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VEHICLE SCAN REPORT

Vehicle 2021 CHRYSLER PACIFICA (PHEV) 3.6L V6 HYBRID ENGINE
VIN 2C4RC1S79 [REDACTED]

Odometer 2200.4 miles
Publication Date Mar 16, 2021, 8:15:55 AM

ECU SUMMARY INFO

ECU	NAME	BUS TYPE	FLASH PART #	CURRENT	ORIGINAL	PART #
PCM	Powertrain Control Module	CAN-C	68499122AD	2C4RC1S	2C4RC1S7	68499122AD
PLGM	Power Liftgate	CAN-I	68466171AG	2C4RC1S	—	68466171AG
ICS	Integrated Center Stack	CAN-I	6XY201X8AA	2C4RC1S	2C4RC1S7	6XY201X8AA
RFH	Radio Frequency Hub	CAN-C	68500152AA	2C4RC1S	2C4RC1S7	68500152AA
ESM	Electronic Shifter	CAN-C	68240089AM	2C4RC1S	2C4RC1S7	68240089AM
ORC	Occupant Restraint	CAN-C	68480710AC	2C4RC1S	2C4RC1S7	68480710AC
EPS	Electric Power Steering	CAN-C	68460392AA	2C4RC1S	2C4RC1S7	68460392AA
HVAC	Heat, Ventilation and A/C	CAN-I	68493454AE	2C4RC1S	2C4RC1S7	68493454AE
DDM	Driver Door Module	CAN-I	68496461AB	2C4RC1S	2C4RC1S7	68496461AB
PDM	Passenger Door Module	CAN-I	68496460AB	2C4RC1S	2C4RC1S7	68496460AB
DMRL	Door Module Rear Left	CAN-I	68508894AB	2C4RC1S	2C4RC1S7	68508894AB
DMRR	Door Module Rear Right	CAN-I	68508894AB	2C4RC1S	2C4RC1S7	68508894AB
PSDML	Power Sliding Doors (Left)	CAN-I	68369596AD	2C4RC1S	2C4RC1S7	68369596AD
PSDMR	Power Sliding Doors (Right)	CAN-I	68369596AD	2C4RC1S	2C4RC1S7	68369596AD
MSM	Memory Seat Module	CAN-I	68321862AC	2C4RC1S	2C4RC1S7	68321862AC
CSWM	Comfort Seat Wheel Module	CAN-I	68517013AB	2C4RC1S	2C4RC1S7	68517013AB
AMP	Amplifier	CAN-I	68476878AA	2C4RC1S	2C4RC1S7	68476878AA
IPC	Instrument Panel Cluster	CAN-C	68434960AE	2C4RC1S	2C4RC1S7	68434960AE
PTS	Parktronics	CAN-C	68485851AA	2C4RC1S	2C4RC1S7	68485851AA
SCCM	Steering Column Control Module	CAN-C	68360889AD	2C4RC1S	2C4RC1S7	68360889AD
BCM	Body Controller	CAN-C	68491085AG	2C4RC1S	2C4RC1S7	68491085AG

ACC	Adaptive Cruise Control	CAN-C	68540436AA	2C4RC1S7		2C4RC1S7	68540436AA
RADIO	Radio	CAN-I	68465292AC	2C4RC1S7		2C4RC1S7	68465292AC
OCM	Occupant Classification	CAN-C	68403127AA	2C4RC1S7		2C4RC1S7	68403127AA
HVACR	Heat, Ventilation and A/C Rear	CAN-I	68373079AB	2C4RC1S7		2C4RC1S7	68373079AB
LBSS	Left Blind Spot Sensor	CAN-I	04672786AB	2C4RC1S7		2C4RC1S7	04672786AB
RBSS	Right Blind Spot Sensor	CAN-I	04672786AB	2C4RC1S7		2C4RC1S7	04672786AB
FFCM	Forward Facing Camera Module	CAN-C	68493395AA	2C4RC1S7		2C4RC1S7	68493395AA
APM	Accessory Power Module	CAN-C	05185046AB	2C4RC1S7		2C4RC1S7	05185046AB
BPCM	Battery Pack Control Module	CAN-C	05193183AD	2C4RC1S7		2C4RC1S7	05193183AD
HCP	Hybrid Control Processor	CAN-C	05185116AF	2C4RC1S7		2C4RC1S7	05185116AF
OBCM	On Board Charging Module	CAN-C	05185047AE	2C4RC1S7		2C4RC1S7	05185047AE
MSMP	Memory Seat Module - Passenger	CAN-I	68321862AC	2C4RC1S7		2C4RC1S7	68321862AC
DSM	Display Screen Module	CAN-I	68437339AD	2C4RC1S7		2C4RC1S7	68437339AD
RCCC	Rear Cabin Comfort Controls	CAN-I	6WL30PD2AA	2C4RC1S7		2C4RC1S7	6WL30PD2AA
EAC	Electric A/C Compressor	CAN-C	68237995AG	2C4RC1S7		2C4RC1S7	68237995AG
AHCP	Auxiliary Hybrid Control Processor	CAN-C	05185117AF	2C4RC1S7		2C4RC1S7	05185117AF
EBBM	Electronic Brake Booster Module	CAN-C	68461813AB	2C4RC1S7		2C4RC1S7	68461813AB
ABSO	Anti Lock Brakes OBD	CAN-C	68471122AD	2C4RC1S7		2C4RC1S7	68471122AD
SGW	Security Gateway Module	CAN-C	68488429AB			2C4RC1S7	68488429AB
TBM2	Telematic Box Module 2	CAN-C	68546266AB	2C4RC1S7		2C4RC1S7	68546266AB

ECU SUMMARY INFO (CONT...)

ECU	COUNTRY CODE	HARDWARE VERSION	SOFTWARE VERSION	IDENT	CVNS
PCM	USA	1B 47	75 00 01	4422	941DFC50
PLGM	USA	0	5270	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	
APM	USA / USA	11 32 00	11 32 00	4001	
BPCM	Not programmed / COUNTRY_SNA	0E 03 00	14 1A 00	4005	F0C1430E
HCP	USA	11 1F 04	0F 2D 00	4006	FE120BB2 29C5A4AB 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	
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	E5898FA5
ABSO	USA	0E 15 02	14 1B 26	4201	4F158D1B
SGW		5	969	4103	
TBM2	USA	13 0E 02	14 2A 5C	4104	

DTC SUMMARY

ECU	DTC CODE	DTC DESCRIPTION	STATUS
HVAC	B10EB-00	Blower Power Module-	Stored
MSM	B233C-00	Commanded Position Not Reachable-	Stored
BCM	U151A-87	Hybrid Control Processor Secret Code-Missing Message	Stored
ACC	C2225-00	PCM Disabled ECU-	Stored
RADIO	U3033-00	Control Module Security Certificate Missing/Invalid-	Stored
BPCM	P1A9E-00	Hybrid/EV Battery Temperature Sensor 2 Out of Range Low-	Stored
BPCM	P1A9A-00	Hybrid/EV Battery Temperature Sensor 1 Out of Range Low-	Stored
BPCM	P1AA2-00	Hybrid/EV Battery Temperature Sensor 3 Out of Range Low-	Stored

HCP	P0513-00	Invalid SKIM Key-	Stored
HCP	P16F9-00	HCP Internal - Shutdown Performance-	Stored
DSM	B156D-00	Low Voltage Differential Signal (LVDS) Video Cable-	Stored

ENVIRONMENTAL DATA SUMMARY

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

NAME	VALUE	UNITS
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
Occurrence flag	Error	
Original Odometer Value	1829	miles
Most Recent Odometer Value	1829	miles
Frequency Counter	3	
Ignition Cycle Counter	31	

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

NAME	VALUE	UNITS
Failed Movement Information - Recliner Motor	Movement aborted by operator	
Failed Movement Information - Vertical Rear Motor	Movement aborted by operator	
Failed Movement Information - Vertical Front Motor	Movement aborted by operator	
Failed Movement Information - Horizontal Motor	No Failed Movement	
Movement Direction - Recliner Motor	Forward / Up	
Movement Direction - Vertical Rear Motor	Motor not moving	
Movement Direction - Horizontal Motor	Motor not moving	
Movement Direction - Vertical Front Motor	Rearward / Down	
Recliner Motor Position - end of movement	32124	Counts
Vertical Front Motor Position - end of movement	33252	Counts
Obstacle Detection Location - Horizontal Motor	No Obstacle Detected	Counts
Horizontal Motor Position - end of movement	32529	Counts
Recliner Motor Position - start of movement	31928	Counts
Vertical Rear Motor Position - end of movement	33004	Counts
ECU Voltage - at start of movement	3934	Volts
ECU Voltage - minimum voltage during movement	369A	Volts
Vertical Front Motor Position - start of movement	33268	Counts
Vertical Rear Motor Position - start of movement	33004	Counts
Horizontal Motor Position - start of movement	32421	Counts

BCM | U151A-87 | Stored | Hybrid Control Processor Secret Code-Missing Message

NAME	VALUE	UNITS
Test Failed	False	
Test Failed This Operation Cycle	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
DTC Extended Data Record Number - All	01	
Pending DTC	False	
Warning Indicator Requested	False	
Occurrence flag	Error	
Frequency Counter	2	
Ignition Cycle Counter	36	
Most Recent Odometer Value	1829	miles
Original Odometer Value	1064	miles

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

NAME	VALUE	UNITS
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Failed This Operation Cycle	False	
Test Failed	False	
Warning Indicator Requested	False	
Test Not Completed This Operation Cycle	False	
Confirmed DTC	True	
Pending DTC	False	
Occurrence flag	Error	
PRNDL Status	D range	
Vehicle Speed	0	MPH
Engine RPM	1376	rpm
Object of Interest Distance	830	FEET
Original Odometer Value	1829	miles
Most Recent Odometer Value	1829	miles
Frequency Counter	1	
Operation Cycle Counter	40	
Ignition Voltage	14.3	
ACC Set Speed	77	MPH
System Voltage	14.5	Volts
Engine Torque Request	SNA	Ft-Lbs

