - AC Side Current	-24.70	Amps
Module A Secondary - Battery Side Voltage	188.1	Volts
Module A Secondary - Battery Side Current	-24.90	Amps
Module A Secondary - Buck Output Voltage	0.1	Volts
Module B Primary - PFC Temperature	-40	°F
Module B Primary - LLC Temperature	-40	°F
Module B Secondary - Buck Temperature	82	°F
Module B Secondary - Ambient Temperature	95	°F
Module B Primary - AC Side Volt	FFFF	Volts
Module B Primary - AC Side Current	-50.00	Amps
Module B Secondary - Battery Side Voltage	204.0	Volts
Module B Secondary - Battery Side Current	-24.80	Amps
Module B Secondary - Buck Output Voltage	0.1	Volts
OBCM - HV Over Voltage Protect	False	
OBCM - LV Aux Over Voltage Protect	False	
OBCM - LV Aux Under Voltage Protect	False	
OBCM - LLC Over Voltage Protect	False	
OBCM - LLC Under Voltage Protect	False	
OBCM - PFC Over Voltage Protect	False	
OBCM - PFC Under Voltage Protect	False	
OBCM - Battery 12V Under Voltage Protect	False	
OBCM - Battery 12V Over Voltage Protect	False	
OBCM - AC Under Voltage Protect	False	
OBCM - AC Over Voltage Protect	False	
OBCM - AC Over Current Protect	False	
OBCM - HV Voltage Over MaxCal Protect	False	
OBCM - HV Over Current Protect	False	
OBCM - Power Stage Over Voltage Protect	False	
OBCM - Internal Memory Fault	False	
OBCM - Over Temperature Protect	False	

OBCM - HCP Loss of Communication Protect	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	True	
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	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	True	
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	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	False	
SBC Bus Off	False	
CANSIP Bus Off	False	
OBC Charge Time	0	sec
OBC Charge Tml	51746	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

SNAPSHOT DATA SUMMARY

- No Snapshot Data available for P1A21-00
- No Snapshot Data available for P0A43-00
- No Snapshot Data available for P0E5E-00
- No Snapshot Data available for U11F8-00
- No Snapshot Data available for B22A9-87



VEHICLE SCAN REPORT

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

Odometer 33548.3 miles
Publication Date 7/25/2022, 3:32:26 PM

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			68466171AI
ICS	Integrated Center Stack	CAN-I	6XY201X8AA			6XY201X8AA
RFH	Radio Frequency Hub	CAN-C	68500152AA			68500152AA
ESM	Electronic Shifter	CAN-C	68240089AM			68240089AM
ORC	Occupant Restraint	CAN-C	68480710AC			68480710AC
EPS	Electric Power Steering	CAN-C	68460392AA			68460392AA
HVAC	Heat, Ventilation and A/C	CAN-I	68493454AE			68493454AE
DDM	Driver Door Module	CAN-I	68496461AB			68496461AB
PDM	Passenger Door Module	CAN-I	68496460AB			68496460AB
DMRL	Door Module Rear Left	CAN-I	68508894AB			68508894AB
DMRR	Door Module Rear Right	CAN-I	68508894AB			68508894AB
PSDML	Power Sliding Doors (Left)	CAN-I	68369596AD			68369596AD
PSDMR	Power Sliding Doors (Right)	CAN-I	68369596AD			68369596AD
MSM	Memory Seat Module	CAN-I	68321862AC			68321862AC
CSWM	Comfort Seat Wheel Module	CAN-I	68517013AB			68517013AB
AMP	Amplifier	CAN-I	68476878AA			68476878AA
IPC	Instrument Panel Cluster	CAN-C	68434960AE			68434960AE
PTS	Parktronics	CAN-C	68485851AA			68485851AA
SCCM	Steering Column Control Module	CAN-C	68360889AD			68360889AD
BCM	Body Controller	CAN-C	68491085AG			68491085AG

