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VEHICLE SCAN REPORT

Vehicle 2022 CHRYSLER PACIFICA/VOYAGER 3.6L V6 HYBRID ENGINE
VIN 2C4RC1N77NF [REDACTED]

Odometer 9324.0 miles
Publication Date 9/7/2022 1:16:17 PM

ECU SUMMARY INFO

ECU	NAME	BUS TYPE	FLASH PART #	CURRENT VIN	ORIGINAL VIN	PART #
PCM	Powertrain Control Module	CAN-C	68526772AD	2C4RC1N77	2C4RC1N77N	68526772AD
PLGM	Power Liftgate	CAN-I	68466171AI	2C4RC1N77	—	68466171AI
ICS	Integrated Center Stack	CAN-I	7AS341X8AA	2C4RC1N77	2C4RC1N77N	7AS341X8AA
RFH	Radio Frequency Hub	CAN-C	68592117AA	2C4RC1N77	2C4RC1N77N	68592117AA
ESM	Electronic Shifter	CAN-C	68240089AN	2C4RC1N77	2C4RC1N77N	68240089AN
ORC	Occupant Restraint	CAN-C	68526665AB	2C4RC1N77	2C4RC1N77N	68526665AB
EPS	Electric Power Steering	CAN-C	68525339AA	2C4RC1N77	2C4RC1N77N	68525339AA
HVAC	Heat, Ventilation and A/C	CAN-I	52080480AB	2C4RC1N77	2C4RC1N77N	52080480AB
DDM	Driver Door Module	CAN-I	68569329AA	2C4RC1N77	2C4RC1N77N	68569329AA
PDM	Passenger Door Module	CAN-I	68569328AA	2C4RC1N77	2C4RC1N77N	68569328AA
DMRL	Door Module Rear Left	CAN-I	68508894AB	2C4RC1N77	2C4RC1N77N	68508894AB
DMRR	Door Module Rear Right	CAN-I	68508894AB	2C4RC1N77	2C4RC1N77N	68508894AB
PSDML	Power Sliding Doors (Left)	CAN-I	68369596AE	2C4RC1N77	2C4RC1N77N	68369596AE
PSDMR	Power Sliding Doors (Right)	CAN-I	68369596AE	2C4RC1N77	2C4RC1N77N	68369596AE
MSM	Memory Seat Module	CAN-I	68321862AD	2C4RC1N77	2C4RC1N77N	68321862AD
CSWM	Comfort Seat Wheel Module	CAN-I	68530192AB	2C4RC1N77	2C4RC1N77N	68530192AB
AMP	Amplifier	CAN-I	68547722AC	2C4RC1N77	2C4RC1N77N	68547722AC
IPC	Instrument Panel Cluster	CAN-C	68529064AB	2C4RC1N77	2C4RC1N77N	68529064AB
PTS	Parktronics	CAN-C	68485862AB	2C4RC1N77	2C4RC1N77N	68485862AB

SCCM	Steering Column Control Module	CAN-C	68531525AA	2C4RC1N77N	2C4RC1N77NR	68531525AA
BCM	Body Controller	CAN-C	68529663AD	2C4RC1N77N	2C4RC1N77NR	68529663AD
ACC	Adaptive Cruise Control	CAN-C	68540436AC	2C4RC1N77N	2C4RC1N77NR	68540436AC
RADIO	Radio	CAN-I	68526170AD	2C4RC1N77N	2C4RC1N77NR	68526170AD
OCM	Occupant Classification	CAN-C	68403127AA	2C4RC1N77N	2C4RC1N77NR	68403127AA
HVACR	Heat, Ventilation and A/C Rear	CAN-I	68373079AB	2C4RC1N77N	2C4RC1N77NR	68373079AB
LBSS	Left Blind Spot Sensor	CAN-I	04672786AC	2C4RC1N77N	2C4RC1N77NR	04672786AC
RBSS	Right Blind Spot Sensor	CAN-I	04672786AC	2C4RC1N77N	2C4RC1N77NR	04672786AC
FFCM	Forward Facing Camera Module	CAN-C	68551091AA	2C4RC1N77N	2C4RC1N77NR	68551091AA
EDM	External Disc Module	CAN-I	68446930AA	2C4RC1N77N	2C4RC1N77NR	68446930AA
BPCM	Battery Pack Control Module	CAN-C	05193186AB	2C4RC1N77N	2C4RC1N77NR	05193186AB
HCP	Hybrid Control Processor	CAN-C	68540977AH	2C4RC1N77N	2C4RC1N77NR	68540977AH
MSMP	Memory Seat Module - Passenger	CAN-I	68321862AD	2C4RC1N77N	2C4RC1N77NR	68321862AD
DSM	Display Screen Module	CAN-I	68437339AG	2C4RC1N77N	2C4RC1N77NR	68437339AG
VRM	Video Routing Module	CAN-I	68494731AG			68494731AG
RCCC	Rear Cabin Comfort Controls	CAN-I	6WL30DX9AA	2C4RC1N77N	2C4RC1N77NR	6WL30DX9AA
CVPM	Central vision processing module	CAN-I	56029958AB	2C4RC1N77N	2C4RC1N77NR	56029958AB
EAC	Electric A/C Compressor	CAN-C	68237995AG	2C4RC1N77N	2C4RC1N77NR	68237995AG
AHCP	Auxiliary Hybrid Control Processor	CAN-C	68540978AH	2C4RC1N77N	2C4RC1N77NR	68540978AH
EBBM	Electronic Brake Booster Module	CAN-C	68461813AB	2C4RC1N77N	2C4RC1N77NR	68461813AB
ABSO	Anti Lock Brakes OBD	CAN-C	68471122AD	2C4RC1N77N	2C4RC1N77NR	68471122AD
SGW	Security Gateway Module	CAN-C	68525871AB		2C4RC1N77NR	68525871AB
IDCM	Integrated Dual Charge Module	CAN-C	05185094AF	2C4RC1N77N	2C4RC1N77NR	05185094AF
TBM2	Telematic Box Module 2	CAN-C	68444865AH	2C4RC1N77N	2C4RC1N77NR	68444865AH

ECU SUMMARY INFO (CONT...)

ECU	COUNTRY CODE	HARDWARE VERSION	SOFTWARE VERSION	IDENT	SERIAL NUMBER	CVNS
PCM	USA	1B 47	78 02 00	4422		

PLGM	USA	0	5084	000200000034
ICS	USA	0F 0C 00	13 31 01	4700
RFH	USA / USA	10 17 00	15 22 00	4A00
ESM	USA / USA	13 02 00	14 23 FF	4402
ORC	USA / USA	14 06 00	14 12 00	4301
EPS	USA / USA	14 12 00	12 1E 01	4502
HVAC	USA	0E 09 00	15 08 01	4401
DDM	USA	11 07 00	14 2A 00	4202
PDM	USA	11 07 00	14 2A 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 32 13	4001
PSDMR	USA / USA	10 17 00	14 32 13	4001
MSM	USA	0F 2B 00	15 21 00	4101
CSWM	USA	11 2A 00	14 27 00	4320
AMP	USA	0F 06 01	15 31 02	4021
IPC	USA / USA	12 06 00	15 01 00	4705
PTS	USA	0E 32 00	15 05 00	4311
SCCM	USA	13 28 00	13 29 00	4301
BCM	USA	0D 11 00	15 20 90	4420
ACC	USA / USA	15 21 01	15 23 02	4400
RADIO		65	8629	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	15 08 00	4202
RBSS	USA / USA	11 30 02	15 08 00	4202
FFCM	USA / USA	11 06 00	15 0C 00	4102
EDM	USA	12 0A 00	11 08 00	4000
BPCM	Not programmed / COUNTRY_SNA	0E 03 00	15 19 00	4005
HCP	USA	11 1F 04	0F 2D 00	4006
MSMP	USA	0F 2B 00	15 21 00	4001
DSM	USA / USA	14 0C 00	15 2D 00	4300
VRM		2	8224	000200000002
RCCC	USA	0F 1D 00	13 04 00	4000
CVPM	USA / USA	11 27 01	14 2A 00	4004
EAC	USA	0E 34 00	12 0F 00	4102
AHCP	USA	11 1F 04	0F 2D 00	4000
EBBM	USA	0E 19 02	14 0D 18	4000
ABSO	USA	0E 15 02	14 1B 26	4201
SGW		6	1137	4103
IDCM	USA	14 2C 00	15 31 00	4000
TBM2	USA	13 0E 02	14 2A 5F	4104

DTC SUMMARY

ECU	DTC CODE	DTC DESCRIPTION	STATUS
MSM	B222D-00	ECU Unable To Configure/Configuration Not Learned-	Stored
IPC	B1612-00	Panel Illumination Control-	Active
RADIO	B222C-00		Active
BPCM	P0B37-00	High Voltage Service Disconnect Open-	Stored
BPCM	P1AE2-00	Battery Energy Control Module High Voltage System Interlock Circuit-	Stored
BPCM	P0A0A-00	High Voltage System Interlock Circuit "A"-	Stored
HCP	P0A0A-00	High Voltage System Interlock Circuit "A"-	Stored
HCP	P0A43-00	Drive Motor "A" Position Sensor Circuit Intermittent-	Stored
MSMP	B222D-00	ECU Unable To Configure/Configuration Not Learned-	Stored
ABSO	C2222-00	Improper Powerdown-	Active

ENVIRONMENTAL DATA SUMMARY

MSM | B222D-00 | Stored | ECU Unable To Configure/Configuration Not Learned-

NAME	VALUE	UNITS
DTC	A2 2D 00	
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number - All	01	
Occurrence flag	Occurrence	
Original Odometer Value	9306	miles
Most Recent Odometer Value	9306	miles
Frequency Counter	1	
Ignition Cycle Counter	2	
DTC Extended Data Record Number	14	
Calibration Version	03 09 00 01	
Front Hard Stop - Current	32984	Counts
Rear Hard Stop - Current	32203	Counts
Learned Seat Travel - Current	781	Counts
Default Seat travel length	780	Counts
Destandardization Reason	Diagnostics	
Front Hard Stop - Pre-destandardization	Not Learned	Counts
Rear Hard Stop - Pre-destandardization	Not Learned	Counts
Learned Seat Travel - Pre-destandardization	Not Learned	Counts
Front Hard Stop - Post-destandardization	32984	Counts
Rear Hard Stop - Post-destandardization	32203	Counts

Learned Seat Travel - Post-destandardization	781	Counts
ECU Voltage	2.223	Volts
Number of ECU hard resets since latest calibration	18	Counts
Vertical Front motor sensor - Short to ground	False	
Vertical Rear motor sensor - Short to ground	False	
Vertical Front motor sensor - Short to battery or open	False	
Vertical Rear motor sensor - Short to battery or open	False	
Horizontal motor sensor - Short to ground	False	
Horizontal motor sensor - Short to battery or open	False	
Recliner motor sensor - Short to ground	False	
Recliner motor sensor - Short to battery or open	False	
Position Horizontal Adjustment	32233	Counts
Position Vertical Rear	32842	Counts
Position Recliner	32215	Counts
Position Vertical Front	32800	Counts
Movement Direction - Horizontal Motor	Motor not moving	
Movement Direction - Recliner Motor	Motor not moving	
Movement Direction - Vertical Front Motor	Motor not moving	
Movement Direction - Vertical Rear Motor	Motor not moving	
ECU configuration - Vehicle Line	RU	
ECU configuration - Adjustable Pedals	False	
ECU configuration - Telescope/Tilt	False	
ECU configuration - Memory Seat	True	
ECU configuration - Stow n Assist	True	

IPC | B1612-00 | Active | Panel Illumination Control-

NAME	VALUE	UNITS
Test Failed	True	
Test Failed This Operation Cycle	True	
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	FF	
Occurrence flag	Error	
Original Odometer Value	9316	miles
Most Recent Odometer Value	9316	miles
Frequency Counter	1	
Ignition Cycle Counter	0	

No Environmental Data available for B222C-00

BPCM | P0B37-00 | Stored | High Voltage Service Disconnect Open-

NAME	VALUE	UNITS
Frequency Counter	1	
Ignition Cycle Counter	1	
FoM - for this DTC (lifetime fails)	16	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	14957970	seconds
Key in Ignition	Key_Def	
Key Position	Ign_Lock	
EPT -WakeUp	Sourced	
HCP Contactor Command	Impact Open	
Qualified Contactor Command - QCC	Open	
Verified Contactor Command - VCC	Invalid	
Contactor Status	Open	
Plug in Status	Not plugged in	
ChargingLevel	Plug in, but no charge	
Balance Mode	False	
Battery in Periodic wake up (Just battery) at time of Fault	False	
Battery in Periodic wake up (Wake up vehicle) at time of Fault	False	
Vehicle mileage at time of fault (ODO signal in \$3D2)	9323.97	miles
Battery Lifetime Miles	6750E6	miles
Vehicle Speed	0.0	MPH
System (12) Volts at time of fault	12.675	Volts
Battery Lifetime AmpHrs of Charge	0.0	AHr
Battery Lifetime AmpHrs of DisCharge	0.0	AHr
SOC at time of Fault	0.0	%
Power Up SOC at time of Fault	0.0	%
HVIL Status -Vehicle	Fail	
HVIL Status - Battery pack	Fail	
HVIL PWM Duty Cycle - Vehicle	0.0	%
HVIL PWM Frequency - Vehicle	0.0	Hz
HVIL PWM peak voltage Sourced - Vehicle	11.673	Volts
HVIL PWM peak voltage Sensed - Vehicle	0.374	Volts
HVIL Source Voltage- Battery	7.267	Volts
HVIL Returned current - Battery	0.30	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	0.00	Amps
HV Cooling Speed Pump 1 Target	0	rpm
HV Cooling Speed pump 1 Speed	0	rpm
Charge indicator Temp	84	°F
BPCM temperature max	-40	°F
BPCM temperature min	-40	°F
Pump - Wire Open\Short to Gnd	PASS	

Pump - Dry Run Detection	PASS	
Pump - Overcurrent	PASS	
Pump - Overtemperature	PASS	
Pump - Switch Power Shorted	PASS	
Isolation Circuitry Va	2.498	Volts
Isolation Circuitry Vb	2.501	Volts
Isolation Circuitry Vd	0.000	Volts
WC and Circuitry 2.5V Reference Voltage	2.500	Volts
WC and Circuitry Vcc Voltage	5.002	Volts
WC and CircuitryISO 8V Reference Voltage	7.941	Volts
WC and Circuitry Weld Contactor Sensor G (Pack Negative) Voltage	-0.6	Volts
Cycles left to self heal	40	No Unit
Fault trigger level 1	False	
Fault trigger level 2	False	
Fault trigger level 3	False	
Fault Path	01	
HV Battery Charge Power 2sec	0	watts
HV Battery Charge Power 10sec	0	watts
HV Battery Discharge Power 2sec	0	watts
HV Battery Discharge Power 10sec	0	watts
HV Battery Power	007530	watts
Key - DriveRdy (CAN)	False	
Battery Lifetime Number Of Closes	1876	
Battery Full AmpHr Capacity	0	AmpHrs
Cell Impedance Max Discharge	0	mOhms
Cell Impedance Mim Discharge	0	mOhms
Battery Cell Voltage Maximum	0	mV
Battery Cell Voltage Minimum	34464	mV
Battery Cell Voltage Average	3958	mV
Battery Cell Highest Cell number	00	
Battery Cell Lowest Cell number	00	
HV Battery Voltage (cell sum)	0.00	Volts
HV Battery Voltage (Module Sum)	0.00	Volts
HV Sensor A Pack Voltage	1.30	Volts
HV Sensor B Bus\Link (Pre-Fuse) Voltage	0.70	Volts
HV Sensor C OBCM (HVOBC Fuse) Voltage	0.70	Volts
HV Sensor D Heater (HVHTR Fuse) Voltage	0.70	Volts
HV Sensor G Weld Contactor(Pack Negative) Voltage	-0.6	Volts
Battery Temperature Maximum Module	-40	°F
Battery Temperature Minimum Module	-40	°F
Battery Temperature Average Module	-40	°F
Battery Temperature Highest Sensor number	01	
Battery Temperature Lowest Sensor number	01	
Battery Temperature Number of Failing Sensors	12	

