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VEHICLE HEALTH REPORT

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

Odometer 14221.8 miles
Publication Date Dec 8, 2021, 10:16:21 AM

ECU SUMMARY INFO

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

				P	
SCCM	Steering Column Control Module	CAN-C	68360889AD		68360889AD
BCM	Body Controller	CAN-C	68491085AG		68491085AG
ACC	Adaptive Cruise Control	CAN-C	68540436AA		68540436AA
RADIO	Radio	CAN-I	68465292AC		68465292AC
OCM	Occupant Classification	CAN-C	68403127AA		68403127AA
HVACR	Heat, Ventilation and A/C Rear	CAN-I	68373079AB		68373079AB
LBSS	Left Blind Spot Sensor	CAN-I	04672786AB		04672786AB
RBSS	Right Blind Spot Sensor	CAN-I	04672786AB		04672786AB
FFCM	Forward Facing Camera Module	CAN-C	68493395AA		68493395AA
APM	Accessory Power Module	CAN-C	05185046AB		05185046AB
BPCM	Battery Pack Control Module	CAN-C	05193183AE		05193183AE
HCP	Hybrid Control Processor	CAN-C	05185116AH		05185116AH
OBCM	On Board Charging Module	CAN-C	05185047AE		05185047AE
MSMP	Memory Seat Module - Passenger	CAN-I	68321862AC		68321862AC
DSM	Display Screen Module	CAN-I	68437339AD		68437339AD
RCCC	Rear Cabin Comfort Controls	CAN-I	6WL30DX9AA		6WL30DX9AA
EAC	Electric A/C Compressor	CAN-C	68237995AG		68237995AG
AHCP	Auxiliary Hybrid Control Processor	CAN-C	05185117AH		05185117AH
EBBM	Electronic Brake Booster Module	CAN-C	68461813AB		68461813AB
ABSO	Anti Lock Brakes OBD	CAN-C	68471122AD		68471122AD
SGW	Security Gateway Module	CAN-C	68488429AB		68488429AB
TBM2	Telematic Box Module 2	CAN-C	68546266AB		68546266AB

ECU SUMMARY INFO (CONT...)

ECU	COUNTRY CODE	HARDWARE VERSION	SOFTWARE VERSION	IDENT	CVNS
PCM	USA	1B 47	75 01 01	4422	F2DB13B9
PLGM	USA	0	5084	000200000031	
ICS	USA	0F 0C 00	13 31 01	4700	
RFH	USA / USA	10 17 00	13 26 00	4A00	
ESM	USA / USA	0F 24 00	12 28 FF	4402	

ORC	USA / USA	12 1A 00	13 2E 00	4301	
EPS	USA / USA	12 2A 00	12 1E 01	4502	
HVAC	USA	0E 09 00	14 2F 01	4401	
DDM	USA	11 07 00	14 07 00	4202	
PDM	USA	11 07 00	14 07 00	4202	
DMRL	USA / USA	10 0B 00	14 08 00	4201	
DMRR	USA / USA	10 0B 00	14 08 00	4201	
PSDML	USA / USA	10 17 00	14 10 12	4001	
PSDMR	USA / USA	10 17 00	14 10 12	4001	
MSM	USA	0F 2B 00	10 27 03	4101	
CSWM	USA	11 2A 00	14 25 00	4302	
AMP	USA	18 2E 01	13 15 00	4030	
IPC	USA / USA	12 06 00	14 2B 00	4705	
PTS	USA	0E 32 00	14 07 00	4311	
SCCM	USA	13 28 00	13 29 00	4301	
BCM	USA	0D 11 00	14 26 90	4420	
ACC	USA / USA	14 12 01	14 26 01	4400	
RADIO		65	5175	000200000008	
OCM	USA / USA	11 1F 01	0E 2F 02	4030	
HVACR	USA	0E 09 00	10 03 02	4301	
LBSS	USA / USA	11 30 02	12 0D 00	4202	
RBSS	USA / USA	11 30 02	12 0D 00	4202	
FFCM	USA / USA	11 06 00	13 1E 00	4102	
APM	USA / USA	11 32 00	11 32 00	4001	
BPCM	Not programmed / COUNTRY_SNA	0E 03 00	14 2C 00	4005	79855957
HCP	USA	11 1F 04	0F 2D 00	4006	879F1587 D754327D 050DC953
OBCM	USA	0F 0D 00	12 02 00	4002	
MSMP	USA	0F 2B 00	10 27 03	4001	
DSM	USA / USA	14 0C 00	14 28 00	4300	
RCCC	USA	0F 1D 00	13 04 00	4000	
EAC	USA	0E 34 00	12 0F 00	4102	
AHCP	USA	11 1F 04	0F 2D 00	4000	
EBBM	USA	0E 19 02	14 0D 18	4000	E5898FA5
ABSO	USA	0E 15 02	14 1B 26	4201	4F158D1B
SGW		5	969	4103	
TBM2	USA	13 0E 02	14 2A 5C	4104	

FLASHES

ACC | 2020 - 2021 RU DASM / ACC

Applicable Bulletins

FLASH #	TYPE	RRT #	DESCRIPTION
08-139-21	TSB		Flash: Adaptive Cruise Control (ACC) Module Enhancements

DSM | 2021 RU DSM / DCSD 10.1 W/CHROME BEZEL NAFTA**Applicable Bulletins**

FLASH #	TYPE	RRT #	DESCRIPTION
08-104-21 REV. A	TSB		Flash: Display Screen Module (DSM) System Updates

RRTS

RRT #	DESCRIPTION	STATUS
21-063	2021 RU PHEV PCM UPDATE	Complete
21-062	2021 RU PHEV HCP AND AHCP UPDATE	Complete

RECALLS

RECALL #	DESCRIPTION	STATUS
Y50	Customer Satisfaction Notification Y50 - Power Liftgate	Complete

DTC SUMMARY

ECU	DTC CODE	DTC DESCRIPTION	STATUS
DMRL	B224F-54	Door Module Internal-Missing Calibration	Active
DMRR	B224F-54	Door Module Internal-Missing Calibration	Active
HCP	P0A3C-00	Drive Motor A Inverter Over Temperature-	Stored
HCP	P0A3D-00	Drive Motor B Inverter Over Temperature-	Stored

ENVIRONMENTAL DATA SUMMARY**DMRL | B224F-54 | Active | Door Module Internal-Missing Calibration**

NAME	VALUE	UNITS
Test Failed	True	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number - All	01	
Occurrence flag	Error	
Original Odometer Value	14217	miles
Most Recent Odometer Value	14217	miles
Frequency Counter	1	
Ignition Cycle Counter	0	

DMRR | B224F-54 | Active | Door Module Internal-Missing Calibration

NAME	VALUE	UNITS
Test Failed	True	
Test Failed This Operation Cycle	False	

Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number - All	01	
Occurrence flag	Error	
Original Odometer Value	14217	miles
Most Recent Odometer Value	14217	miles
Frequency Counter	1	
Ignition Cycle Counter	0	

HCP | POA3C-00 | Stored | Drive Motor A Inverter Over Temperature-

NAME	VALUE	UNITS
DTC	0A 3C 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	14221.8	miles
Most Recent Odometer Value	14221.8	miles
Frequency Counter	1	
Ignition Cycle Counter	0	
Real time clock	31163392	sec
RAM stamps keyOn	780	sec
RAM Stamps	197	Min
Accelerator Pedal Position	0	%
Brake Switch Status	Not Applied	
PHEV Charging Status	No Charging	
Engine Speed	1099	rpm
HV Battery SOC	91	%
Ignition State	Reserved	
PRND Position Display	P	
Propulsion System Active	True	
Vehicle Speed	0.0000	MPH
Barometric Pressure	15	PSI
Engine Coolant Temperature	136	°F
Actual Torque - Motor A	-7.282	Ft-Lbs

Available Motor Torque - Motor A	85.730	Ft-Lbs
Inverter A Input DC Current	-7.3	AMP
Electric Motor A Speed	4565.0	rpm
Motor A - Inverter Current - phase A	-28	AMP
Motor A - Inverter Current - phase B	40	AMP
Motor A - Inverter Current - phase C	-16	AMP
Motor A Phase U Short Fault - High-Side	False	
Motor A Phase U Cross Conduction Fault - High-Side	False	
Motor A Phase U Over Current Fault - High-Side	False	
Motor A Phase U Thermal Warning Fault - High-Side	False	
Motor A Phase U Thermal Shutdown Fault - High-Side	False	
Motor A Phase U Comm Error High Voltage Regulator Fault - High-Side	False	
Motor A Phase U Comm Error Low Voltage Regulator Fault - High-Side	False	
Motor A Phase U SPI Error Fault - High-Side	False	
Motor A Phase U Hardware Error Fault - High-Side	False	
Motor A Phase U Short Fault - Low-Side	False	
Motor A Phase U Cross Conduction Fault - Low-Side	False	
Motor A Phase U Over Current Fault - Low-Side	False	
Motor A Phase U Thermal Warning Fault - Low-Side	False	
Motor A Phase U Thermal Shutdown Fault - Low-Side	False	
Motor A Phase U SPI Error Fault - Low-Side	False	
Motor A Phase U Hardware Error Fault - Low-Side	False	
Motor A Phase V Short Fault - High-Side	False	
Motor A Phase V Cross Conduction Fault - High-Side	False	
Motor A Phase V Over Current Fault - High-Side	False	
Motor A Phase V Thermal Warning Fault - High-Side	False	
Motor A Phase V Thermal Shutdown Fault - High-Side	False	
Motor A Phase V Comm Error High Voltage Regulator Fault - High-Side	False	
Motor A Phase V Comm Error Low Voltage Regulator Fault - High-Side	False	
Motor A Phase V SPI Error Fault - High-Side	False	
Motor A Phase V Hardware Error Fault - High-Side	False	
Motor A Phase V Short Fault - Low-Side	False	
Motor A Phase V Cross Conduction Fault - Low-Side	False	
Motor A Phase V Over Current Fault - Low-Side	False	
Motor A Phase V Thermal Warning Fault - Low-Side	False	
Motor A Phase V Thermal Shutdown Fault - Low-Side	False	
Motor A Phase V SPI Error Fault - Low-Side	False	
Motor A Phase V Hardware Error Fault - Low-Side	False	
Motor A Phase W Short Fault - High-Side	False	
Motor A Phase W Over Current Fault - High-Side	False	
Motor A Phase W Thermal Warning Fault - High-Side	False	
Motor A Phase W Thermal Shutdown Fault - High-Side	False	
Motor A Phase W Comm Error Low Voltage Regulator Fault - High-Side	False	
Motor A Phase W SPI Error Fault - High-Side	False	

Motor A Phase W Hardware Error Fault - High-Side	False	
Motor A Phase W Short Fault - Low-Side	False	
Motor A Phase W Cross Conduction Fault - Low-Side	False	
Motor A Phase W Over Current Fault - Low-Side	False	
Motor A Phase W Thermal Warning Fault - Low-Side	False	
Motor A Phase W Thermal Shutdown Fault - Low-Side	False	
Motor A Phase W Comm Error Low Voltage Regulator Fault - Low-Side	False	
Motor A Phase W SPI Error Fault - Low-Side	False	
Motor A Phase W Hardware Error Fault - Low-Side	False	
Motor A Resolver Supply Voltage Value	15.75	Volts
Battery Feed Voltage 2 Sense	12.312	Volts
Battery Feed Voltage 3 Sense	12.168	Volts
Internal EPS Voltage Sense A	8.208	Volts
Internal EPS Voltage Sense B	8.064	Volts
Hybrid System State	Propulsion System Active	
PIM DC Link Voltage - A	394	Volts
PIM DC Link Voltage - B	393	Volts
Passive Pump Coolant Temp In Sensor	66	°F
Low Temp Active Pump Speed	0	rpm
High Temp Aux Pump - Actual Speed	0	rpm
Outside Air Temperature	62.6	°F
HV Contactor Status	Closed	
Inverter B Status Feedback	Normal On	
Battery Feed Voltage 1 Sense	12.312	Volts
Actual Torque - Motor B	-9.310	Ft-Lbs
Available Motor Torque - Motor B	232.762	Ft-Lbs
Available Regen Torque - Motor A	-85.730	Ft-Lbs
Available Regen Torque - Motor B	-232.762	Ft-Lbs
Commanded Torque - Motor A	-7.282	Ft-Lbs
Commanded Torque - Motor B	-9.126	Ft-Lbs
Motor B - Inverter Current - phase A	20	AMP
Motor B - Inverter Current - phase B	-20	AMP
Motor B - Inverter Current - phase C	-8	AMP
Motor B Resolver Angle	86	Degree
Motor B Temp Sensor	72	°F
HCP ePT Wake-Up Output	On	
CBC Wake-Up Input	Off	
EPT LOC Diag Enable	Enable LOC Diagnostic	
HV Battery Voltage from BPCM	393.40	Volts
Electric Motor B Speed	3.0	rpm
Inverter A IGBT Temperature for phase A	226	°F
Inverter A IGBT Temperature for phase B	239	°F
Inverter A IGBT Temperature for phase C	225	°F
Inverter B IGBT Temperature for phase A	226	°F

Inverter B IGBT Temperature for phase B	212	°F
Inverter B IGBT Temperature for phase C	181	°F
APM Status	Buck CV	
Impact Event	False	
HCP System Shutdown Command	Default	
Distance Travelled with Light ON	0	miles
Motor A Torque	-7.282	Ft-Lbs
Motor B Torque	-9.310	Ft-Lbs
OBCM Operating Mode	UTC	
J1772 Prox Detected State	Prox Out	
HV Battery Sleep Time	0	Days
Commanded Inverter A State	Torque Control	
Inverter Status Feedback	Normal On	
Motor A Phase U Over Voltage Fault VH - High-Side	False	
Motor A Phase U Under Voltage Fault VH - High-Side	False	
Motor A Phase U Over Voltage Fault VL - High-Side	False	
Motor A Phase U Under Voltage Fault VL - High-Side	False	
Motor A Phase U Over Voltage Fault VDD - High-Side	False	
Motor A Phase U Under Voltage Fault VDD - High-Side	False	
Motor A Phase U Over Voltage Fault VH - Low-Side	False	
Motor A Phase U Under Voltage Fault VH - Low-Side	False	
Motor A Phase U Over Voltage Fault VL - Low-Side	False	
Motor A Phase U Under Voltage Fault VL - Low-Side	False	
Motor A Phase U Over Voltage Fault VDD - Low-Side	False	
Motor A Phase U Under Voltage Fault VDD - Low-Side	False	
Motor A Phase U Comm Error High Voltage Regulator Fault - Low-Side	False	
Motor A Phase U Comm Error Low Voltage Regulator Fault - Low-Side	False	
Motor A Phase V Over Voltage Fault VH - High-Side	False	
Motor A Phase V Under Voltage Fault VH - High-Side	False	
Motor A Phase V Over Voltage Fault VL - High-Side	False	
Motor A Phase V Under Voltage Fault VL - High-Side	False	
Motor A Phase V Over Voltage Fault VDD - High-SideSide	False	
Motor A Phase V Under Voltage Fault VDD - High-Side	False	
Motor A Phase V Over Voltage Fault VH - Low-Side	False	
Motor A Phase V Under Voltage Fault VH - Low-Side	False	
Motor A Phase V Over Voltage Fault VL - Low-Side	False	
Motor A Phase V Under Voltage Fault VL - Low-Side	False	
Motor A Phase V Over Voltage Fault VDD - Low-Side	False	
Motor A Phase V Under Voltage Fault VDD - Low-Side	False	
Motor A Phase V Comm Error High Voltage Regulator Fault - Low-Side	False	
Motor A Phase V Comm Error Low Voltage Regulator Fault - Low-Side	False	
Motor A Phase W Cross Conduction Fault - High-Side	False	
Motor A Phase W Over Voltage Fault VH - High-Side	False	
Motor A Phase W Under Voltage Fault VH - High-Side	False	