ACC	Adaptive Cruise Control	CAN-C	68540436AA		68540436AA
RADIO	Radio	CAN-I	68465292AC		68465292AC
OCM	Occupant Classification	CAN-C	68403127AA		68403127AA
HVACR	Heat, Ventilation and A/C Rear	CAN-I	68373079AB		68373079AB
LBSS	Left Blind Spot Sensor	CAN-I	04672786AB		04672786AB
RBSS	Right Blind Spot Sensor	CAN-I	04672786AB		04672786AB
FFCM	Forward Facing Camera Module	CAN-C	68493395AA		68493395AA
EDM	External Disc Module	CAN-I	68499745AA		68499745AA
APM	Accessory Power Module	CAN-C	05185046AB		05185046AB
BPCM	Battery Pack Control Module	CAN-C	05193183AE		05193183AE
HCP	Hybrid Control Processor	CAN-C	05185116AJ		05185116AJ
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
EAC	Electric A/C Compressor	CAN-C	68237995AG		68237995AG
AHCP	Auxiliary Hybrid Control Processor	CAN-C	05185117AJ		05185117AJ
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	SERIAL NUMBER	CVNS
PCM	USA	1B 47	75 02 00	4422		
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	18 2E 01	13 15 00	4030
IPC	USA / USA	12 06 00	14 2B 00	4705
PTS	USA	0E 32 00	14 07 00	4311
SCCM	USA	13 28 00	13 29 00	4301
BCM	USA	0D 11 00	14 26 90	4420
ACC	USA / USA	14 12 01	14 26 01	4400
RADIO		65	5175	000200000008
OCM	USA / USA	11 1F 01	0E 2F 02	4030
HVACR	USA	0E 09 00	10 03 02	4301
LBSS	USA / USA	11 30 02	12 0D 00	4202
RBSS	USA / USA	11 30 02	12 0D 00	4202
FFCM	USA / USA	11 06 00	13 1E 00	4102
EDM	USA	12 0A 00	11 08 00	4000
APM	USA / USA	11 32 00	11 32 00	4001
BPCM		0E 03 00	14 2C 00	4005
HCP	USA	11 1F 04	0F 2D 00	4006
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
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
ABSO	USA	0E 15 02	14 1B 26	4201
SGW		5	969	4103
TBM2	USA	13 0E 02	14 2A 5C	4104

DTC SUMMARY

ECU	DTC CODE	DTC DESCRIPTION	STATUS
BPCM	P1A21-00	HV Battery Contactor Control Sequence Incorrect-	Stored
HCP	P0A43-00	Drive Motor "A" Position Sensor Circuit Intermittent-	Stored

HCP	P0E5E-00	Battery Charger Control Module "A" Processor Performance-	Stored
HCP	U11F8-00		Stored
OBCM	B22A9-87	ECU Internal Performance-Missing Message	Stored

ENVIRONMENTAL DATA SUMMARY

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	33435	miles
Most Recent Odometer Value	33435	miles
Frequency Counter	1	
Ignition Cycle Counter	5	
FoM - for this DTC (lifetime fails)	1	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	52360280	seconds
Key in Ignition	Key_Def	
Key Position	Ign_Start	
EPT -WakeUp	Sourced	
HCP Contactor Command	Closed	
Qualified Contactor Command - QCC	Closed	
Verified Contactor Command - VCC	Closed Restricted	
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)	33439.49	miles
Battery Lifetime Miles	D015A2	miles
Vehicle Speed	0.0	MPH
System (12) Volts at time of fault	12.467	Volts
Battery Lifetime AmpHrs of Charge	21245.9	AHr
Battery Lifetime AmpHrs of DisCharge	21191.5	AHr
SOC at time of Fault	87.5	%