HV Cooling Pump Relay Drive	Not Sourced	
HV Cooling Battery coolant inlet temp	86	°F
HV Cooling Battery coolant outlet temp	86	°F
HV Cooling OBCM temp inlet Temp	93	°F
Pump - Battery Coolant Level Low	False	
Isolation Vehicle Diagnostic Status	Run and Passed	
Isolation Vehicle Impedance	7.6223	Mega Ohms
Isolation Battery Diagnostic Status	Run and Passed	
Isolation Battery Impedance	0.8480	Mega Ohms
HV Bat SOH-R	0.0	%
HV Bat SOH-C	0.0	%
BPCM Sec Asic Reset Req	Not Active	
BPCM Sec QA Error Counter	0	cnts
BPCM Sec MM Hw Reset Error Counter	0	cnts
BPCM Sec Asic Fault Input	Not Active	
BPCM Sec CC Path Test Active	Not Active	
BPCM L2 General Monitoring Flt Rsn	L2L1_CELL_MAX_V_CMP_FLT	
BPCM L2 CC Path Test Req	Undetermined	
BPCM L2 Contactor Dslb Req	Undetermined	
BPCM L2 ASIC Diagnostic Flt Rsn	ADCTest	
BPCM Sec HW Timer Status	Not Active	
BPCM Sec Contactor State	Open	
BPCM Main HW Timer Status	Not Active	
BPCM Sec Asic Fault State	Undefined	
BPCM L2 SM Hw Reset Error Counter	0	No Unit
Engine Speed	0	rpm
Accelerator position	0.0	%
Real time clock	429496.7295	seconds
Real time clock-OS Task Delay Timer	0	
Real Time Clock Validity	True	
DTC	0B 37 00	
Test Failed	False	
Test Failed This Operation Cycle	True	
Pending DTC	True	
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	9316	miles
Most Recent Odometer Value	9316	miles
DTC Extended Data Record Number - 2	2A	

BPCM | P1AE2-00 | Stored | Battery Energy Control Module High Voltage System Interlock Circuit-

NAME	VALUE	UNITS
Frequency Counter	1	
Ignition Cycle Counter	1	
FoM - for this DTC (lifetime fails)	16	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	14957970	seconds
Key in Ignition	Key_Def	
Key Position	Ign_Lock	
EPT -WakeUp	Sourced	
HCP Contactor Command	Impact Open	
Qualified Contactor Command - QCC	Open	
Verified Contactor Command - VCC	Invalid	
Contactor Status	Open	
Plug in Status	Not plugged in	
ChargingLevel	Plug in, but no charge	
Balance Mode	False	
Battery in Periodic wake up (Just battery) at time of Fault	False	
Battery in Periodic wake up (Wake up vehicle) at time of Fault	False	
Vehicle mileage at time of fault (ODO signal in \$3D2)	9323.97	miles
Battery Lifetime Miles	6750E6	miles
Vehicle Speed	0.0	MPH
System (12) Volts at time of fault	12.698	Volts
Battery Lifetime AmpHrs of Charge	0.0	AHr
Battery Lifetime AmpHrs of DisCharge	0.0	AHr
SOC at time of Fault	0.0	%
Power Up SOC at time of Fault	0.0	%
HVIL Status -Vehicle	Not Sourced	
HVIL Status - Battery pack	Not Sourced	
HVIL PWM Duty Cycle - Vehicle	0.0	%
HVIL PWM Frequency - Vehicle	0.0	Hz
HVIL PWM peak voltage Sourced - Vehicle	11.634	Volts
HVIL PWM peak voltage Sensed - Vehicle	0.416	Volts
HVIL Source Voltage- Battery	7.267	Volts
HVIL Returned current - Battery	0.30	mA
HV Battery Current Sensor 1 Hall High	-1.05	Amps
HV Battery Current Sensor 2 Hall Low	0.00	Amps
HV Battery Current HVBatCrnt	0.00	Amps
HV Cooling Speed Pump 1 Target	725	rpm
HV Cooling Speed pump 1 Speed	725	rpm
Charge indicator Temp	84	°F
BPCM temperature max	-40	°F
BPCM temperature min	-40	°F

Pump - Wire Open\Short to Gnd	PASS	
Pump - Dry Run Detection	PASS	
Pump - Overcurrent	PASS	
Pump - Overtemperature	PASS	
Pump - Switch Power Shorted	PASS	
Isolation Circuitry Va	2.498	Volts
Isolation Circuitry Vb	2.501	Volts
Isolation Circuitry Vd	0.000	Volts
WC and Circuitry 2.5V Reference Voltage	2.500	Volts
WC and Circuitry Vcc Voltage	5.004	Volts
WC and CircuitryISO 8V Reference Voltage	7.941	Volts
WC and Circuitry Weld Contactor Sensor G (Pack Negative) Voltage	-0.8	Volts
Cycles left to self heal	40	No Unit
Fault trigger level 1	False	
Fault trigger level 2	False	
Fault trigger level 3	False	
Fault Path	01	
HV Battery Charge Power 2sec	0	watts
HV Battery Charge Power 10sec	0	watts
HV Battery Discharge Power 2sec	0	watts
HV Battery Discharge Power 10sec	0	watts
HV Battery Power	007530	watts
Key - DriveRdy (CAN)	False	
Battery Lifetime Number Of Closes	1876	
Battery Full AmpHr Capacity	0	AmpHrs
Cell Impedance Max Discharge	0	mOhms
Cell Impedance Mim Discharge	0	mOhms
Battery Cell Voltage Maximum	0	mV
Battery Cell Voltage Minimum	34464	mV
Battery Cell Voltage Average	3958	mV
Battery Cell Highest Cell number	00	
Battery Cell Lowest Cell number	00	
HV Battery Voltage (cell sum)	0.00	Volts
HV Battery Voltage (Module Sum)	0.00	Volts
HV Sensor A Pack Voltage	1.30	Volts
HV Sensor B Bus\Link (Pre-Fuse) Voltage	0.70	Volts
HV Sensor C OBCM (HVOBC Fuse) Voltage	0.70	Volts
HV Sensor D Heater (HVHTR Fuse) Voltage	0.70	Volts
HV Sensor G Weld Contactor(Pack Negative) Voltage	-0.8	Volts
Battery Temperature Maximum Module	-40	°F
Battery Temperature Minimum Module	-40	°F
Battery Temperature Average Module	-40	°F
Battery Temperature Highest Sensor number	01	
Battery Temperature Lowest Sensor number	01	

Battery Temperature Number of Failing Sensors	12	
HV Cooling Pump Relay Drive	Not Sourced	
HV Cooling Battery coolant inlet temp	86	°F
HV Cooling Battery coolant outlet temp	86	°F
HV Cooling OBCM temp inlet Temp	93	°F
Pump - Battery Coolant Level Low	False	
Isolation Vehicle Diagnostic Status	Run and Passed	
Isolation Vehicle Impedance	7.6223	Mega Ohms
Isolation Battery Diagnostic Status	Run and Passed	
Isolation Battery Impedance	0.8480	Mega Ohms
HV Bat SOH-R	0.0	%
HV Bat SOH-C	0.0	%
BPCM Sec Asic Reset Req	Not Active	
BPCM Sec QA Error Counter	0	cnts
BPCM Sec MM Hw Reset Error Counter	0	cnts
BPCM Sec Asic Fault Input	Active	
BPCM Sec CC Path Test Active	Not Active	
BPCM L2 General Monitoring Flt Rsn	L2L1_CELL_MAX_V_CMP_FLT	
BPCM L2 CC Path Test Req	Undetermined	
BPCM L2 Contactor Dslb Req	Undetermined	
BPCM L2 ASIC Diagnostic Flt Rsn	ADCTest	
BPCM Sec HW Timer Status	Not Active	
BPCM Sec Contactor State	Open	
BPCM Main HW Timer Status	Not Active	
BPCM Sec Asic Fault State	Undefined	
BPCM L2 SM Hw Reset Error Counter	0	No Unit
Engine Speed	0	rpm
Accelerator position	0.0	%
Real time clock	429496.7295	seconds
Real time clock-OS Task Delay Timer	0	
Real Time Clock Validity	True	
DTC	1A E2 00	
Test Failed	False	
Test Failed This Operation Cycle	True	
Pending DTC	True	
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	9316	miles
Most Recent Odometer Value	9316	miles

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

NAME	VALUE	UNITS
Frequency Counter	1	
Ignition Cycle Counter	1	
FoM - for this DTC (lifetime fails)	16	events
FoM - for this DTC (lifetime fails counts on pass)	10.4000	seconds
FoM - for this DTC (lifetime longest fail on pass)	0.100	seconds
Battery Total Time Awake	14957970	seconds
Key in Ignition	Key_Def	
Key Position	Ign_Lock	
EPT -WakeUp	Sourced	
HCP Contactor Command	Impact Open	
Qualified Contactor Command - QCC	Open	
Verified Contactor Command - VCC	Invalid	
Contactor Status	Open	
Plug in Status	Not plugged in	
ChargingLevel	Plug in, but no charge	
Balance Mode	False	
Battery in Periodic wake up (Just battery) at time of Fault	False	
Battery in Periodic wake up (Wake up vehicle) at time of Fault	False	
Vehicle mileage at time of fault (ODO signal in \$3D2)	9323.97	miles
Battery Lifetime Miles	6750E6	miles
Vehicle Speed	0.0	MPH
System (12) Volts at time of fault	12.698	Volts
Battery Lifetime AmpHrs of Charge	0.0	AHr
Battery Lifetime AmpHrs of DisCharge	0.0	AHr
SOC at time of Fault	0.0	%
Power Up SOC at time of Fault	0.0	%
HVIL Status -Vehicle	Not Sourced	
HVIL Status - Battery pack	Not Sourced	
HVIL PWM Duty Cycle - Vehicle	0.0	%
HVIL PWM Frequency - Vehicle	0.0	Hz
HVIL PWM peak voltage Sourced - Vehicle	11.634	Volts
HVIL PWM peak voltage Sensed - Vehicle	0.416	Volts
HVIL Source Voltage- Battery	7.267	Volts
HVIL Returned current - Battery	0.30	mA
HV Battery Current Sensor 1 Hall High	-1.05	Amps
HV Battery Current Sensor 2 Hall Low	0.00	Amps
HV Battery Current HVBatCrnt	0.00	Amps
HV Cooling Speed Pump 1 Target	725	rpm
HV Cooling Speed pump 1 Speed	725	rpm
Charge indicator Temp	84	°F

BPCM temperature max	-40	°F
BPCM temperature min	-40	°F
Pump - Wire Open\Short to Gnd	PASS	
Pump - Dry Run Detection	PASS	
Pump - Overcurrent	PASS	
Pump - Overtemperature	PASS	
Pump - Switch Power Shorted	PASS	
Isolation Circuitry Va	2.498	Volts
Isolation Circuitry Vb	2.501	Volts
Isolation Circuitry Vd	0.000	Volts
WC and Circuitry 2.5V Reference Voltage	2.500	Volts
WC and Circuitry Vcc Voltage	5.004	Volts
WC and CircuitryISO 8V Reference Voltage	7.941	Volts
WC and Circuitry Weld Contactor Sensor G (Pack Negative) Voltage	-0.8	Volts
Cycles left to self heal	40	No Unit
Fault trigger level 1	False	
Fault trigger level 2	False	
Fault trigger level 3	False	
Fault Path	01	
HV Battery Charge Power 2sec	0	watts
HV Battery Charge Power 10sec	0	watts
HV Battery Discharge Power 2sec	0	watts
HV Battery Discharge Power 10sec	0	watts
HV Battery Power	007530	watts
Key - DriveRdy (CAN)	False	
Battery Lifetime Number Of Closes	1876	
Battery Full AmpHr Capacity	0	AmpHrs
Cell Impedance Max Discharge	0	mOhms
Cell Impedance Mim Discharge	0	mOhms
Battery Cell Voltage Maximum	0	mV
Battery Cell Voltage Minimum	34464	mV
Battery Cell Voltage Average	3958	mV
Battery Cell Highest Cell number	00	
Battery Cell Lowest Cell number	00	
HV Battery Voltage (cell sum)	0.00	Volts
HV Battery Voltage (Module Sum)	0.00	Volts
HV Sensor A Pack Voltage	1.30	Volts
HV Sensor B Bus\Link (Pre-Fuse) Voltage	0.70	Volts
HV Sensor C OBCM (HVOBC Fuse) Voltage	0.70	Volts
HV Sensor D Heater (HVHTR Fuse) Voltage	0.70	Volts
HV Sensor G Weld Contactor(Pack Negative) Voltage	-0.8	Volts
Battery Temperature Maximum Module	-40	°F
Battery Temperature Minimum Module	-40	°F
Battery Temperature Average Module	-40	°F

Battery Temperature Highest Sensor number	01	
Battery Temperature Lowest Sensor number	01	
Battery Temperature Number of Failing Sensors	12	
HV Cooling Pump Relay Drive	Not Sourced	
HV Cooling Battery coolant inlet temp	86	°F
HV Cooling Battery coolant outlet temp	86	°F
HV Cooling OBCM temp inlet Temp	93	°F
Pump - Battery Coolant Level Low	False	
Isolation Vehicle Diagnostic Status	Run and Passed	
Isolation Vehicle Impedance	7.6223	Mega Ohms
Isolation Battery Diagnostic Status	Run and Passed	
Isolation Battery Impedance	0.8480	Mega Ohms
HV Bat SOH-R	0.0	%
HV Bat SOH-C	0.0	%
BPCM Sec Asic Reset Req	Not Active	
BPCM Sec QA Error Counter	0	cnts
BPCM Sec MM Hw Reset Error Counter	0	cnts
BPCM Sec Asic Fault Input	Active	
BPCM Sec CC Path Test Active	Not Active	
BPCM L2 General Monitoring Flt Rsn	L2L1_CELL_MAX_V_CMP_FLT	
BPCM L2 CC Path Test Req	Undetermined	
BPCM L2 Contactor Dslb Req	Undetermined	
BPCM L2 ASIC Diagnostic Flt Rsn	ADCTest	
BPCM Sec HW Timer Status	Not Active	
BPCM Sec Contactor State	Open	
BPCM Main HW Timer Status	Not Active	
BPCM Sec Asic Fault State	Undefined	
BPCM L2 SM Hw Reset Error Counter	0	No Unit
Engine Speed	0	rpm
Accelerator position	0.0	%
Real time clock	429496.7295	seconds
Real time clock-OS Task Delay Timer	0	
Real Time Clock Validity	True	
DTC	0A 0A 00	
Test Failed	False	
Test Failed This Operation Cycle	True	
Pending DTC	True	
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	9316	miles
Most Recent Odometer Value	9316	miles
DTC Extended Data Record Number - 2	04	