RADIO | U3033-00 | Stored | Control Module Security Certificate Missing/Invalid-

NAME	VALUE	UNITS
DTC	F0 33 00	
Pending DTC	False	

Confirmed DTC	True	
Test Failed This Operation Cycle	False	
Test Failed	False	

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

NAME	VALUE	UNITS
Key in Ignition	Key_Def	
EPT -WakeUp	Sourced	
Key Position	Ign_ Run	
HCP Contactor Command	Open	
Verified Contactor Command - VCC	Open	
Qualified Contactor Command - QCC	Open	
Plug in Status	Not plugged in	
ChargingLevel	Plug in, but no charge	
Contactor Status	Open	
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	
Balance Mode	False	
HVIL Status -Vehicle	PASS	
HVIL Status - Battery pack	PASS	
Pump - Wire Open\Short to Gnd	PASS	
Pump - Dry Run Detection	PASS	
Pump - Overtemperature	PASS	
Pump - Overcurrent	PASS	
Pump - Switch Power Shorted	PASS	
Fault trigger level 1	False	
Fault trigger level 2	False	
Fault Path	01	
Fault trigger level 3	False	
Key - DriveRdy (CAN)	True	
Battery Cell Lowest Cell number	71	
Battery Cell Highest Cell number	81	
Battery Temperature Highest Sensor number	02	
Battery Temperature Lowest Sensor number	12	
Battery Temperature Number of Failing Sensors	00	
HV Cooling Pump Relay Drive	Not Sourced	
Isolation Vehicle Diagnostic Status	Run and Passed	
Pump - Battery Coolant Level Low	False	
Isolation Battery Diagnostic Status	Run and Passed	
BPCM Sec Asic Reset Req	Not Active	
BPCM L2 General Monitoring Flt Rsn	L2L1_CELL_MAX_V_CMP_FLT	
BPCM Sec CC Path Test Active	Not Active	
BPCM Sec Asic Fault Input	Not Active	
BPCM L2 CC Path Test Req	Undetermined	

BPCM Sec HW Timer Status	Not Active	
BPCM L2 Contactor Dslb Req	Undetermined	
BPCM L2 ASIC Diagnostic Flt Rsn	ADCTest	
BPCM Sec Contactor State	Open	
BPCM Main HW Timer Status	Not Active	
BPCM Sec Asic Fault State	NOTASSERTED	
Real Time Clock Validity	True	
DTC	1A 9E 00	
Test Failed	False	
Test Failed This Operation Cycle	False	
Test Not Completed Since Last Clear	False	
Confirmed DTC	True	
Pending DTC	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
DTC Extended Data Record Number - All	01	
Warning Indicator Requested	False	
Occurrence flag	Error	
DTC Extended Data Record Number - 2	62	
Frequency Counter	1	
Ignition Cycle Counter	1	
FoM - for this DTC (lifetime fails counts on pass)	9.2000	seconds
FoM - for this DTC (lifetime longest fail on pass)	2.400	seconds
FoM - for this DTC (lifetime fails)	1	events
Battery Total Time Awake	9766955	seconds
Battery Lifetime Miles	CD0425	miles
System (12) Volts at time of fault	12.779	Volts
Vehicle Speed	0.0	MPH
Vehicle mileage at time of fault (ODO signal in \$3D2)	2200.27	miles
Battery Lifetime AmpHrs of Charge	1106.8	AHr
Battery Lifetime AmpHrs of DisCharge	1109.6	AHr
SOC at time of Fault	25.9	%
Power Up SOC at time of Fault	26.3	%
HVIL PWM Duty Cycle - Vehicle	50.2	%
HVIL PWM peak voltage Sourced - Vehicle	11.582	Volts
HVIL PWM Frequency - Vehicle	87.9	Hz
HVIL PWM peak voltage Sensed - Vehicle	11.495	Volts
HV Battery Current Sensor 1 Hall High	-0.60	Amps
HVIL Returned current - Battery	30.70	mA
HVIL Source Voltage- Battery	1.377	Volts
HV Cooling Speed pump 1 Speed	0	rpm
HV Cooling Speed Pump 1 Target	0	rpm
HV Battery Current Sensor 2 Hall Low	-0.05	Amps
HV Battery Current HVBatCrnt	0.00	Amps

Charge indicator Temp	108	°F
BPCM temperature min	126	°F
Isolation Circuitry Vb	2.502	Volts
Isolation Circuitry Va	2.497	Volts
BPCM temperature max	131	°F
Isolation Circuitry Vd	0.000	Volts
WC and Circuitry Vcc Voltage	5.000	Volts
WC and Circuitry 2.5V Reference Voltage	2.501	Volts
WC and Circuitry Weld Contactor Sensor G (Pack Negative) Voltage	-2.0	Volts
WC and CircuitryISO 8V Reference Voltage	8.010	Volts
Cycles left to self heal	40	No Unit
HV Battery Charge Power 2sec	3000	watts
HV Battery Power	007530	watts
HV Battery Discharge Power 2sec	3000	watts
HV Battery Discharge Power 10sec	3000	watts
HV Battery Charge Power 10sec	3000	watts
Battery Lifetime Number Of Closes	469	
Battery Full AmpHr Capacity	50	AmpHrs
Cell Impedance Max Discharge	0	mOhms
Cell Impedance Mim Discharge	0	mOhms
Battery Cell Voltage Maximum	3572	mV
Battery Cell Voltage Minimum	3565	mV
Battery Cell Voltage Average	3569	mV
HV Battery Voltage (cell sum)	342.60	Volts
HV Sensor B Bus\Link (Pre-Fuse) Voltage	1.60	Volts
HV Battery Voltage (Module Sum)	341.90	Volts
HV Sensor D Heater (HVHTR Fuse) Voltage	0.80	Volts
HV Sensor A Pack Voltage	342.80	Volts
HV Sensor C OBCM (HVOBC Fuse) Voltage	0.80	Volts
Battery Temperature Maximum Module	131	°F
HV Sensor G Weld Contactor(Pack Negative) Voltage	-2.0	Volts
Battery Temperature Average Module	129	°F
HV Cooling Battery coolant inlet temp	144	°F
Battery Temperature Minimum Module	126	°F
HV Cooling OBCM temp inlet Temp	104	°F
HV Cooling Battery coolant outlet temp	144	°F
Isolation Vehicle Impedance	6.1850	Mega Ohms
HV Bat SOH-R	89.8	%
Isolation Battery Impedance	0.8480	Mega Ohms
HV Bat SOH-C	96.5	%
BPCM Sec QA Error Counter	2	cnts
BPCM Sec MM Hw Reset Error Counter	0	cnts
Engine Speed	0	rpm
Real time clock	429496.7295	seconds

BPCM L2 SM Hw Reset Error Counter	0	No Unit
Accelerator position	7.8	%
Real time clock-OS Task Delay Timer	0	
Most Recent Odometer Value	2197	miles
Original Odometer Value	2197	miles

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

NAME	VALUE	UNITS
Key in Ignition	Key_Def	
Key Position	Ign_ Run	
EPT -WakeUp	Sourced	
HCP Contactor Command	Closed	
Verified Contactor Command - VCC	Closed Restricted	
Qualified Contactor Command - QCC	Closed	
Contactor Status	Closed	
Plug in Status	Not plugged in	
Battery in Periodic wake up (Just battery) at time of Fault	False	
ChargingLevel	Plug in, but no charge	
Balance Mode	False	
Battery in Periodic wake up (Wake up vehicle) at time of Fault	False	
HVIL Status - Battery pack	PASS	
HVIL Status -Vehicle	PASS	
Pump - Dry Run Detection	PASS	
Pump - Overcurrent	PASS	
Pump - Overtemperature	PASS	
Pump - Switch Power Shorted	PASS	
Pump - Wire Open\Short to Gnd	PASS	
Fault trigger level 1	False	
Fault trigger level 2	False	
Fault Path	01	
Fault trigger level 3	False	
Key - DriveRdy (CAN)	True	
Battery Cell Highest Cell number	47	
Battery Cell Lowest Cell number	70	
Battery Temperature Highest Sensor number	02	
HV Cooling Pump Relay Drive	Not Sourced	
Battery Temperature Number of Failing Sensors	00	
Battery Temperature Lowest Sensor number	12	
Isolation Vehicle Diagnostic Status	Run and Passed	
Pump - Battery Coolant Level Low	False	
Isolation Battery Diagnostic Status	Run and Passed	
BPCM Sec Asic Reset Req	Not Active	
BPCM Sec Asic Fault Input	Not Active	
BPCM L2 General Monitoring Flt Rsn	L2L1_CELL_MAX_V_CMP_FLT	

BPCM L2 CC Path Test Req	Undetermined	
BPCM Sec CC Path Test Active	Not Active	
BPCM Sec HW Timer Status	Not Active	
BPCM Sec Contactor State	Close	
BPCM L2 ASIC Diagnostic Flt Rsn	ADCTest	
BPCM Sec Asic Fault State	NOTASSERTED	
BPCM Main HW Timer Status	Not Active	
BPCM L2 Contactor Dslb Req	Undetermined	
Real Time Clock Validity	True	
Test Failed	False	
DTC	1A 9A 00	
Confirmed DTC	True	
Pending DTC	False	
Test Failed This Operation Cycle	False	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
DTC Extended Data Record Number - All	01	
Warning Indicator Requested	False	
Occurrence flag	Error	
DTC Extended Data Record Number - 2	60	
Frequency Counter	1	
Ignition Cycle Counter	1	
FoM - for this DTC (lifetime longest fail on pass)	3.680	seconds
FoM - for this DTC (lifetime fails counts on pass)	21.6800	seconds
FoM - for this DTC (lifetime fails)	1	events
Battery Total Time Awake	9766881	seconds
Battery Lifetime Miles	CD0424	miles
Vehicle Speed	68.0	MPH
System (12) Volts at time of fault	14.373	Volts
Vehicle mileage at time of fault (ODO signal in \$3D2)	2199.96	miles
Battery Lifetime AmpHrs of Charge	1106.7	AHr
Battery Lifetime AmpHrs of DisCharge	1109.6	AHr
SOC at time of Fault	25.5	%
Power Up SOC at time of Fault	26.3	%
HVIL PWM Duty Cycle - Vehicle	50.2	%
HVIL PWM peak voltage Sourced - Vehicle	13.165	Volts
HVIL PWM peak voltage Sensed - Vehicle	13.042	Volts
HV Battery Current Sensor 1 Hall High	4.90	Amps
HVIL PWM Frequency - Vehicle	87.9	Hz
HVIL Source Voltage- Battery	1.385	Volts
HV Battery Current HVBatCrnt	6.15	Amps
HV Battery Current Sensor 2 Hall Low	5.80	Amps
Charge indicator Temp	108	°F