Power Up SOC at time of Fault	87.5	%
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	11.305	Volts
HVIL PWM peak voltage Sensed - Vehicle	11.225	Volts
HVIL Source Voltage- Battery	1.377	Volts
HVIL Returned current - Battery	30.40	mA
HV Battery Current Sensor 1 Hall High	-0.60	Amps
HV Battery Current Sensor 2 Hall Low	0.00	Amps
HV Battery Current HVBatCrnt	0.15	Amps
HV Cooling Speed Pump 1 Target	0	rpm
HV Cooling Speed pump 1 Speed	0	rpm
Charge indicator Temp	117	°F
BPCM temperature max	97	°F
BPCM temperature min	93	°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	2.362	Volts
Isolation Circuitry Vd	0.000	Volts
WC and Circuitry 2.5V Reference Voltage	2.501	Volts
WC and Circuitry Vcc Voltage	5.009	Volts
WC and CircuitryISO 8V Reference Voltage	7.990	Volts
WC and Circuitry Weld Contactor Sensor G (Pack Negative) Voltage	-4.2	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	Normal	

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	Normal	
CVTN FACT CKSUM ERR	Normal	
CVTN ANALOG FAULT ERR	Normal	
CVTN HREF FAULT	Normal	
CVTN HREF GND FAULT	Active	
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	86241	watts
HV Battery Charge Power 10sec	69141	watts
HV Battery Discharge Power 2sec	107208	watts
HV Battery Discharge Power 10sec	105198	watts
HV Battery Power	007536	watts
Key - DriveRdy (CAN)	True	
Battery Lifetime Number Of Closes	3817	
Battery Full AmpHr Capacity	46	AmpHrs
Cell Impedance Max Discharge	0	mOhms
Cell Impedance Mim Discharge	0	mOhms
Battery Cell Voltage Maximum	4065	mV
Battery Cell Voltage Minimum	4045	mV
Battery Cell Voltage Average	4060	mV
Battery Cell Highest Cell number	91	
Battery Cell Lowest Cell number	42	
HV Battery Voltage (cell sum)	389.80	Volts
HV Battery Voltage (Module Sum)	389.50	Volts
HV Sensor A Pack Voltage	390.00	Volts
HV Sensor B Bus\Link (Pre-Fuse) Voltage	144.30	Volts
HV Sensor C OBCM (HVOBC Fuse) Voltage	136.20	Volts
HV Sensor D Heater (HVHTR Fuse) Voltage	132.10	Volts
HV Sensor G Weld Contactor(Pack Negative) Voltage	-4.2	Volts
Battery Temperature Maximum Module	97	°F
Battery Temperature Minimum Module	93	°F

Battery Temperature Average Module	95	°F
Battery Temperature Highest Sensor number	04	
Battery Temperature Lowest Sensor number	07	
Battery Temperature Number of Failing Sensors	00	
HV Cooling Pump Relay Drive	Not Sourced	
HV Cooling Battery coolant inlet temp	93	°F
HV Cooling Battery coolant outlet temp	95	°F
HV Cooling OBCM temp inlet Temp	140	°F
Pump - Battery Coolant Level Low	False	
Isolation Vehicle Diagnostic Status	Run and Passed	
Isolation Vehicle Impedance	7.6895	Mega Ohms
Isolation Battery Diagnostic Status	Run and Passed	
Isolation Battery Impedance	0.8480	Mega Ohms
CVTN CUST CKSUM ERR	Normal	

HCP | P0A43-00 | Stored | Drive Motor "A" Position Sensor Circuit Intermittent-

NAME	VALUE	UNITS
DTC	0A 43 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	32200.7	miles
Most Recent Odometer Value	32200.7	miles
Frequency Counter	1	
Ignition Cycle Counter	1	
Real time clock	50545756	sec
RAM stamps keyOn	1620	sec
RAM Stamps	112126	Min
Accelerator Pedal Position	0	%
Brake Switch Status	Not Applied	
PHEV Charging Status	No Charging	
Engine Speed	2422	rpm
HV Battery SOC	26	%
Ignition State	Reserved	
PRND Position Display	N	
Propulsion System Active	False	
Vehicle Speed	60.7002	MPH
Motor A Temp Sensor	178	°F