Motor A Phase W Over Voltage Fault VL - High-Side	False	
Motor A Phase W Under Voltage Fault VL - High-Side	False	
Motor A Phase W Over Voltage Fault VDD - High-Side	False	
Motor A Phase W Under Voltage Fault VDD - High-Side	False	
Motor A Phase W Comm Error High Voltage Regulator Fault - High-Side	False	
Motor A Phase W Over Voltage Fault VH - Low-Side	False	
Motor A Phase W Under Voltage Fault VH - Low-Side	False	
Motor A Phase W Over Voltage Fault VL - Low-Side	False	
Motor A Phase W Under Voltage Fault VL - Low-Side	False	
Motor A Phase W Over Voltage Fault VDD - Low-Side	False	
Motor A Phase W Under Voltage Fault VDD - Low-Side	False	
Motor A Phase W Comm Error High Voltage Regulator Fault - Low-Side	False	
Inverter A Status Feedback	Normal On	
GPS Date - Year	2021	Year
GPS Date - Month	12	
GPS Date - Day	8	Days
UTC Time - Hours	14	Hours
UTC Time - Minutes	59	
UTC Time - Seconds	1	seconds
ECU Time - Milliseconds	112	ms

HCP | POA3D-00 | Stored | Drive Motor B Inverter Over Temperature-

NAME	VALUE	UNITS
DTC	0A 3D 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	14221.8	miles
Most Recent Odometer Value	14221.8	miles
Frequency Counter	1	
Ignition Cycle Counter	0	
Real time clock	31163466	sec
RAM stamps keyOn	855	sec
RAM Stamps	198	Min
Accelerator Pedal Position	0	%
Brake Switch Status	Not Applied	
PHEV Charging Status	No Charging	
Engine Speed	1098	rpm

HV Battery SOC	90	%
Ignition State	Reserved	
PRND Position Display	P	
Propulsion System Active	True	
Vehicle Speed	0.0000	MPH
Barometric Pressure	15	PSI
Engine Coolant Temperature	138	°F
Actual Torque - Motor B	-10.970	Ft-Lbs
Available Motor Torque - Motor B	232.670	Ft-Lbs
Inverter B Input DC Current	3.1	AMP
Electric Motor B Speed	3.5	rpm
Commanded Inverter B State	Torque Control	
Motor B - Inverter Current - phase A	24	AMP
Motor B - Inverter Current - phase B	-24	AMP
Motor B - Inverter Current - phase C	-8	AMP
Inverter B Status Feedback	Normal On	
Motor B Phase U Short Fault - High-Side	False	
Motor B Phase U Cross Conduction Fault - High-Side	False	
Motor B Phase U Thermal Warning Fault - High-Side	False	
Motor B Phase U Thermal Shutdown Fault - High-Side	False	
Motor B Phase U Comm Error High Voltage Regulator Fault - High-Side	False	
Motor B Phase U SPI Error Fault - High-Side	False	
Motor B Phase U Hardware Error Fault - High-Side	False	
Motor B Phase U Short Fault - Low-Side	False	
Motor B Phase U Cross Conduction Fault - Low-Side	False	
Motor B Phase U Over Current Fault - Low-Side	False	
Motor B Phase U Thermal Warning Fault - Low-Side	False	
Motor B Phase U Thermal Shutdown Fault - Low-Side	False	
Motor B Phase U Comm Error High Voltage Regulator Fault - Low-Side	False	
Motor B Phase U Comm Error Low Voltage Regulator Fault - Low-Side	False	
Motor B Phase U SPI Error Fault - Low-Side	False	
Motor B Phase U Hardware Error Fault - Low-Side	False	
Motor B Phase V Short Fault - High-Side	False	
Motor B Phase V Cross Conduction Fault - High-Side	False	
Motor B Phase V Over Current Fault - High-Side	False	
Motor B Phase V Thermal Warning Fault - High-Side	False	
Motor B Phase V Thermal Shutdown Fault - High-Side	False	
Motor B Phase V Comm Error High Voltage Regulator Fault - High-Side	False	
Motor B Phase V Comm Error Low Voltage Regulator Fault - High-Side	False	
Motor B Phase V SPI Error Fault - High-Side	False	
Motor B Phase V Hardware Error Fault - High-Side	False	
Motor B Phase V Short Fault - Low-Side	False	
Motor B Phase V Cross Conduction Fault - Low-Side	False	
Motor B Phase V Over Current Fault - Low-Side	False	

Motor B Phase V Thermal Warning Fault - Low-Side	False	
Motor B Phase V Thermal Shutdown Fault - Low-Side	False	
Motor B Phase V Comm Error High Voltage Regulator Fault - Low-Side	False	
Motor B Phase V Comm Error Low Voltage Regulator Fault - Low-Side	False	
Motor B Phase V SPI Error Fault - Low-Side	False	
Motor B Phase V Hardware Error Fault - Low-Side	False	
Motor B Phase W Short Fault - High-Side	False	
Motor B Phase W Cross Conduction Fault - High-Side	False	
Motor B Phase W Over Current Fault - High-Side	False	
Motor B Phase W Thermal Warning Fault - High-Side	False	
Motor B Phase W Comm Error High Voltage Regulator Fault - High-Side	False	
Motor B Phase W Comm Error Low Voltage Regulator Fault - High-Side	False	
Motor B Phase W SPI Error Fault - High-Side	False	
Motor B Phase W Hardware Error Fault - High-Side	False	
Motor B Phase W Short Fault - Low-Side	False	
Motor B Phase W Cross Conduction Fault - Low-Side	False	
Motor B Phase W Over Current Fault - Low-Side	False	
Motor B Phase W Thermal Warning Fault - Low-Side	False	
Motor B Phase W Thermal Shutdown Fault - Low-Side	False	
Motor B Phase W Comm Error High Voltage Regulator Fault - Low-Side	False	
Motor B Phase W Comm Error Low Voltage Regulator Fault - Low-Side	False	
Motor B Phase W SPI Error Fault - Low-Side	False	
Motor B Phase W Hardware Error Fault - Low-Side	False	
Motor B Resolver Supply Voltage Value	15.75	Volts
Battery Feed Voltage 2 Sense	12.312	Volts
Internal EPS Voltage Sense A	8.208	Volts
Internal EPS Voltage Sense B	8.064	Volts
Battery Feed Voltage 1 Sense	12.312	Volts
Battery Feed Voltage 3 Sense	12.168	Volts
Hybrid System State	Propulsion System Active	
Actual Torque - Motor A	-8.757	Ft-Lbs
Available Motor Torque - Motor A	85.730	Ft-Lbs
Available Regen Torque - Motor A	-85.730	Ft-Lbs
Available Regen Torque - Motor B	-232.670	Ft-Lbs
Commanded Torque - Motor A	-8.757	Ft-Lbs
Commanded Torque - Motor B	-10.970	Ft-Lbs
Motor A - Inverter Current - phase A	-8	AMP
Motor A - Inverter Current - phase B	-44	AMP
Motor A - Inverter Current - phase C	44	AMP
Motor A Resolver Angle	22	Degree
Motor A Temp Sensor	84	°F
Outside Air Temperature	62.6	°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	392.80	Volts
Electric Motor A Speed	4564.5	rpm
PIM DC Link Voltage - A	393	Volts
PIM DC Link Voltage - B	392	Volts
Inverter A IGBT Temperature for phase A	239	°F
Inverter A IGBT Temperature for phase B	252	°F
Inverter A IGBT Temperature for phase C	237	°F
Inverter B IGBT Temperature for phase A	239	°F
Inverter B IGBT Temperature for phase B	225	°F
Inverter B IGBT Temperature for phase C	194	°F
APM Status	Buck CV	
Impact Event	False	
HCP System Shutdown Command	Default	
Distance Travelled with Light ON	0	miles
Motor A Torque	-8.757	Ft-Lbs
Motor B Torque	-10.970	Ft-Lbs
OBCM Operating Mode	UTC	
J1772 Prox Detected State	Prox Out	
HV Battery Sleep Time	0	Days
Motor B Phase U Over Current Fault - High-Side	False	
Motor B Phase U Over Voltage Fault VH - High-Side	False	
Motor B Phase U Under Voltage Fault VH - High-Side	False	
Motor B Phase U Over Voltage Fault VL - High-Side	False	
Motor B Phase U Under Voltage Fault VL - High-Side	False	
Motor B Phase U Over Voltage Fault VDD - High-Side	False	
Motor B Phase U Under Voltage Fault VDD - High-Side	False	
Motor B Phase U Comm Error Low Voltage Regulator Fault - High-Side	False	
Motor B Phase U Over Voltage Fault VH - Low-Side	False	
Motor B Phase U Under Voltage Fault VH - Low-Side	False	
Motor B Phase U Over Voltage Fault VL - Low-Side	False	
Motor B Phase U Under Voltage Fault VL - Low-Side	False	
Motor B Phase U Over Voltage Fault VDD - Low-Side	False	
Motor B Phase U Under Voltage Fault VDD - Low-Side	False	
Motor B Phase V Over Voltage Fault VH - High-Side	False	
Motor B Phase V Under Voltage Fault VH - High-Side	False	
Motor B Phase V Over Voltage Fault VL - High-Side	False	
Motor B Phase V Under Voltage Fault VL - High-Side	False	
Motor B Phase V Over Voltage Fault VDD - High-Side	False	
Motor B Phase V Under Voltage Fault VDD - High-Side	False	
Motor B Phase V Over Voltage Fault VH - Low-Side	False	
Motor B Phase V Under Voltage Fault VH - Low-Side	False	
Motor B Phase V Over Voltage Fault VL - Low-Side	False	

Motor B Phase V Under Voltage Fault VL - Low-Side	False	
Motor B Phase V Over Voltage Fault VDD - Low-Side	False	
Motor B Phase V Under Voltage Fault VDD - Low-Side	False	
Motor B Phase W Over Voltage Fault VH - High-Side	False	
Motor B Phase W Under Voltage Fault VH - High-Side	False	
Motor B Phase W Over Voltage Fault VL - High-Side	False	
Motor B Phase W Under Voltage Fault VL - High-Side	False	
Motor B Phase W Over Voltage Fault VDD - High-Side	False	
Motor B Phase W Under Voltage Fault VDD - High-Side	False	
Motor B Phase W Thermal Shutdown Fault - High-Side	False	
Motor B Phase W Over Voltage Fault VH - Low-Side	False	
Motor B Phase W Under Voltage Fault VH - Low-Side	False	
Motor B Phase W Over Voltage Fault VL - Low-Side	False	
Motor B Phase W Under Voltage Fault VL - Low-Side	False	
Motor B Phase W Over Voltage Fault VDD - Low-Side	False	
Motor B Phase W Under Voltage Fault VDD - Low-Side	False	
GPS Date - Year	2021	Year
GPS Date - Month	12	
GPS Date - Day	8	Days
UTC Time - Hours	15	Hours
UTC Time - Minutes	1	
UTC Time - Seconds	0	seconds
ECU Time - Milliseconds	731	ms



VEHICLE SCAN REPORT

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

Odometer 14221.8 miles
Publication Date Dec 7, 2021, 1:51:47 PM

ECU SUMMARY INFO

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

P					
SCCM	Steering Column Control Module	CAN-C	68360889AD		68360889AD
BCM	Body Controller	CAN-C	68491085AG		68491085AG
ACC	Adaptive Cruise Control	CAN-C	68540436AA		68540436AA
RADIO	Radio	CAN-I	68465292AC		68465292AC
OCM	Occupant Classification	CAN-C	68403127AA		68403127AA
HVACR	Heat, Ventilation and A/C Rear	CAN-I	68373079AB		68373079AB
LBSS	Left Blind Spot Sensor	CAN-I	04672786AB		04672786AB
RBSS	Right Blind Spot Sensor	CAN-I	04672786AB		04672786AB
FFCM	Forward Facing Camera Module	CAN-C	68493395AA		68493395AA
APM	Accessory Power Module	CAN-C	05185046AB		05185046AB
BPCM	Battery Pack Control Module	CAN-C	05193183AE		05193183AE
HCP	Hybrid Control Processor	CAN-C	05185116AH		05185116AH
OBCM	On Board Charging Module	CAN-C	05185047AE		05185047AE
MSMP	Memory Seat Module - Passenger	CAN-I	68321862AC		68321862AC
DSM	Display Screen Module	CAN-I	68437339AD		68437339AD
RCCC	Rear Cabin Comfort Controls	CAN-I	6WL30DX9AA		6WL30DX9AA
EAC	Electric A/C Compressor	CAN-C	68237995AG		68237995AG
AHCP	Auxiliary Hybrid Control Processor	CAN-C	05185117AH		05185117AH
EBBM	Electronic Brake Booster Module	CAN-C	68461813AB		68461813AB
ABSO	Anti Lock Brakes OBD	CAN-C	68471122AD		68471122AD
SGW	Security Gateway Module	CAN-C	68488429AB		68488429AB
TBM2	Telematic Box Module 2	CAN-C	68546266AB		68546266AB

ECU SUMMARY INFO (CONT...)