HVIL Returned current - Battery	30.60	mA
HV Cooling Speed pump 1 Speed	600	rpm
HV Cooling Speed Pump 1 Target	600	rpm
BPCM temperature min	126	°F
BPCM temperature max	131	°F
Isolation Circuitry Va	2.500	Volts
WC and Circuitry 2.5V Reference Voltage	2.501	Volts
Isolation Circuitry Vd	0.000	Volts
Isolation Circuitry Vb	2.502	Volts
WC and CircuitryISO 8V Reference Voltage	8.010	Volts
WC and Circuitry Vcc Voltage	5.007	Volts
HV Battery Charge Power 2sec	3000	watts
Cycles left to self heal	40	No Unit
WC and Circuitry Weld Contactor Sensor G (Pack Negative) Voltage	0.0	Volts
HV Battery Charge Power 10sec	300	watts
HV Battery Discharge Power 2sec	3000	watts
HV Battery Discharge Power 10sec	300	watts
HV Battery Power	007603	watts
Battery Full AmpHr Capacity	50	AmpHrs
Battery Lifetime Number Of Closes	469	
Cell Impedance Max Discharge	0	mOhms
Cell Impedance Mim Discharge	0	mOhms
Battery Cell Voltage Minimum	3558	mV
Battery Cell Voltage Maximum	3567	mV
HV Battery Voltage (cell sum)	342.10	Volts
HV Battery Voltage (Module Sum)	341.40	Volts
HV Sensor A Pack Voltage	342.30	Volts
Battery Cell Voltage Average	3563	mV
HV Sensor C OBCM (HVOBC Fuse) Voltage	342.20	Volts
HV Sensor B Bus\Link (Pre-Fuse) Voltage	342.20	Volts
HV Sensor D Heater (HVHTR Fuse) Voltage	342.10	Volts
Battery Temperature Maximum Module	131	°F
Battery Temperature Average Module	129	°F
Battery Temperature Minimum Module	126	°F
HV Cooling Battery coolant inlet temp	144	°F
HV Sensor G Weld Contactor(Pack Negative) Voltage	0.0	Volts
HV Cooling OBCM temp inlet Temp	102	°F
HV Cooling Battery coolant outlet temp	144	°F
HV Bat SOH-R	89.8	%
HV Bat SOH-C	96.5	%
Isolation Vehicle Impedance	6.1850	Mega Ohms
BPCM Sec QA Error Counter	0	cnts
Isolation Battery Impedance	0.8480	Mega Ohms
BPCM Sec MM Hw Reset Error Counter	0	cnts

BPCM L2 SM Hw Reset Error Counter	0	No Unit
Accelerator position	34.9	%
Engine Speed	3120	rpm
Real time clock	429496.7295	seconds
Real time clock-OS Task Delay Timer	0	
Original Odometer Value	2197	miles
Most Recent Odometer Value	2197	miles

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

NAME	VALUE	UNITS
Key in Ignition	Key_Def	
EPT-WakeUp	Sourced	
HCP Contactor Command	Closed	
Key Position	Ign_ Run	
Qualified Contactor Command - QCC	Closed	
Verified Contactor Command - VCC	Closed Restricted	
Contactor Status	Closed	
ChargingLevel	Plug in, but no charge	
Plug in Status	Not plugged in	
Balance Mode	False	
Battery in Periodic wake up (Wake up vehicle) at time of Fault	False	
Battery in Periodic wake up (Just battery) at time of Fault	False	
HVIL Status - Battery pack	PASS	
HVIL Status -Vehicle	PASS	
Pump - Dry Run Detection	PASS	
Pump - Wire Open\Short to Gnd	PASS	
Pump - Overcurrent	PASS	
Pump - Overtemperature	PASS	
Pump - Switch Power Shorted	PASS	
Fault trigger level 3	False	
Fault trigger level 1	False	
Fault trigger level 2	False	
Fault Path	01	
Key - DriveRdy (CAN)	True	
Battery Cell Lowest Cell number	01	
Battery Cell Highest Cell number	86	
Battery Temperature Highest Sensor number	06	
Battery Temperature Lowest Sensor number	10	
Battery Temperature Number of Failing Sensors	00	
HV Cooling Pump Relay Drive	Not Sourced	
Isolation Vehicle Diagnostic Status	Run and Passed	
Isolation Battery Diagnostic Status	Run and Passed	
Pump - Battery Coolant Level Low	False	
BPCM Sec Asic Reset Req	Not Active	

BPCM Sec Asic Fault Input	Not Active	
BPCM Sec CC Path Test Active	Not Active	
BPCM L2 Contactor Dslb Req	Undetermined	
BPCM L2 General Monitoring Flt Rsn	L2L1_CELL_MAX_V_CMP_FLT	
BPCM L2 CC Path Test Req	Undetermined	
BPCM Sec HW Timer Status	Not Active	
BPCM Sec Contactor State	Close	
BPCM L2 ASIC Diagnostic Flt Rsn	ADCTest	
BPCM Main HW Timer Status	Not Active	
BPCM Sec Asic Fault State	NOTASSERTED	
Real Time Clock Validity	True	
Test Failed	False	
DTC	1A A2 00	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Not Completed This Operation Cycle	False	
DTC Extended Data Record Number - All	01	
Test Failed Since Last Clear	True	
Occurrence flag	Error	
Warning Indicator Requested	False	
DTC Extended Data Record Number - 2	64	
Frequency Counter	1	
Ignition Cycle Counter	5	
FoM - for this DTC (lifetime fails)	1	events
FoM - for this DTC (lifetime longest fail on pass)	1.600	seconds
Battery Total Time Awake	9688664	seconds
FoM - for this DTC (lifetime fails counts on pass)	3.8400	seconds
Battery Lifetime Miles	CCFAF3	miles
Vehicle mileage at time of fault (ODO signal in \$3D2)	1834.44	miles
System (12) Volts at time of fault	14.641	Volts
Battery Lifetime AmpHrs of Charge	1064.7	AHr
Battery Lifetime AmpHrs of DisCharge	1067.1	AHr
Vehicle Speed	0.0	MPH
SOC at time of Fault	27.1	%
Power Up SOC at time of Fault	27.1	%
HVIL PWM Duty Cycle - Vehicle	50.2	%
HVIL Source Voltage- Battery	1.385	Volts
HVIL PWM peak voltage Sourced - Vehicle	13.284	Volts
HVIL PWM peak voltage Sensed - Vehicle	13.157	Volts
HVIL PWM Frequency - Vehicle	87.9	Hz
HVIL Returned current - Battery	30.60	mA
HV Battery Current Sensor 2 Hall Low	-6.35	Amps

HV Cooling Speed Pump 1 Target	600	rpm
HV Cooling Speed pump 1 Speed	600	rpm
HV Battery Current Sensor 1 Hall High	-7.90	Amps
Charge indicator Temp	108	°F
HV Battery Current HVBatCmt	-6.25	Amps
BPCM temperature max	131	°F
BPCM temperature min	124	°F
Isolation Circuitry Va	2.500	Volts
Isolation Circuitry Vb	2.502	Volts
WC and Circuitry 2.5V Reference Voltage	2.501	Volts
WC and Circuitry Vcc Voltage	5.009	Volts
Isolation Circuitry Vd	0.000	Volts
WC and Circuitry Weld Contactor Sensor G (Pack Negative) Voltage	-0.2	Volts
Cycles left to self heal	40	No Unit
WC and CircuitryISO 8V Reference Voltage	8.010	Volts
HV Battery Charge Power 2sec	3000	watts
HV Battery Charge Power 10sec	300	watts
HV Battery Discharge Power 10sec	300	watts
Battery Lifetime Number Of Closes	437	
HV Battery Discharge Power 2sec	3000	watts
HV Battery Power	007458	watts
Cell Impedance Mim Discharge	0	mOhms
Battery Full AmpHr Capacity	50	AmpHrs
Battery Cell Voltage Maximum	3583	mV
Cell Impedance Max Discharge	0	mOhms
Battery Cell Voltage Minimum	3578	mV
HV Battery Voltage (cell sum)	343.70	Volts
Battery Cell Voltage Average	3580	mV
HV Battery Voltage (Module Sum)	343.00	Volts
HV Sensor B Bus\Link (Pre-Fuse) Voltage	343.80	Volts
HV Sensor A Pack Voltage	343.80	Volts
HV Sensor G Weld Contactor(Pack Negative) Voltage	-0.2	Volts
HV Sensor C OBCM (HVOBC Fuse) Voltage	343.70	Volts
Battery Temperature Maximum Module	131	°F
HV Sensor D Heater (HVHTR Fuse) Voltage	343.70	Volts
Battery Temperature Average Module	127	°F
Battery Temperature Minimum Module	124	°F
HV Cooling OBCM temp inlet Temp	151	°F
HV Cooling Battery coolant inlet temp	149	°F
HV Cooling Battery coolant outlet temp	147	°F
Isolation Battery Impedance	0.8480	Mega Ohms
HV Bat SOH-R	2.7	%
Isolation Vehicle Impedance	6.0057	Mega Ohms
HV Bat SOH-C	96.5	%

BPCM Sec MM Hw Reset Error Counter	0	cnts
BPCM Sec QA Error Counter	0	cnts
BPCM L2 SM Hw Reset Error Counter	0	No Unit
Engine Speed	5280	rpm
Real time clock-OS Task Delay Timer	0	
Real time clock	429496.7295	seconds
Accelerator position	7.5	%
Original Odometer Value	1829	miles
Most Recent Odometer Value	1829	miles

HCP | P0513-00 | Stored | Invalid SKIM Key-

NAME	VALUE	UNITS
DTC	05 13 00	
Test Failed	False	
Test Failed This Operation Cycle	False	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Occurrence flag	Occurrence	
Test Failed Since Last Clear	True	
Brake Switch Status	Applied	
Propulsion System Active	False	
PRND Position Display	P	
Ignition State	Ignition Off/ACC	
HCP ePT Wake-Up Output	On	
SW Build Release Version	PIM_21B_2007B0_RU_HCP__	
HCP SW Version	21B	
CBC Wake-Up Input	On	
HCP System Shutdown Command	Default	
APM Status	Buck CV	
EPT LOC Diag Enable	Disable LOC Daignostic	
HV Contactor Status	Closed	
OBCM Operating Mode	UTC	
J1772 Prox Detected State	Prox Out	
Impact Event	False	
Hybrid System State	High Voltage Enabled	
PHEV Charging Status	No Charging	
Real time clock	9688730	sec
RAM stamps keyOn	0	sec
RAM Stamps	13733	Min
Ignition Cycle Counter	2	
Original Odometer Value	420.4	miles