Motor B Temp Sensor	174	°F
Barometric Pressure	15	PSI
Engine Coolant Temperature	196	°F
Motor A Resolver Offset Learn Erase	not requested	
Motor A Resolver Offset Learning Status Flag	Applied	
Motor B Resolver Offset Learning Status Flag	Applied	
Motor A Resolver Angle Offset	3.20	Degree
Motor B Resolver Angle Offset	3.20	Degree
Motor A Resolver Supply Voltage Value	15.75	Volts
Motor B Resolver Supply Voltage Value	15.75	Volts
Motor A Resolver to Digital Low Level Driver Faults	No fault	
Motor B Resolver to Digital Low Level Driver Faults	No fault	
Battery Feed Voltage 2 Sense	14.184	Volts
Internal EPS Voltage Sense A	8.208	Volts
Internal EPS Voltage Sense B	8.136	Volts
Actual Torque - Motor A	0.000	Ft-Lbs
Actual Torque - Motor B	-15.671	Ft-Lbs
Available Motor Torque - Motor A	0.000	Ft-Lbs
Available Motor Torque - Motor B	108.223	Ft-Lbs
Available Regen Torque - Motor A	0.000	Ft-Lbs
Available Regen Torque - Motor B	-108.223	Ft-Lbs
Commanded Torque - Motor A	0.000	Ft-Lbs
Commanded Torque - Motor B	-4.056	Ft-Lbs
Electric Motor A Speed	1933.5	rpm
Electric Motor B Speed	6584.0	rpm
Battery Feed Voltage 1 Sense	14.184	Volts
Battery Feed Voltage 3 Sense	14.256	Volts
Hybrid System State	Determine Hybrid System State	
Motor A - Inverter Current - phase A	-4	AMP
Motor A - Inverter Current - phase B	-4	AMP
Motor A - Inverter Current - phase C	0	AMP
Motor B - Inverter Current - phase A	-48	AMP
Motor B - Inverter Current - phase B	28	AMP
Motor B - Inverter Current - phase C	12	AMP
Outside Air Temperature	93.2	°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	342.80	Volts
PIM DC Link Voltage - A	342	Volts
PIM DC Link Voltage - B	343	Volts
Inverter A IGBT Temperature for phase A	122	°F
Inverter A IGBT Temperature for phase B	124	°F

Inverter A IGBT Temperature for phase C	118	°F
Inverter B IGBT Temperature for phase A	109	°F
Inverter B IGBT Temperature for phase B	109	°F
Inverter B IGBT Temperature for phase C	111	°F
APM Status	Buck CV	
Impact Event	False	
HCP System Shutdown Command	Default	
Distance Travelled with Light ON	0	miles
Motor A Torque	0.000	Ft-Lbs
Motor B Torque	-15.671	Ft-Lbs
OBCM Operating Mode	UTC	
J1772 Prox Detected State	Prox Out	
HV Battery Sleep Time	0	Days
Motor B Resolver Offset Learn Erase	not requested	
GPS Date - Year	2022	Year
GPS Date - Month	7	
GPS Date - Day	1	Days
UTC Time - Hours	17	Hours
UTC Time - Minutes	27	
UTC Time - Seconds	0	seconds
ECU Time - Milliseconds	325	ms

HCP | P0E5E-00 | Stored | Battery Charger Control Module "A" Processor Performance-

NAME	VALUE	UNITS
DTC	0E 5E 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	07	
Occurrence flag	Occurrence	
Original Odometer Value	32603.3	miles
Most Recent Odometer Value	33258.2	miles
Frequency Counter	8	
Ignition Cycle Counter	1	
Real time clock	52099896	sec
RAM stamps keyOn	420	sec
RAM Stamps	115774	Min
Accelerator Pedal Position	0	%
Brake Switch Status	Applied	