ECU	COUNTRY CODE	HARDWARE VERSION	SOFTWARE VERSION	IDENT	CVNS
PCM	USA	1B 47	75 01 01	4422	F2DB13B9
PLGM	USA	0	5084	000200000031	
ICS	USA	0F 0C 00	13 31 01	4700	
RFH	USA / USA	10 17 00	13 26 00	4A00	
ESM	USA / USA	0F 24 00	12 28 FF	4402	

ORC	USA / USA	12 1A 00	13 2E 00	4301	
EPS	USA / USA	12 2A 00	12 1E 01	4502	
HVAC	USA	0E 09 00	14 2F 01	4401	
DDM	USA	11 07 00	14 07 00	4202	
PDM	USA	11 07 00	14 07 00	4202	
DMRL	USA / USA	10 0B 00	14 08 00	4201	
DMRR	USA / USA	10 0B 00	14 08 00	4201	
PSDML	USA / USA	10 17 00	14 10 12	4001	
PSDMR	USA / USA	10 17 00	14 10 12	4001	
MSM	USA	0F 2B 00	10 27 03	4101	
CSWM	USA	11 2A 00	14 25 00	4302	
AMP	USA	18 2E 01	13 15 00	4030	
IPC	USA / USA	12 06 00	14 2B 00	4705	
PTS	USA	0E 32 00	14 07 00	4311	
SCCM	USA	13 28 00	13 29 00	4301	
BCM	USA	0D 11 00	14 26 90	4420	
ACC	USA / USA	14 12 01	14 26 01	4400	
RADIO		65	5175	000200000008	
OCM	USA / USA	11 1F 01	0E 2F 02	4030	
HVACR	USA	0E 09 00	10 03 02	4301	
LBSS	USA / USA	11 30 02	12 0D 00	4202	
RBSS	USA / USA	11 30 02	12 0D 00	4202	
FFCM	USA / USA	11 06 00	13 1E 00	4102	
APM	USA / USA	11 32 00	11 32 00	4001	
BPCM	Not programmed / COUNTRY_SNA	0E 03 00	14 2C 00	4005	79855957
HCP	USA	11 1F 04	0F 2D 00	4006	879F1587 D754327D 050DC953
OBCM	USA	0F 0D 00	12 02 00	4002	
MSMP	USA	0F 2B 00	10 27 03	4001	
DSM	USA / USA	14 0C 00	14 28 00	4300	
RCCC	USA	0F 1D 00	13 04 00	4000	
EAC	USA	0E 34 00	12 0F 00	4102	
AHCP	USA	11 1F 04	0F 2D 00	4000	
EBBM	USA	0E 19 02	14 0D 18	4000	E5898FA5
ABSO	USA	0E 15 02	14 1B 26	4201	4F158D1B
SGW		5	969	4103	
TBM2	USA	13 0E 02	14 2A 5C	4104	

DTC SUMMARY

ECU	DTC CODE	DTC DESCRIPTION	STATUS
PLGM	B21DD-16	System Voltage-Circuit Voltage Below Threshold	Stored
PLGM	B2199-16	Battery Voltage-Circuit Voltage Below Threshold	Stored
ICS	B210D-16	Battery Voltage Low-Circuit Voltage Below Threshold	Stored
ICS	B21DD-84	System Voltage-Signal Below Allowable Range	Stored

RFH	B2199-16	Battery Voltage-Circuit Voltage Below Threshold	Stored
RFH	B21DD-84	System Voltage-Signal Below Allowable Range	Stored
ESM	P1C8B-16	Battery Voltage-Circuit Voltage Below Threshold	Stored
ESM	P1C8C-16	System Voltage-Circuit Voltage Below Threshold	Stored
EPS	C2129-16	Battery Voltage-Circuit Voltage Below Threshold	Stored
EPS	C212A-84	System Voltage-Signal Below Allowable Range	Stored
HVAC	B210D-84	Battery Voltage Low-Signal Below Allowable Range	Stored
HVAC	B21DD-84	System Voltage-Signal Below Allowable Range	Stored
DDM	B210C-16	Battery Voltage Input-Circuit Voltage Below Threshold	Stored
DDM	B21DD-84	System Voltage-Signal Below Allowable Range	Stored
PDM	B210C-16	Battery Voltage Input-Circuit Voltage Below Threshold	Stored
PDM	B21DD-84	System Voltage-Signal Below Allowable Range	Stored
DMRL	B2199-16	Battery Voltage-Circuit Voltage Below Threshold	Stored
DMRL	B21DD-84	System Voltage-Signal Below Allowable Range	Stored
DMRR	B2199-16	Battery Voltage-Circuit Voltage Below Threshold	Stored
DMRR	B21DD-84	System Voltage-Signal Below Allowable Range	Stored
PSDML	B2199-16	Battery Voltage-Circuit Voltage Below Threshold	Stored
PSDML	B21DD-84	System Voltage-Signal Below Allowable Range	Stored
PSDMR	B2199-16	Battery Voltage-Circuit Voltage Below Threshold	Stored
PSDMR	B21DD-84	System Voltage-Signal Below Allowable Range	Stored
MSM	B210D-21	Battery Voltage Low-Signal Amplitude < Minimum	Stored
MSM	B210A-84	System Voltage Low-Signal Below Allowable Range	Stored
CSWM	B2199-16	Battery Voltage-Circuit Voltage Below Threshold	Stored
CSWM	B21DD-84	System Voltage-Signal Below Allowable Range	Stored
AMP	B21DD-84	System Voltage-Signal Below Allowable Range	Stored
IPC	B2199-16	Battery Voltage-Circuit Voltage Below Threshold	Stored
IPC	B21DD-84	System Voltage-Signal Below Allowable Range	Stored
PTS	B21DD-16	System Voltage-Circuit Voltage Below Threshold	Stored
PTS	B210C-16	Battery Voltage Input-Circuit Voltage Below Threshold	Stored
SCCM	C212A-16	System Voltage-Circuit Voltage Below Threshold	Stored
BCM	B2199-16	Battery Voltage-Circuit Voltage Below Threshold	Stored
ACC	C2129-16	Battery Voltage-Circuit Voltage Below Threshold	Stored
ACC	C212A-84	System Voltage-Signal Below Allowable Range	Stored
OCM	B210A-00	System Voltage Low-	Stored
HVACR	B2199-16	Battery Voltage-Circuit Voltage Below Threshold	Stored
HVACR	B21DD-84	System Voltage-Signal Below Allowable Range	Stored
LBSS	B21DD-84	System Voltage-Signal Below Allowable Range	Stored
LBSS	B2199-16	Battery Voltage-Circuit Voltage Below Threshold	Stored
RBSS	B21DD-84	System Voltage-Signal Below Allowable Range	Stored
RBSS	B2199-16	Battery Voltage-Circuit Voltage Below Threshold	Stored
BPCM	P0562-00	System Voltage Low-	Stored
BPCM	P1A0C-00	Battery Energy Control Module System Voltage Low-	Stored
HCP	P0562-00	System Voltage Low-	Stored
HCP	P0A3C-00	Drive Motor A Inverter Over Temperature-	Stored

HCP	P0A3D-00	Drive Motor B Inverter Over Temperature-	Stored
HCP	P1A27-00	On Board Charging Module System Voltage Low-	Stored
OBCM	P0562-00	System Voltage Low-	Stored
MSMP	B210D-21	Battery Voltage Low-Signal Amplitude < Minimum	Stored
MSMP	B210A-84	System Voltage Low-Signal Below Allowable Range	Stored
DSM	B2199-16	Battery Voltage-Circuit Voltage Below Threshold	Stored
DSM	B21DD-84	System Voltage-Signal Below Allowable Range	Stored
RCCC	B2199-16	Battery Voltage-Circuit Voltage Below Threshold	Stored
RCCC	B21DD-84	System Voltage-Signal Below Allowable Range	Stored
EBBM	P0562-00	System Voltage Low-	Stored
ABSO	C0021-00	Brake Booster-	Stored
ABSO	C2102-00	System Voltage Low-	Stored
SGW	B2199-16	Battery Voltage-Circuit Voltage Below Threshold	Stored
TBM2	B1570-93	USB Communication-No Operation	Stored
TBM2	U0184-00	Lost Communication With Radio-	Stored

ENVIRONMENTAL DATA SUMMARY

PLGM | B21DD-16 | Stored | System Voltage-Circuit Voltage Below Threshold

NAME	VALUE	UNITS
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PLGM | B2199-16 | Stored | Battery Voltage-Circuit Voltage Below Threshold

NAME	VALUE	UNITS
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ICS | B210D-16 | Stored | Battery Voltage Low-Circuit Voltage Below Threshold

NAME	VALUE	UNITS
Test Failed	False	
Test Failed This Operation Cycle	False	
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	Occurrence	
Original Odometer Value	14217	miles
Most Recent Odometer Value	14217	miles
Frequency Counter	1	
Ignition Cycle Counter	3	

ICS | B21DD-84 | Stored | System Voltage-Signal Below Allowable Range

NAME	VALUE	UNITS
Test Failed	False	

Test Failed This Operation Cycle	False	
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	Occurrence	
Original Odometer Value	14217	miles
Most Recent Odometer Value	14217	miles
Frequency Counter	1	
Ignition Cycle Counter	2	

RFH | B2199-16 | Stored | Battery Voltage-Circuit Voltage Below Threshold

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	False	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number - All	01	
Occurrence flag	Error	
Original Odometer Value	14217	miles
Most Recent Odometer Value	14217	miles
Frequency Counter	1	
Ignition Cycle Counter	3	

RFH | B21DD-84 | Stored | System Voltage-Signal Below Allowable Range

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	False	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number - All	01	
Occurrence flag	Error	
Original Odometer Value	14217	miles

Most Recent Odometer Value	14217	miles
Frequency Counter	1	
Ignition Cycle Counter	2	

ESM | P1C8B-16 | Stored | Battery Voltage-Circuit Voltage Below Threshold

NAME	VALUE	UNITS
DTC	1C 8B 16	
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	14217	miles
Most Recent Odometer Value	14217	miles
Frequency Counter	1	
Ignition Cycle Counter	2	
Ignition Status	Ignition Run	
Operating Voltage	9.9	Volts
Operation Time	25915	Min

ESM | P1C8C-16 | Stored | System Voltage-Circuit Voltage Below Threshold

NAME	VALUE	UNITS
DTC	1C 8C 16	
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	14217	miles
Most Recent Odometer Value	14217	miles
Frequency Counter	1	
Ignition Cycle Counter	2	
Ignition Status	Ignition Run	
Operating Voltage	10.0	Volts
Operation Time	25915	Min

EPS | C2129-16 | Stored | Battery Voltage-Circuit Voltage Below Threshold

NAME	VALUE	UNITS
DTC	61 29 16	
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	True	
Occurrence flag	Error	
Original Odometer Value	14217	miles
Most Recent Odometer Value	14217	miles
Frequency Counter	1	
Ignition Cycle Counter	2	
Supplier Internal Fault Code	00 B1 00	
EPS Internal Filtered Vehicle Speed	0.000	MPH
EPS Internal Steering Wheel Angle (Sign convention is positive angle towards left steering lock)	-34.72	Deg
EPS Steering Wheel Velocity	-0.00	deg/s
EPS System Current Draw	1	A
EPS Measured Module Voltage	9.85	V
EPS Steering Wheel Torque	0.0519	Ft-Lbs
EPS Measured Module Temperature	62.8	°F
CAN Battery Voltage	9.8	Volts

EPS | C212A-84 | Stored | System Voltage-Signal Below Allowable Range

NAME	VALUE	UNITS
DTC	61 2A 84	
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
Occurrence flag	Error	
Original Odometer Value	14217	miles
Most Recent Odometer Value	14217	miles
Frequency Counter	1	
Ignition Cycle Counter	2	
Supplier Internal Fault Code	01 4E 01	
EPS Internal Filtered Vehicle Speed	0.000	MPH

EPS Internal Steering Wheel Angle (Sign convention is positive angle towards left steering lock)	-34.72	Deg
EPS Steering Wheel Velocity	-0.00	deg/s
EPS System Current Draw	0	A
EPS Measured Module Voltage	10.04	V
EPS Steering Wheel Torque	0.0519	Ft-Lbs
EPS Measured Module Temperature	62.7	°F
CAN Battery Voltage	9.9	Volts

HVAC | B210D-84 | Stored | Battery Voltage Low-Signal Below Allowable Range

NAME	VALUE	UNITS
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
Occurrence flag	Error	
Original Odometer Value	14217	miles
Most Recent Odometer Value	14217	miles
Frequency Counter	1	
Ignition Cycle Counter	2	

HVAC | B21DD-84 | Stored | System Voltage-Signal Below Allowable Range

NAME	VALUE	UNITS
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
Occurrence flag	Error	
Original Odometer Value	14217	miles
Most Recent Odometer Value	14217	miles
Frequency Counter	1	
Ignition Cycle Counter	2	

DDM | B210C-16 | Stored | Battery Voltage Input-Circuit Voltage Below Threshold

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	FF	
Occurrence flag	Error	
Original Odometer Value	14217	miles
Most Recent Odometer Value	14217	miles
Frequency Counter	1	
Operation Cycle Counter	2	

DDM | B21DD-84 | Stored | System Voltage-Signal Below Allowable Range

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	FF	
Occurrence flag	Error	
Original Odometer Value	14217	miles
Most Recent Odometer Value	14217	miles
Frequency Counter	1	
Operation Cycle Counter	2	

PDM | B210C-16 | Stored | Battery Voltage Input-Circuit Voltage Below Threshold

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	FF	
Occurrence flag	Error	
Frequency Counter	1	
Operation Cycle Counter	2	

Most Recent Odometer Value	14217	miles
Original Odometer Value	14217	miles

PDM | B21DD-84 | Stored | System Voltage-Signal Below Allowable Range

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	FF	
Occurrence flag	Error	
Frequency Counter	1	
Operation Cycle Counter	2	
Most Recent Odometer Value	14217	miles
Original Odometer Value	14217	miles

DMRL | B2199-16 | Stored | Battery Voltage-Circuit Voltage Below Threshold

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	14217	miles
Most Recent Odometer Value	14217	miles
Frequency Counter	1	
Ignition Cycle Counter	3	

DMRL | B21DD-84 | Stored | System Voltage-Signal Below Allowable Range

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	14217	miles
Most Recent Odometer Value	14217	miles
Frequency Counter	1	
Ignition Cycle Counter	2	

DMRR | B2199-16 | Stored | Battery Voltage-Circuit Voltage Below Threshold

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	14217	miles
Most Recent Odometer Value	14217	miles
Frequency Counter	1	
Ignition Cycle Counter	3	

DMRR | B21DD-84 | Stored | System Voltage-Signal Below Allowable Range

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	14217	miles
Most Recent Odometer Value	14217	miles
Frequency Counter	1	
Ignition Cycle Counter	2	

PSDML | B2199-16 | Stored | Battery Voltage-Circuit Voltage Below Threshold

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	FF	
Occurrence flag	Occurrence	
Original Odometer Value	14217	miles
Most Recent Odometer Value	14217	miles
Frequency Counter	1	
Ignition Cycle Counter	3	

PSDML | B21DD-84 | Stored | System Voltage-Signal Below Allowable Range

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	FF	
Occurrence flag	Occurrence	
Original Odometer Value	14217	miles
Most Recent Odometer Value	14217	miles
Frequency Counter	1	
Ignition Cycle Counter	2	

PSDMR | B2199-16 | Stored | Battery Voltage-Circuit Voltage Below Threshold

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	FF	
Occurrence flag	Occurrence	
Original Odometer Value	14217	miles
Most Recent Odometer Value	14217	miles
Frequency Counter	1	
Ignition Cycle Counter	3	

PSDMR | B21DD-84 | Stored | System Voltage-Signal Below Allowable Range

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	FF	
Occurrence flag	Occurrence	
Original Odometer Value	14217	miles
Most Recent Odometer Value	14217	miles
Frequency Counter	1	
Ignition Cycle Counter	2	