Most Recent Odometer Value	1834.5	miles
Frequency Counter	3	
Accelerator Pedal Position	0	%
Engine Speed	0	rpm
Motor A Temp Sensor	156	°F
Vehicle Speed	0.0000	MPH
Motor B Temp Sensor	154	°F
Internal EPS Voltage Sense A	8.136	Volts
Motor A Torque	0.000	Ft-Lbs
HV Battery SOC	26	%
Actual Torque - Motor A	0.000	Ft-Lbs
Barometric Pressure	14	PSI
Actual Torque - Motor B	0.000	Ft-Lbs
Engine Coolant Temperature	201	°F
Motor B Torque	0.000	Ft-Lbs
Available Regen Torque - Motor B	-116.150	Ft-Lbs
Available Regen Torque - Motor A	-43.603	Ft-Lbs
Available Motor Torque - Motor A	43.603	Ft-Lbs
Commanded Torque - Motor A	0.000	Ft-Lbs
Motor A - Inverter Current - phase B	0	AMP
Motor A - Inverter Current - phase A	0	AMP
Motor B - Inverter Current - phase A	0	AMP
Commanded Torque - Motor B	0.000	Ft-Lbs
Motor B Resolver Angle	32	Degree
Motor B - Inverter Current - phase C	0	AMP
Internal EPS Voltage Sense B	8.136	Volts
Motor A - Inverter Current - phase C	-4	AMP
Motor B - Inverter Current - phase B	0	AMP
Electric Motor A Speed	0.5	rpm
PIM DC Link Voltage - A	342	Volts
Motor A Resolver Angle	260	Degree
HV Battery Voltage from BPCM	342.60	Volts
PIM DC Link Voltage - B	343	Volts
Outside Air Temperature	82.4	°F
HV Battery Sleep Time	0	Days
Electric Motor B Speed	0.0	rpm
Available Motor Torque - Motor B	116.150	Ft-Lbs
Battery Feed Voltage 2 Sense	12.600	Volts
Inverter A IGBT Temperature for phase B	138	°F
Battery Feed Voltage 3 Sense	12.528	Volts
Inverter A IGBT Temperature for phase A	138	°F
Inverter A IGBT Temperature for phase C	138	°F
Inverter B IGBT Temperature for phase C	138	°F
Inverter B IGBT Temperature for phase B	138	°F

Distance Travelled with Light ON	0	miles
Inverter B IGBT Temperature for phase A	138	°F
UTC Time - Hours	19	Hours
GPS Date - Month	1	
GPS Date - Day	9	Days
GPS Date - Year	2021	Year
Battery Feed Voltage 1 Sense	12.600	Volts
UTC Time - Seconds	0	seconds
UTC Time - Minutes	46	
ECU Time - Milliseconds	669	ms

HCP | P16F9-00 | Stored | HCP Internal - Shutdown Performance-

NAME	VALUE	UNITS
Test Failed This Operation Cycle	False	
Pending DTC	False	
Test Failed	False	
DTC	16 F9 00	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
DTC Extended Data Record Number	05	
Confirmed DTC	True	
Warning Indicator Requested	False	
Occurrence flag	Occurrence	
Ignition State	Ignition Lock	
PRND Position Display	P	
PHEV Charging Status	No Charging	
Brake Switch Status	Not Applied	
Propulsion System Active	False	
Main Processor Reset Source - Core 1	Power Up	
Static NVM CRC Status	Passed	
Preserved NVM CRC Status	Passed	
Cumulative NVM CRC Status	Passed	
Adaptable NVM CRC Status	Passed	
Main Processor Reset Source - Core 0	Power Up	
BSW EEPROM CRC Status	Passed	
HCP - MCPA SPI CRC Error Count	00	
Expendable NVM CRC Status	Passed	
MCPUninit EEPROM CRC Status	Passed	
MCPInit EEPROM CRC Status	Passed	
HCP - MCPA SPI ARC Error Count	00	
MCPB - MCPA SPI CRC Error Count	00	
MCPB - MCPA SPI ARC Error Count	00	
Non Volatile RAM CRC Status	Passed	

MemShare ARC Error Count- Core 0	00	
MemShare CRC Error Count- Core 1	FF	
MemShare ARC Error Count- Core 1	04	
External Watchdog Fault	False	
MainTPU_Flt	False	
MemShare CRC Error Count- Core 0	1E	
MAIN Detected SPI Fault	False	
Main Detected Seed Received In Wrong Order	False	
Main Clock Fault	False	
Main Stack Fault	False	
Main Analog-to-Digital Converter Fault	False	
MAIN ALU Fault	False	
Hybrid System State	Evaluate High Voltage Enable	
HCP ePT Wake-Up Output	On	
EPT LOC Diag Enable	Disable LOC Daignostic	
HV Contactor Status	Open	
CBC Wake-Up Input	On	
Impact Event	False	
HCP System Shutdown Command	Default	
J1772 Prox Detected State	Prox Out	
APM Status	Idle	
OBCM Operating Mode	UTC	
Ignition Cycle Counter	31	
Real time clock	6307686	sec
Frequency Counter	1	
RAM Stamps	6389	Min
Engine Speed	0	rpm
RAM stamps keyOn	0	sec
Most Recent Odometer Value	420.4	miles
Accelerator Pedal Position	0	%
Original Odometer Value	420.4	miles
Barometric Pressure	15	PSI
Engine Coolant Temperature	176	°F
HV Battery SOC	25	%
Vehicle Speed	0.0000	MPH
Internal EPS Voltage Sense A	0.000	Volts
Internal EPS Voltage Sense B	0.000	Volts
Battery Feed Voltage 2 Sense	12.384	Volts
Battery Feed Voltage 3 Sense	12.312	Volts
Battery Feed Voltage 1 Sense	12.384	Volts
Available Motor Torque - Motor A	93.658	Ft-Lbs
Available Motor Torque - Motor B	116.150	Ft-Lbs
Available Regen Torque - Motor B	-116.150	Ft-Lbs
Actual Torque - Motor A	0.000	Ft-Lbs

Actual Torque - Motor B	-0.092	Ft-Lbs
Commanded Torque - Motor A	0.000	Ft-Lbs
Available Regen Torque - Motor A	-93.658	Ft-Lbs
Motor B - Inverter Current - phase B	-4	AMP
Motor A - Inverter Current - phase B	0	AMP
Motor A - Inverter Current - phase A	0	AMP
Motor A - Inverter Current - phase C	0	AMP
Motor A Resolver Angle	100	Degree
Motor B Resolver Angle	302	Degree
Motor B - Inverter Current - phase A	0	AMP
Motor B - Inverter Current - phase C	-4	AMP
Outside Air Temperature	77.0	°F
Motor A Temp Sensor	90	°F
Commanded Torque - Motor B	0.000	Ft-Lbs
Motor B Temp Sensor	104	°F
HV Battery Voltage from BPCM	180.00	Volts
Inverter A IGBT Temperature for phase A	61	°F
Inverter A IGBT Temperature for phase B	59	°F
PIM DC Link Voltage - A	3	Volts
Electric Motor A Speed	0.5	rpm
Inverter A IGBT Temperature for phase C	59	°F
PIM DC Link Voltage - B	2	Volts
Inverter B IGBT Temperature for phase B	57	°F
Inverter B IGBT Temperature for phase C	59	°F
Inverter B IGBT Temperature for phase A	59	°F
Distance Travelled with Light ON	0	miles
GPS Date - Day	1	Days
Electric Motor B Speed	0.0	rpm
GPS Date - Year	0	Year
HV Battery Sleep Time	0	Days
Motor B Torque	-0.092	Ft-Lbs
UTC Time - Hours	0	Hours
UTC Time - Minutes	0	
Motor A Torque	0.000	Ft-Lbs
ECU Time - Milliseconds	131	ms
GPS Date - Month	1	
UTC Time - Seconds	2	seconds

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

NAME	VALUE	UNITS
DTC	95 6D 00	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Failed	False	

Test Failed This Operation Cycle	False	
Pending DTC	False	
Test Not Completed This Operation Cycle	False	
Confirmed DTC	True	
DTC Extended Data Record Number - All	01	
Occurrence flag	Occurrence	
Warning Indicator Requested	False	
Most Recent Odometer Value	875	miles
Frequency Counter	21	
Ignition Cycle Counter	87	
Original Odometer Value	20	miles

SNAPSHOT DATA SUMMARY

No Snapshot Data available for B10EB-00

No Snapshot Data available for B233C-00

No Snapshot Data available for U151A-87

No Snapshot Data available for C2225-00

RADIO | U3033-00 | Stored | Control Module Security Certificate Missing/Invalid-

Record 0

NAME	VALUE	UNITS
DTC	F0 33 00	
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Confirmed DTC	True	

Record 1

NAME	VALUE	UNITS
DTC	F0 33 00	
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Confirmed DTC	True	

No Snapshot Data available for P1A9E-00

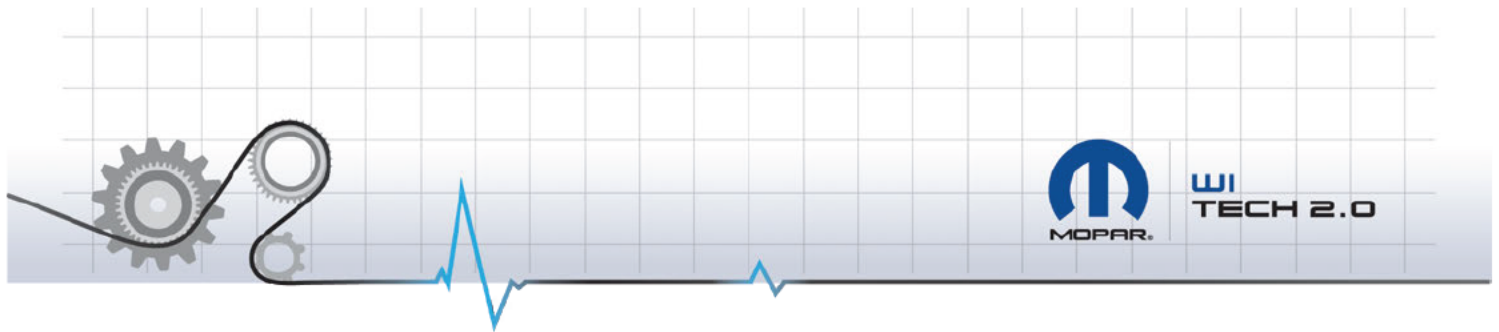
No Snapshot Data available for P1A9A-00

No Snapshot Data available for P1AA2-00

No Snapshot Data available for P0513-00

No Snapshot Data available for P16F9-00

No Snapshot Data available for B156D-00



VEHICLE SCAN REPORT

Vehicle 2021 CHRYSLER PACIFICA (PHEV) 3.6L V6 HYBRID ENGINE
VIN 2C4RC1S79 [REDACTED]