HCP | POA0A-00 | Stored | High Voltage System Interlock Circuit "A"-

NAME	VALUE	UNITS
DTC	0A 0A 00	
Test Failed	False	
Test Failed This Operation Cycle	True	
Pending DTC	True	
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	9324.0	miles
Most Recent Odometer Value	9324.0	miles
Frequency Counter	1	
Ignition Cycle Counter	0	
Real time clock	14957972	sec
RAM stamps keyOn	0	sec
RAM Stamps	71226	Min
Accelerator Pedal Position	0	%
Brake Switch Status	Not Applied	
Engine Speed	0	rpm
HV Battery SOC	69	%
Ignition State	Ignition Lock	
PRND Position Display	P	
Propulsion System Active	False	
Vehicle Speed	0.0000	MPH
Motor A Temp Sensor	106	°F
Motor B Temp Sensor	108	°F
Barometric Pressure	15	PSI
Engine Coolant Temperature	176	°F
Internal EPS Voltage Sense A	0.000	Volts
Internal EPS Voltage Sense B	0.000	Volts
Motor A Torque	0.000	Ft-Lbs
Motor B Torque	0.000	Ft-Lbs
Actual Torque - Motor A	0.000	Ft-Lbs
Actual Torque - Motor B	0.000	Ft-Lbs
Available Motor Torque - Motor A	43.603	Ft-Lbs
Available Motor Torque - Motor B	116.150	Ft-Lbs
Available Regen Torque - Motor A	-43.603	Ft-Lbs

Available Regen Torque - Motor B	-116.150	Ft-Lbs
Commanded Torque - Motor A	0.000	Ft-Lbs
Commanded Torque - Motor B	0.000	Ft-Lbs
Motor A - Inverter Current - phase A	0	AMP
Motor A - Inverter Current - phase B	0	AMP
Motor A - Inverter Current - phase C	0	AMP
Motor B - Inverter Current - phase A	0	AMP
Motor B - Inverter Current - phase B	-4	AMP
Motor B - Inverter Current - phase C	0	AMP
Motor B Resolver Angle	204	Degree
Motor A Resolver Angle	306	Degree
Electric Motor A Speed	0.0	rpm
Electric Motor B Speed	0.5	rpm
PIM DC Link Voltage - A	4	Volts
PIM DC Link Voltage - B	5	Volts
HCP ePT Wake-Up Output	On	
CBC Wake-Up Input	Off	
HCP System Shutdown Command	Default	
HV Battery Voltage from BPCM	180.00	Volts
SW Build Release Version	PIM_21C_2107B0_RU_HCP___	
HCP SW Version	21C	
EPT LOC Diag Enable	Disable LOC Daignostic	
HV Contactor Status	Open	
APM Status	Idle	
Impact Event	False	
Outside Air Temperature	88.7	°F
OBCM Operating Mode	UTC	
J1772 Prox Detected State	Prox Out	
HV Battery Sleep Time	0	Days
Battery Feed Voltage 1 Sense	12.384	Volts
Battery Feed Voltage 2 Sense	12.384	Volts
Battery Feed Voltage 3 Sense	12.384	Volts
Hybrid System State	Power Up	
Inverter A IGBT Temperature for phase A	100	°F
Inverter A IGBT Temperature for phase B	99	°F
Inverter A IGBT Temperature for phase C	100	°F
Inverter B IGBT Temperature for phase A	100	°F
Inverter B IGBT Temperature for phase B	100	°F
Inverter B IGBT Temperature for phase C	100	°F
PHEV Charging Status	No Charging	
Distance Travelled with Light ON	0	miles
GPS Date - Year	0	Year
GPS Date - Month	1	
GPS Date - Day	1	Days

UTC Time - Hours	0	Hours
UTC Time - Minutes	0	
UTC Time - Seconds	2	seconds
ECU Time - Milliseconds	500	ms

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	9114.4	miles
Most Recent Odometer Value	9205.1	miles
Frequency Counter	3	
Ignition Cycle Counter	6	
Real time clock	14774212	sec
RAM stamps keyOn	375	sec
RAM Stamps	70640	Min
Accelerator Pedal Position	0	%
Brake Switch Status	Not Applied	
PHEV Charging Status	No Charging	
Engine Speed	0	rpm
HV Battery SOC	32	%
Ignition State	Reserved	
PRND Position Display	N	
Propulsion System Active	False	
Vehicle Speed	77.2782	MPH
Motor A Temp Sensor	106	°F
Motor B Temp Sensor	104	°F
Barometric Pressure	14	PSI
Engine Coolant Temperature	144	°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	2.40	Degree
Motor B Resolver Angle Offset	2.80	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	14.760	Volts
Internal EPS Voltage Sense A	8.208	Volts
Internal EPS Voltage Sense B	8.064	Volts
Actual Torque - Motor A	0.000	Ft-Lbs
Actual Torque - Motor B	-4.056	Ft-Lbs
Available Motor Torque - Motor A	0.000	Ft-Lbs
Available Motor Torque - Motor B	79.001	Ft-Lbs
Available Regen Torque - Motor A	0.000	Ft-Lbs
Available Regen Torque - Motor B	-79.001	Ft-Lbs
Commanded Torque - Motor A	0.000	Ft-Lbs
Commanded Torque - Motor B	0.000	Ft-Lbs
Electric Motor A Speed	-10428.5	rpm
Electric Motor B Speed	8462.5	rpm
Battery Feed Voltage 1 Sense	14.688	Volts
Battery Feed Voltage 3 Sense	14.544	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	40	AMP
Motor B - Inverter Current - phase B	-8	AMP
Motor B - Inverter Current - phase C	-36	AMP
Outside Air Temperature	68.0	°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	340.90	Volts
PIM DC Link Voltage - A	341	Volts
PIM DC Link Voltage - B	342	Volts
Inverter A IGBT Temperature for phase A	77	°F
Inverter A IGBT Temperature for phase B	75	°F
Inverter A IGBT Temperature for phase C	75	°F
Inverter B IGBT Temperature for phase A	75	°F
Inverter B IGBT Temperature for phase B	75	°F
Inverter B IGBT Temperature for phase C	77	°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	-4.056	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	9	
GPS Date - Day	5	Days
UTC Time - Hours	12	Hours
UTC Time - Minutes	33	
UTC Time - Seconds	1	seconds
ECU Time - Milliseconds	275	ms

MSMP | B222D-00 | Stored | ECU Unable To Configure/Configuration Not Learned-

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	
DTC Extended Data Record Number - All	01	
Occurrence flag	Occurrence	
Original Odometer Value	9306	miles
Most Recent Odometer Value	9306	miles
Frequency Counter	1	
Ignition Cycle Counter	2	

ABSO | C2222-00 | Active | Improper Powerdown-

NAME	VALUE	UNITS
DTC	62 22 00	
Test Failed	True	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	False	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	True	
Occurrence flag	Error	
Controller Event	No	
Mirror Memory	No	
Undervoltage Suspected	No	

Original Odometer Value	0	miles
Most Recent Odometer Value	0	miles
Frequency Counter	1	
Ignition Cycle Counter	0	
Fault Time	0.00	S
Current System Mode	CAN active	
Previous System Mode	CAN active	
System Condition	OK	
Supply Voltage Valves	12.3	V
Brake Pedal Status	Released	
Supply voltage Pump	10.0	V
Brake Pedal Travel Sensor Position	0	%
Ignition Unfiltered	0.0	V
Wheel Speed Left Front	0.000	MPH
Rotation Direction Left Front	Forward	
Wheel Speed Right Front	0.000	MPH
Rotation Direction Right Front	Forward	
Wheel Speed Left Rear	0.000	MPH
Rotation Direction Left Rear	Forward	
Wheel Speed Right Rear	0.000	MPH
Rotation Direction Right Rear	Forward	
Steering Wheel Angle	0.00	°
Longitudinal Acceleration	0.00	m/s ²
Lateral Acceleration	0.00	m/s ²
Yaw Rate	0.000	°/s
Primary Circuit Pressure	0.00	PSI
Engine Speed	0.0	rpm
Accelerator Pedal Position	0.0	%
ABS control	Not Active	
ASR control	Not Active	
MSR control	Not Active	
EBV control	Not Active	
ESP Control	Not Active	
HSA control	Not Active	
HBA control	Not Active	
Hold	No	
Braking assistance system	No assistance system is braking	
Plant Mode	No	
EPB Mode Status	Limp Home	
BLS High	No	
BLS Low	Yes	
Park Brake	Not Activated	
ESP-OFF mode	No	
Clutch	Not Activated	

Stop Coordinator Active	No	
Actual Gear	N	
Transmission selector lever setting	P	
Status Parking Brake Left	Brake is in an Unknown State	
Status Parking Brake Right	Brake is in an Unknown State	
EPB Switch Status	Idle	
Supplier Internal Code	140	

SNAPSHOT DATA SUMMARY

No Snapshot Data available for B222D-00

No Snapshot Data available for B1612-00

No Snapshot Data available for B222C-00

No Snapshot Data available for P0B37-00

No Snapshot Data available for P1AE2-00

No Snapshot Data available for P0A0A-00

No Snapshot Data available for P0A0A-00

No Snapshot Data available for P0A43-00

No Snapshot Data available for B222D-00

No Snapshot Data available for C2222-00



VEHICLE SCAN REPORT

Vehicle 2022 CHRYSLER PACIFICA/VOYAGER 3.6L V6 HYBRID ENGINE
VIN 2C4RC1N77NF [REDACTED]

Odometer 9324.0 miles
Publication Date 9/7/2022 1:16:17 PM

ECU SUMMARY INFO

ECU	NAME	BUS TYPE	FLASH PART #	CURRENT VI	ORIGINAL VIN	PART #
PCM	Powertrain Control Module	CAN-C	68526772AD	2C4RC1N77N	2C4RC1N77NF [REDACTED]	68526772AD
PLGM	Power Liftgate	CAN-I	68466171AI	2C4RC1N77N	—	68466171AI
ICS	Integrated Center Stack	CAN-I	7AS341X8AA	2C4RC1N77N	2C4RC1N77NF [REDACTED]	7AS341X8AA
RFH	Radio Frequency Hub	CAN-C	68592117AA	2C4RC1N77N	2C4RC1N77NF [REDACTED]	68592117AA
ESM	Electronic Shifter	CAN-C	68240089AN	2C4RC1N77N	2C4RC1N77NF [REDACTED]	68240089AN
ORC	Occupant Restraint	CAN-C	68526665AB	2C4RC1N77N	2C4RC1N77NF [REDACTED]	68526665AB
EPS	Electric Power Steering	CAN-C	68525339AA	2C4RC1N77N	2C4RC1N77NF [REDACTED]	68525339AA
HVAC	Heat, Ventilation and A/C	CAN-I	52080480AB	2C4RC1N77N	2C4RC1N77NF [REDACTED]	52080480AB
DDM	Driver Door Module	CAN-I	68569329AA	2C4RC1N77N	2C4RC1N77NF [REDACTED]	68569329AA
PDM	Passenger Door Module	CAN-I	68569328AA	2C4RC1N77N	2C4RC1N77NF [REDACTED]	68569328AA
DMRL	Door Module Rear Left	CAN-I	68508894AB	2C4RC1N77N	2C4RC1N77NF [REDACTED]	68508894AB
DMRR	Door Module Rear Right	CAN-I	68508894AB	2C4RC1N77N	2C4RC1N77NF [REDACTED]	68508894AB
PSDML	Power Sliding Doors (Left)	CAN-I	68369596AE	2C4RC1N77N	2C4RC1N77NF [REDACTED]	68369596AE
PSDMR	Power Sliding Doors (Right)	CAN-I	68369596AE	2C4RC1N77N	2C4RC1N77NF [REDACTED]	68369596AE
MSM	Memory Seat Module	CAN-I	68321862AD	2C4RC1N77N	2C4RC1N77NF [REDACTED]	68321862AD
CSWM	Comfort Seat Wheel Module	CAN-I	68530192AB	2C4RC1N77N	2C4RC1N77NF [REDACTED]	68530192AB
AMP	Amplifier	CAN-I	68547722AC	2C4RC1N77N	2C4RC1N77NF [REDACTED]	68547722AC
IPC	Instrument Panel Cluster	CAN-C	68529064AB	2C4RC1N77N	2C4RC1N77NF [REDACTED]	68529064AB
PTS	Parktronics	CAN-C	68485862AB	2C4RC1N77N	2C4RC1N77NF [REDACTED]	68485862AB

SCCM	Steering Column Control Module	CAN-C	68531525AA	2C4RC1N77NR	2C4RC1N77NR	68531525AA
BCM	Body Controller	CAN-C	68529663AD	2C4RC1N77NR	2C4RC1N77NR	68529663AD
ACC	Adaptive Cruise Control	CAN-C	68540436AC	2C4RC1N77NR	2C4RC1N77NR	68540436AC
RADIO	Radio	CAN-I	68526170AD	2C4RC1N77NR	2C4RC1N77NR	68526170AD
OCM	Occupant Classification	CAN-C	68403127AA	2C4RC1N77NR	2C4RC1N77NR	68403127AA
HVACR	Heat, Ventilation and A/C Rear	CAN-I	68373079AB	2C4RC1N77NR	2C4RC1N77NR	68373079AB
LBSS	Left Blind Spot Sensor	CAN-I	04672786AC	2C4RC1N77NR	2C4RC1N77NR	04672786AC
RBSS	Right Blind Spot Sensor	CAN-I	04672786AC	2C4RC1N77NR	2C4RC1N77NR	04672786AC
FFCM	Forward Facing Camera Module	CAN-C	68551091AA	2C4RC1N77NR	2C4RC1N77NR	68551091AA
EDM	External Disc Module	CAN-I	68446930AA	2C4RC1N77NR	2C4RC1N77NR	68446930AA
BPCM	Battery Pack Control Module	CAN-C	05193186AB	2C4RC1N77NR	2C4RC1N77NR	05193186AB
HCP	Hybrid Control Processor	CAN-C	68540977AH	2C4RC1N77NR	2C4RC1N77NR	68540977AH
MSMP	Memory Seat Module - Passenger	CAN-I	68321862AD	2C4RC1N77NR	2C4RC1N77NR	68321862AD
DSM	Display Screen Module	CAN-I	68437339AG	2C4RC1N77NR	2C4RC1N77NR	68437339AG
VRM	Video Routing Module	CAN-I	68494731AG			68494731AG
RCCC	Rear Cabin Comfort Controls	CAN-I	6WL30DX9AA	2C4RC1N77NR	2C4RC1N77NR	6WL30DX9AA
CVPM	Central vision processing module	CAN-I	56029958AB	2C4RC1N77NR	2C4RC1N77NR	56029958AB
EAC	Electric A/C Compressor	CAN-C	68237995AG	2C4RC1N77NR	2C4RC1N77NR	68237995AG
AHCP	Auxiliary Hybrid Control Processor	CAN-C	68540978AH	2C4RC1N77NR	2C4RC1N77NR	68540978AH
EBBM	Electronic Brake Booster Module	CAN-C	68461813AB	2C4RC1N77NR	2C4RC1N77NR	68461813AB
ABSO	Anti Lock Brakes OBD	CAN-C	68471122AD	2C4RC1N77NR	2C4RC1N77NR	68471122AD
SGW	Security Gateway Module	CAN-C	68525871AB		2C4RC1N77NR	68525871AB
IDCM	Integrated Dual Charge Module	CAN-C	05185094AF	2C4RC1N77NR	2C4RC1N77NR	05185094AF
TBM2	Telematic Box Module 2	CAN-C	68444865AH	2C4RC1N77NR	2C4RC1N77NR	68444865AH

ECU SUMMARY INFO (CONT...)