MSM | B210D-21 | Stored | Battery Voltage Low-Signal Amplitude < Minimum

NAME	VALUE	UNITS
DTC	A1 0D 21	
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	14197	miles
Most Recent Odometer Value	14197	miles
Frequency Counter	1	
Ignition Cycle Counter	3	
DTC Extended Data Record Number	11	
Calibration Version	03 09 00 01	
Front Hard Stop - Current	33002	Counts

Rear Hard Stop - Current	32223	Counts
Learned Seat Travel - Current	779	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	33002	Counts
Rear Hard Stop - Post-destandardization	32223	Counts
Learned Seat Travel - Post-destandardization	779	Counts
ECU Voltage	1.464	Volts
Number of ECU hard resets since latest calibration	8	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	32230	Counts
Position Vertical Rear	32727	Counts
Position Recliner	32312	Counts
Position Vertical Front	32832	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	

MSM | B210A-84 | Stored | System Voltage Low-Signal Below Allowable Range

NAME	VALUE	UNITS
DTC	A1 0A 84	
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	14197	miles
Most Recent Odometer Value	14197	miles
Frequency Counter	1	
Ignition Cycle Counter	3	
DTC Extended Data Record Number	0F	
Calibration Version	03 09 00 01	
Front Hard Stop - Current	33002	Counts
Rear Hard Stop - Current	32223	Counts
Learned Seat Travel - Current	779	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	33002	Counts
Rear Hard Stop - Post-destandardization	32223	Counts
Learned Seat Travel - Post-destandardization	779	Counts
ECU Voltage	1.735	Volts
Number of ECU hard resets since latest calibration	8	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	32230	Counts
Position Vertical Rear	32727	Counts
Position Recliner	32312	Counts
Position Vertical Front	32832	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	

CSWM | B2199-16 | Stored | Battery Voltage-Circuit Voltage Below Threshold

NAME	VALUE	UNITS
DTC	A1 99 16	
DTC Extended Data Record Number - All	00	
Confirmed DTC	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
Frequency Counter	1	
Test Not Completed Since Last Clear	False	
Occurrence flag	Occurrence	
Operation Cycle Counter	3	
Most Recent Odometer Value	14217	miles
Pending DTC	False	
Test Failed Since Last Clear	True	
Test Failed	False	
Test Failed This Operation Cycle	False	
Original Odometer Value	14217	miles

CSWM | B21DD-84 | Stored | System Voltage-Signal Below Allowable Range

NAME	VALUE	UNITS
DTC	A1 DD 84	
DTC Extended Data Record Number - All	00	
Confirmed DTC	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
Frequency Counter	1	
Test Not Completed Since Last Clear	False	
Occurrence flag	Occurrence	
Operation Cycle Counter	3	
Most Recent Odometer Value	14217	miles
Pending DTC	False	
Test Failed Since Last Clear	True	
Test Failed	False	
Test Failed This Operation Cycle	False	
Original Odometer Value	14217	miles

AMP | B21DD-84 | Stored | System Voltage-Signal Below Allowable Range

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	FF	
Occurrence flag	Occurrence	
Original Odometer Value	14217	miles
Most Recent Odometer Value	14217	miles
Frequency Counter	1	
Ignition Cycle Counter	2	

IPC | B2199-16 | Stored | Battery Voltage-Circuit Voltage Below Threshold

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	FF	
Occurrence flag	Occurrence	
Original Odometer Value	14217	miles
Most Recent Odometer Value	14217	miles
Frequency Counter	1	
Ignition Cycle Counter	2	

IPC | B21DD-84 | Stored | System Voltage-Signal Below Allowable Range

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	FF	
Occurrence flag	Occurrence	
Original Odometer Value	14217	miles
Most Recent Odometer Value	14217	miles
Frequency Counter	1	
Ignition Cycle Counter	2	

PTS | B21DD-16 | Stored | System Voltage-Circuit Voltage Below Threshold

NAME	VALUE	UNITS
DTC	A1 DD 16	
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	03	
Occurrence flag	Error	
Original Odometer Value	14217	miles
Most Recent Odometer Value	14217	miles
Frequency Counter	1	
DC/DC Converter Voltage	02	Volt

PTS | B210C-16 | Stored | Battery Voltage Input-Circuit Voltage Below Threshold

NAME	VALUE	UNITS
DTC	A1 0C 16	
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	03	
Occurrence flag	Error	
Original Odometer Value	14217	miles
Most Recent Odometer Value	14217	miles
Frequency Counter	1	
DC/DC Converter Voltage	02	Volt

SCCM | C212A-16 | Stored | System Voltage-Circuit Voltage Below Threshold

NAME	VALUE	UNITS
DTC	61 2A 16	
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	

Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number - All	01	
Occurrence flag	Error	
Original Odometer Value	14217	miles
Most Recent Odometer Value	14217	miles
Frequency Counter	1	
Ignition Cycle Counter	3	
DTC Extended Data Record Number - 2	02	
Ignition Status	Ignition Run	
Operating Voltage	9.8	Volts
Sub-Faults Saved	00 00	
Sub-Faults Active	00 01	

BCM | B2199-16 | Stored | Battery Voltage-Circuit Voltage Below Threshold

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	Error	
Original Odometer Value	14217	miles
Most Recent Odometer Value	14217	miles
Frequency Counter	1	
Ignition Cycle Counter	3	

ACC | C2129-16 | Stored | Battery Voltage-Circuit Voltage Below Threshold

NAME	VALUE	UNITS
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	True	
Warning Indicator Requested	False	
Occurrence flag	Occurrence	
Original Odometer Value	14217	miles
Most Recent Odometer Value	14217	miles

Frequency Counter	1	
Operation Cycle Counter	1	
Vehicle Speed	0	MPH
Engine RPM	0	rpm
ACC Set Speed	0	MPH
Object of Interest Distance	830	FEET
Engine Torque Request	SNA	Ft-Lbs
PRNDL Status	P range	
Ignition Voltage	9.0	
System Voltage	9.2	Volts

ACC | C212A-84 | Stored | System Voltage-Signal Below Allowable Range

NAME	VALUE	UNITS
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
Occurrence flag	Occurrence	
Original Odometer Value	14217	miles
Most Recent Odometer Value	14217	miles
Frequency Counter	1	
Operation Cycle Counter	1	
Vehicle Speed	0	MPH
Engine RPM	0	rpm
ACC Set Speed	0	MPH
Object of Interest Distance	830	FEET
Engine Torque Request	SNA	Ft-Lbs
PRNDL Status	P range	
Ignition Voltage	9.9	
System Voltage	9.8	Volts

OCM | B210A-00 | Stored | System Voltage Low-

NAME	VALUE	UNITS
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	

Warning Indicator Requested	False	
Occurrence flag	Error	
Original Odometer Value	14217	miles
Most Recent Odometer Value	14217	miles
Frequency Counter	1	
Ignition Cycle Counter	3	

HVACR | B2199-16 | Stored | Battery Voltage-Circuit Voltage Below Threshold

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	Error	
Original Odometer Value	14217	miles
Most Recent Odometer Value	14217	miles
Frequency Counter	1	
Ignition Cycle Counter	3	

HVACR | B21DD-84 | Stored | System Voltage-Signal Below Allowable Range

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	Error	
Original Odometer Value	14217	miles
Most Recent Odometer Value	14217	miles
Frequency Counter	1	
Ignition Cycle Counter	3	

LBSS | B21DD-84 | Stored | System Voltage-Signal Below Allowable Range

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	14217	miles
Most Recent Odometer Value	14217	miles
Frequency Counter	1	
Operation Cycle Counter	3	

LBSS | B2199-16 | Stored | Battery Voltage-Circuit Voltage Below Threshold

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	14217	miles
Most Recent Odometer Value	14217	miles
Frequency Counter	1	
Operation Cycle Counter	4	

RBSS | B21DD-84 | Stored | System Voltage-Signal Below Allowable Range

NAME	VALUE	UNITS
DTC	A1 DD 84	
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	14217	miles
Most Recent Odometer Value	14217	miles
Frequency Counter	1	
Operation Cycle Counter	3	
DTC Extended Data Record Number - Record #2	02	
Vehicle Line	Correct	
Vehicle Config Stat	OK	
Model Year	Correct	
Country Code	Correct	
BSS Desired Operating Mode	Init	
BSS Current Operating Mode	BSM	

RBSS | B2199-16 | Stored | Battery Voltage-Circuit Voltage Below Threshold

NAME	VALUE	UNITS
DTC	A1 99 16	
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	14217	miles
Most Recent Odometer Value	14217	miles
Frequency Counter	1	
Operation Cycle Counter	4	
DTC Extended Data Record Number - Record #2	02	
Vehicle Line	Correct	
Vehicle Config Stat	OK	
Model Year	Correct	
Country Code	Correct	
BSS Desired Operating Mode	Init	
BSS Current Operating Mode	Init	

BPCM | P0562-00 | Stored | System Voltage Low-

NAME	VALUE	UNITS
Frequency Counter	1	
Ignition Cycle Counter	1	
FoM - for this DTC (lifetime fails)	1	events
FoM - for this DTC (lifetime fails counts on pass)	0.0000	seconds
FoM - for this DTC (lifetime longest fail on pass)	0.000	seconds

Battery Total Time Awake	31082980	seconds
Key in Ignition	Key_Def	
Key Position	Ign_Run	
EPT -WakeUp	Sourced	
HCP Contactor Command	Closed	
Qualified Contactor Command - QCC	Closed	
Verified Contactor Command - VCC	Closed Restricted	
Contactor Status	Closed	
Plug in Status	Not plugged in	
ChargingLevel	Plug in, but no charge	
Balance Mode	False	
Battery in Periodic wake up (Just battery) at time of Fault	False	
Battery in Periodic wake up (Wake up vehicle) at time of Fault	False	
Vehicle mileage at time of fault (ODO signal in \$3D2)	14221.61	miles
Battery Lifetime Miles	CD5832	miles
Vehicle Speed	0.0	MPH
System (12) Volts at time of fault	6.949	Volts
Battery Lifetime AmpHrs of Charge	7242.4	AHr
Battery Lifetime AmpHrs of DisCharge	7206.7	AHr
SOC at time of Fault	87.5	%
Power Up SOC at time of Fault	87.5	%
HVIL Status -Vehicle	PASS	
HVIL Status - Battery pack	PASS	
HVIL PWM Duty Cycle - Vehicle	49.8	%
HVIL PWM Frequency - Vehicle	87.9	Hz
HVIL PWM peak voltage Sourced - Vehicle	5.765	Volts
HVIL PWM peak voltage Sensed - Vehicle	5.662	Volts
HVIL Source Voltage- Battery	1.385	Volts
HVIL Returned current - Battery	30.60	mA
HV Battery Current Sensor 1 Hall High	-1.25	Amps
HV Battery Current Sensor 2 Hall Low	0.35	Amps
HV Battery Current HVBatCrnt	0.40	Amps
HV Cooling Speed Pump 1 Target	4975	rpm
HV Cooling Speed pump 1 Speed	2025	rpm
Charge indicator Temp	64	°F
BPCM temperature max	66	°F
BPCM temperature min	64	°F
Pump - Wire Open\Short to Gnd	PASS	
Pump - Dry Run Detection	PASS	
Pump - Overcurrent	PASS	
Pump - Overtemperature	PASS	
Pump - Switch Power Shorted	PASS	
Isolation Circuitry Va	2.500	Volts
Isolation Circuitry Vb	2.501	Volts

Isolation Circuitry Vd	0.000	Volts
WC and Circuitry 2.5V Reference Voltage	2.501	Volts
WC and Circuitry Vcc Voltage	4.968	Volts
WC and Circuitry ISO 8V Reference Voltage	7.985	Volts
WC and Circuitry Weld Contactor Sensor G (Pack Negative) Voltage	0.2	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	72462	watts
HV Battery Charge Power 10sec	57372	watts
HV Battery Discharge Power 2sec	105105	watts
HV Battery Discharge Power 10sec	102738	watts
HV Battery Power	007540	watts
Key - DriveRdy (CAN)	True	
Battery Lifetime Number Of Closes	1757	
Battery Full AmpHr Capacity	49	AmpHrs
Cell Impedance Max Discharge	0	mOhms
Cell Impedance Mim Discharge	0	mOhms
Battery Cell Voltage Maximum	4046	mV
Battery Cell Voltage Minimum	4027	mV
Battery Cell Voltage Average	4035	mV
Battery Cell Highest Cell number	86	
Battery Cell Lowest Cell number	66	
HV Battery Voltage (cell sum)	387.30	Volts
HV Battery Voltage (Module Sum)	386.70	Volts
HV Sensor A Pack Voltage	387.30	Volts
HV Sensor B Bus\Link (Pre-Fuse) Voltage	387.50	Volts
HV Sensor C OBCM (HVOBC Fuse) Voltage	387.50	Volts
HV Sensor D Heater (HVHTR Fuse) Voltage	387.30	Volts
HV Sensor G Weld Contactor(Pack Negative) Voltage	0.2	Volts
Battery Temperature Maximum Module	66	°F
Battery Temperature Minimum Module	64	°F
Battery Temperature Average Module	64	°F
Battery Temperature Highest Sensor number	09	
Battery Temperature Lowest Sensor number	11	
Battery Temperature Number of Failing Sensors	00	
HV Cooling Pump Relay Drive	Not Sourced	
HV Cooling Battery coolant inlet temp	64	°F
HV Cooling Battery coolant outlet temp	64	°F
HV Cooling OBCM temp inlet Temp	64	°F
Pump - Battery Coolant Level Low	False	
Isolation Vehicle Diagnostic Status	Run and Passed	

Isolation Vehicle Impedance	7.8310	Mega Ohms
Isolation Battery Diagnostic Status	Run and Passed	
Isolation Battery Impedance	0.8480	Mega Ohms
HV Bat SOH-R	95.3	%
HV Bat SOH-C	94.5	%
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	Close	
BPCM Main HW Timer Status	Not Active	
BPCM Sec Asic Fault State	NOTASSERTED	
BPCM L2 SM Hw Reset Error Counter	0	No Unit
Engine Speed	0	rpm
Accelerator position	7.8	%
Real time clock	429496.7295	seconds
Real time clock-OS Task Delay Timer	0	
Real Time Clock Validity	True	
DTC	05 62 00	
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number - All	01	
Occurrence flag	Error	
Original Odometer Value	14217	miles
Most Recent Odometer Value	14217	miles
DTC Extended Data Record Number - 2	00	

BPCM | P1A0C-00 | Stored | Battery Energy Control Module System Voltage Low-

NAME	VALUE	UNITS
Frequency Counter	1	
Ignition Cycle Counter	1	
FoM - for this DTC (lifetime fails)	1	events