Odometer 2200.4 miles
Publication Date Mar 16, 2021, 8:15:55 AM

ECU SUMMARY INFO

ECU	NAME	BUS TYPE	FLASH PART #	CURRENT	[REDACTED]	ORIGINAL V	PART #
PCM	Powertrain Control Module	CAN-C	68499122AD	2C4RC1S7	[REDACTED]	2C4RC1S79	68499122AD
PLGM	Power Liftgate	CAN-I	68466171AG	2C4RC1S7	[REDACTED]	—	68466171AG
ICS	Integrated Center Stack	CAN-I	6XY201X8AA	2C4RC1S7	[REDACTED]	2C4RC1S79	6XY201X8AA
RFH	Radio Frequency Hub	CAN-C	68500152AA	2C4RC1S7	[REDACTED]	2C4RC1S79	68500152AA
ESM	Electronic Shifter	CAN-C	68240089AM	2C4RC1S7	[REDACTED]	2C4RC1S79	68240089AM
ORC	Occupant Restraint	CAN-C	68480710AC	2C4RC1S7	[REDACTED]	2C4RC1S79	68480710AC
EPS	Electric Power Steering	CAN-C	68460392AA	2C4RC1S7	[REDACTED]	2C4RC1S79	68460392AA
HVAC	Heat, Ventilation and A/C	CAN-I	68493454AE	2C4RC1S7	[REDACTED]	2C4RC1S79	68493454AE
DDM	Driver Door Module	CAN-I	68496461AB	2C4RC1S7	[REDACTED]	2C4RC1S79	68496461AB
PDM	Passenger Door Module	CAN-I	68496460AB	2C4RC1S7	[REDACTED]	2C4RC1S79	68496460AB
DMRL	Door Module Rear Left	CAN-I	68508894AB	2C4RC1S7	[REDACTED]	2C4RC1S79	68508894AB
DMRR	Door Module Rear Right	CAN-I	68508894AB	2C4RC1S7	[REDACTED]	2C4RC1S79	68508894AB
PSDML	Power Sliding Doors (Left)	CAN-I	68369596AD	2C4RC1S7	[REDACTED]	2C4RC1S79	68369596AD
PSDMR	Power Sliding Doors (Right)	CAN-I	68369596AD	2C4RC1S7	[REDACTED]	2C4RC1S79	68369596AD
MSM	Memory Seat Module	CAN-I	68321862AC	2C4RC1S7	[REDACTED]	2C4RC1S79	68321862AC
CSWM	Comfort Seat Wheel Module	CAN-I	68517013AB	2C4RC1S7	[REDACTED]	2C4RC1S79	68517013AB
AMP	Amplifier	CAN-I	68476878AA	2C4RC1S7	[REDACTED]	2C4RC1S79	68476878AA
IPC	Instrument Panel Cluster	CAN-C	68434960AE	2C4RC1S7	[REDACTED]	2C4RC1S79	68434960AE
PTS	Parktronics	CAN-C	68485851AA	2C4RC1S7	[REDACTED]	2C4RC1S79	68485851AA
SCCM	Steering Column Control Module	CAN-C	68360889AD	2C4RC1S7	[REDACTED]	2C4RC1S79	68360889AD
BCM	Body Controller	CAN-C	68491085AG	2C4RC1S7	[REDACTED]	2C4RC1S79	68491085AG

ACC	Adaptive Cruise Control	CAN-C	68540436AA	2C4RC1S79		2C4RC1S79	68540436AA
RADIO	Radio	CAN-I	68465292AC	2C4RC1S79		2C4RC1S79	68465292AC
OCM	Occupant Classification	CAN-C	68403127AA	2C4RC1S79		2C4RC1S79	68403127AA
HVACR	Heat, Ventilation and A/C Rear	CAN-I	68373079AB	2C4RC1S79		2C4RC1S79	68373079AB
LBSS	Left Blind Spot Sensor	CAN-I	04672786AB	2C4RC1S79		2C4RC1S79	04672786AB
RBSS	Right Blind Spot Sensor	CAN-I	04672786AB	2C4RC1S79		2C4RC1S79	04672786AB
FFCM	Forward Facing Camera Module	CAN-C	68493395AA	2C4RC1S79		2C4RC1S79	68493395AA
APM	Accessory Power Module	CAN-C	05185046AB	2C4RC1S79		2C4RC1S79	05185046AB
BPCM	Battery Pack Control Module	CAN-C	05193183AD	2C4RC1S79		2C4RC1S79	05193183AD
HCP	Hybrid Control Processor	CAN-C	05185116AF	2C4RC1S79		2C4RC1S79	05185116AF
OBCM	On Board Charging Module	CAN-C	05185047AE	2C4RC1S79		2C4RC1S79	05185047AE
MSMP	Memory Seat Module - Passenger	CAN-I	68321862AC	2C4RC1S79		2C4RC1S79	68321862AC
DSM	Display Screen Module	CAN-I	68437339AD	2C4RC1S79		2C4RC1S79	68437339AD
RCCC	Rear Cabin Comfort Controls	CAN-I	6WL30PD2AA	2C4RC1S79		2C4RC1S79	6WL30PD2AA
EAC	Electric A/C Compressor	CAN-C	68237995AG	2C4RC1S79		2C4RC1S79	68237995AG
AHCP	Auxiliary Hybrid Control Processor	CAN-C	05185117AF	2C4RC1S79		2C4RC1S79	05185117AF
EBBM	Electronic Brake Booster Module	CAN-C	68461813AB	2C4RC1S79		2C4RC1S79	68461813AB
ABSO	Anti Lock Brakes OBD	CAN-C	68471122AD	2C4RC1S79		2C4RC1S79	68471122AD
SGW	Security Gateway Module	CAN-C	68488429AB			2C4RC1S79	68488429AB
TBM2	Telematic Box Module 2	CAN-C	68546266AB	2C4RC1S79		2C4RC1S79	68546266AB

ECU SUMMARY INFO (CONT...)

ECU	COUNTRY CODE	HARDWARE VERSION	SOFTWARE VERSION	IDENT	CVNS
PCM	USA	1B 47	75 00 01	4422	941DFC50
PLGM	USA	0	5270	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	
APM	USA / USA	11 32 00	11 32 00	4001	
BPCM	Not programmed / COUNTRY_SNA	0E 03 00	14 1A 00	4005	F0C1430E
HCP	USA	11 1F 04	0F 2D 00	4006	FE120BB2 29C5A4AB 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	
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	E5898FA5
ABSO	USA	0E 15 02	14 1B 26	4201	4F158D1B
SGW		5	969	4103	
TBM2	USA	13 0E 02	14 2A 5C	4104	

DTC SUMMARY

ECU	DTC CODE	DTC DESCRIPTION	STATUS
HVAC	B10EB-00	Blower Power Module-	Stored
MSM	B233C-00	Commanded Position Not Reachable-	Stored
BCM	U151A-87	Hybrid Control Processor Secret Code-Missing Message	Stored
ACC	C2225-00	PCM Disabled ECU-	Stored
RADIO	U3033-00	Control Module Security Certificate Missing/Invalid-	Stored
BPCM	P1A9E-00	Hybrid/EV Battery Temperature Sensor 2 Out of Range Low-	Stored
BPCM	P1A9A-00	Hybrid/EV Battery Temperature Sensor 1 Out of Range Low-	Stored
BPCM	P1AA2-00	Hybrid/EV Battery Temperature Sensor 3 Out of Range Low-	Stored

HCP	P0513-00	Invalid SKIM Key-	Stored
HCP	P16F9-00	HCP Internal - Shutdown Performance-	Stored
DSM	B156D-00	Low Voltage Differential Signal (LVDS) Video Cable-	Stored

ENVIRONMENTAL DATA SUMMARY

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

NAME	VALUE	UNITS
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
Occurrence flag	Error	
Original Odometer Value	1829	miles
Most Recent Odometer Value	1829	miles
Frequency Counter	3	
Ignition Cycle Counter	31	

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

NAME	VALUE	UNITS
Failed Movement Information - Recliner Motor	Movement aborted by operator	
Failed Movement Information - Vertical Rear Motor	Movement aborted by operator	
Failed Movement Information - Vertical Front Motor	Movement aborted by operator	
Failed Movement Information - Horizontal Motor	No Failed Movement	
Movement Direction - Recliner Motor	Forward / Up	
Movement Direction - Vertical Rear Motor	Motor not moving	
Movement Direction - Horizontal Motor	Motor not moving	
Movement Direction - Vertical Front Motor	Rearward / Down	
Recliner Motor Position - end of movement	32124	Counts
Vertical Front Motor Position - end of movement	33252	Counts
Obstacle Detection Location - Horizontal Motor	No Obstacle Detected	Counts
Horizontal Motor Position - end of movement	32529	Counts
Recliner Motor Position - start of movement	31928	Counts
Vertical Rear Motor Position - end of movement	33004	Counts
ECU Voltage - at start of movement	3934	Volts
ECU Voltage - minimum voltage during movement	369A	Volts
Vertical Front Motor Position - start of movement	33268	Counts
Vertical Rear Motor Position - start of movement	33004	Counts
Horizontal Motor Position - start of movement	32421	Counts

BCM | U151A-87 | Stored | Hybrid Control Processor Secret Code-Missing Message

NAME	VALUE	UNITS
Test Failed	False	
Test Failed This Operation Cycle	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
DTC Extended Data Record Number - All	01	
Pending DTC	False	
Warning Indicator Requested	False	
Occurrence flag	Error	
Frequency Counter	2	
Ignition Cycle Counter	36	
Most Recent Odometer Value	1829	miles
Original Odometer Value	1064	miles