ECU	COUNTRY CODE	HARDWARE VERSION	SOFTWARE VERSION	IDENT	SERIAL NUMBER	CVNS
PCM	USA	1B 47	78 02 00	4422		

PLGM	USA	0	5084	000200000034
ICS	USA	0F 0C 00	13 31 01	4700
RFH	USA / USA	10 17 00	15 22 00	4A00
ESM	USA / USA	13 02 00	14 23 FF	4402
ORC	USA / USA	14 06 00	14 12 00	4301
EPS	USA / USA	14 12 00	12 1E 01	4502
HVAC	USA	0E 09 00	15 08 01	4401
DDM	USA	11 07 00	14 2A 00	4202
PDM	USA	11 07 00	14 2A 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 32 13	4001
PSDMR	USA / USA	10 17 00	14 32 13	4001
MSM	USA	0F 2B 00	15 21 00	4101
CSWM	USA	11 2A 00	14 27 00	4320
AMP	USA	0F 06 01	15 31 02	4021
IPC	USA / USA	12 06 00	15 01 00	4705
PTS	USA	0E 32 00	15 05 00	4311
SCCM	USA	13 28 00	13 29 00	4301
BCM	USA	0D 11 00	15 20 90	4420
ACC	USA / USA	15 21 01	15 23 02	4400
RADIO		65	8629	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	15 08 00	4202
RBSS	USA / USA	11 30 02	15 08 00	4202
FFCM	USA / USA	11 06 00	15 0C 00	4102
EDM	USA	12 0A 00	11 08 00	4000
BPCM	Not programmed / COUNTRY_SNA	0E 03 00	15 19 00	4005
HCP	USA	11 1F 04	0F 2D 00	4006
MSMP	USA	0F 2B 00	15 21 00	4001
DSM	USA / USA	14 0C 00	15 2D 00	4300
VRM		2	8224	000200000002
RCCC	USA	0F 1D 00	13 04 00	4000
CVPM	USA / USA	11 27 01	14 2A 00	4004
EAC	USA	0E 34 00	12 0F 00	4102
AHCP	USA	11 1F 04	0F 2D 00	4000
EBBM	USA	0E 19 02	14 0D 18	4000
ABSO	USA	0E 15 02	14 1B 26	4201
SGW		6	1137	4103
IDCM	USA	14 2C 00	15 31 00	4000
TBM2	USA	13 0E 02	14 2A 5F	4104

DTC SUMMARY

ECU	DTC CODE	DTC DESCRIPTION	STATUS
MSM	B222D-00	ECU Unable To Configure/Configuration Not Learned-	Stored
IPC	B1612-00	Panel Illumination Control-	Active
RADIO	B222C-00		Active
BPCM	P0B37-00	High Voltage Service Disconnect Open-	Stored
BPCM	P1AE2-00	Battery Energy Control Module High Voltage System Interlock Circuit-	Stored
BPCM	P0A0A-00	High Voltage System Interlock Circuit "A"-	Stored
HCP	P0A0A-00	High Voltage System Interlock Circuit "A"-	Stored
HCP	P0A43-00	Drive Motor "A" Position Sensor Circuit Intermittent-	Stored
MSMP	B222D-00	ECU Unable To Configure/Configuration Not Learned-	Stored
ABSO	C2222-00	Improper Powerdown-	Active

ENVIRONMENTAL DATA SUMMARY

MSM | B222D-00 | Stored | ECU Unable To Configure/Configuration Not Learned-

NAME	VALUE	UNITS
DTC	A2 2D 00	
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number - All	01	
Occurrence flag	Occurrence	
Original Odometer Value	9306	miles
Most Recent Odometer Value	9306	miles
Frequency Counter	1	
Ignition Cycle Counter	2	
DTC Extended Data Record Number	14	
Calibration Version	03 09 00 01	
Front Hard Stop - Current	32984	Counts
Rear Hard Stop - Current	32203	Counts
Learned Seat Travel - Current	781	Counts
Default Seat travel length	780	Counts
Destandardization Reason	Diagnostics	
Front Hard Stop - Pre-destandardization	Not Learned	Counts
Rear Hard Stop - Pre-destandardization	Not Learned	Counts
Learned Seat Travel - Pre-destandardization	Not Learned	Counts
Front Hard Stop - Post-destandardization	32984	Counts
Rear Hard Stop - Post-destandardization	32203	Counts

Learned Seat Travel - Post-destandardization	781	Counts
ECU Voltage	2.223	Volts
Number of ECU hard resets since latest calibration	18	Counts
Vertical Front motor sensor - Short to ground	False	
Vertical Rear motor sensor - Short to ground	False	
Vertical Front motor sensor - Short to battery or open	False	
Vertical Rear motor sensor - Short to battery or open	False	
Horizontal motor sensor - Short to ground	False	
Horizontal motor sensor - Short to battery or open	False	
Recliner motor sensor - Short to ground	False	
Recliner motor sensor - Short to battery or open	False	
Position Horizontal Adjustment	32233	Counts
Position Vertical Rear	32842	Counts
Position Recliner	32215	Counts
Position Vertical Front	32800	Counts
Movement Direction - Horizontal Motor	Motor not moving	
Movement Direction - Recliner Motor	Motor not moving	
Movement Direction - Vertical Front Motor	Motor not moving	
Movement Direction - Vertical Rear Motor	Motor not moving	
ECU configuration - Vehicle Line	RU	
ECU configuration - Adjustable Pedals	False	
ECU configuration - Telescope/Tilt	False	
ECU configuration - Memory Seat	True	
ECU configuration - Stow n Assist	True	

IPC | B1612-00 | Active | Panel Illumination Control-

NAME	VALUE	UNITS
Test Failed	True	
Test Failed This Operation Cycle	True	
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	FF	
Occurrence flag	Error	
Original Odometer Value	9316	miles
Most Recent Odometer Value	9316	miles
Frequency Counter	1	
Ignition Cycle Counter	0	

No Environmental Data available for B222C-00

BPCM | P0B37-00 | Stored | High Voltage Service Disconnect Open-

NAME	VALUE	UNITS
Frequency Counter	1	
Ignition Cycle Counter	1	
FoM - for this DTC (lifetime fails)	16	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	14957970	seconds
Key in Ignition	Key_Def	
Key Position	Ign_Lock	
EPT -WakeUp	Sourced	
HCP Contactor Command	Impact Open	
Qualified Contactor Command - QCC	Open	
Verified Contactor Command - VCC	Invalid	
Contactor Status	Open	
Plug in Status	Not plugged in	
ChargingLevel	Plug in, but no charge	
Balance Mode	False	
Battery in Periodic wake up (Just battery) at time of Fault	False	
Battery in Periodic wake up (Wake up vehicle) at time of Fault	False	
Vehicle mileage at time of fault (ODO signal in \$3D2)	9323.97	miles
Battery Lifetime Miles	6750E6	miles
Vehicle Speed	0.0	MPH
System (12) Volts at time of fault	12.675	Volts
Battery Lifetime AmpHrs of Charge	0.0	AHr
Battery Lifetime AmpHrs of DisCharge	0.0	AHr
SOC at time of Fault	0.0	%
Power Up SOC at time of Fault	0.0	%
HVIL Status -Vehicle	Fail	
HVIL Status - Battery pack	Fail	
HVIL PWM Duty Cycle - Vehicle	0.0	%
HVIL PWM Frequency - Vehicle	0.0	Hz
HVIL PWM peak voltage Sourced - Vehicle	11.673	Volts
HVIL PWM peak voltage Sensed - Vehicle	0.374	Volts
HVIL Source Voltage- Battery	7.267	Volts
HVIL Returned current - Battery	0.30	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	0.00	Amps
HV Cooling Speed Pump 1 Target	0	rpm
HV Cooling Speed pump 1 Speed	0	rpm
Charge indicator Temp	84	°F
BPCM temperature max	-40	°F
BPCM temperature min	-40	°F
Pump - Wire Open\Short to Gnd	PASS	

Pump - Dry Run Detection	PASS	
Pump - Overcurrent	PASS	
Pump - Overtemperature	PASS	
Pump - Switch Power Shorted	PASS	
Isolation Circuitry Va	2.498	Volts
Isolation Circuitry Vb	2.501	Volts
Isolation Circuitry Vd	0.000	Volts
WC and Circuitry 2.5V Reference Voltage	2.500	Volts
WC and Circuitry Vcc Voltage	5.002	Volts
WC and CircuitryISO 8V Reference Voltage	7.941	Volts
WC and Circuitry Weld Contactor Sensor G (Pack Negative) Voltage	-0.6	Volts
Cycles left to self heal	40	No Unit
Fault trigger level 1	False	
Fault trigger level 2	False	
Fault trigger level 3	False	
Fault Path	01	
HV Battery Charge Power 2sec	0	watts
HV Battery Charge Power 10sec	0	watts
HV Battery Discharge Power 2sec	0	watts
HV Battery Discharge Power 10sec	0	watts
HV Battery Power	007530	watts
Key - DriveRdy (CAN)	False	
Battery Lifetime Number Of Closes	1876	
Battery Full AmpHr Capacity	0	AmpHrs
Cell Impedance Max Discharge	0	mOhms
Cell Impedance Mim Discharge	0	mOhms
Battery Cell Voltage Maximum	0	mV
Battery Cell Voltage Minimum	34464	mV
Battery Cell Voltage Average	3958	mV
Battery Cell Highest Cell number	00	
Battery Cell Lowest Cell number	00	
HV Battery Voltage (cell sum)	0.00	Volts
HV Battery Voltage (Module Sum)	0.00	Volts
HV Sensor A Pack Voltage	1.30	Volts
HV Sensor B Bus\Link (Pre-Fuse) Voltage	0.70	Volts
HV Sensor C OBCM (HVOBC Fuse) Voltage	0.70	Volts
HV Sensor D Heater (HVHTR Fuse) Voltage	0.70	Volts
HV Sensor G Weld Contactor(Pack Negative) Voltage	-0.6	Volts
Battery Temperature Maximum Module	-40	°F
Battery Temperature Minimum Module	-40	°F
Battery Temperature Average Module	-40	°F
Battery Temperature Highest Sensor number	01	
Battery Temperature Lowest Sensor number	01	
Battery Temperature Number of Failing Sensors	12	

HV Cooling Pump Relay Drive	Not Sourced	
HV Cooling Battery coolant inlet temp	86	°F
HV Cooling Battery coolant outlet temp	86	°F
HV Cooling OBCM temp inlet Temp	93	°F
Pump - Battery Coolant Level Low	False	
Isolation Vehicle Diagnostic Status	Run and Passed	
Isolation Vehicle Impedance	7.6223	Mega Ohms
Isolation Battery Diagnostic Status	Run and Passed	
Isolation Battery Impedance	0.8480	Mega Ohms
HV Bat SOH-R	0.0	%
HV Bat SOH-C	0.0	%
BPCM Sec Asic Reset Req	Not Active	
BPCM Sec QA Error Counter	0	cnts
BPCM Sec MM Hw Reset Error Counter	0	cnts
BPCM Sec Asic Fault Input	Not Active	
BPCM Sec CC Path Test Active	Not Active	
BPCM L2 General Monitoring Flt Rsn	L2L1_CELL_MAX_V_CMP_FLT	
BPCM L2 CC Path Test Req	Undetermined	
BPCM L2 Contactor Dslb Req	Undetermined	
BPCM L2 ASIC Diagnostic Flt Rsn	ADCTest	
BPCM Sec HW Timer Status	Not Active	
BPCM Sec Contactor State	Open	
BPCM Main HW Timer Status	Not Active	
BPCM Sec Asic Fault State	Undefined	
BPCM L2 SM Hw Reset Error Counter	0	No Unit
Engine Speed	0	rpm
Accelerator position	0.0	%
Real time clock	429496.7295	seconds
Real time clock-OS Task Delay Timer	0	
Real Time Clock Validity	True	
DTC	0B 37 00	
Test Failed	False	
Test Failed This Operation Cycle	True	
Pending DTC	True	
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	9316	miles
Most Recent Odometer Value	9316	miles
DTC Extended Data Record Number - 2	2A	

BPCM | P1AE2-00 | Stored | Battery Energy Control Module High Voltage System Interlock Circuit-

NAME	VALUE	UNITS
Frequency Counter	1	
Ignition Cycle Counter	1	
FoM - for this DTC (lifetime fails)	16	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	14957970	seconds
Key in Ignition	Key_Def	
Key Position	Ign_Lock	
EPT -WakeUp	Sourced	
HCP Contactor Command	Impact Open	
Qualified Contactor Command - QCC	Open	
Verified Contactor Command - VCC	Invalid	
Contactor Status	Open	
Plug in Status	Not plugged in	
ChargingLevel	Plug in, but no charge	
Balance Mode	False	
Battery in Periodic wake up (Just battery) at time of Fault	False	
Battery in Periodic wake up (Wake up vehicle) at time of Fault	False	
Vehicle mileage at time of fault (ODO signal in \$3D2)	9323.97	miles
Battery Lifetime Miles	6750E6	miles
Vehicle Speed	0.0	MPH
System (12) Volts at time of fault	12.698	Volts
Battery Lifetime AmpHrs of Charge	0.0	AHr
Battery Lifetime AmpHrs of DisCharge	0.0	AHr
SOC at time of Fault	0.0	%
Power Up SOC at time of Fault	0.0	%
HVIL Status -Vehicle	Not Sourced	
HVIL Status - Battery pack	Not Sourced	
HVIL PWM Duty Cycle - Vehicle	0.0	%
HVIL PWM Frequency - Vehicle	0.0	Hz
HVIL PWM peak voltage Sourced - Vehicle	11.634	Volts
HVIL PWM peak voltage Sensed - Vehicle	0.416	Volts
HVIL Source Voltage- Battery	7.267	Volts
HVIL Returned current - Battery	0.30	mA
HV Battery Current Sensor 1 Hall High	-1.05	Amps
HV Battery Current Sensor 2 Hall Low	0.00	Amps
HV Battery Current HVBatCrnt	0.00	Amps
HV Cooling Speed Pump 1 Target	725	rpm
HV Cooling Speed pump 1 Speed	725	rpm
Charge indicator Temp	84	°F
BPCM temperature max	-40	°F
BPCM temperature min	-40	°F