FoM - for this DTC (lifetime fails counts on pass)	0.0000	seconds
FoM - for this DTC (lifetime longest fail on pass)	0.000	seconds
Battery Total Time Awake	31082474	seconds
Key in Ignition	Key_Def	
Key Position	Ign_ Run	
EPT -WakeUp	Sourced	
HCP Contactor Command	Closed	
Qualified Contactor Command - QCC	Closed	
Verified Contactor Command - VCC	Closed Restricted	
Contactor Status	Closed	
Plug in Status	Not plugged in	
ChargingLevel	Plug in, but no charge	
Balance Mode	False	
Battery in Periodic wake up (Just battery) at time of Fault	False	
Battery in Periodic wake up (Wake up vehicle) at time of Fault	False	
Vehicle mileage at time of fault (ODO signal in \$3D2)	14221.61	miles
Battery Lifetime Miles	CD5832	miles
Vehicle Speed	0.0	MPH
System (12) Volts at time of fault	9.868	Volts
Battery Lifetime AmpHrs of Charge	7242.4	AHr
Battery Lifetime AmpHrs of DisCharge	7206.7	AHr
SOC at time of Fault	87.5	%
Power Up SOC at time of Fault	87.5	%
HVIL Status -Vehicle	PASS	
HVIL Status - Battery pack	PASS	
HVIL PWM Duty Cycle - Vehicle	50.2	%
HVIL PWM Frequency - Vehicle	87.9	Hz
HVIL PWM peak voltage Sourced - Vehicle	8.656	Volts
HVIL PWM peak voltage Sensed - Vehicle	8.522	Volts
HVIL Source Voltage- Battery	1.385	Volts
HVIL Returned current - Battery	30.60	mA
HV Battery Current Sensor 1 Hall High	-1.45	Amps
HV Battery Current Sensor 2 Hall Low	0.25	Amps
HV Battery Current HVBatCrnt	0.30	Amps
HV Cooling Speed Pump 1 Target	0	rpm
HV Cooling Speed pump 1 Speed	0	rpm
Charge indicator Temp	64	°F
BPCM temperature max	66	°F
BPCM temperature min	64	°F
Pump - Wire Open\Short to Gnd	PASS	
Pump - Dry Run Detection	PASS	
Pump - Overcurrent	PASS	
Pump - Overtemperature	PASS	
Pump - Switch Power Shorted	PASS	

Isolation Circuitry Va	2.500	Volts
Isolation Circuitry Vb	2.501	Volts
Isolation Circuitry Vd	0.000	Volts
WC and Circuitry 2.5V Reference Voltage	2.501	Volts
WC and Circuitry Vcc Voltage	4.992	Volts
WC and CircuitryISO 8V Reference Voltage	7.985	Volts
WC and Circuitry Weld Contactor Sensor G (Pack Negative) Voltage	0.2	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	71832	watts
HV Battery Charge Power 10sec	56895	watts
HV Battery Discharge Power 2sec	105144	watts
HV Battery Discharge Power 10sec	102780	watts
HV Battery Power	00753C	watts
Key - DriveRdy (CAN)	True	
Battery Lifetime Number Of Closes	1757	
Battery Full AmpHr Capacity	49	AmpHrs
Cell Impedance Max Discharge	0	mOhms
Cell Impedance Mim Discharge	0	mOhms
Battery Cell Voltage Maximum	4047	mV
Battery Cell Voltage Minimum	4028	mV
Battery Cell Voltage Average	4036	mV
Battery Cell Highest Cell number	85	
Battery Cell Lowest Cell number	71	
HV Battery Voltage (cell sum)	387.50	Volts
HV Battery Voltage (Module Sum)	386.90	Volts
HV Sensor A Pack Voltage	387.50	Volts
HV Sensor B Bus\Link (Pre-Fuse) Voltage	387.60	Volts
HV Sensor C OBCM (HVOBC Fuse) Voltage	387.60	Volts
HV Sensor D Heater (HVHTR Fuse) Voltage	387.50	Volts
HV Sensor G Weld Contactor(Pack Negative) Voltage	0.2	Volts
Battery Temperature Maximum Module	66	°F
Battery Temperature Minimum Module	64	°F
Battery Temperature Average Module	64	°F
Battery Temperature Highest Sensor number	09	
Battery Temperature Lowest Sensor number	11	
Battery Temperature Number of Failing Sensors	00	
HV Cooling Pump Relay Drive	Not Sourced	
HV Cooling Battery coolant inlet temp	64	°F
HV Cooling Battery coolant outlet temp	64	°F
HV Cooling OBCM temp inlet Temp	64	°F

Pump - Battery Coolant Level Low	False	
Isolation Vehicle Diagnostic Status	Run and Passed	
Isolation Vehicle Impedance	7.8338	Mega Ohms
Isolation Battery Diagnostic Status	Run and Passed	
Isolation Battery Impedance	0.8480	Mega Ohms
HV Bat SOH-R	95.3	%
HV Bat SOH-C	94.5	%
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	Close	
BPCM Main HW Timer Status	Not Active	
BPCM Sec Asic Fault State	NOTASSERTED	
BPCM L2 SM Hw Reset Error Counter	0	No Unit
Engine Speed	0	rpm
Accelerator position	7.5	%
Real time clock	429496.7295	seconds
Real time clock-OS Task Delay Timer	0	
Real Time Clock Validity	True	
DTC	1A 0C 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	14217	miles
Most Recent Odometer Value	14217	miles
DTC Extended Data Record Number - 2	5A	

HCP | P0562-00 | Stored | System Voltage Low-

NAME	VALUE	UNITS
DTC	05 62 00	

Test Failed	False	
Test Failed This Operation Cycle	False	
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	14221.8	miles
Most Recent Odometer Value	14221.8	miles
Frequency Counter	1	
Ignition Cycle Counter	0	
Real time clock	31082444	sec
RAM stamps keyOn	405	sec
RAM Stamps	138	Min
Accelerator Pedal Position	0	%
Brake Switch Status	Not Applied	
Engine Speed	0	rpm
HV Battery SOC	87	%
Ignition State	Reserved	
PRND Position Display	P	
Propulsion System Active	False	
Vehicle Speed	0.0000	MPH
Motor A Temp Sensor	70	°F
Motor B Temp Sensor	70	°F
Barometric Pressure	15	PSI
Engine Coolant Temperature	64	°F
Internal EPS Voltage Sense A	8.208	Volts
Internal EPS Voltage Sense B	8.064	Volts
Motor A Torque	0.000	Ft-Lbs
Motor B Torque	0.000	Ft-Lbs
Actual Torque - Motor A	0.000	Ft-Lbs
Actual Torque - Motor B	0.000	Ft-Lbs
Available Motor Torque - Motor A	87.205	Ft-Lbs
Available Motor Torque - Motor B	232.301	Ft-Lbs
Available Regen Torque - Motor A	-87.205	Ft-Lbs
Available Regen Torque - Motor B	-232.301	Ft-Lbs
Commanded Torque - Motor A	0.000	Ft-Lbs
Commanded Torque - Motor B	0.000	Ft-Lbs
Motor A - Inverter Current - phase A	0	AMP
Motor A - Inverter Current - phase B	-4	AMP
Motor A - Inverter Current - phase C	0	AMP
Motor B - Inverter Current - phase A	-4	AMP

Motor B - Inverter Current - phase B	-4	AMP
Motor B - Inverter Current - phase C	-4	AMP
Motor B Resolver Angle	56	Degree
Motor A Resolver Angle	12	Degree
Electric Motor A Speed	0.5	rpm
Electric Motor B Speed	0.0	rpm
PIM DC Link Voltage - A	389	Volts
PIM DC Link Voltage - B	388	Volts
HCP ePT Wake-Up Output	On	
CBC Wake-Up Input	Off	
HCP System Shutdown Command	Default	
HV Battery Voltage from BPCM	388.70	Volts
SW Build Release Version	PIM_21B_2011B0_RU_HCP__	
HCP SW Version	21B	
EPT LOC Diag Enable	Enable LOC Diagnostic	
HV Contactor Status	Closed	
APM Status	Idle	
Impact Event	False	
Outside Air Temperature	64.4	°F
OBCM Operating Mode	UTC	
J1772 Prox Detected State	Prox Out	
HV Battery Sleep Time	0	Days
Battery Feed Voltage 1 Sense	10.080	Volts
Battery Feed Voltage 2 Sense	10.080	Volts
Battery Feed Voltage 3 Sense	10.008	Volts
Hybrid System State	Inverters Enabled	
Inverter A IGBT Temperature for phase A	91	°F
Inverter A IGBT Temperature for phase B	95	°F
Inverter A IGBT Temperature for phase C	93	°F
Inverter B IGBT Temperature for phase A	93	°F
Inverter B IGBT Temperature for phase B	93	°F
Inverter B IGBT Temperature for phase C	91	°F
PHEV Charging Status	No Charging	
Distance Travelled with Light ON	0	miles
GPS Date - Year	2021	Year
GPS Date - Month	12	
GPS Date - Day	7	Days
UTC Time - Hours	16	Hours
UTC Time - Minutes	30	
UTC Time - Seconds	1	seconds
ECU Time - Milliseconds	613	ms

HCP | P0A3C-00 | Stored | Drive Motor A Inverter Over Temperature-

NAME	VALUE	UNITS
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DTC	0A 3C 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	14221.4	miles
Most Recent Odometer Value	14221.8	miles
Frequency Counter	2	
Ignition Cycle Counter	0	
Real time clock	31083472	sec
RAM stamps keyOn	420	sec
RAM Stamps	154	Min
Accelerator Pedal Position	0	%
Brake Switch Status	Not Applied	
PHEV Charging Status	No Charging	
Engine Speed	1399	rpm
HV Battery SOC	88	%
Ignition State	Reserved	
PRND Position Display	P	
Propulsion System Active	True	
Vehicle Speed	0.0000	MPH
Barometric Pressure	15	PSI
Engine Coolant Temperature	118	°F
Actual Torque - Motor A	-17.054	Ft-Lbs
Available Motor Torque - Motor A	85.730	Ft-Lbs
Inverter A Input DC Current	-25.2	AMP
Electric Motor A Speed	5803.5	rpm
Motor A - Inverter Current - phase A	-68	AMP
Motor A - Inverter Current - phase B	-12	AMP
Motor A - Inverter Current - phase C	72	AMP
Motor A Phase U Short Fault - High-Side	False	
Motor A Phase U Cross Conduction Fault - High-Side	False	
Motor A Phase U Over Current Fault - High-Side	False	
Motor A Phase U Thermal Warning Fault - High-Side	False	
Motor A Phase U Thermal Shutdown Fault - High-Side	False	
Motor A Phase U Comm Error High Voltage Regulator Fault - High-Side	False	
Motor A Phase U Comm Error Low Voltage Regulator Fault - High-Side	False	
Motor A Phase U SPI Error Fault - High-Side	False	
Motor A Phase U Hardware Error Fault - High-Side	False	

Motor A Phase U Short Fault - Low-Side	False	
Motor A Phase U Cross Conduction Fault - Low-Side	False	
Motor A Phase U Over Current Fault - Low-Side	False	
Motor A Phase U Thermal Warning Fault - Low-Side	False	
Motor A Phase U Thermal Shutdown Fault - Low-Side	False	
Motor A Phase U SPI Error Fault - Low-Side	False	
Motor A Phase U Hardware Error Fault - Low-Side	False	
Motor A Phase V Short Fault - High-Side	False	
Motor A Phase V Cross Conduction Fault - High-Side	False	
Motor A Phase V Over Current Fault - High-Side	False	
Motor A Phase V Thermal Warning Fault - High-Side	False	
Motor A Phase V Thermal Shutdown Fault - High-Side	False	
Motor A Phase V Comm Error High Voltage Regulator Fault - High-Side	False	
Motor A Phase V Comm Error Low Voltage Regulator Fault - High-Side	False	
Motor A Phase V SPI Error Fault - High-Side	False	
Motor A Phase V Hardware Error Fault - High-Side	False	
Motor A Phase V Short Fault - Low-Side	False	
Motor A Phase V Cross Conduction Fault - Low-Side	False	
Motor A Phase V Over Current Fault - Low-Side	False	
Motor A Phase V Thermal Warning Fault - Low-Side	False	
Motor A Phase V Thermal Shutdown Fault - Low-Side	False	
Motor A Phase V SPI Error Fault - Low-Side	False	
Motor A Phase V Hardware Error Fault - Low-Side	False	
Motor A Phase W Short Fault - High-Side	False	
Motor A Phase W Over Current Fault - High-Side	False	
Motor A Phase W Thermal Warning Fault - High-Side	False	
Motor A Phase W Thermal Shutdown Fault - High-Side	False	
Motor A Phase W Comm Error Low Voltage Regulator Fault - High-Side	False	
Motor A Phase W SPI Error Fault - High-Side	False	
Motor A Phase W Hardware Error Fault - High-Side	False	
Motor A Phase W Short Fault - Low-Side	False	
Motor A Phase W Cross Conduction Fault - Low-Side	False	
Motor A Phase W Over Current Fault - Low-Side	False	
Motor A Phase W Thermal Warning Fault - Low-Side	False	
Motor A Phase W Thermal Shutdown Fault - Low-Side	False	
Motor A Phase W Comm Error Low Voltage Regulator Fault - Low-Side	False	
Motor A Phase W SPI Error Fault - Low-Side	False	
Motor A Phase W Hardware Error Fault - Low-Side	False	
Motor A Resolver Supply Voltage Value	15.75	Volts
Battery Feed Voltage 2 Sense	13.464	Volts
Battery Feed Voltage 3 Sense	13.248	Volts
Internal EPS Voltage Sense A	8.208	Volts
Internal EPS Voltage Sense B	8.064	Volts
Hybrid System State	Propulsion System Active	

PIM DC Link Voltage - A	395	Volts
PIM DC Link Voltage - B	394	Volts
Passive Pump Coolant Temp In Sensor	66	°F
Low Temp Active Pump Speed	0	rpm
High Temp Aux Pump - Actual Speed	0	rpm
Outside Air Temperature	64.4	°F
HV Contactor Status	Closed	
Inverter B Status Feedback	Normal On	
Battery Feed Voltage 1 Sense	13.464	Volts
Actual Torque - Motor B	-21.294	Ft-Lbs
Available Motor Torque - Motor B	232.670	Ft-Lbs
Available Regen Torque - Motor A	-85.730	Ft-Lbs
Available Regen Torque - Motor B	-232.670	Ft-Lbs
Commanded Torque - Motor A	-16.962	Ft-Lbs
Commanded Torque - Motor B	-21.110	Ft-Lbs
Motor B - Inverter Current - phase A	32	AMP
Motor B - Inverter Current - phase B	-52	AMP
Motor B - Inverter Current - phase C	12	AMP
Motor B Resolver Angle	64	Degree
Motor B Temp Sensor	75	°F
HCP ePT Wake-Up Output	On	
CBC Wake-Up Input	Off	
EPT LOC Diag Enable	Enable LOC Diagnostic	
HV Battery Voltage from BPCM	394.10	Volts
Electric Motor B Speed	3.0	rpm
Inverter A IGBT Temperature for phase A	230	°F
Inverter A IGBT Temperature for phase B	239	°F
Inverter A IGBT Temperature for phase C	226	°F
Inverter B IGBT Temperature for phase A	214	°F
Inverter B IGBT Temperature for phase B	207	°F
Inverter B IGBT Temperature for phase C	169	°F
APM Status	Buck CV	
Impact Event	False	
HCP System Shutdown Command	Default	
Distance Travelled with Light ON	0	miles
Motor A Torque	-17.054	Ft-Lbs
Motor B Torque	-21.294	Ft-Lbs
OBCM Operating Mode	UTC	
J1772 Prox Detected State	Prox Out	
HV Battery Sleep Time	0	Days
Commanded Inverter A State	Torque Control	
Inverter Status Feedback	Normal On	
Motor A Phase U Over Voltage Fault VH - High-Side	False	
Motor A Phase U Under Voltage Fault VH - High-Side	False	