Engine Speed	0	rpm
Ignition State	Reserved	
PRND Position Display	D	
Propulsion System Active	True	
Vehicle Speed	33.9667	MPH
Barometric Pressure	15	PSI
Engine Coolant Temperature	84	°F
HVIL Sense Input State	Detected	
No Charging Reasons	Reserved	
Battery Feed Voltage 2 Sense	14.472	Volts
Internal EPS Voltage Sense A	8.208	Volts
Internal EPS Voltage Sense B	8.136	Volts
HCP ePT Wake-Up Output	On	
CBC Wake-Up Input	Off	
Hybrid System State	Propulsion System Active	
SW Build Release Version	PIM_21B_2109A0_RU_HCP___	
HCP SW Version	21B	
EPT LOC Diag Enable	Enable LOC Diagnostic	
CAN Overrun Counter	0	Number
Impact Event	False	
Outside Air Temperature	87.8	°F
Maximum Charge Current Allowed	0.00	Amps
Charge Current Available	0.00	AMP
OBCM Derating Reason	AC Voltage Limit 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	False	
HCP Charging Fault Reason	Reserved	
HV Battery Contactor State	Closed	
DC Voltage Not Detected	Passed	
AC Voltage Detected	AC Not OK	
HV Battery Actual Current	-128.00	AMP
AC Voltage for Charging	1.7	Volts
AC Current During Charging	0.50	Amps
Maximum EVSE Current Available	0	AMP
HCP Charging Current Command	0.00	AMP

HCP Charging Voltage Command	1	Volts
DC Charging Current	0.30	Amps
OBCM Charging Voltage	384.6	Volts
OBCM Module A Max Temperature	100	°F
OBCM Module B Max Temperature	99	°F
OBCM Module A PCB Temperature	100	°F
OBCM Module B PCB Temperature	99	°F
OBCM Accumulated Charging Time	52742	hrs
OBCM Charging Power	0	KW-Hrs
HV Battery Pump Current	1.4	AMP
Radiator Fan Command	7	%
HV Battery Inlet Temperature	82	°F
HV Battery Outlet Temperature	82	°F
HV Battery Min Cell Voltage	0.225	Volts
Max Cell Voltage	0.550	Volts
Min Cell Temperature	84	°F
Max Cell Temperature	86	°F
HV Battery Sleep Time	1	Days
HV Battery SOC	82	%
Battery Feed Voltage 1 Sense	14.472	Volts
Battery Feed Voltage 3 Sense	14.400	Volts
Actual Torque - Motor A	-0.092	Ft-Lbs
Actual Torque - Motor B	-92.736	Ft-Lbs
Available Motor Torque - Motor A	85.730	Ft-Lbs
Available Motor Torque - Motor B	232.393	Ft-Lbs
Available Regen Torque - Motor A	-85.730	Ft-Lbs
Available Regen Torque - Motor B	-232.393	Ft-Lbs
Commanded Torque - Motor A	0.000	Ft-Lbs
Commanded Torque - Motor B	-91.814	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	-128	AMP
Motor B - Inverter Current - phase B	-28	AMP
Motor B - Inverter Current - phase C	148	AMP
Motor A Resolver Angle	150	Degree
Motor B Resolver Angle	342	Degree
Motor A Temp Sensor	108	°F
Motor B Temp Sensor	109	°F
HV Contactor Status	Closed	
HV Battery Voltage from BPCM	391.00	Volts
Electric Motor A Speed	-4608.5	rpm
Electric Motor B Speed	3741.5	rpm
PIM DC Link Voltage - A	390	Volts

PIM DC Link Voltage - B	392	Volts
Inverter A IGBT Temperature for phase A	91	°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	99	°F
Inverter B IGBT Temperature for phase B	97	°F
Inverter B IGBT Temperature for phase C	100	°F
APM Status	Buck CV	
HCP System Shutdown Command	Default	
PHEV Charging Status	No Charging	
Distance Travelled with Light ON	3	miles
Motor A Torque	-0.092	Ft-Lbs
Motor B Torque	-92.736	Ft-Lbs
GPS Date - Year	2022	Year
GPS Date - Month	7	
GPS Date - Day	19	Days
UTC Time - Hours	17	Hours
UTC Time - Minutes	9	
UTC Time - Seconds	0	seconds
ECU Time - Milliseconds	69	ms