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

NAME	VALUE	UNITS
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Failed This Operation Cycle	False	
Test Failed	False	
Warning Indicator Requested	False	
Test Not Completed This Operation Cycle	False	
Confirmed DTC	True	
Pending DTC	False	
Occurrence flag	Error	
PRNDL Status	D range	
Vehicle Speed	0	MPH
Engine RPM	1376	rpm
Object of Interest Distance	830	FEET
Original Odometer Value	1829	miles
Most Recent Odometer Value	1829	miles
Frequency Counter	1	
Operation Cycle Counter	40	
Ignition Voltage	14.3	
ACC Set Speed	77	MPH
System Voltage	14.5	Volts
Engine Torque Request	SNA	Ft-Lbs

RADIO | U3033-00 | Stored | Control Module Security Certificate Missing/Invalid-

NAME	VALUE	UNITS
DTC	F0 33 00	
Pending DTC	False	

Confirmed DTC	True	
Test Failed This Operation Cycle	False	
Test Failed	False	

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

NAME	VALUE	UNITS
Key in Ignition	Key_Def	
EPT -WakeUp	Sourced	
Key Position	Ign_ Run	
HCP Contactor Command	Open	
Verified Contactor Command - VCC	Open	
Qualified Contactor Command - QCC	Open	
Plug in Status	Not plugged in	
ChargingLevel	Plug in, but no charge	
Contactor Status	Open	
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	
Balance Mode	False	
HVIL Status -Vehicle	PASS	
HVIL Status - Battery pack	PASS	
Pump - Wire Open\Short to Gnd	PASS	
Pump - Dry Run Detection	PASS	
Pump - Overtemperature	PASS	
Pump - Overcurrent	PASS	
Pump - Switch Power Shorted	PASS	
Fault trigger level 1	False	
Fault trigger level 2	False	
Fault Path	01	
Fault trigger level 3	False	
Key - DriveRdy (CAN)	True	
Battery Cell Lowest Cell number	71	
Battery Cell Highest Cell number	81	
Battery Temperature Highest Sensor number	02	
Battery Temperature Lowest Sensor number	12	
Battery Temperature Number of Failing Sensors	00	
HV Cooling Pump Relay Drive	Not Sourced	
Isolation Vehicle Diagnostic Status	Run and Passed	
Pump - Battery Coolant Level Low	False	
Isolation Battery Diagnostic Status	Run and Passed	
BPCM Sec Asic Reset Req	Not Active	
BPCM L2 General Monitoring Flt Rsn	L2L1_CELL_MAX_V_CMP_FLT	
BPCM Sec CC Path Test Active	Not Active	
BPCM Sec Asic Fault Input	Not Active	
BPCM L2 CC Path Test Req	Undetermined	

BPCM Sec HW Timer Status	Not Active	
BPCM L2 Contactor Dslb Req	Undetermined	
BPCM L2 ASIC Diagnostic Flt Rsn	ADCTest	
BPCM Sec Contactor State	Open	
BPCM Main HW Timer Status	Not Active	
BPCM Sec Asic Fault State	NOTASSERTED	
Real Time Clock Validity	True	
DTC	1A 9E 00	
Test Failed	False	
Test Failed This Operation Cycle	False	
Test Not Completed Since Last Clear	False	
Confirmed DTC	True	
Pending DTC	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
DTC Extended Data Record Number - All	01	
Warning Indicator Requested	False	
Occurrence flag	Error	
DTC Extended Data Record Number - 2	62	
Frequency Counter	1	
Ignition Cycle Counter	1	
FoM - for this DTC (lifetime fails counts on pass)	9.2000	seconds
FoM - for this DTC (lifetime longest fail on pass)	2.400	seconds
FoM - for this DTC (lifetime fails)	1	events
Battery Total Time Awake	9766955	seconds
Battery Lifetime Miles	CD0425	miles
System (12) Volts at time of fault	12.779	Volts
Vehicle Speed	0.0	MPH
Vehicle mileage at time of fault (ODO signal in \$3D2)	2200.27	miles
Battery Lifetime AmpHrs of Charge	1106.8	AHr
Battery Lifetime AmpHrs of DisCharge	1109.6	AHr
SOC at time of Fault	25.9	%
Power Up SOC at time of Fault	26.3	%
HVIL PWM Duty Cycle - Vehicle	50.2	%
HVIL PWM peak voltage Sourced - Vehicle	11.582	Volts
HVIL PWM Frequency - Vehicle	87.9	Hz
HVIL PWM peak voltage Sensed - Vehicle	11.495	Volts
HV Battery Current Sensor 1 Hall High	-0.60	Amps
HVIL Returned current - Battery	30.70	mA
HVIL Source Voltage- Battery	1.377	Volts
HV Cooling Speed pump 1 Speed	0	rpm
HV Cooling Speed Pump 1 Target	0	rpm
HV Battery Current Sensor 2 Hall Low	-0.05	Amps
HV Battery Current HVBatCrnt	0.00	Amps

Charge indicator Temp	108	°F
BPCM temperature min	126	°F
Isolation Circuitry Vb	2.502	Volts
Isolation Circuitry Va	2.497	Volts
BPCM temperature max	131	°F
Isolation Circuitry Vd	0.000	Volts
WC and Circuitry Vcc Voltage	5.000	Volts
WC and Circuitry 2.5V Reference Voltage	2.501	Volts
WC and Circuitry Weld Contactor Sensor G (Pack Negative) Voltage	-2.0	Volts
WC and Circuitry ISO 8V Reference Voltage	8.010	Volts
Cycles left to self heal	40	No Unit
HV Battery Charge Power 2sec	3000	watts
HV Battery Power	007530	watts
HV Battery Discharge Power 2sec	3000	watts
HV Battery Discharge Power 10sec	3000	watts
HV Battery Charge Power 10sec	3000	watts
Battery Lifetime Number Of Closes	469	
Battery Full AmpHr Capacity	50	AmpHrs
Cell Impedance Max Discharge	0	mOhms
Cell Impedance Mim Discharge	0	mOhms
Battery Cell Voltage Maximum	3572	mV
Battery Cell Voltage Minimum	3565	mV
Battery Cell Voltage Average	3569	mV
HV Battery Voltage (cell sum)	342.60	Volts
HV Sensor B Bus\Link (Pre-Fuse) Voltage	1.60	Volts
HV Battery Voltage (Module Sum)	341.90	Volts
HV Sensor D Heater (HVHTR Fuse) Voltage	0.80	Volts
HV Sensor A Pack Voltage	342.80	Volts
HV Sensor C OBCM (HVOBC Fuse) Voltage	0.80	Volts
Battery Temperature Maximum Module	131	°F
HV Sensor G Weld Contactor(Pack Negative) Voltage	-2.0	Volts
Battery Temperature Average Module	129	°F
HV Cooling Battery coolant inlet temp	144	°F
Battery Temperature Minimum Module	126	°F
HV Cooling OBCM temp inlet Temp	104	°F
HV Cooling Battery coolant outlet temp	144	°F
Isolation Vehicle Impedance	6.1850	Mega Ohms
HV Bat SOH-R	89.8	%
Isolation Battery Impedance	0.8480	Mega Ohms
HV Bat SOH-C	96.5	%
BPCM Sec QA Error Counter	2	cnts
BPCM Sec MM Hw Reset Error Counter	0	cnts
Engine Speed	0	rpm
Real time clock	429496.7295	seconds

BPCM L2 SM Hw Reset Error Counter	0	No Unit
Accelerator position	7.8	%
Real time clock-OS Task Delay Timer	0	
Most Recent Odometer Value	2197	miles
Original Odometer Value	2197	miles

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

NAME	VALUE	UNITS
Key in Ignition	Key_Def	
Key Position	Ign_ Run	
EPT -WakeUp	Sourced	
HCP Contactor Command	Closed	
Verified Contactor Command - VCC	Closed Restricted	
Qualified Contactor Command - QCC	Closed	
Contactor Status	Closed	
Plug in Status	Not plugged in	
Battery in Periodic wake up (Just battery) at time of Fault	False	
ChargingLevel	Plug in, but no charge	
Balance Mode	False	
Battery in Periodic wake up (Wake up vehicle) at time of Fault	False	
HVIL Status - Battery pack	PASS	
HVIL Status -Vehicle	PASS	
Pump - Dry Run Detection	PASS	
Pump - Overcurrent	PASS	
Pump - Overtemperature	PASS	
Pump - Switch Power Shorted	PASS	
Pump - Wire Open\Short to Gnd	PASS	
Fault trigger level 1	False	
Fault trigger level 2	False	
Fault Path	01	
Fault trigger level 3	False	
Key - DriveRdy (CAN)	True	
Battery Cell Highest Cell number	47	
Battery Cell Lowest Cell number	70	
Battery Temperature Highest Sensor number	02	
HV Cooling Pump Relay Drive	Not Sourced	
Battery Temperature Number of Failing Sensors	00	
Battery Temperature Lowest Sensor number	12	
Isolation Vehicle Diagnostic Status	Run and Passed	
Pump - Battery Coolant Level Low	False	
Isolation Battery Diagnostic Status	Run and Passed	
BPCM Sec Asic Reset Req	Not Active	
BPCM Sec Asic Fault Input	Not Active	
BPCM L2 General Monitoring Flt Rsn	L2L1_CELL_MAX_V_CMP_FLT	

BPCM L2 CC Path Test Req	Undetermined	
BPCM Sec CC Path Test Active	Not Active	
BPCM Sec HW Timer Status	Not Active	
BPCM Sec Contactor State	Close	
BPCM L2 ASIC Diagnostic Flt Rsn	ADCTest	
BPCM Sec Asic Fault State	NOTASSERTED	
BPCM Main HW Timer Status	Not Active	
BPCM L2 Contactor Dslb Req	Undetermined	
Real Time Clock Validity	True	
Test Failed	False	
DTC	1A 9A 00	
Confirmed DTC	True	
Pending DTC	False	
Test Failed This Operation Cycle	False	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
DTC Extended Data Record Number - All	01	
Warning Indicator Requested	False	
Occurrence flag	Error	
DTC Extended Data Record Number - 2	60	
Frequency Counter	1	
Ignition Cycle Counter	1	
FoM - for this DTC (lifetime longest fail on pass)	3.680	seconds
FoM - for this DTC (lifetime fails counts on pass)	21.6800	seconds
FoM - for this DTC (lifetime fails)	1	events
Battery Total Time Awake	9766881	seconds
Battery Lifetime Miles	CD0424	miles
Vehicle Speed	68.0	MPH
System (12) Volts at time of fault	14.373	Volts
Vehicle mileage at time of fault (ODO signal in \$3D2)	2199.96	miles
Battery Lifetime AmpHrs of Charge	1106.7	AHr
Battery Lifetime AmpHrs of DisCharge	1109.6	AHr
SOC at time of Fault	25.5	%
Power Up SOC at time of Fault	26.3	%
HVIL PWM Duty Cycle - Vehicle	50.2	%
HVIL PWM peak voltage Sourced - Vehicle	13.165	Volts
HVIL PWM peak voltage Sensed - Vehicle	13.042	Volts
HV Battery Current Sensor 1 Hall High	4.90	Amps
HVIL PWM Frequency - Vehicle	87.9	Hz
HVIL Source Voltage- Battery	1.385	Volts
HV Battery Current HVBatCrnt	6.15	Amps
HV Battery Current Sensor 2 Hall Low	5.80	Amps
Charge indicator Temp	108	°F