Motor A Phase U Over Voltage Fault VL - High-Side	False	
Motor A Phase U Under Voltage Fault VL - High-Side	False	
Motor A Phase U Over Voltage Fault VDD - High-Side	False	
Motor A Phase U Under Voltage Fault VDD - High-Side	False	
Motor A Phase U Over Voltage Fault VH - Low-Side	False	
Motor A Phase U Under Voltage Fault VH - Low-Side	False	
Motor A Phase U Over Voltage Fault VL - Low-Side	False	
Motor A Phase U Under Voltage Fault VL - Low-Side	False	
Motor A Phase U Over Voltage Fault VDD - Low-Side	False	
Motor A Phase U Under Voltage Fault VDD - Low-Side	False	
Motor A Phase U Comm Error High Voltage Regulator Fault - Low-Side	False	
Motor A Phase U Comm Error Low Voltage Regulator Fault - Low-Side	False	
Motor A Phase V Over Voltage Fault VH - High-Side	False	
Motor A Phase V Under Voltage Fault VH - High-Side	False	
Motor A Phase V Over Voltage Fault VL - High-Side	False	
Motor A Phase V Under Voltage Fault VL - High-Side	False	
Motor A Phase V Over Voltage Fault VDD - High-SideSide	False	
Motor A Phase V Under Voltage Fault VDD - High-Side	False	
Motor A Phase V Over Voltage Fault VH - Low-Side	False	
Motor A Phase V Under Voltage Fault VH - Low-Side	False	
Motor A Phase V Over Voltage Fault VL - Low-Side	False	
Motor A Phase V Under Voltage Fault VL - Low-Side	False	
Motor A Phase V Over Voltage Fault VDD - Low-Side	False	
Motor A Phase V Under Voltage Fault VDD - Low-Side	False	
Motor A Phase V Comm Error High Voltage Regulator Fault - Low-Side	False	
Motor A Phase V Comm Error Low Voltage Regulator Fault - Low-Side	False	
Motor A Phase W Cross Conduction Fault - High-Side	False	
Motor A Phase W Over Voltage Fault VH - High-Side	False	
Motor A Phase W Under Voltage Fault VH - High-Side	False	
Motor A Phase W Over Voltage Fault VL - High-Side	False	
Motor A Phase W Under Voltage Fault VL - High-Side	False	
Motor A Phase W Over Voltage Fault VDD - High-Side	False	
Motor A Phase W Under Voltage Fault VDD - High-Side	False	
Motor A Phase W Comm Error High Voltage Regulator Fault - High-Side	False	
Motor A Phase W Over Voltage Fault VH - Low-Side	False	
Motor A Phase W Under Voltage Fault VH - Low-Side	False	
Motor A Phase W Over Voltage Fault VL - Low-Side	False	
Motor A Phase W Under Voltage Fault VL - Low-Side	False	
Motor A Phase W Over Voltage Fault VDD - Low-Side	False	
Motor A Phase W Under Voltage Fault VDD - Low-Side	False	
Motor A Phase W Comm Error High Voltage Regulator Fault - Low-Side	False	
Inverter A Status Feedback	Normal On	
GPS Date - Year	2021	Year
GPS Date - Month	12	

GPS Date - Day	7	Days
UTC Time - Hours	16	Hours
UTC Time - Minutes	47	
UTC Time - Seconds	1	seconds
ECU Time - Milliseconds	269	ms

HCP | P0A3D-00 | Stored | Drive Motor B Inverter Over Temperature-

NAME	VALUE	UNITS
DTC	0A 3D 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	14221.4	miles
Most Recent Odometer Value	14221.8	miles
Frequency Counter	2	
Ignition Cycle Counter	0	
Real time clock	31083492	sec
RAM stamps keyOn	435	sec
RAM Stamps	155	Min
Accelerator Pedal Position	0	%
Brake Switch Status	Not Applied	
PHEV Charging Status	No Charging	
Engine Speed	1096	rpm
HV Battery SOC	89	%
Ignition State	Reserved	
PRND Position Display	P	
Propulsion System Active	True	
Vehicle Speed	0.0000	MPH
Barometric Pressure	15	PSI
Engine Coolant Temperature	127	°F
Actual Torque - Motor B	-17.423	Ft-Lbs
Available Motor Torque - Motor B	232.393	Ft-Lbs
Inverter B Input DC Current	4.9	AMP
Electric Motor B Speed	3.5	rpm
Commanded Inverter B State	Torque Control	
Motor B - Inverter Current - phase A	28	AMP
Motor B - Inverter Current - phase B	-44	AMP
Motor B - Inverter Current - phase C	8	AMP

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

Motor B Phase W Cross Conduction Fault - Low-Side	False	
Motor B Phase W Over Current Fault - Low-Side	False	
Motor B Phase W Thermal Warning Fault - Low-Side	False	
Motor B Phase W Thermal Shutdown Fault - Low-Side	False	
Motor B Phase W Comm Error High Voltage Regulator Fault - Low-Side	False	
Motor B Phase W Comm Error Low Voltage Regulator Fault - Low-Side	False	
Motor B Phase W SPI Error Fault - Low-Side	False	
Motor B Phase W Hardware Error Fault - Low-Side	False	
Motor B Resolver Supply Voltage Value	15.75	Volts
Battery Feed Voltage 2 Sense	13.464	Volts
Internal EPS Voltage Sense A	8.208	Volts
Internal EPS Voltage Sense B	8.064	Volts
Battery Feed Voltage 1 Sense	13.392	Volts
Battery Feed Voltage 3 Sense	13.248	Volts
Hybrid System State	Propulsion System Active	
Actual Torque - Motor A	-14.104	Ft-Lbs
Available Motor Torque - Motor A	85.730	Ft-Lbs
Available Regen Torque - Motor A	-85.730	Ft-Lbs
Available Regen Torque - Motor B	-232.393	Ft-Lbs
Commanded Torque - Motor A	-14.104	Ft-Lbs
Commanded Torque - Motor B	-17.607	Ft-Lbs
Motor A - Inverter Current - phase A	-40	AMP
Motor A - Inverter Current - phase B	68	AMP
Motor A - Inverter Current - phase C	-32	AMP
Motor A Resolver Angle	246	Degree
Motor A Temp Sensor	84	°F
Outside Air Temperature	64.4	°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	392.80	Volts
Electric Motor A Speed	4551.5	rpm
PIM DC Link Voltage - A	393	Volts
PIM DC Link Voltage - B	392	Volts
Inverter A IGBT Temperature for phase A	253	°F
Inverter A IGBT Temperature for phase B	266	°F
Inverter A IGBT Temperature for phase C	250	°F
Inverter B IGBT Temperature for phase A	239	°F
Inverter B IGBT Temperature for phase B	230	°F
Inverter B IGBT Temperature for phase C	187	°F
APM Status	Buck CV	
Impact Event	False	
HCP System Shutdown Command	Default	

Distance Travelled with Light ON	0	miles
Motor A Torque	-14.104	Ft-Lbs
Motor B Torque	-17.423	Ft-Lbs
OBCM Operating Mode	UTC	
J1772 Prox Detected State	Prox Out	
HV Battery Sleep Time	0	Days
Motor B Phase U Over Current Fault - High-Side	False	
Motor B Phase U Over Voltage Fault VH - High-Side	False	
Motor B Phase U Under Voltage Fault VH - High-Side	False	
Motor B Phase U Over Voltage Fault VL - High-Side	False	
Motor B Phase U Under Voltage Fault VL - High-Side	False	
Motor B Phase U Over Voltage Fault VDD - High-Side	False	
Motor B Phase U Under Voltage Fault VDD - High-Side	False	
Motor B Phase U Comm Error Low Voltage Regulator Fault - High-Side	False	
Motor B Phase U Over Voltage Fault VH - Low-Side	False	
Motor B Phase U Under Voltage Fault VH - Low-Side	False	
Motor B Phase U Over Voltage Fault VL - Low-Side	False	
Motor B Phase U Under Voltage Fault VL - Low-Side	False	
Motor B Phase U Over Voltage Fault VDD - Low-Side	False	
Motor B Phase U Under Voltage Fault VDD - Low-Side	False	
Motor B Phase V Over Voltage Fault VH - High-Side	False	
Motor B Phase V Under Voltage Fault VH - High-Side	False	
Motor B Phase V Over Voltage Fault VL - High-Side	False	
Motor B Phase V Under Voltage Fault VL - High-Side	False	
Motor B Phase V Over Voltage Fault VDD - High-Side	False	
Motor B Phase V Under Voltage Fault VDD - High-Side	False	
Motor B Phase V Over Voltage Fault VH - Low-Side	False	
Motor B Phase V Under Voltage Fault VH - Low-Side	False	
Motor B Phase V Over Voltage Fault VL - Low-Side	False	
Motor B Phase V Under Voltage Fault VL - Low-Side	False	
Motor B Phase V Over Voltage Fault VDD - Low-Side	False	
Motor B Phase V Under Voltage Fault VDD - Low-Side	False	
Motor B Phase W Over Voltage Fault VH - High-Side	False	
Motor B Phase W Under Voltage Fault VH - High-Side	False	
Motor B Phase W Over Voltage Fault VL - High-Side	False	
Motor B Phase W Under Voltage Fault VL - High-Side	False	
Motor B Phase W Over Voltage Fault VDD - High-Side	False	
Motor B Phase W Under Voltage Fault VDD - High-Side	False	
Motor B Phase W Thermal Shutdown Fault - High-Side	False	
Motor B Phase W Over Voltage Fault VH - Low-Side	False	
Motor B Phase W Under Voltage Fault VH - Low-Side	False	
Motor B Phase W Over Voltage Fault VL - Low-Side	False	
Motor B Phase W Under Voltage Fault VL - Low-Side	False	
Motor B Phase W Over Voltage Fault VDD - Low-Side	False	

Motor B Phase W Under Voltage Fault VDD - Low-Side	False	
GPS Date - Year	2021	Year
GPS Date - Month	12	
GPS Date - Day	7	Days
UTC Time - Hours	16	Hours
UTC Time - Minutes	48	
UTC Time - Seconds	0	seconds
ECU Time - Milliseconds	825	ms

HCP | P1A27-00 | Stored | On Board Charging Module System Voltage Low-

NAME	VALUE	UNITS
DTC	1A 27 00	
Test Failed	False	
Test Failed This Operation Cycle	False	
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	07	
Occurrence flag	Occurrence	
Original Odometer Value	14221.8	miles
Most Recent Odometer Value	14221.8	miles
Frequency Counter	1	
Ignition Cycle Counter	0	
Real time clock	31082816	sec
RAM stamps keyOn	780	sec
RAM Stamps	145	Min
Accelerator Pedal Position	0	%
Brake Switch Status	Not Applied	
Engine Speed	0	rpm
Ignition State	Reserved	
PRND Position Display	P	
Propulsion System Active	False	
Vehicle Speed	0.0000	MPH
Barometric Pressure	15	PSI
Engine Coolant Temperature	64	°F
HVIL Sense Input State	Detected	
No Charging Reasons	Reserved	
Battery Feed Voltage 2 Sense	7.200	Volts
Internal EPS Voltage Sense A	8.064	Volts
Internal EPS Voltage Sense B	7.920	Volts
HCP ePT Wake-Up Output	On	

CBC Wake-Up Input	Off	
Hybrid System State	Inverters Enabled	
SW Build Release Version	PIM_21B_2011B0_RU_HCP___	
HCP SW Version	21B	
EPT LOC Diag Enable	Enable LOC Diagnostic	
CAN Overrun Counter	0	Number
Impact Event	False	
Outside Air Temperature	64.4	°F
Maximum Charge Current Allowed	0.00	Amps
Charge Current Available	0.00	AMP
OBCM Derating Reason	No Derating	
OBCM Operating Mode	UTC	
HCP Commanded OBCM Mode	Idle	
J1772 Prox Detected State	CP DET	
J1772 Pilot Detected State	NO EVSE	
OBCM J1772 S2 Status	Off	
HCP J1772 S2 Close Command	Off	
OBCM Ready to Charge	Charge Enabled	
HCP Command to Enable Charging	Charge Disabled	
HCP Charging System Status	No Charging	
HCP Charging Level	Reserved	
HCP Charging System Fault	False	
HCP Charging Fault Reason	Reserved	
HV Battery Contactor State	Closed	
DC Voltage Not Detected	Passed	
AC Voltage Detected	AC Not OK	
HV Battery Actual Current	0.40	AMP
AC Voltage for Charging	2.1	Volts
AC Current During Charging	0.70	Amps
Maximum EVSE Current Available	0	AMP
HCP Charging Current Command	0.00	AMP
HCP Charging Voltage Command	1	Volts
DC Charging Current	0.20	Amps
OBCM Charging Voltage	386.2	Volts
OBCM Module A Max Temperature	82	°F
OBCM Module B Max Temperature	81	°F
OBCM Module A PCB Temperature	82	°F
OBCM Module B PCB Temperature	81	°F
OBCM Accumulated Charging Time	55437	hrs
OBCM Charging Power	0	KW-Hrs
HV Battery Pump Current	0.0	AMP
Radiator Fan Command	7	%
HV Battery Inlet Temperature	64	°F
HV Battery Outlet Temperature	64	°F