Pump - Wire Open\Short to Gnd	PASS	
Pump - Dry Run Detection	PASS	
Pump - Overcurrent	PASS	
Pump - Overtemperature	PASS	
Pump - Switch Power Shorted	PASS	
Isolation Circuitry Va	2.498	Volts
Isolation Circuitry Vb	2.501	Volts
Isolation Circuitry Vd	0.000	Volts
WC and Circuitry 2.5V Reference Voltage	2.500	Volts
WC and Circuitry Vcc Voltage	5.004	Volts
WC and CircuitryISO 8V Reference Voltage	7.941	Volts
WC and Circuitry Weld Contactor Sensor G (Pack Negative) Voltage	-0.8	Volts
Cycles left to self heal	40	No Unit
Fault trigger level 1	False	
Fault trigger level 2	False	
Fault trigger level 3	False	
Fault Path	01	
HV Battery Charge Power 2sec	0	watts
HV Battery Charge Power 10sec	0	watts
HV Battery Discharge Power 2sec	0	watts
HV Battery Discharge Power 10sec	0	watts
HV Battery Power	007530	watts
Key - DriveRdy (CAN)	False	
Battery Lifetime Number Of Closes	1876	
Battery Full AmpHr Capacity	0	AmpHrs
Cell Impedance Max Discharge	0	mOhms
Cell Impedance Mim Discharge	0	mOhms
Battery Cell Voltage Maximum	0	mV
Battery Cell Voltage Minimum	34464	mV
Battery Cell Voltage Average	3958	mV
Battery Cell Highest Cell number	00	
Battery Cell Lowest Cell number	00	
HV Battery Voltage (cell sum)	0.00	Volts
HV Battery Voltage (Module Sum)	0.00	Volts
HV Sensor A Pack Voltage	1.30	Volts
HV Sensor B Bus\Link (Pre-Fuse) Voltage	0.70	Volts
HV Sensor C OBCM (HVOBC Fuse) Voltage	0.70	Volts
HV Sensor D Heater (HVHTR Fuse) Voltage	0.70	Volts
HV Sensor G Weld Contactor(Pack Negative) Voltage	-0.8	Volts
Battery Temperature Maximum Module	-40	°F
Battery Temperature Minimum Module	-40	°F
Battery Temperature Average Module	-40	°F
Battery Temperature Highest Sensor number	01	
Battery Temperature Lowest Sensor number	01	

Battery Temperature Number of Failing Sensors	12	
HV Cooling Pump Relay Drive	Not Sourced	
HV Cooling Battery coolant inlet temp	86	°F
HV Cooling Battery coolant outlet temp	86	°F
HV Cooling OBCM temp inlet Temp	93	°F
Pump - Battery Coolant Level Low	False	
Isolation Vehicle Diagnostic Status	Run and Passed	
Isolation Vehicle Impedance	7.6223	Mega Ohms
Isolation Battery Diagnostic Status	Run and Passed	
Isolation Battery Impedance	0.8480	Mega Ohms
HV Bat SOH-R	0.0	%
HV Bat SOH-C	0.0	%
BPCM Sec Asic Reset Req	Not Active	
BPCM Sec QA Error Counter	0	cnts
BPCM Sec MM Hw Reset Error Counter	0	cnts
BPCM Sec Asic Fault Input	Active	
BPCM Sec CC Path Test Active	Not Active	
BPCM L2 General Monitoring Flt Rsn	L2L1_CELL_MAX_V_CMP_FLT	
BPCM L2 CC Path Test Req	Undetermined	
BPCM L2 Contactor Dslb Req	Undetermined	
BPCM L2 ASIC Diagnostic Flt Rsn	ADCTest	
BPCM Sec HW Timer Status	Not Active	
BPCM Sec Contactor State	Open	
BPCM Main HW Timer Status	Not Active	
BPCM Sec Asic Fault State	Undefined	
BPCM L2 SM Hw Reset Error Counter	0	No Unit
Engine Speed	0	rpm
Accelerator position	0.0	%
Real time clock	429496.7295	seconds
Real time clock-OS Task Delay Timer	0	
Real Time Clock Validity	True	
DTC	1A E2 00	
Test Failed	False	
Test Failed This Operation Cycle	True	
Pending DTC	True	
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	9316	miles
Most Recent Odometer Value	9316	miles

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

NAME	VALUE	UNITS
Frequency Counter	1	
Ignition Cycle Counter	1	
FoM - for this DTC (lifetime fails)	16	events
FoM - for this DTC (lifetime fails counts on pass)	10.4000	seconds
FoM - for this DTC (lifetime longest fail on pass)	0.100	seconds
Battery Total Time Awake	14957970	seconds
Key in Ignition	Key_Def	
Key Position	Ign_Lock	
EPT -WakeUp	Sourced	
HCP Contactor Command	Impact Open	
Qualified Contactor Command - QCC	Open	
Verified Contactor Command - VCC	Invalid	
Contactor Status	Open	
Plug in Status	Not plugged in	
ChargingLevel	Plug in, but no charge	
Balance Mode	False	
Battery in Periodic wake up (Just battery) at time of Fault	False	
Battery in Periodic wake up (Wake up vehicle) at time of Fault	False	
Vehicle mileage at time of fault (ODO signal in \$3D2)	9323.97	miles
Battery Lifetime Miles	6750E6	miles
Vehicle Speed	0.0	MPH
System (12) Volts at time of fault	12.698	Volts
Battery Lifetime AmpHrs of Charge	0.0	AHr
Battery Lifetime AmpHrs of DisCharge	0.0	AHr
SOC at time of Fault	0.0	%
Power Up SOC at time of Fault	0.0	%
HVIL Status -Vehicle	Not Sourced	
HVIL Status - Battery pack	Not Sourced	
HVIL PWM Duty Cycle - Vehicle	0.0	%
HVIL PWM Frequency - Vehicle	0.0	Hz
HVIL PWM peak voltage Sourced - Vehicle	11.634	Volts
HVIL PWM peak voltage Sensed - Vehicle	0.416	Volts
HVIL Source Voltage- Battery	7.267	Volts
HVIL Returned current - Battery	0.30	mA
HV Battery Current Sensor 1 Hall High	-1.05	Amps
HV Battery Current Sensor 2 Hall Low	0.00	Amps
HV Battery Current HVBatCrnt	0.00	Amps
HV Cooling Speed Pump 1 Target	725	rpm
HV Cooling Speed pump 1 Speed	725	rpm
Charge indicator Temp	84	°F

BPCM temperature max	-40	°F
BPCM temperature min	-40	°F
Pump - Wire Open\Short to Gnd	PASS	
Pump - Dry Run Detection	PASS	
Pump - Overcurrent	PASS	
Pump - Overtemperature	PASS	
Pump - Switch Power Shorted	PASS	
Isolation Circuitry Va	2.498	Volts
Isolation Circuitry Vb	2.501	Volts
Isolation Circuitry Vd	0.000	Volts
WC and Circuitry 2.5V Reference Voltage	2.500	Volts
WC and Circuitry Vcc Voltage	5.004	Volts
WC and CircuitryISO 8V Reference Voltage	7.941	Volts
WC and Circuitry Weld Contactor Sensor G (Pack Negative) Voltage	-0.8	Volts
Cycles left to self heal	40	No Unit
Fault trigger level 1	False	
Fault trigger level 2	False	
Fault trigger level 3	False	
Fault Path	01	
HV Battery Charge Power 2sec	0	watts
HV Battery Charge Power 10sec	0	watts
HV Battery Discharge Power 2sec	0	watts
HV Battery Discharge Power 10sec	0	watts
HV Battery Power	007530	watts
Key - DriveRdy (CAN)	False	
Battery Lifetime Number Of Closes	1876	
Battery Full AmpHr Capacity	0	AmpHrs
Cell Impedance Max Discharge	0	mOhms
Cell Impedance Mim Discharge	0	mOhms
Battery Cell Voltage Maximum	0	mV
Battery Cell Voltage Minimum	34464	mV
Battery Cell Voltage Average	3958	mV
Battery Cell Highest Cell number	00	
Battery Cell Lowest Cell number	00	
HV Battery Voltage (cell sum)	0.00	Volts
HV Battery Voltage (Module Sum)	0.00	Volts
HV Sensor A Pack Voltage	1.30	Volts
HV Sensor B Bus\Link (Pre-Fuse) Voltage	0.70	Volts
HV Sensor C OBCM (HVOBC Fuse) Voltage	0.70	Volts
HV Sensor D Heater (HVHTR Fuse) Voltage	0.70	Volts
HV Sensor G Weld Contactor(Pack Negative) Voltage	-0.8	Volts
Battery Temperature Maximum Module	-40	°F
Battery Temperature Minimum Module	-40	°F
Battery Temperature Average Module	-40	°F

Battery Temperature Highest Sensor number	01	
Battery Temperature Lowest Sensor number	01	
Battery Temperature Number of Failing Sensors	12	
HV Cooling Pump Relay Drive	Not Sourced	
HV Cooling Battery coolant inlet temp	86	°F
HV Cooling Battery coolant outlet temp	86	°F
HV Cooling OBCM temp inlet Temp	93	°F
Pump - Battery Coolant Level Low	False	
Isolation Vehicle Diagnostic Status	Run and Passed	
Isolation Vehicle Impedance	7.6223	Mega Ohms
Isolation Battery Diagnostic Status	Run and Passed	
Isolation Battery Impedance	0.8480	Mega Ohms
HV Bat SOH-R	0.0	%
HV Bat SOH-C	0.0	%
BPCM Sec Asic Reset Req	Not Active	
BPCM Sec QA Error Counter	0	cnts
BPCM Sec MM Hw Reset Error Counter	0	cnts
BPCM Sec Asic Fault Input	Active	
BPCM Sec CC Path Test Active	Not Active	
BPCM L2 General Monitoring Flt Rsn	L2L1_CELL_MAX_V_CMP_FLT	
BPCM L2 CC Path Test Req	Undetermined	
BPCM L2 Contactor Dslb Req	Undetermined	
BPCM L2 ASIC Diagnostic Flt Rsn	ADCTest	
BPCM Sec HW Timer Status	Not Active	
BPCM Sec Contactor State	Open	
BPCM Main HW Timer Status	Not Active	
BPCM Sec Asic Fault State	Undefined	
BPCM L2 SM Hw Reset Error Counter	0	No Unit
Engine Speed	0	rpm
Accelerator position	0.0	%
Real time clock	429496.7295	seconds
Real time clock-OS Task Delay Timer	0	
Real Time Clock Validity	True	
DTC	0A 0A 00	
Test Failed	False	
Test Failed This Operation Cycle	True	
Pending DTC	True	
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	9316	miles
Most Recent Odometer Value	9316	miles
DTC Extended Data Record Number - 2	04	

HCP | POA0A-00 | Stored | High Voltage System Interlock Circuit "A"-

NAME	VALUE	UNITS
DTC	0A 0A 00	
Test Failed	False	
Test Failed This Operation Cycle	True	
Pending DTC	True	
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	9324.0	miles
Most Recent Odometer Value	9324.0	miles
Frequency Counter	1	
Ignition Cycle Counter	0	
Real time clock	14957972	sec
RAM stamps keyOn	0	sec
RAM Stamps	71226	Min
Accelerator Pedal Position	0	%
Brake Switch Status	Not Applied	
Engine Speed	0	rpm
HV Battery SOC	69	%
Ignition State	Ignition Lock	
PRND Position Display	P	
Propulsion System Active	False	
Vehicle Speed	0.0000	MPH
Motor A Temp Sensor	106	°F
Motor B Temp Sensor	108	°F
Barometric Pressure	15	PSI
Engine Coolant Temperature	176	°F
Internal EPS Voltage Sense A	0.000	Volts
Internal EPS Voltage Sense B	0.000	Volts
Motor A Torque	0.000	Ft-Lbs
Motor B Torque	0.000	Ft-Lbs
Actual Torque - Motor A	0.000	Ft-Lbs
Actual Torque - Motor B	0.000	Ft-Lbs
Available Motor Torque - Motor A	43.603	Ft-Lbs
Available Motor Torque - Motor B	116.150	Ft-Lbs
Available Regen Torque - Motor A	-43.603	Ft-Lbs

Available Regen Torque - Motor B	-116.150	Ft-Lbs
Commanded Torque - Motor A	0.000	Ft-Lbs
Commanded Torque - Motor B	0.000	Ft-Lbs
Motor A - Inverter Current - phase A	0	AMP
Motor A - Inverter Current - phase B	0	AMP
Motor A - Inverter Current - phase C	0	AMP
Motor B - Inverter Current - phase A	0	AMP
Motor B - Inverter Current - phase B	-4	AMP
Motor B - Inverter Current - phase C	0	AMP
Motor B Resolver Angle	204	Degree
Motor A Resolver Angle	306	Degree
Electric Motor A Speed	0.0	rpm
Electric Motor B Speed	0.5	rpm
PIM DC Link Voltage - A	4	Volts
PIM DC Link Voltage - B	5	Volts
HCP ePT Wake-Up Output	On	
CBC Wake-Up Input	Off	
HCP System Shutdown Command	Default	
HV Battery Voltage from BPCM	180.00	Volts
SW Build Release Version	PIM_21C_2107B0_RU_HCP___	
HCP SW Version	21C	
EPT LOC Diag Enable	Disable LOC Daignostic	
HV Contactor Status	Open	
APM Status	Idle	
Impact Event	False	
Outside Air Temperature	88.7	°F
OBCM Operating Mode	UTC	
J1772 Prox Detected State	Prox Out	
HV Battery Sleep Time	0	Days
Battery Feed Voltage 1 Sense	12.384	Volts
Battery Feed Voltage 2 Sense	12.384	Volts
Battery Feed Voltage 3 Sense	12.384	Volts
Hybrid System State	Power Up	
Inverter A IGBT Temperature for phase A	100	°F
Inverter A IGBT Temperature for phase B	99	°F
Inverter A IGBT Temperature for phase C	100	°F
Inverter B IGBT Temperature for phase A	100	°F
Inverter B IGBT Temperature for phase B	100	°F
Inverter B IGBT Temperature for phase C	100	°F
PHEV Charging Status	No Charging	
Distance Travelled with Light ON	0	miles
GPS Date - Year	0	Year
GPS Date - Month	1	
GPS Date - Day	1	Days

UTC Time - Hours	0	Hours
UTC Time - Minutes	0	
UTC Time - Seconds	2	seconds
ECU Time - Milliseconds	500	ms