HVIL Returned current - Battery	30.60	mA
HV Cooling Speed pump 1 Speed	600	rpm
HV Cooling Speed Pump 1 Target	600	rpm
BPCM temperature min	126	°F
BPCM temperature max	131	°F
Isolation Circuitry Va	2.500	Volts
WC and Circuitry 2.5V Reference Voltage	2.501	Volts
Isolation Circuitry Vd	0.000	Volts
Isolation Circuitry Vb	2.502	Volts
WC and CircuitryISO 8V Reference Voltage	8.010	Volts
WC and Circuitry Vcc Voltage	5.007	Volts
HV Battery Charge Power 2sec	3000	watts
Cycles left to self heal	40	No Unit
WC and Circuitry Weld Contactor Sensor G (Pack Negative) Voltage	0.0	Volts
HV Battery Charge Power 10sec	300	watts
HV Battery Discharge Power 2sec	3000	watts
HV Battery Discharge Power 10sec	300	watts
HV Battery Power	007603	watts
Battery Full AmpHr Capacity	50	AmpHrs
Battery Lifetime Number Of Closes	469	
Cell Impedance Max Discharge	0	mOhms
Cell Impedance Mim Discharge	0	mOhms
Battery Cell Voltage Minimum	3558	mV
Battery Cell Voltage Maximum	3567	mV
HV Battery Voltage (cell sum)	342.10	Volts
HV Battery Voltage (Module Sum)	341.40	Volts
HV Sensor A Pack Voltage	342.30	Volts
Battery Cell Voltage Average	3563	mV
HV Sensor C OBCM (HVOBC Fuse) Voltage	342.20	Volts
HV Sensor B Bus\Link (Pre-Fuse) Voltage	342.20	Volts
HV Sensor D Heater (HVHTR Fuse) Voltage	342.10	Volts
Battery Temperature Maximum Module	131	°F
Battery Temperature Average Module	129	°F
Battery Temperature Minimum Module	126	°F
HV Cooling Battery coolant inlet temp	144	°F
HV Sensor G Weld Contactor(Pack Negative) Voltage	0.0	Volts
HV Cooling OBCM temp inlet Temp	102	°F
HV Cooling Battery coolant outlet temp	144	°F
HV Bat SOH-R	89.8	%
HV Bat SOH-C	96.5	%
Isolation Vehicle Impedance	6.1850	Mega Ohms
BPCM Sec QA Error Counter	0	cnts
Isolation Battery Impedance	0.8480	Mega Ohms
BPCM Sec MM Hw Reset Error Counter	0	cnts

BPCM L2 SM Hw Reset Error Counter	0	No Unit
Accelerator position	34.9	%
Engine Speed	3120	rpm
Real time clock	429496.7295	seconds
Real time clock-OS Task Delay Timer	0	
Original Odometer Value	2197	miles
Most Recent Odometer Value	2197	miles

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

NAME	VALUE	UNITS
Key in Ignition	Key_Def	
EPT -WakeUp	Sourced	
HCP Contactor Command	Closed	
Key Position	Ign_ Run	
Qualified Contactor Command - QCC	Closed	
Verified Contactor Command - VCC	Closed Restricted	
Contactor Status	Closed	
ChargingLevel	Plug in, but no charge	
Plug in Status	Not plugged in	
Balance Mode	False	
Battery in Periodic wake up (Wake up vehicle) at time of Fault	False	
Battery in Periodic wake up (Just battery) at time of Fault	False	
HVIL Status - Battery pack	PASS	
HVIL Status -Vehicle	PASS	
Pump - Dry Run Detection	PASS	
Pump - Wire Open\Short to Gnd	PASS	
Pump - Overcurrent	PASS	
Pump - Overtemperature	PASS	
Pump - Switch Power Shorted	PASS	
Fault trigger level 3	False	
Fault trigger level 1	False	
Fault trigger level 2	False	
Fault Path	01	
Key - DriveRdy (CAN)	True	
Battery Cell Lowest Cell number	01	
Battery Cell Highest Cell number	86	
Battery Temperature Highest Sensor number	06	
Battery Temperature Lowest Sensor number	10	
Battery Temperature Number of Failing Sensors	00	
HV Cooling Pump Relay Drive	Not Sourced	
Isolation Vehicle Diagnostic Status	Run and Passed	
Isolation Battery Diagnostic Status	Run and Passed	
Pump - Battery Coolant Level Low	False	
BPCM Sec Asic Reset Req	Not Active	

BPCM Sec Asic Fault Input	Not Active	
BPCM Sec CC Path Test Active	Not Active	
BPCM L2 Contactor Dslb Req	Undetermined	
BPCM L2 General Monitoring Flt Rsn	L2L1_CELL_MAX_V_CMP_FLT	
BPCM L2 CC Path Test Req	Undetermined	
BPCM Sec HW Timer Status	Not Active	
BPCM Sec Contactor State	Close	
BPCM L2 ASIC Diagnostic Flt Rsn	ADCTest	
BPCM Main HW Timer Status	Not Active	
BPCM Sec Asic Fault State	NOTASSERTED	
Real Time Clock Validity	True	
Test Failed	False	
DTC	1A A2 00	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Not Completed This Operation Cycle	False	
DTC Extended Data Record Number - All	01	
Test Failed Since Last Clear	True	
Occurrence flag	Error	
Warning Indicator Requested	False	
DTC Extended Data Record Number - 2	64	
Frequency Counter	1	
Ignition Cycle Counter	5	
FoM - for this DTC (lifetime fails)	1	events
FoM - for this DTC (lifetime longest fail on pass)	1.600	seconds
Battery Total Time Awake	9688664	seconds
FoM - for this DTC (lifetime fails counts on pass)	3.8400	seconds
Battery Lifetime Miles	CCFAF3	miles
Vehicle mileage at time of fault (ODO signal in \$3D2)	1834.44	miles
System (12) Volts at time of fault	14.641	Volts
Battery Lifetime AmpHrs of Charge	1064.7	AHr
Battery Lifetime AmpHrs of DisCharge	1067.1	AHr
Vehicle Speed	0.0	MPH
SOC at time of Fault	27.1	%
Power Up SOC at time of Fault	27.1	%
HVIL PWM Duty Cycle - Vehicle	50.2	%
HVIL Source Voltage- Battery	1.385	Volts
HVIL PWM peak voltage Sourced - Vehicle	13.284	Volts
HVIL PWM peak voltage Sensed - Vehicle	13.157	Volts
HVIL PWM Frequency - Vehicle	87.9	Hz
HVIL Returned current - Battery	30.60	mA
HV Battery Current Sensor 2 Hall Low	-6.35	Amps

HV Cooling Speed Pump 1 Target	600	rpm
HV Cooling Speed pump 1 Speed	600	rpm
HV Battery Current Sensor 1 Hall High	-7.90	Amps
Charge indicator Temp	108	°F
HV Battery Current HVBatCmt	-6.25	Amps
BPCM temperature max	131	°F
BPCM temperature min	124	°F
Isolation Circuitry Va	2.500	Volts
Isolation Circuitry Vb	2.502	Volts
WC and Circuitry 2.5V Reference Voltage	2.501	Volts
WC and Circuitry Vcc Voltage	5.009	Volts
Isolation Circuitry Vd	0.000	Volts
WC and Circuitry Weld Contactor Sensor G (Pack Negative) Voltage	-0.2	Volts
Cycles left to self heal	40	No Unit
WC and CircuitryISO 8V Reference Voltage	8.010	Volts
HV Battery Charge Power 2sec	3000	watts
HV Battery Charge Power 10sec	300	watts
HV Battery Discharge Power 10sec	300	watts
Battery Lifetime Number Of Closes	437	
HV Battery Discharge Power 2sec	3000	watts
HV Battery Power	007458	watts
Cell Impedance Mim Discharge	0	mOhms
Battery Full AmpHr Capacity	50	AmpHrs
Battery Cell Voltage Maximum	3583	mV
Cell Impedance Max Discharge	0	mOhms
Battery Cell Voltage Minimum	3578	mV
HV Battery Voltage (cell sum)	343.70	Volts
Battery Cell Voltage Average	3580	mV
HV Battery Voltage (Module Sum)	343.00	Volts
HV Sensor B Bus\Link (Pre-Fuse) Voltage	343.80	Volts
HV Sensor A Pack Voltage	343.80	Volts
HV Sensor G Weld Contactor(Pack Negative) Voltage	-0.2	Volts
HV Sensor C OBCM (HVOBC Fuse) Voltage	343.70	Volts
Battery Temperature Maximum Module	131	°F
HV Sensor D Heater (HVHTR Fuse) Voltage	343.70	Volts
Battery Temperature Average Module	127	°F
Battery Temperature Minimum Module	124	°F
HV Cooling OBCM temp inlet Temp	151	°F
HV Cooling Battery coolant inlet temp	149	°F
HV Cooling Battery coolant outlet temp	147	°F
Isolation Battery Impedance	0.8480	Mega Ohms
HV Bat SOH-R	2.7	%
Isolation Vehicle Impedance	6.0057	Mega Ohms
HV Bat SOH-C	96.5	%

BPCM Sec MM Hw Reset Error Counter	0	cnts
BPCM Sec QA Error Counter	0	cnts
BPCM L2 SM Hw Reset Error Counter	0	No Unit
Engine Speed	5280	rpm
Real time clock-OS Task Delay Timer	0	
Real time clock	429496.7295	seconds
Accelerator position	7.5	%
Original Odometer Value	1829	miles
Most Recent Odometer Value	1829	miles