HV Battery Min Cell Voltage	0.225	Volts
Max Cell Voltage	0.550	Volts
Min Cell Temperature	64	°F
Max Cell Temperature	66	°F
HV Battery Sleep Time	0	Days
HV Battery SOC	87	%
Battery Feed Voltage 1 Sense	7.200	Volts
Battery Feed Voltage 3 Sense	7.128	Volts
Actual Torque - Motor A	0.000	Ft-Lbs
Actual Torque - Motor B	0.000	Ft-Lbs
Available Motor Torque - Motor A	87.205	Ft-Lbs
Available Motor Torque - Motor B	232.301	Ft-Lbs
Available Regen Torque - Motor A	-87.205	Ft-Lbs
Available Regen Torque - Motor B	-232.301	Ft-Lbs
Commanded Torque - Motor A	0.000	Ft-Lbs
Commanded Torque - Motor B	0.000	Ft-Lbs
Motor A - Inverter Current - phase A	-4	AMP
Motor A - Inverter Current - phase B	0	AMP
Motor A - Inverter Current - phase C	0	AMP
Motor B - Inverter Current - phase A	-4	AMP
Motor B - Inverter Current - phase B	-4	AMP
Motor B - Inverter Current - phase C	-4	AMP
Motor A Resolver Angle	346	Degree
Motor B Resolver Angle	72	Degree
Motor A Temp Sensor	70	°F
Motor B Temp Sensor	70	°F
HV Contactor Status	Closed	
HV Battery Voltage from BPCM	387.90	Volts
Electric Motor A Speed	1.0	rpm
Electric Motor B Speed	0.0	rpm
PIM DC Link Voltage - A	389	Volts
PIM DC Link Voltage - B	387	Volts
Inverter A IGBT Temperature for phase A	104	°F
Inverter A IGBT Temperature for phase B	106	°F
Inverter A IGBT Temperature for phase C	106	°F
Inverter B IGBT Temperature for phase A	104	°F
Inverter B IGBT Temperature for phase B	106	°F
Inverter B IGBT Temperature for phase C	102	°F
APM Status	Idle	
HCP System Shutdown Command	Default	
PHEV Charging Status	No Charging	
Distance Travelled with Light ON	0	miles
Motor A Torque	0.000	Ft-Lbs
Motor B Torque	0.000	Ft-Lbs

GPS Date - Year	2021	Year
GPS Date - Month	12	
GPS Date - Day	7	Days
UTC Time - Hours	16	Hours
UTC Time - Minutes	37	
UTC Time - Seconds	0	seconds
ECU Time - Milliseconds	131	ms

OBCM | P0562-00 | Stored | System Voltage Low-

NAME	VALUE	UNITS
DTC	05 62 00	
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number - All	01	
Occurrence flag	Error	
Original Odometer Value	14217	miles
Most Recent Odometer Value	14217	miles
Frequency Counter	1	
Ignition Cycle Counter	3	
DTC Extended Data Record Number - Record #2	00	
OBCM Status AC Present	AC Not OK	
AC Line Low	Not Valid	
AC Line High	Not Valid	
AC Side Current	0.70	Amps
AC Side Volt	2.1	Volts
HCP (EVCU) AC Current Max Cal	-0.50	Amps
HCP (EVCU) Voltage Request	0	Volts
HCP (EVCU) Current Request	0.00	AMP
Battery Not Detected	False	
Battery Voltage Under Min	Not Valid	
Battery Voltage Over Max	Not Valid	
Battery Side Current	0.20	Amps
Battery Side Voltage	206.2	Volts
HV OC	False	
HV OV	False	
HCP (EVCU) HV Current Max Cal	-12.00	Amps
HCP (EVCU) HV Volt Max Cal	152	Volt
HCP (EVCU) HV Volt Min Cal	244	Volt

OBCM Temperature 1	81	°F
OBCM Temperature 2	82	°F
OBCM Temperature 3	66	°F
OBCM Temperature 4	63	°F
NTC1 OT	False	
NTC2 OT	False	
NTC3 OT	False	
NTC4 OT	False	
External OBCM Inlet Temperature (CAN)	-40	°F
J1772 ICA	0	AMP
J1772 S2 Close	Open	
J1772 Stat	Veh Not Connected	
J1772 S2 Status	Open	
Control Pilot Amplitude	0.012	Volts
Control Pilot Duty Cycle	0.00	%
Control Pilot Frequency	1024	Hz
EVSE Pilot Stat	NO EVSE	
Prox Stat	Prox Out	
Prox Voltage	4.436	Volt
OBC Idle Tml	113	hrs
Watt-Hours of AC Power	0	W-Hrs
Watt Hours of Charge the HV Bus	0	W-Hrs
OBCM Mode	UTC	
OBCM Charger Ready	Off	
OBCM WU Status	Off	
Charge Enable Status	Chrg Disable	
HCP (EVCU) Shutdown Command	EVCU Operational	
HCP (EVCU) Enable Charge Command	Charge disable	
HCP (EVCU) OBC Mode Request	Idle	
Generic Fail Sts	No Functional Fail Present	
Chrg Fail Sts	Faulted - Charging Allowed	
OBCM Wake Up Reason	Master Wake Up	
OBC Control Mth	Current	
OBCM Deraing Reason	No Derating	
Close Chrgr Cntctr	Open	
Chrgr Cntctr Stat	Closed	
Chrg Mode	Charge Mode	
OBCM Fault Reason	No Faults detected	
Module A Primary - PFC Temperature	64	°F
Module A Primary - LLC Temperature	63	°F
Module A Secondary - Buck Temperature	63	°F
Module A Secondary - Ambient Temperature	82	°F
Module A Primary - AC Side Volt	2.0	Volts
Module A Primary - AC Side Current	-24.60	Amps

Module A Secondary - Battery Side Voltage	206.2	Volts
Module A Secondary - Battery Side Current	-24.90	Amps
Module A Secondary - Buck Output Voltage	0.1	Volts
Module B Primary - PFC Temperature	68	°F
Module B Primary - LLC Temperature	66	°F
Module B Secondary - Buck Temperature	66	°F
Module B Secondary - Ambient Temperature	81	°F
Module B Primary - AC Side Volt	2.2	Volts
Module B Primary - AC Side Current	-24.70	Amps
Module B Secondary - Battery Side Voltage	206.2	Volts
Module B Secondary - Battery Side Current	-24.90	Amps
Module B Secondary - Buck Output Voltage	0.1	Volts
OBCM - HV Over Voltage Protect	False	
OBCM - LV Aux Over Voltage Protect	False	
OBCM - LV Aux Under Voltage Protect	False	
OBCM - LLC Over Voltage Protect	False	
OBCM - LLC Under Voltage Protect	False	
OBCM - PFC Over Voltage Protect	False	
OBCM - PFC Under Voltage Protect	False	
OBCM - Battery 12V Under Voltage Protect	True	
OBCM - Battery 12V Over Voltage Protect	False	
OBCM - AC Under Voltage Protect	False	
OBCM - AC Over Voltage Protect	False	
OBCM - AC Over Current Protect	False	
OBCM - HV Voltage Over MaxCal Protect	False	
OBCM - HV Over Current Protect	False	
OBCM - Power Stage Over Voltage Protect	False	
OBCM - Internal Memory Fault	False	
OBCM - Over Temperature Protect	False	
OBCM - HCP Loss of Communication Protect	False	
OBCM - Loss BPCM Communication Protect	False	
OBCM - CAN Bus Off	False	
OBCM - Pilot Duty Fault	False	
OBCM - Prox Range To Low	False	
OBCM - Prox Range To High	False	
OBCM - HV Voltage Under MinCal Protect	False	
OBCM - SPI Communication Fault	False	
OBCM - Pilot Short To Battery	False	
OBCM - WakeUp Output Stuck Low	False	
OBCM - WakeUp Output Stuck High	False	
OBCM - ORC Loss of Communication	False	
OBCM - HV Battery Not Contact	False	
OBCM - Loss Communication Protect	False	
OBCM - Receive HV Battery Contact Open From BPCM	False	

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

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

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

Module B Secondary - LV Micro Disable Command	False	
Module B Secondary - PFC High Temperature Derating	False	
Module B Secondary - PFC Low Temperature Derating	False	
Module B Secondary - LLC High Temperature Derating	False	
Module B Secondary - LLC Low Temperature Derating	False	
Module B Secondary - HV High Temperature Derating	False	
Module B Secondary - HV Low Temperature Derating	False	
Module B Secondary - Ambient High Temperature Derating	False	
Module B Secondary - Ambient Low Temperature Derating	False	
Module B Secondary - AC Input Voltage Derating	False	
Module B Secondary - HV Output Voltage Derating	False	
SBC State_DF00	04	
SBC State_DF80	00	
SBC State_E100	00	
SBC State_E180	00	
SBC State_E300	00	
SBC State_E500	00	
SBC State_E580	00	
OBCM Charge Current Available	0.00	AMP
BPCM HV Battery Contactor Open	False	
SBC Bus Off	False	
CANSIP Bus Off	False	
OBC Charge Time	0	sec
OBC Charge Tml	55437	hrs
OBC Idle Time	0	sec
EPT LOC Diag Enable	Enable LOC Diagnostic	
HCP Shutdown Command	No Shutdown	
HV Battey Contactor Open	False	
BPCM Request for HV Contactor	False	
HV Contactor Status	Open	
Ignition on Time for DTC	0	sec

MSMP | B210D-21 | Stored | Battery Voltage Low-Signal Amplitude < Minimum

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	14197	miles
Most Recent Odometer Value	14197	miles
Frequency Counter	1	
Ignition Cycle Counter	3	

MSMP | B210A-84 | Stored | System Voltage Low-Signal Below Allowable Range

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	14197	miles
Most Recent Odometer Value	14197	miles
Frequency Counter	1	
Ignition Cycle Counter	3	

DSM | B2199-16 | Stored | Battery Voltage-Circuit Voltage Below Threshold

NAME	VALUE	UNITS
DTC	A1 99 16	
Test Failed	False	
Pending DTC	False	
Test Failed This Operation Cycle	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number - All	01	
Occurrence flag	Occurrence	
Original Odometer Value	14217	miles
Most Recent Odometer Value	14217	miles
Frequency Counter	1	
Ignition Cycle Counter	3	

DSM | B21DD-84 | Stored | System Voltage-Signal Below Allowable Range

NAME	VALUE	UNITS
DTC	A1 DD 84	
Test Failed	False	

Pending DTC	False	
Test Failed This Operation Cycle	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number - All	01	
Occurrence flag	Occurrence	
Original Odometer Value	14217	miles
Most Recent Odometer Value	14217	miles
Frequency Counter	1	
Ignition Cycle Counter	3	

RCCC | B2199-16 | Stored | Battery Voltage-Circuit Voltage Below Threshold

NAME	VALUE	UNITS
DTC	A1 99 16	
Test Failed	False	
Test Failed This Operation Cycle	False	
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	Occurrence	
Original Odometer Value	14217	miles
Most Recent Odometer Value	14217	miles
Frequency Counter	1	
Ignition Cycle Counter	3	

RCCC | B21DD-84 | Stored | System Voltage-Signal Below Allowable Range

NAME	VALUE	UNITS
DTC	A1 DD 84	
Test Failed	False	
Test Failed This Operation Cycle	False	
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	Occurrence	
Original Odometer Value	14217	miles
Most Recent Odometer Value	14217	miles
Frequency Counter	1	
Ignition Cycle Counter	2	

EBBM | P0562-00 | Stored | System Voltage Low-

NAME	VALUE	UNITS
DTC	05 62 00	
Test Failed	False	
Test Failed This Operation Cycle	False	
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	True	
Warning Indicator Requested	True	
Occurrence flag	Error	
Mirror Memory	No	
Undervoltage Suspected	No	
Original Odometer Value	14217	miles
Most Recent Odometer Value	14217	miles
Frequency Counter	2	
Ignition Cycle Counter	0	
Fault Time	1012.60	S
Booster Supply	10.6	V
ECU Supply	10.6	V
Ignition	10.6	V
Pedal Travel Sensor Supply	5.0	V
iBooster System Mode	Ready Mode - iBooster is ready for actuation	
Brake Pedal Applied	brake pedal not applied	
iBooster ECU Temperature Channel 1	65.8906	°F
iBooster ECU Temperature Channel 2	65.8344	°F
iBooster Brake Pedal State	brake pedal not applied	
ESP Master Cylinder Pressure	0.00	PSI
Pedal Travel Sensor One	-0.0175779	mm_
Pedal Travel Sensor Two	0.0214841	mm_
iBooster Rotary Position Sensor	0.00	Deg
iBooster Output Rod Stroke	0.00	mm_
iBooster Input Rod Stroke	0.03	mm_
iBooster Boost Body Stroke	-0.05	mm_
Vehicle Speed	0.00	MPH
Supplier Internal Code	164	

ABSO | C0021-00 | Stored | Brake Booster-

NAME	VALUE	UNITS
DTC	40 21 00	
Test Failed	False	
Test Failed This Operation Cycle	False	
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	14217	miles
Most Recent Odometer Value	14217	miles
Frequency Counter	1	
Ignition Cycle Counter	0	
Fault Time	515.80	S
Current System Mode	Ignition Run	
Previous System Mode	Ignition Run	
System Condition	OK	
Supply Voltage Valves	9.3	V
Brake Pedal Status	Released	
Supply voltage Pump	9.3	V
Brake Pedal Travel Sensor Position	0	%
Ignition Unfiltered	9.3	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	12.80	°
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	Static	
BLS High	No	
BLS Low	Yes	
Park Brake	Not Activated	
ESP-OFF mode	No	
Clutch	Not Activated	
Stop Coordinator Active	No	
Actual Gear	P	
Transmission selector lever setting	P	
Status Parking Brake Left	Brake is Released	
Status Parking Brake Right	Brake is Released	
EPB Switch Status	Idle	
Supplier Internal Code	580	

ABS0 | C2102-00 | Stored | System Voltage Low-

NAME	VALUE	UNITS
DTC	61 02 00	
Test Failed	False	
Test Failed This Operation Cycle	False	
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	True	
Warning Indicator Requested	True	
Occurrence flag	Occurrence	
Controller Event	No	
Mirror Memory	No	
Undervoltage Suspected	No	
Original Odometer Value	14217	miles
Most Recent Odometer Value	14217	miles
Frequency Counter	1	
Ignition Cycle Counter	0	
Fault Time	727.20	S
Current System Mode	Ignition Run	

Previous System Mode	Ignition Run	
System Condition	OK	
Supply Voltage Valves	7.4	V
Brake Pedal Status	Released	
Supply voltage Pump	7.4	V
Brake Pedal Travel Sensor Position	0	%
Ignition Unfiltered	7.4	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	12.80	°
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	Static	
BLS High	No	
BLS Low	Yes	
Park Brake	Not Activated	
ESP-OFF mode	No	
Clutch	Not Activated	
Stop Coordinator Active	No	
Actual Gear	P	
Transmission selector lever setting	P	
Status Parking Brake Left	Brake is Released	
Status Parking Brake Right	Brake is Released	
EPB Switch Status	Idle	

Supplier Internal Code

224

SGW | B2199-16 | Stored | Battery Voltage-Circuit Voltage Below Threshold

NAME	VALUE	UNITS
Test Failed	False	
Test Failed This Monitoring Cycle	False	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed This Monitoring Cycle	False	
Warning Indicator Requested	False	
DTCExtendedDataRecordNumber	Record \$01-\$8f	
Event Counter	Event counter for clear DTC memory	
Cycle to Switch Warning Lamp OFF	3 = error present (3 cycle consecutive for switch MIL OFF) 0 = error Not present 1..2 = number cycle consecutive for switch MIL OFF	