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	9114.4	miles
Most Recent Odometer Value	9205.1	miles
Frequency Counter	3	
Ignition Cycle Counter	6	
Real time clock	14774212	sec
RAM stamps keyOn	375	sec
RAM Stamps	70640	Min
Accelerator Pedal Position	0	%
Brake Switch Status	Not Applied	
PHEV Charging Status	No Charging	
Engine Speed	0	rpm
HV Battery SOC	32	%
Ignition State	Reserved	
PRND Position Display	N	
Propulsion System Active	False	
Vehicle Speed	77.2782	MPH
Motor A Temp Sensor	106	°F
Motor B Temp Sensor	104	°F
Barometric Pressure	14	PSI
Engine Coolant Temperature	144	°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	2.40	Degree
Motor B Resolver Angle Offset	2.80	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	14.760	Volts
Internal EPS Voltage Sense A	8.208	Volts
Internal EPS Voltage Sense B	8.064	Volts
Actual Torque - Motor A	0.000	Ft-Lbs
Actual Torque - Motor B	-4.056	Ft-Lbs
Available Motor Torque - Motor A	0.000	Ft-Lbs
Available Motor Torque - Motor B	79.001	Ft-Lbs
Available Regen Torque - Motor A	0.000	Ft-Lbs
Available Regen Torque - Motor B	-79.001	Ft-Lbs
Commanded Torque - Motor A	0.000	Ft-Lbs
Commanded Torque - Motor B	0.000	Ft-Lbs
Electric Motor A Speed	-10428.5	rpm
Electric Motor B Speed	8462.5	rpm
Battery Feed Voltage 1 Sense	14.688	Volts
Battery Feed Voltage 3 Sense	14.544	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	40	AMP
Motor B - Inverter Current - phase B	-8	AMP
Motor B - Inverter Current - phase C	-36	AMP
Outside Air Temperature	68.0	°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	340.90	Volts
PIM DC Link Voltage - A	341	Volts
PIM DC Link Voltage - B	342	Volts
Inverter A IGBT Temperature for phase A	77	°F
Inverter A IGBT Temperature for phase B	75	°F
Inverter A IGBT Temperature for phase C	75	°F
Inverter B IGBT Temperature for phase A	75	°F
Inverter B IGBT Temperature for phase B	75	°F
Inverter B IGBT Temperature for phase C	77	°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	-4.056	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	9	
GPS Date - Day	5	Days
UTC Time - Hours	12	Hours
UTC Time - Minutes	33	
UTC Time - Seconds	1	seconds
ECU Time - Milliseconds	275	ms

MSMP | B222D-00 | Stored | ECU Unable To Configure/Configuration Not Learned-

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	
DTC Extended Data Record Number - All	01	
Occurrence flag	Occurrence	
Original Odometer Value	9306	miles
Most Recent Odometer Value	9306	miles
Frequency Counter	1	
Ignition Cycle Counter	2	

ABSO | C2222-00 | Active | Improper Powerdown-

NAME	VALUE	UNITS
DTC	62 22 00	
Test Failed	True	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	False	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	True	
Occurrence flag	Error	
Controller Event	No	
Mirror Memory	No	
Undervoltage Suspected	No	

Original Odometer Value	0	miles
Most Recent Odometer Value	0	miles
Frequency Counter	1	
Ignition Cycle Counter	0	
Fault Time	0.00	S
Current System Mode	CAN active	
Previous System Mode	CAN active	
System Condition	OK	
Supply Voltage Valves	12.3	V
Brake Pedal Status	Released	
Supply voltage Pump	10.0	V
Brake Pedal Travel Sensor Position	0	%
Ignition Unfiltered	0.0	V
Wheel Speed Left Front	0.000	MPH
Rotation Direction Left Front	Forward	
Wheel Speed Right Front	0.000	MPH
Rotation Direction Right Front	Forward	
Wheel Speed Left Rear	0.000	MPH
Rotation Direction Left Rear	Forward	
Wheel Speed Right Rear	0.000	MPH
Rotation Direction Right Rear	Forward	
Steering Wheel Angle	0.00	°
Longitudinal Acceleration	0.00	m/s ²
Lateral Acceleration	0.00	m/s ²
Yaw Rate	0.000	°/s
Primary Circuit Pressure	0.00	PSI
Engine Speed	0.0	rpm
Accelerator Pedal Position	0.0	%
ABS control	Not Active	
ASR control	Not Active	
MSR control	Not Active	
EBV control	Not Active	
ESP Control	Not Active	
HSA control	Not Active	
HBA control	Not Active	
Hold	No	
Braking assistance system	No assistance system is braking	
Plant Mode	No	
EPB Mode Status	Limp Home	
BLS High	No	
BLS Low	Yes	
Park Brake	Not Activated	
ESP-OFF mode	No	
Clutch	Not Activated	

Stop Coordinator Active	No	
Actual Gear	N	
Transmission selector lever setting	P	
Status Parking Brake Left	Brake is in an Unknown State	
Status Parking Brake Right	Brake is in an Unknown State	
EPB Switch Status	Idle	
Supplier Internal Code	140	

SNAPSHOT DATA SUMMARY

No Snapshot Data available for B222D-00

No Snapshot Data available for B1612-00

No Snapshot Data available for B222C-00

No Snapshot Data available for P0B37-00

No Snapshot Data available for P1AE2-00

No Snapshot Data available for P0A0A-00

No Snapshot Data available for P0A0A-00

No Snapshot Data available for P0A43-00

No Snapshot Data available for B222D-00

No Snapshot Data available for C2222-00



VEHICLE SCAN REPORT

Vehicle 2022 CHRYSLER PACIFICA/VOYAGER 3.6L V6 HYBRID ENGINE
VIN 2C4RC1N77N [REDACTED]

Odometer 9324.0 miles
Publication Date 9/7/2022 1:16:17 PM

ECU SUMMARY INFO

ECU	NAME	BUS TYPE	FLASH PART #	CURRENT VIN	ORIGINAL VIN	PART #
PCM	Powertrain Control Module	CAN-C	68526772AD	2C4RC1N77	2C4RC1N77NR	68526772AD
PLGM	Power Liftgate	CAN-I	68466171AI	2C4RC1N77	—	68466171AI
ICS	Integrated Center Stack	CAN-I	7AS341X8AA	2C4RC1N77	2C4RC1N77NR	7AS341X8AA
RFH	Radio Frequency Hub	CAN-C	68592117AA	2C4RC1N77	2C4RC1N77NR	68592117AA
ESM	Electronic Shifter	CAN-C	68240089AN	2C4RC1N77	2C4RC1N77NR	68240089AN
ORC	Occupant Restraint	CAN-C	68526665AB	2C4RC1N77	2C4RC1N77NR	68526665AB
EPS	Electric Power Steering	CAN-C	68525339AA	2C4RC1N77	2C4RC1N77NR	68525339AA
HVAC	Heat, Ventilation and A/C	CAN-I	52080480AB	2C4RC1N77	2C4RC1N77NR	52080480AB
DDM	Driver Door Module	CAN-I	68569329AA	2C4RC1N77	2C4RC1N77NR	68569329AA
PDM	Passenger Door Module	CAN-I	68569328AA	2C4RC1N77	2C4RC1N77NR	68569328AA
DMRL	Door Module Rear Left	CAN-I	68508894AB	2C4RC1N77	2C4RC1N77NR	68508894AB
DMRR	Door Module Rear Right	CAN-I	68508894AB	2C4RC1N77	2C4RC1N77NR	68508894AB
PSDML	Power Sliding Doors (Left)	CAN-I	68369596AE	2C4RC1N77	2C4RC1N77NR	68369596AE
PSDMR	Power Sliding Doors (Right)	CAN-I	68369596AE	2C4RC1N77	2C4RC1N77NR	68369596AE
MSM	Memory Seat Module	CAN-I	68321862AD	2C4RC1N77	2C4RC1N77NR	68321862AD
CSWM	Comfort Seat Wheel Module	CAN-I	68530192AB	2C4RC1N77	2C4RC1N77NR	68530192AB
AMP	Amplifier	CAN-I	68547722AC	2C4RC1N77	2C4RC1N77NR	68547722AC
IPC	Instrument Panel Cluster	CAN-C	68529064AB	2C4RC1N77	2C4RC1N77NR	68529064AB
PTS	Parktronics	CAN-C	68485862AB	2C4RC1N77	2C4RC1N77NR	68485862AB

SCCM	Steering Column Control Module	CAN-C	68531525AA	2C4RC1N77NR	2C4RC1N77NR	68531525AA
BCM	Body Controller	CAN-C	68529663AD	2C4RC1N77NR	2C4RC1N77NR	68529663AD
ACC	Adaptive Cruise Control	CAN-C	68540436AC	2C4RC1N77NR	2C4RC1N77NR	68540436AC
RADIO	Radio	CAN-I	68526170AD	2C4RC1N77NR	2C4RC1N77NR	68526170AD
OCM	Occupant Classification	CAN-C	68403127AA	2C4RC1N77NR	2C4RC1N77NR	68403127AA
HVACR	Heat, Ventilation and A/C Rear	CAN-I	68373079AB	2C4RC1N77NR	2C4RC1N77NR	68373079AB
LBSS	Left Blind Spot Sensor	CAN-I	04672786AC	2C4RC1N77NR	2C4RC1N77NR	04672786AC
RBSS	Right Blind Spot Sensor	CAN-I	04672786AC	2C4RC1N77NR	2C4RC1N77NR	04672786AC
FFCM	Forward Facing Camera Module	CAN-C	68551091AA	2C4RC1N77NR	2C4RC1N77NR	68551091AA
EDM	External Disc Module	CAN-I	68446930AA	2C4RC1N77NR	2C4RC1N77NR	68446930AA
BPCM	Battery Pack Control Module	CAN-C	05193186AB	2C4RC1N77NR	2C4RC1N77NR	05193186AB
HCP	Hybrid Control Processor	CAN-C	68540977AH	2C4RC1N77NR	2C4RC1N77NR	68540977AH
MSMP	Memory Seat Module - Passenger	CAN-I	68321862AD	2C4RC1N77NR	2C4RC1N77NR	68321862AD
DSM	Display Screen Module	CAN-I	68437339AG	2C4RC1N77NR	2C4RC1N77NR	68437339AG
VRM	Video Routing Module	CAN-I	68494731AG			68494731AG
RCCC	Rear Cabin Comfort Controls	CAN-I	6WL30DX9AA	2C4RC1N77NR	2C4RC1N77NR	6WL30DX9AA
CVPM	Central vision processing module	CAN-I	56029958AB	2C4RC1N77NR	2C4RC1N77NR	56029958AB
EAC	Electric A/C Compressor	CAN-C	68237995AG	2C4RC1N77NR	2C4RC1N77NR	68237995AG
AHCP	Auxiliary Hybrid Control Processor	CAN-C	68540978AH	2C4RC1N77NR	2C4RC1N77NR	68540978AH
EBBM	Electronic Brake Booster Module	CAN-C	68461813AB	2C4RC1N77NR	2C4RC1N77NR	68461813AB
ABSO	Anti Lock Brakes OBD	CAN-C	68471122AD	2C4RC1N77NR	2C4RC1N77NR	68471122AD
SGW	Security Gateway Module	CAN-C	68525871AB		2C4RC1N77NR	68525871AB
IDCM	Integrated Dual Charge Module	CAN-C	05185094AF	2C4RC1N77NR	2C4RC1N77NR	05185094AF
TBM2	Telematic Box Module 2	CAN-C	68444865AH	2C4RC1N77NR	2C4RC1N77NR	68444865AH

ECU SUMMARY INFO (CONT...)

ECU	COUNTRY CODE	HARDWARE VERSION	SOFTWARE VERSION	IDENT	SERIAL NUMBER	CVNS
PCM	USA	1B 47	78 02 00	4422		

PLGM	USA	0	5084	000200000034
ICS	USA	0F 0C 00	13 31 01	4700
RFH	USA / USA	10 17 00	15 22 00	4A00
ESM	USA / USA	13 02 00	14 23 FF	4402
ORC	USA / USA	14 06 00	14 12 00	4301
EPS	USA / USA	14 12 00	12 1E 01	4502
HVAC	USA	0E 09 00	15 08 01	4401
DDM	USA	11 07 00	14 2A 00	4202
PDM	USA	11 07 00	14 2A 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 32 13	4001
PSDMR	USA / USA	10 17 00	14 32 13	4001
MSM	USA	0F 2B 00	15 21 00	4101
CSWM	USA	11 2A 00	14 27 00	4320
AMP	USA	0F 06 01	15 31 02	4021
IPC	USA / USA	12 06 00	15 01 00	4705
PTS	USA	0E 32 00	15 05 00	4311
SCCM	USA	13 28 00	13 29 00	4301
BCM	USA	0D 11 00	15 20 90	4420
ACC	USA / USA	15 21 01	15 23 02	4400
RADIO		65	8629	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	15 08 00	4202
RBSS	USA / USA	11 30 02	15 08 00	4202
FFCM	USA / USA	11 06 00	15 0C 00	4102
EDM	USA	12 0A 00	11 08 00	4000
BPCM	Not programmed / COUNTRY_SNA	0E 03 00	15 19 00	4005
HCP	USA	11 1F 04	0F 2D 00	4006
MSMP	USA	0F 2B 00	15 21 00	4001
DSM	USA / USA	14 0C 00	15 2D 00	4300
VRM		2	8224	000200000002
RCCC	USA	0F 1D 00	13 04 00	4000
CVPM	USA / USA	11 27 01	14 2A 00	4004
EAC	USA	0E 34 00	12 0F 00	4102
AHCP	USA	11 1F 04	0F 2D 00	4000
EBBM	USA	0E 19 02	14 0D 18	4000
ABSO	USA	0E 15 02	14 1B 26	4201
SGW		6	1137	4103
IDCM	USA	14 2C 00	15 31 00	4000
TBM2	USA	13 0E 02	14 2A 5F	4104

DTC SUMMARY

ECU	DTC CODE	DTC DESCRIPTION	STATUS
MSM	B222D-00	ECU Unable To Configure/Configuration Not Learned-	Stored
IPC	B1612-00	Panel Illumination Control-	Active
RADIO	B222C-00		Active
BPCM	P0B37-00	High Voltage Service Disconnect Open-	Stored
BPCM	P1AE2-00	Battery Energy Control Module High Voltage System Interlock Circuit-	Stored
BPCM	P0A0A-00	High Voltage System Interlock Circuit "A"-	Stored
HCP	P0A0A-00	High Voltage System Interlock Circuit "A"-	Stored
HCP	P0A43-00	Drive Motor "A" Position Sensor Circuit Intermittent-	Stored
MSMP	B222D-00	ECU Unable To Configure/Configuration Not Learned-	Stored
ABSO	C2222-00	Improper Powerdown-	Active

ENVIRONMENTAL DATA SUMMARY**MSM | B222D-00 | Stored | ECU Unable To Configure/Configuration Not Learned-**

NAME	VALUE	UNITS
DTC	A2 2D 00	
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number - All	01	
Occurrence flag	Occurrence	
Original Odometer Value	9306	miles
Most Recent Odometer Value	9306	miles
Frequency Counter	1	
Ignition Cycle Counter	2	
DTC Extended Data Record Number	14	
Calibration Version	03 09 00 01	
Front Hard Stop - Current	32984	Counts
Rear Hard Stop - Current	32203	Counts
Learned Seat Travel - Current	781	Counts
Default Seat travel length	780	Counts
Destandardization Reason	Diagnostics	
Front Hard Stop - Pre-destandardization	Not Learned	Counts
Rear Hard Stop - Pre-destandardization	Not Learned	Counts
Learned Seat Travel - Pre-destandardization	Not Learned	Counts
Front Hard Stop - Post-destandardization	32984	Counts
Rear Hard Stop - Post-destandardization	32203	Counts