HCP | P0513-00 | Stored | Invalid SKIM Key-

NAME	VALUE	UNITS
DTC	05 13 00	
Test Failed	False	
Test Failed This Operation Cycle	False	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Occurrence flag	Occurrence	
Test Failed Since Last Clear	True	
Brake Switch Status	Applied	
Propulsion System Active	False	
PRND Position Display	P	
Ignition State	Ignition Off/ACC	
HCP ePT Wake-Up Output	On	
SW Build Release Version	PIM_21B_2007B0_RU_HCP__	
HCP SW Version	21B	
CBC Wake-Up Input	On	
HCP System Shutdown Command	Default	
APM Status	Buck CV	
EPT LOC Diag Enable	Disable LOC Daignostic	
HV Contactor Status	Closed	
OBCM Operating Mode	UTC	
J1772 Prox Detected State	Prox Out	
Impact Event	False	
Hybrid System State	High Voltage Enabled	
PHEV Charging Status	No Charging	
Real time clock	9688730	sec
RAM stamps keyOn	0	sec
RAM Stamps	13733	Min
Ignition Cycle Counter	2	
Original Odometer Value	420.4	miles

Most Recent Odometer Value	1834.5	miles
Frequency Counter	3	
Accelerator Pedal Position	0	%
Engine Speed	0	rpm
Motor A Temp Sensor	156	°F
Vehicle Speed	0.0000	MPH
Motor B Temp Sensor	154	°F
Internal EPS Voltage Sense A	8.136	Volts
Motor A Torque	0.000	Ft-Lbs
HV Battery SOC	26	%
Actual Torque - Motor A	0.000	Ft-Lbs
Barometric Pressure	14	PSI
Actual Torque - Motor B	0.000	Ft-Lbs
Engine Coolant Temperature	201	°F
Motor B Torque	0.000	Ft-Lbs
Available Regen Torque - Motor B	-116.150	Ft-Lbs
Available Regen Torque - Motor A	-43.603	Ft-Lbs
Available Motor Torque - Motor A	43.603	Ft-Lbs
Commanded Torque - Motor A	0.000	Ft-Lbs
Motor A - Inverter Current - phase B	0	AMP
Motor A - Inverter Current - phase A	0	AMP
Motor B - Inverter Current - phase A	0	AMP
Commanded Torque - Motor B	0.000	Ft-Lbs
Motor B Resolver Angle	32	Degree
Motor B - Inverter Current - phase C	0	AMP
Internal EPS Voltage Sense B	8.136	Volts
Motor A - Inverter Current - phase C	-4	AMP
Motor B - Inverter Current - phase B	0	AMP
Electric Motor A Speed	0.5	rpm
PIM DC Link Voltage - A	342	Volts
Motor A Resolver Angle	260	Degree
HV Battery Voltage from BPCM	342.60	Volts
PIM DC Link Voltage - B	343	Volts
Outside Air Temperature	82.4	°F
HV Battery Sleep Time	0	Days
Electric Motor B Speed	0.0	rpm
Available Motor Torque - Motor B	116.150	Ft-Lbs
Battery Feed Voltage 2 Sense	12.600	Volts
Inverter A IGBT Temperature for phase B	138	°F
Battery Feed Voltage 3 Sense	12.528	Volts
Inverter A IGBT Temperature for phase A	138	°F
Inverter A IGBT Temperature for phase C	138	°F
Inverter B IGBT Temperature for phase C	138	°F
Inverter B IGBT Temperature for phase B	138	°F

Distance Travelled with Light ON	0	miles
Inverter B IGBT Temperature for phase A	138	°F
UTC Time - Hours	19	Hours
GPS Date - Month	1	
GPS Date - Day	9	Days
GPS Date - Year	2021	Year
Battery Feed Voltage 1 Sense	12.600	Volts
UTC Time - Seconds	0	seconds
UTC Time - Minutes	46	
ECU Time - Milliseconds	669	ms

HCP | P16F9-00 | Stored | HCP Internal - Shutdown Performance-

NAME	VALUE	UNITS
Test Failed This Operation Cycle	False	
Pending DTC	False	
Test Failed	False	
DTC	16 F9 00	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
DTC Extended Data Record Number	05	
Confirmed DTC	True	
Warning Indicator Requested	False	
Occurrence flag	Occurrence	
Ignition State	Ignition Lock	
PRND Position Display	P	
PHEV Charging Status	No Charging	
Brake Switch Status	Not Applied	
Propulsion System Active	False	
Main Processor Reset Source - Core 1	Power Up	
Static NVM CRC Status	Passed	
Preserved NVM CRC Status	Passed	
Cumulative NVM CRC Status	Passed	
Adaptable NVM CRC Status	Passed	
Main Processor Reset Source - Core 0	Power Up	
BSW EEPROM CRC Status	Passed	
HCP - MCPA SPI CRC Error Count	00	
Expendable NVM CRC Status	Passed	
MCPUninit EEPROM CRC Status	Passed	
MCPInit EEPROM CRC Status	Passed	
HCP - MCPA SPI ARC Error Count	00	
MCPB - MCPA SPI CRC Error Count	00	
MCPB - MCPA SPI ARC Error Count	00	
Non Volatile RAM CRC Status	Passed	

MemShare ARC Error Count- Core 0	00	
MemShare CRC Error Count- Core 1	FF	
MemShare ARC Error Count- Core 1	04	
External Watchdog Fault	False	
MainTPU_Flt	False	
MemShare CRC Error Count- Core 0	1E	
MAIN Detected SPI Fault	False	
Main Detected Seed Received In Wrong Order	False	
Main Clock Fault	False	
Main Stack Fault	False	
Main Analog-to-Digital Converter Fault	False	
MAIN ALU Fault	False	
Hybrid System State	Evaluate High Voltage Enable	
HCP ePT Wake-Up Output	On	
EPT LOC Diag Enable	Disable LOC Daignostic	
HV Contactor Status	Open	
CBC Wake-Up Input	On	
Impact Event	False	
HCP System Shutdown Command	Default	
J1772 Prox Detected State	Prox Out	
APM Status	Idle	
OBCM Operating Mode	UTC	
Ignition Cycle Counter	31	
Real time clock	6307686	sec
Frequency Counter	1	
RAM Stamps	6389	Min
Engine Speed	0	rpm
RAM stamps keyOn	0	sec
Most Recent Odometer Value	420.4	miles
Accelerator Pedal Position	0	%
Original Odometer Value	420.4	miles
Barometric Pressure	15	PSI
Engine Coolant Temperature	176	°F
HV Battery SOC	25	%
Vehicle Speed	0.0000	MPH
Internal EPS Voltage Sense A	0.000	Volts
Internal EPS Voltage Sense B	0.000	Volts
Battery Feed Voltage 2 Sense	12.384	Volts
Battery Feed Voltage 3 Sense	12.312	Volts
Battery Feed Voltage 1 Sense	12.384	Volts
Available Motor Torque - Motor A	93.658	Ft-Lbs
Available Motor Torque - Motor B	116.150	Ft-Lbs
Available Regen Torque - Motor B	-116.150	Ft-Lbs
Actual Torque - Motor A	0.000	Ft-Lbs

Actual Torque - Motor B	-0.092	Ft-Lbs
Commanded Torque - Motor A	0.000	Ft-Lbs
Available Regen Torque - Motor A	-93.658	Ft-Lbs
Motor B - Inverter Current - phase B	-4	AMP
Motor A - Inverter Current - phase B	0	AMP
Motor A - Inverter Current - phase A	0	AMP
Motor A - Inverter Current - phase C	0	AMP
Motor A Resolver Angle	100	Degree
Motor B Resolver Angle	302	Degree
Motor B - Inverter Current - phase A	0	AMP
Motor B - Inverter Current - phase C	-4	AMP
Outside Air Temperature	77.0	°F
Motor A Temp Sensor	90	°F
Commanded Torque - Motor B	0.000	Ft-Lbs
Motor B Temp Sensor	104	°F
HV Battery Voltage from BPCM	180.00	Volts
Inverter A IGBT Temperature for phase A	61	°F
Inverter A IGBT Temperature for phase B	59	°F
PIM DC Link Voltage - A	3	Volts
Electric Motor A Speed	0.5	rpm
Inverter A IGBT Temperature for phase C	59	°F
PIM DC Link Voltage - B	2	Volts
Inverter B IGBT Temperature for phase B	57	°F
Inverter B IGBT Temperature for phase C	59	°F
Inverter B IGBT Temperature for phase A	59	°F
Distance Travelled with Light ON	0	miles
GPS Date - Day	1	Days
Electric Motor B Speed	0.0	rpm
GPS Date - Year	0	Year
HV Battery Sleep Time	0	Days
Motor B Torque	-0.092	Ft-Lbs
UTC Time - Hours	0	Hours
UTC Time - Minutes	0	
Motor A Torque	0.000	Ft-Lbs
ECU Time - Milliseconds	131	ms
GPS Date - Month	1	
UTC Time - Seconds	2	seconds

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

NAME	VALUE	UNITS
DTC	95 6D 00	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Failed	False	

Test Failed This Operation Cycle	False	
Pending DTC	False	
Test Not Completed This Operation Cycle	False	
Confirmed DTC	True	
DTC Extended Data Record Number - All	01	
Occurrence flag	Occurrence	
Warning Indicator Requested	False	
Most Recent Odometer Value	875	miles
Frequency Counter	21	
Ignition Cycle Counter	87	
Original Odometer Value	20	miles

SNAPSHOT DATA SUMMARY

No Snapshot Data available for B10EB-00

No Snapshot Data available for B233C-00

No Snapshot Data available for U151A-87

No Snapshot Data available for C2225-00

RADIO | U3033-00 | Stored | Control Module Security Certificate Missing/Invalid-

Record 0

NAME	VALUE	UNITS
DTC	F0 33 00	
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Confirmed DTC	True	

Record 1

NAME	VALUE	UNITS
DTC	F0 33 00	
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Confirmed DTC	True	

No Snapshot Data available for P1A9E-00

No Snapshot Data available for P1A9A-00

No Snapshot Data available for P1AA2-00

No Snapshot Data available for P0513-00

No Snapshot Data available for P16F9-00

No Snapshot Data available for B156D-00