No Environmental Data available for U11F8-00

OBCM | B22A9-87 | Stored | ECU Internal Performance-Missing Message

NAME	VALUE	UNITS
DTC	A2 A9 87	
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	32590	miles
Most Recent Odometer Value	33256	miles
Frequency Counter	12	
Ignition Cycle Counter	14	
DTC Extended Data Record Number - Record #2	29	
OBCM Status AC Present	AC Not OK	
AC Line Low	Valid	
AC Line High	Not Valid	

AC Side Current	-24.70	Amps
AC Side Volt	0.9	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	0.30	Amps
Battery Side Voltage	196.0	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	95	°F
OBCM Temperature 2	97	°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	4.451	Volt
OBC Idle Tml	30	hrs
Watt-Hours of AC Power	0	W-Hrs
Watt Hours of Charge the HV Bus	0	W-Hrs
OBCM Mode	UTC	
OBCM Charger Ready	Off	
OBCM WU Status	Off	
Charge Enable Status	Chrg Disable	
HCP (EVCU) Shutdown Command	EVCU Operational	
HCP (EVCU) Enable Charge Command	Charge disable	
HCP (EVCU) OBC Mode Request	Idle	

Generic Fail Sts	No Functional Fail Present	
Chrg Fail Sts	Faulted - Charging Allowed	
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	Closed	
Chrg Mode	Charge Mode	
OBCM Fault Reason	No Faults detected	
Module A Primary - PFC Temperature	82	°F
Module A Primary - LLC Temperature	82	°F
Module A Secondary - Buck Temperature	81	°F
Module A Secondary - Ambient Temperature	97	°F
Module A Primary - AC Side Volt	2.0	Volts
Module A Primary - AC Side Current	-24.70	Amps
Module A Secondary - Battery Side Voltage	188.1	Volts
Module A Secondary - Battery Side Current	-24.90	Amps
Module A Secondary - Buck Output Voltage	0.1	Volts
Module B Primary - PFC Temperature	-40	°F
Module B Primary - LLC Temperature	-40	°F
Module B Secondary - Buck Temperature	82	°F
Module B Secondary - Ambient Temperature	95	°F
Module B Primary - AC Side Volt	FFFF	Volts
Module B Primary - AC Side Current	-50.00	Amps
Module B Secondary - Battery Side Voltage	204.0	Volts
Module B Secondary - Battery Side Current	-24.80	Amps
Module B Secondary - Buck Output Voltage	0.1	Volts
OBCM - HV Over Voltage Protect	False	
OBCM - LV Aux Over Voltage Protect	False	
OBCM - LV Aux Under Voltage Protect	False	
OBCM - LLC Over Voltage Protect	False	
OBCM - LLC Under Voltage Protect	False	
OBCM - PFC Over Voltage Protect	False	
OBCM - PFC Under Voltage Protect	False	
OBCM - Battery 12V Under Voltage Protect	False	
OBCM - Battery 12V Over Voltage Protect	False	
OBCM - AC Under Voltage Protect	False	
OBCM - AC Over Voltage Protect	False	
OBCM - AC Over Current Protect	False	
OBCM - HV Voltage Over MaxCal Protect	False	
OBCM - HV Over Current Protect	False	
OBCM - Power Stage Over Voltage Protect	False	
OBCM - Internal Memory Fault	False	
OBCM - Over Temperature Protect	False	

OBCM - HCP Loss of Communication Protect	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	True	
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	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	True	
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	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	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	False	
SBC Bus Off	False	
CANSIP Bus Off	False	
OBC Charge Time	0	sec
OBC Charge Tml	51746	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

SNAPSHOT DATA SUMMARY

- No Snapshot Data available for P1A21-00
- No Snapshot Data available for P0A43-00
- No Snapshot Data available for P0E5E-00
- No Snapshot Data available for U11F8-00
- No Snapshot Data available for B22A9-87