Learned Seat Travel - Post-destandardization	781	Counts
ECU Voltage	2.223	Volts
Number of ECU hard resets since latest calibration	18	Counts
Vertical Front motor sensor - Short to ground	False	
Vertical Rear motor sensor - Short to ground	False	
Vertical Front motor sensor - Short to battery or open	False	
Vertical Rear motor sensor - Short to battery or open	False	
Horizontal motor sensor - Short to ground	False	
Horizontal motor sensor - Short to battery or open	False	
Recliner motor sensor - Short to ground	False	
Recliner motor sensor - Short to battery or open	False	
Position Horizontal Adjustment	32233	Counts
Position Vertical Rear	32842	Counts
Position Recliner	32215	Counts
Position Vertical Front	32800	Counts
Movement Direction - Horizontal Motor	Motor not moving	
Movement Direction - Recliner Motor	Motor not moving	
Movement Direction - Vertical Front Motor	Motor not moving	
Movement Direction - Vertical Rear Motor	Motor not moving	
ECU configuration - Vehicle Line	RU	
ECU configuration - Adjustable Pedals	False	
ECU configuration - Telescope/Tilt	False	
ECU configuration - Memory Seat	True	
ECU configuration - Stow n Assist	True	

IPC | B1612-00 | Active | Panel Illumination Control-

NAME	VALUE	UNITS
Test Failed	True	
Test Failed This Operation Cycle	True	
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	FF	
Occurrence flag	Error	
Original Odometer Value	9316	miles
Most Recent Odometer Value	9316	miles
Frequency Counter	1	
Ignition Cycle Counter	0	

No Environmental Data available for B222C-00

BPCM | P0B37-00 | Stored | High Voltage Service Disconnect Open-

NAME	VALUE	UNITS
Frequency Counter	1	
Ignition Cycle Counter	1	
FoM - for this DTC (lifetime fails)	16	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	14957970	seconds
Key in Ignition	Key_Def	
Key Position	Ign_Lock	
EPT -WakeUp	Sourced	
HCP Contactor Command	Impact Open	
Qualified Contactor Command - QCC	Open	
Verified Contactor Command - VCC	Invalid	
Contactor Status	Open	
Plug in Status	Not plugged in	
ChargingLevel	Plug in, but no charge	
Balance Mode	False	
Battery in Periodic wake up (Just battery) at time of Fault	False	
Battery in Periodic wake up (Wake up vehicle) at time of Fault	False	
Vehicle mileage at time of fault (ODO signal in \$3D2)	9323.97	miles
Battery Lifetime Miles	6750E6	miles
Vehicle Speed	0.0	MPH
System (12) Volts at time of fault	12.675	Volts
Battery Lifetime AmpHrs of Charge	0.0	AHr
Battery Lifetime AmpHrs of DisCharge	0.0	AHr
SOC at time of Fault	0.0	%
Power Up SOC at time of Fault	0.0	%
HVIL Status -Vehicle	Fail	
HVIL Status - Battery pack	Fail	
HVIL PWM Duty Cycle - Vehicle	0.0	%
HVIL PWM Frequency - Vehicle	0.0	Hz
HVIL PWM peak voltage Sourced - Vehicle	11.673	Volts
HVIL PWM peak voltage Sensed - Vehicle	0.374	Volts
HVIL Source Voltage- Battery	7.267	Volts
HVIL Returned current - Battery	0.30	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	0.00	Amps
HV Cooling Speed Pump 1 Target	0	rpm
HV Cooling Speed pump 1 Speed	0	rpm
Charge indicator Temp	84	°F
BPCM temperature max	-40	°F
BPCM temperature min	-40	°F
Pump - Wire Open\Short to Gnd	PASS	

Pump - Dry Run Detection	PASS	
Pump - Overcurrent	PASS	
Pump - Overtemperature	PASS	
Pump - Switch Power Shorted	PASS	
Isolation Circuitry Va	2.498	Volts
Isolation Circuitry Vb	2.501	Volts
Isolation Circuitry Vd	0.000	Volts
WC and Circuitry 2.5V Reference Voltage	2.500	Volts
WC and Circuitry Vcc Voltage	5.002	Volts
WC and CircuitryISO 8V Reference Voltage	7.941	Volts
WC and Circuitry Weld Contactor Sensor G (Pack Negative) Voltage	-0.6	Volts
Cycles left to self heal	40	No Unit
Fault trigger level 1	False	
Fault trigger level 2	False	
Fault trigger level 3	False	
Fault Path	01	
HV Battery Charge Power 2sec	0	watts
HV Battery Charge Power 10sec	0	watts
HV Battery Discharge Power 2sec	0	watts
HV Battery Discharge Power 10sec	0	watts
HV Battery Power	007530	watts
Key - DriveRdy (CAN)	False	
Battery Lifetime Number Of Closes	1876	
Battery Full AmpHr Capacity	0	AmpHrs
Cell Impedance Max Discharge	0	mOhms
Cell Impedance Mim Discharge	0	mOhms
Battery Cell Voltage Maximum	0	mV
Battery Cell Voltage Minimum	34464	mV
Battery Cell Voltage Average	3958	mV
Battery Cell Highest Cell number	00	
Battery Cell Lowest Cell number	00	
HV Battery Voltage (cell sum)	0.00	Volts
HV Battery Voltage (Module Sum)	0.00	Volts
HV Sensor A Pack Voltage	1.30	Volts
HV Sensor B Bus\Link (Pre-Fuse) Voltage	0.70	Volts
HV Sensor C OBCM (HVOBC Fuse) Voltage	0.70	Volts
HV Sensor D Heater (HVHTR Fuse) Voltage	0.70	Volts
HV Sensor G Weld Contactor(Pack Negative) Voltage	-0.6	Volts
Battery Temperature Maximum Module	-40	°F
Battery Temperature Minimum Module	-40	°F
Battery Temperature Average Module	-40	°F
Battery Temperature Highest Sensor number	01	
Battery Temperature Lowest Sensor number	01	
Battery Temperature Number of Failing Sensors	12	

HV Cooling Pump Relay Drive	Not Sourced	
HV Cooling Battery coolant inlet temp	86	°F
HV Cooling Battery coolant outlet temp	86	°F
HV Cooling OBCM temp inlet Temp	93	°F
Pump - Battery Coolant Level Low	False	
Isolation Vehicle Diagnostic Status	Run and Passed	
Isolation Vehicle Impedance	7.6223	Mega Ohms
Isolation Battery Diagnostic Status	Run and Passed	
Isolation Battery Impedance	0.8480	Mega Ohms
HV Bat SOH-R	0.0	%
HV Bat SOH-C	0.0	%
BPCM Sec Asic Reset Req	Not Active	
BPCM Sec QA Error Counter	0	cnts
BPCM Sec MM Hw Reset Error Counter	0	cnts
BPCM Sec Asic Fault Input	Not Active	
BPCM Sec CC Path Test Active	Not Active	
BPCM L2 General Monitoring Flt Rsn	L2L1_CELL_MAX_V_CMP_FLT	
BPCM L2 CC Path Test Req	Undetermined	
BPCM L2 Contactor Dslb Req	Undetermined	
BPCM L2 ASIC Diagnostic Flt Rsn	ADCTest	
BPCM Sec HW Timer Status	Not Active	
BPCM Sec Contactor State	Open	
BPCM Main HW Timer Status	Not Active	
BPCM Sec Asic Fault State	Undefined	
BPCM L2 SM Hw Reset Error Counter	0	No Unit
Engine Speed	0	rpm
Accelerator position	0.0	%
Real time clock	429496.7295	seconds
Real time clock-OS Task Delay Timer	0	
Real Time Clock Validity	True	
DTC	0B 37 00	
Test Failed	False	
Test Failed This Operation Cycle	True	
Pending DTC	True	
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	9316	miles
Most Recent Odometer Value	9316	miles
DTC Extended Data Record Number - 2	2A	

BPCM | P1AE2-00 | Stored | Battery Energy Control Module High Voltage System Interlock Circuit-

NAME	VALUE	UNITS
Frequency Counter	1	
Ignition Cycle Counter	1	
FoM - for this DTC (lifetime fails)	16	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	14957970	seconds
Key in Ignition	Key_Def	
Key Position	Ign_Lock	
EPT -WakeUp	Sourced	
HCP Contactor Command	Impact Open	
Qualified Contactor Command - QCC	Open	
Verified Contactor Command - VCC	Invalid	
Contactor Status	Open	
Plug in Status	Not plugged in	
ChargingLevel	Plug in, but no charge	
Balance Mode	False	
Battery in Periodic wake up (Just battery) at time of Fault	False	
Battery in Periodic wake up (Wake up vehicle) at time of Fault	False	
Vehicle mileage at time of fault (ODO signal in \$3D2)	9323.97	miles
Battery Lifetime Miles	6750E6	miles
Vehicle Speed	0.0	MPH
System (12) Volts at time of fault	12.698	Volts
Battery Lifetime AmpHrs of Charge	0.0	AHr
Battery Lifetime AmpHrs of DisCharge	0.0	AHr
SOC at time of Fault	0.0	%
Power Up SOC at time of Fault	0.0	%
HVIL Status -Vehicle	Not Sourced	
HVIL Status - Battery pack	Not Sourced	
HVIL PWM Duty Cycle - Vehicle	0.0	%
HVIL PWM Frequency - Vehicle	0.0	Hz
HVIL PWM peak voltage Sourced - Vehicle	11.634	Volts
HVIL PWM peak voltage Sensed - Vehicle	0.416	Volts
HVIL Source Voltage- Battery	7.267	Volts
HVIL Returned current - Battery	0.30	mA
HV Battery Current Sensor 1 Hall High	-1.05	Amps
HV Battery Current Sensor 2 Hall Low	0.00	Amps
HV Battery Current HVBatCrnt	0.00	Amps
HV Cooling Speed Pump 1 Target	725	rpm
HV Cooling Speed pump 1 Speed	725	rpm
Charge indicator Temp	84	°F
BPCM temperature max	-40	°F
BPCM temperature min	-40	°F

Pump - Wire Open\Short to Gnd	PASS	
Pump - Dry Run Detection	PASS	
Pump - Overcurrent	PASS	
Pump - Overtemperature	PASS	
Pump - Switch Power Shorted	PASS	
Isolation Circuitry Va	2.498	Volts
Isolation Circuitry Vb	2.501	Volts
Isolation Circuitry Vd	0.000	Volts
WC and Circuitry 2.5V Reference Voltage	2.500	Volts
WC and Circuitry Vcc Voltage	5.004	Volts
WC and CircuitryISO 8V Reference Voltage	7.941	Volts
WC and Circuitry Weld Contactor Sensor G (Pack Negative) Voltage	-0.8	Volts
Cycles left to self heal	40	No Unit
Fault trigger level 1	False	
Fault trigger level 2	False	
Fault trigger level 3	False	
Fault Path	01	
HV Battery Charge Power 2sec	0	watts
HV Battery Charge Power 10sec	0	watts
HV Battery Discharge Power 2sec	0	watts
HV Battery Discharge Power 10sec	0	watts
HV Battery Power	007530	watts
Key - DriveRdy (CAN)	False	
Battery Lifetime Number Of Closes	1876	
Battery Full AmpHr Capacity	0	AmpHrs
Cell Impedance Max Discharge	0	mOhms
Cell Impedance Mim Discharge	0	mOhms
Battery Cell Voltage Maximum	0	mV
Battery Cell Voltage Minimum	34464	mV
Battery Cell Voltage Average	3958	mV
Battery Cell Highest Cell number	00	
Battery Cell Lowest Cell number	00	
HV Battery Voltage (cell sum)	0.00	Volts
HV Battery Voltage (Module Sum)	0.00	Volts
HV Sensor A Pack Voltage	1.30	Volts
HV Sensor B Bus\Link (Pre-Fuse) Voltage	0.70	Volts
HV Sensor C OBCM (HVOBC Fuse) Voltage	0.70	Volts
HV Sensor D Heater (HVHTR Fuse) Voltage	0.70	Volts
HV Sensor G Weld Contactor(Pack Negative) Voltage	-0.8	Volts
Battery Temperature Maximum Module	-40	°F
Battery Temperature Minimum Module	-40	°F
Battery Temperature Average Module	-40	°F
Battery Temperature Highest Sensor number	01	
Battery Temperature Lowest Sensor number	01	

Battery Temperature Number of Failing Sensors	12	
HV Cooling Pump Relay Drive	Not Sourced	
HV Cooling Battery coolant inlet temp	86	°F
HV Cooling Battery coolant outlet temp	86	°F
HV Cooling OBCM temp inlet Temp	93	°F
Pump - Battery Coolant Level Low	False	
Isolation Vehicle Diagnostic Status	Run and Passed	
Isolation Vehicle Impedance	7.6223	Mega Ohms
Isolation Battery Diagnostic Status	Run and Passed	
Isolation Battery Impedance	0.8480	Mega Ohms
HV Bat SOH-R	0.0	%
HV Bat SOH-C	0.0	%
BPCM Sec Asic Reset Req	Not Active	
BPCM Sec QA Error Counter	0	cnts
BPCM Sec MM Hw Reset Error Counter	0	cnts
BPCM Sec Asic Fault Input	Active	
BPCM Sec CC Path Test Active	Not Active	
BPCM L2 General Monitoring Flt Rsn	L2L1_CELL_MAX_V_CMP_FLT	
BPCM L2 CC Path Test Req	Undetermined	
BPCM L2 Contactor Dslb Req	Undetermined	
BPCM L2 ASIC Diagnostic Flt Rsn	ADCTest	
BPCM Sec HW Timer Status	Not Active	
BPCM Sec Contactor State	Open	
BPCM Main HW Timer Status	Not Active	
BPCM Sec Asic Fault State	Undefined	
BPCM L2 SM Hw Reset Error Counter	0	No Unit
Engine Speed	0	rpm
Accelerator position	0.0	%
Real time clock	429496.7295	seconds
Real time clock-OS Task Delay Timer	0	
Real Time Clock Validity	True	
DTC	1A E2 00	
Test Failed	False	
Test Failed This Operation Cycle	True	
Pending DTC	True	
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	9316	miles
Most Recent Odometer Value	9316	miles

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

NAME	VALUE	UNITS
Frequency Counter	1	
Ignition Cycle Counter	1	
FoM - for this DTC (lifetime fails)	16	events
FoM - for this DTC (lifetime fails counts on pass)	10.4000	seconds
FoM - for this DTC (lifetime longest fail on pass)	0.100	seconds
Battery Total Time Awake	14957970	seconds
Key in Ignition	Key_Def	
Key Position	Ign_Lock	
EPT -WakeUp	Sourced	
HCP Contactor Command	Impact Open	
Qualified Contactor Command - QCC	Open	
Verified Contactor Command - VCC	Invalid	
Contactor Status	Open	
Plug in Status	Not plugged in	
ChargingLevel	Plug in, but no charge	
Balance Mode	False	
Battery in Periodic wake up (Just battery) at time of Fault	False	
Battery in Periodic wake up (Wake up vehicle) at time of Fault	False	
Vehicle mileage at time of fault (ODO signal in \$3D2)	9323.97	miles
Battery Lifetime Miles	6750E6	miles
Vehicle Speed	0.0	MPH
System (12) Volts at time of fault	12.698	Volts
Battery Lifetime AmpHrs of Charge	0.0	AHr
Battery Lifetime AmpHrs of DisCharge	0.0	AHr
SOC at time of Fault	0.0	%
Power Up SOC at time of Fault	0.0	%
HVIL Status -Vehicle	Not Sourced	
HVIL Status - Battery pack	Not Sourced	
HVIL PWM Duty Cycle - Vehicle	0.0	%
HVIL PWM Frequency - Vehicle	0.0	Hz
HVIL PWM peak voltage Sourced - Vehicle	11.634	Volts
HVIL PWM peak voltage Sensed - Vehicle	0.416	Volts
HVIL Source Voltage- Battery	7.267	Volts
HVIL Returned current - Battery	0.30	mA
HV Battery Current Sensor 1 Hall High	-1.05	Amps
HV Battery Current Sensor 2 Hall Low	0.00	Amps
HV Battery Current HVBatCrnt	0.00	Amps
HV Cooling Speed Pump 1 Target	725	rpm
HV Cooling Speed pump 1 Speed	725	rpm
Charge indicator Temp	84	°F

BPCM temperature max	-40	°F
BPCM temperature min	-40	°F
Pump - Wire Open\Short to Gnd	PASS	
Pump - Dry Run Detection	PASS	
Pump - Overcurrent	PASS	
Pump - Overtemperature	PASS	
Pump - Switch Power Shorted	PASS	
Isolation Circuitry Va	2.498	Volts
Isolation Circuitry Vb	2.501	Volts
Isolation Circuitry Vd	0.000	Volts
WC and Circuitry 2.5V Reference Voltage	2.500	Volts
WC and Circuitry Vcc Voltage	5.004	Volts
WC and CircuitryISO 8V Reference Voltage	7.941	Volts
WC and Circuitry Weld Contactor Sensor G (Pack Negative) Voltage	-0.8	Volts
Cycles left to self heal	40	No Unit
Fault trigger level 1	False	
Fault trigger level 2	False	
Fault trigger level 3	False	
Fault Path	01	
HV Battery Charge Power 2sec	0	watts
HV Battery Charge Power 10sec	0	watts
HV Battery Discharge Power 2sec	0	watts
HV Battery Discharge Power 10sec	0	watts
HV Battery Power	007530	watts
Key - DriveRdy (CAN)	False	
Battery Lifetime Number Of Closes	1876	
Battery Full AmpHr Capacity	0	AmpHrs
Cell Impedance Max Discharge	0	mOhms
Cell Impedance Mim Discharge	0	mOhms
Battery Cell Voltage Maximum	0	mV
Battery Cell Voltage Minimum	34464	mV
Battery Cell Voltage Average	3958	mV
Battery Cell Highest Cell number	00	
Battery Cell Lowest Cell number	00	
HV Battery Voltage (cell sum)	0.00	Volts
HV Battery Voltage (Module Sum)	0.00	Volts
HV Sensor A Pack Voltage	1.30	Volts
HV Sensor B Bus\Link (Pre-Fuse) Voltage	0.70	Volts
HV Sensor C OBCM (HVOBC Fuse) Voltage	0.70	Volts
HV Sensor D Heater (HVHTR Fuse) Voltage	0.70	Volts
HV Sensor G Weld Contactor(Pack Negative) Voltage	-0.8	Volts
Battery Temperature Maximum Module	-40	°F
Battery Temperature Minimum Module	-40	°F
Battery Temperature Average Module	-40	°F

Battery Temperature Highest Sensor number	01	
Battery Temperature Lowest Sensor number	01	
Battery Temperature Number of Failing Sensors	12	
HV Cooling Pump Relay Drive	Not Sourced	
HV Cooling Battery coolant inlet temp	86	°F
HV Cooling Battery coolant outlet temp	86	°F
HV Cooling OBCM temp inlet Temp	93	°F
Pump - Battery Coolant Level Low	False	
Isolation Vehicle Diagnostic Status	Run and Passed	
Isolation Vehicle Impedance	7.6223	Mega Ohms
Isolation Battery Diagnostic Status	Run and Passed	
Isolation Battery Impedance	0.8480	Mega Ohms
HV Bat SOH-R	0.0	%
HV Bat SOH-C	0.0	%
BPCM Sec Asic Reset Req	Not Active	
BPCM Sec QA Error Counter	0	cnts
BPCM Sec MM Hw Reset Error Counter	0	cnts
BPCM Sec Asic Fault Input	Active	
BPCM Sec CC Path Test Active	Not Active	
BPCM L2 General Monitoring Flt Rsn	L2L1_CELL_MAX_V_CMP_FLT	
BPCM L2 CC Path Test Req	Undetermined	
BPCM L2 Contactor Dslb Req	Undetermined	
BPCM L2 ASIC Diagnostic Flt Rsn	ADCTest	
BPCM Sec HW Timer Status	Not Active	
BPCM Sec Contactor State	Open	
BPCM Main HW Timer Status	Not Active	
BPCM Sec Asic Fault State	Undefined	
BPCM L2 SM Hw Reset Error Counter	0	No Unit
Engine Speed	0	rpm
Accelerator position	0.0	%
Real time clock	429496.7295	seconds
Real time clock-OS Task Delay Timer	0	
Real Time Clock Validity	True	
DTC	0A 0A 00	
Test Failed	False	
Test Failed This Operation Cycle	True	
Pending DTC	True	
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	9316	miles
Most Recent Odometer Value	9316	miles
DTC Extended Data Record Number - 2	04	

HCP | POA0A-00 | Stored | High Voltage System Interlock Circuit "A"-

NAME	VALUE	UNITS
DTC	0A 0A 00	
Test Failed	False	
Test Failed This Operation Cycle	True	
Pending DTC	True	
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	9324.0	miles
Most Recent Odometer Value	9324.0	miles
Frequency Counter	1	
Ignition Cycle Counter	0	
Real time clock	14957972	sec
RAM stamps keyOn	0	sec
RAM Stamps	71226	Min
Accelerator Pedal Position	0	%
Brake Switch Status	Not Applied	
Engine Speed	0	rpm
HV Battery SOC	69	%
Ignition State	Ignition Lock	
PRND Position Display	P	
Propulsion System Active	False	
Vehicle Speed	0.0000	MPH
Motor A Temp Sensor	106	°F
Motor B Temp Sensor	108	°F
Barometric Pressure	15	PSI
Engine Coolant Temperature	176	°F
Internal EPS Voltage Sense A	0.000	Volts
Internal EPS Voltage Sense B	0.000	Volts
Motor A Torque	0.000	Ft-Lbs
Motor B Torque	0.000	Ft-Lbs
Actual Torque - Motor A	0.000	Ft-Lbs
Actual Torque - Motor B	0.000	Ft-Lbs
Available Motor Torque - Motor A	43.603	Ft-Lbs
Available Motor Torque - Motor B	116.150	Ft-Lbs
Available Regen Torque - Motor A	-43.603	Ft-Lbs

Available Regen Torque - Motor B	-116.150	Ft-Lbs
Commanded Torque - Motor A	0.000	Ft-Lbs
Commanded Torque - Motor B	0.000	Ft-Lbs
Motor A - Inverter Current - phase A	0	AMP
Motor A - Inverter Current - phase B	0	AMP
Motor A - Inverter Current - phase C	0	AMP
Motor B - Inverter Current - phase A	0	AMP
Motor B - Inverter Current - phase B	-4	AMP
Motor B - Inverter Current - phase C	0	AMP
Motor B Resolver Angle	204	Degree
Motor A Resolver Angle	306	Degree
Electric Motor A Speed	0.0	rpm
Electric Motor B Speed	0.5	rpm
PIM DC Link Voltage - A	4	Volts
PIM DC Link Voltage - B	5	Volts
HCP ePT Wake-Up Output	On	
CBC Wake-Up Input	Off	
HCP System Shutdown Command	Default	
HV Battery Voltage from BPCM	180.00	Volts
SW Build Release Version	PIM_21C_2107B0_RU_HCP___	
HCP SW Version	21C	
EPT LOC Diag Enable	Disable LOC Daignostic	
HV Contactor Status	Open	
APM Status	Idle	
Impact Event	False	
Outside Air Temperature	88.7	°F
OBCM Operating Mode	UTC	
J1772 Prox Detected State	Prox Out	
HV Battery Sleep Time	0	Days
Battery Feed Voltage 1 Sense	12.384	Volts
Battery Feed Voltage 2 Sense	12.384	Volts
Battery Feed Voltage 3 Sense	12.384	Volts
Hybrid System State	Power Up	
Inverter A IGBT Temperature for phase A	100	°F
Inverter A IGBT Temperature for phase B	99	°F
Inverter A IGBT Temperature for phase C	100	°F
Inverter B IGBT Temperature for phase A	100	°F
Inverter B IGBT Temperature for phase B	100	°F
Inverter B IGBT Temperature for phase C	100	°F
PHEV Charging Status	No Charging	
Distance Travelled with Light ON	0	miles
GPS Date - Year	0	Year
GPS Date - Month	1	
GPS Date - Day	1	Days

UTC Time - Hours	0	Hours
UTC Time - Minutes	0	
UTC Time - Seconds	2	seconds
ECU Time - Milliseconds	500	ms

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	9114.4	miles
Most Recent Odometer Value	9205.1	miles
Frequency Counter	3	
Ignition Cycle Counter	6	
Real time clock	14774212	sec
RAM stamps keyOn	375	sec
RAM Stamps	70640	Min
Accelerator Pedal Position	0	%
Brake Switch Status	Not Applied	
PHEV Charging Status	No Charging	
Engine Speed	0	rpm
HV Battery SOC	32	%
Ignition State	Reserved	
PRND Position Display	N	
Propulsion System Active	False	
Vehicle Speed	77.2782	MPH
Motor A Temp Sensor	106	°F
Motor B Temp Sensor	104	°F
Barometric Pressure	14	PSI
Engine Coolant Temperature	144	°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	2.40	Degree
Motor B Resolver Angle Offset	2.80	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	14.760	Volts
Internal EPS Voltage Sense A	8.208	Volts
Internal EPS Voltage Sense B	8.064	Volts
Actual Torque - Motor A	0.000	Ft-Lbs
Actual Torque - Motor B	-4.056	Ft-Lbs
Available Motor Torque - Motor A	0.000	Ft-Lbs
Available Motor Torque - Motor B	79.001	Ft-Lbs
Available Regen Torque - Motor A	0.000	Ft-Lbs
Available Regen Torque - Motor B	-79.001	Ft-Lbs
Commanded Torque - Motor A	0.000	Ft-Lbs
Commanded Torque - Motor B	0.000	Ft-Lbs
Electric Motor A Speed	-10428.5	rpm
Electric Motor B Speed	8462.5	rpm
Battery Feed Voltage 1 Sense	14.688	Volts
Battery Feed Voltage 3 Sense	14.544	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	40	AMP
Motor B - Inverter Current - phase B	-8	AMP
Motor B - Inverter Current - phase C	-36	AMP
Outside Air Temperature	68.0	°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	340.90	Volts
PIM DC Link Voltage - A	341	Volts
PIM DC Link Voltage - B	342	Volts
Inverter A IGBT Temperature for phase A	77	°F
Inverter A IGBT Temperature for phase B	75	°F
Inverter A IGBT Temperature for phase C	75	°F
Inverter B IGBT Temperature for phase A	75	°F
Inverter B IGBT Temperature for phase B	75	°F
Inverter B IGBT Temperature for phase C	77	°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	-4.056	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	9	
GPS Date - Day	5	Days
UTC Time - Hours	12	Hours
UTC Time - Minutes	33	
UTC Time - Seconds	1	seconds
ECU Time - Milliseconds	275	ms

MSMP | B222D-00 | Stored | ECU Unable To Configure/Configuration Not Learned-

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	
DTC Extended Data Record Number - All	01	
Occurrence flag	Occurrence	
Original Odometer Value	9306	miles
Most Recent Odometer Value	9306	miles
Frequency Counter	1	
Ignition Cycle Counter	2	

ABSO | C2222-00 | Active | Improper Powerdown-

NAME	VALUE	UNITS
DTC	62 22 00	
Test Failed	True	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	False	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	True	
Occurrence flag	Error	
Controller Event	No	
Mirror Memory	No	
Undervoltage Suspected	No	

Original Odometer Value	0	miles
Most Recent Odometer Value	0	miles
Frequency Counter	1	
Ignition Cycle Counter	0	
Fault Time	0.00	S
Current System Mode	CAN active	
Previous System Mode	CAN active	
System Condition	OK	
Supply Voltage Valves	12.3	V
Brake Pedal Status	Released	
Supply voltage Pump	10.0	V
Brake Pedal Travel Sensor Position	0	%
Ignition Unfiltered	0.0	V
Wheel Speed Left Front	0.000	MPH
Rotation Direction Left Front	Forward	
Wheel Speed Right Front	0.000	MPH
Rotation Direction Right Front	Forward	
Wheel Speed Left Rear	0.000	MPH
Rotation Direction Left Rear	Forward	
Wheel Speed Right Rear	0.000	MPH
Rotation Direction Right Rear	Forward	
Steering Wheel Angle	0.00	°
Longitudinal Acceleration	0.00	m/s ²
Lateral Acceleration	0.00	m/s ²
Yaw Rate	0.000	°/s
Primary Circuit Pressure	0.00	PSI
Engine Speed	0.0	rpm
Accelerator Pedal Position	0.0	%
ABS control	Not Active	
ASR control	Not Active	
MSR control	Not Active	
EBV control	Not Active	
ESP Control	Not Active	
HSA control	Not Active	
HBA control	Not Active	
Hold	No	
Braking assistance system	No assistance system is braking	
Plant Mode	No	
EPB Mode Status	Limp Home	
BLS High	No	
BLS Low	Yes	
Park Brake	Not Activated	
ESP-OFF mode	No	
Clutch	Not Activated	

Stop Coordinator Active	No	
Actual Gear	N	
Transmission selector lever setting	P	
Status Parking Brake Left	Brake is in an Unknown State	
Status Parking Brake Right	Brake is in an Unknown State	
EPB Switch Status	Idle	
Supplier Internal Code	140	

SNAPSHOT DATA SUMMARY

No Snapshot Data available for B222D-00

No Snapshot Data available for B1612-00

No Snapshot Data available for B222C-00

No Snapshot Data available for P0B37-00

No Snapshot Data available for P1AE2-00

No Snapshot Data available for P0A0A-00

No Snapshot Data available for P0A0A-00

No Snapshot Data available for P0A43-00

No Snapshot Data available for B222D-00

No Snapshot Data available for C2222-00