TBM2 | B1570-93 | Stored | USB Communication-No Operation

NAME	VALUE	UNITS
DTC	95 70 93	
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	
Frequency Counter	1	

TBM2 | U0184-00 | Stored | Lost Communication With Radio-

NAME	VALUE	UNITS
DTC	C1 84 00	
Test Failed	False	
Test Failed This Operation Cycle	False	
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	
Frequency Counter	1	

SNAPSHOT DATA SUMMARY

No Snapshot Data available for B21DD-16

No Snapshot Data available for B2199-16

No Snapshot Data available for B210D-16

No Snapshot Data available for B21DD-84

No Snapshot Data available for B2199-16

No Snapshot Data available for B21DD-84

No Snapshot Data available for P1C8B-16

No Snapshot Data available for P1C8C-16

No Snapshot Data available for C2129-16

No Snapshot Data available for C212A-84

No Snapshot Data available for B210D-84

No Snapshot Data available for B21DD-84

No Snapshot Data available for B210C-16

No Snapshot Data available for B21DD-84

No Snapshot Data available for B210C-16

No Snapshot Data available for B21DD-84

No Snapshot Data available for B2199-16

No Snapshot Data available for B21DD-84

No Snapshot Data available for B2199-16

No Snapshot Data available for B21DD-84

No Snapshot Data available for B2199-16

No Snapshot Data available for B21DD-84

No Snapshot Data available for B2199-16

No Snapshot Data available for B21DD-84

No Snapshot Data available for B210D-21

No Snapshot Data available for B210A-84

No Snapshot Data available for B2199-16

No Snapshot Data available for B21DD-84

No Snapshot Data available for B21DD-84

No Snapshot Data available for B2199-16

No Snapshot Data available for B21DD-84

No Snapshot Data available for B21DD-16

No Snapshot Data available for B210C-16

No Snapshot Data available for C212A-16

No Snapshot Data available for B2199-16

No Snapshot Data available for C2129-16

No Snapshot Data available for C212A-84

No Snapshot Data available for B210A-00

No Snapshot Data available for B2199-16

No Snapshot Data available for B21DD-84

No Snapshot Data available for B21DD-84

No Snapshot Data available for B2199-16

No Snapshot Data available for B21DD-84

No Snapshot Data available for B2199-16

No Snapshot Data available for P0562-00

No Snapshot Data available for P1A0C-00

No Snapshot Data available for P0562-00

No Snapshot Data available for P0A3C-00

No Snapshot Data available for P0A3D-00

No Snapshot Data available for P1A27-00

No Snapshot Data available for P0562-00

No Snapshot Data available for B210D-21

No Snapshot Data available for B210A-84

No Snapshot Data available for B2199-16

No Snapshot Data available for B21DD-84

No Snapshot Data available for B2199-16

No Snapshot Data available for B21DD-84

No Snapshot Data available for P0562-00

No Snapshot Data available for C0021-00

No Snapshot Data available for C2102-00

SGW | B2199-16 | Stored | Battery Voltage-Circuit Voltage Below Threshold

Record 0

NAME	VALUE	UNITS
TestFailed	False	
TestFailedThisMonitoringCycle	False	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed This Monitoring Cycle	False	

Warning Indicator Requested	False	
DTC Snapshot Record Number	Record #1	
DTC Snapshot Record Number Of Identifiers	5	
Key On Counter	956	
DTC Failure Type Byte	2F	
Battery Voltage (+30)	8.90	V

No Snapshot Data available for B1570-93

No Snapshot Data available for U0184-00



VEHICLE SCAN REPORT

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

Odometer 14221.8 miles
Publication Date Dec 7, 2021, 1:51:47 PM

ECU SUMMARY INFO

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

SCCM	Steering Column Control Module	CAN-C	68360889AD	Pa	68360889AD
BCM	Body Controller	CAN-C	68491085AG		68491085AG
ACC	Adaptive Cruise Control	CAN-C	68540436AA		68540436AA
RADIO	Radio	CAN-I	68465292AC		68465292AC
OCM	Occupant Classification	CAN-C	68403127AA		68403127AA
HVACR	Heat, Ventilation and A/C Rear	CAN-I	68373079AB		68373079AB
LBSS	Left Blind Spot Sensor	CAN-I	04672786AB		04672786AB
RBSS	Right Blind Spot Sensor	CAN-I	04672786AB		04672786AB
FFCM	Forward Facing Camera Module	CAN-C	68493395AA		68493395AA
APM	Accessory Power Module	CAN-C	05185046AB		05185046AB
BPCM	Battery Pack Control Module	CAN-C	05193183AE		05193183AE
HCP	Hybrid Control Processor	CAN-C	05185116AH		05185116AH
OBCM	On Board Charging Module	CAN-C	05185047AE		05185047AE
MSMP	Memory Seat Module - Passenger	CAN-I	68321862AC		68321862AC
DSM	Display Screen Module	CAN-I	68437339AD		68437339AD
RCCC	Rear Cabin Comfort Controls	CAN-I	6WL30DX9AA		6WL30DX9AA
EAC	Electric A/C Compressor	CAN-C	68237995AG		68237995AG
AHCP	Auxiliary Hybrid Control Processor	CAN-C	05185117AH		05185117AH
EBBM	Electronic Brake Booster Module	CAN-C	68461813AB		68461813AB
ABSO	Anti Lock Brakes OBD	CAN-C	68471122AD		68471122AD
SGW	Security Gateway Module	CAN-C	68488429AB		68488429AB
TBM2	Telematic Box Module 2	CAN-C	68546266AB		68546266AB

ECU SUMMARY INFO (CONT...)

ECU	COUNTRY CODE	HARDWARE VERSION	SOFTWARE VERSION	IDENT	CVNS
PCM	USA	1B 47	75 01 01	4422	F2DB13B9
PLGM	USA	0	5084	000200000031	
ICS	USA	0F 0C 00	13 31 01	4700	
RFH	USA / USA	10 17 00	13 26 00	4A00	
ESM	USA / USA	0F 24 00	12 28 FF	4402	

ORC	USA / USA	12 1A 00	13 2E 00	4301	
EPS	USA / USA	12 2A 00	12 1E 01	4502	
HVAC	USA	0E 09 00	14 2F 01	4401	
DDM	USA	11 07 00	14 07 00	4202	
PDM	USA	11 07 00	14 07 00	4202	
DMRL	USA / USA	10 0B 00	14 08 00	4201	
DMRR	USA / USA	10 0B 00	14 08 00	4201	
PSDML	USA / USA	10 17 00	14 10 12	4001	
PSDMR	USA / USA	10 17 00	14 10 12	4001	
MSM	USA	0F 2B 00	10 27 03	4101	
CSWM	USA	11 2A 00	14 25 00	4302	
AMP	USA	18 2E 01	13 15 00	4030	
IPC	USA / USA	12 06 00	14 2B 00	4705	
PTS	USA	0E 32 00	14 07 00	4311	
SCCM	USA	13 28 00	13 29 00	4301	
BCM	USA	0D 11 00	14 26 90	4420	
ACC	USA / USA	14 12 01	14 26 01	4400	
RADIO		65	5175	000200000008	
OCM	USA / USA	11 1F 01	0E 2F 02	4030	
HVACR	USA	0E 09 00	10 03 02	4301	
LBSS	USA / USA	11 30 02	12 0D 00	4202	
RBSS	USA / USA	11 30 02	12 0D 00	4202	
FFCM	USA / USA	11 06 00	13 1E 00	4102	
APM	USA / USA	11 32 00	11 32 00	4001	
BPCM	Not programmed / COUNTRY_SNA	0E 03 00	14 2C 00	4005	79855957
HCP	USA	11 1F 04	0F 2D 00	4006	879F1587 D754327D 050DC953
OBCM	USA	0F 0D 00	12 02 00	4002	
MSMP	USA	0F 2B 00	10 27 03	4001	
DSM	USA / USA	14 0C 00	14 28 00	4300	
RCCC	USA	0F 1D 00	13 04 00	4000	
EAC	USA	0E 34 00	12 0F 00	4102	
AHCP	USA	11 1F 04	0F 2D 00	4000	
EBBM	USA	0E 19 02	14 0D 18	4000	E5898FA5
ABSO	USA	0E 15 02	14 1B 26	4201	4F158D1B
SGW		5	969	4103	
TBM2	USA	13 0E 02	14 2A 5C	4104	

DTC SUMMARY

ECU	DTC CODE	DTC DESCRIPTION	STATUS
PLGM	B21DD-16	System Voltage-Circuit Voltage Below Threshold	Stored
PLGM	B2199-16	Battery Voltage-Circuit Voltage Below Threshold	Stored
ICS	B210D-16	Battery Voltage Low-Circuit Voltage Below Threshold	Stored
ICS	B21DD-84	System Voltage-Signal Below Allowable Range	Stored

RFH	B2199-16	Battery Voltage-Circuit Voltage Below Threshold	Stored
RFH	B21DD-84	System Voltage-Signal Below Allowable Range	Stored
ESM	P1C8B-16	Battery Voltage-Circuit Voltage Below Threshold	Stored
ESM	P1C8C-16	System Voltage-Circuit Voltage Below Threshold	Stored
EPS	C2129-16	Battery Voltage-Circuit Voltage Below Threshold	Stored
EPS	C212A-84	System Voltage-Signal Below Allowable Range	Stored
HVAC	B210D-84	Battery Voltage Low-Signal Below Allowable Range	Stored
HVAC	B21DD-84	System Voltage-Signal Below Allowable Range	Stored
DDM	B210C-16	Battery Voltage Input-Circuit Voltage Below Threshold	Stored
DDM	B21DD-84	System Voltage-Signal Below Allowable Range	Stored
PDM	B210C-16	Battery Voltage Input-Circuit Voltage Below Threshold	Stored
PDM	B21DD-84	System Voltage-Signal Below Allowable Range	Stored
DMRL	B2199-16	Battery Voltage-Circuit Voltage Below Threshold	Stored
DMRL	B21DD-84	System Voltage-Signal Below Allowable Range	Stored
DMRR	B2199-16	Battery Voltage-Circuit Voltage Below Threshold	Stored
DMRR	B21DD-84	System Voltage-Signal Below Allowable Range	Stored
PSDML	B2199-16	Battery Voltage-Circuit Voltage Below Threshold	Stored
PSDML	B21DD-84	System Voltage-Signal Below Allowable Range	Stored
PSDMR	B2199-16	Battery Voltage-Circuit Voltage Below Threshold	Stored
PSDMR	B21DD-84	System Voltage-Signal Below Allowable Range	Stored
MSM	B210D-21	Battery Voltage Low-Signal Amplitude < Minimum	Stored
MSM	B210A-84	System Voltage Low-Signal Below Allowable Range	Stored
CSWM	B2199-16	Battery Voltage-Circuit Voltage Below Threshold	Stored
CSWM	B21DD-84	System Voltage-Signal Below Allowable Range	Stored
AMP	B21DD-84	System Voltage-Signal Below Allowable Range	Stored
IPC	B2199-16	Battery Voltage-Circuit Voltage Below Threshold	Stored
IPC	B21DD-84	System Voltage-Signal Below Allowable Range	Stored
PTS	B21DD-16	System Voltage-Circuit Voltage Below Threshold	Stored
PTS	B210C-16	Battery Voltage Input-Circuit Voltage Below Threshold	Stored
SCCM	C212A-16	System Voltage-Circuit Voltage Below Threshold	Stored
BCM	B2199-16	Battery Voltage-Circuit Voltage Below Threshold	Stored
ACC	C2129-16	Battery Voltage-Circuit Voltage Below Threshold	Stored
ACC	C212A-84	System Voltage-Signal Below Allowable Range	Stored
OCM	B210A-00	System Voltage Low-	Stored
HVACR	B2199-16	Battery Voltage-Circuit Voltage Below Threshold	Stored
HVACR	B21DD-84	System Voltage-Signal Below Allowable Range	Stored
LBSS	B21DD-84	System Voltage-Signal Below Allowable Range	Stored
LBSS	B2199-16	Battery Voltage-Circuit Voltage Below Threshold	Stored
RBSS	B21DD-84	System Voltage-Signal Below Allowable Range	Stored
RBSS	B2199-16	Battery Voltage-Circuit Voltage Below Threshold	Stored
BPCM	P0562-00	System Voltage Low-	Stored
BPCM	P1A0C-00	Battery Energy Control Module System Voltage Low-	Stored
HCP	P0562-00	System Voltage Low-	Stored
HCP	P0A3C-00	Drive Motor A Inverter Over Temperature-	Stored

HCP	P0A3D-00	Drive Motor B Inverter Over Temperature-	Stored
HCP	P1A27-00	On Board Charging Module System Voltage Low-	Stored
OBCM	P0562-00	System Voltage Low-	Stored
MSMP	B210D-21	Battery Voltage Low-Signal Amplitude < Minimum	Stored
MSMP	B210A-84	System Voltage Low-Signal Below Allowable Range	Stored
DSM	B2199-16	Battery Voltage-Circuit Voltage Below Threshold	Stored
DSM	B21DD-84	System Voltage-Signal Below Allowable Range	Stored
RCCC	B2199-16	Battery Voltage-Circuit Voltage Below Threshold	Stored
RCCC	B21DD-84	System Voltage-Signal Below Allowable Range	Stored
EBBM	P0562-00	System Voltage Low-	Stored
ABSO	C0021-00	Brake Booster-	Stored
ABSO	C2102-00	System Voltage Low-	Stored
SGW	B2199-16	Battery Voltage-Circuit Voltage Below Threshold	Stored
TBM2	B1570-93	USB Communication-No Operation	Stored
TBM2	U0184-00	Lost Communication With Radio-	Stored

ENVIRONMENTAL DATA SUMMARY

PLGM | B21DD-16 | Stored | System Voltage-Circuit Voltage Below Threshold

NAME	VALUE	UNITS
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PLGM | B2199-16 | Stored | Battery Voltage-Circuit Voltage Below Threshold

NAME	VALUE	UNITS
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ICS | B210D-16 | Stored | Battery Voltage Low-Circuit Voltage Below Threshold

NAME	VALUE	UNITS
Test Failed	False	
Test Failed This Operation Cycle	False	
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	Occurrence	
Original Odometer Value	14217	miles
Most Recent Odometer Value	14217	miles
Frequency Counter	1	
Ignition Cycle Counter	3	

ICS | B21DD-84 | Stored | System Voltage-Signal Below Allowable Range

NAME	VALUE	UNITS
Test Failed	False	

Test Failed This Operation Cycle	False	
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	Occurrence	
Original Odometer Value	14217	miles
Most Recent Odometer Value	14217	miles
Frequency Counter	1	
Ignition Cycle Counter	2	

RFH | B2199-16 | Stored | Battery Voltage-Circuit Voltage Below Threshold

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	False	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number - All	01	
Occurrence flag	Error	
Original Odometer Value	14217	miles
Most Recent Odometer Value	14217	miles
Frequency Counter	1	
Ignition Cycle Counter	3	

RFH | B21DD-84 | Stored | System Voltage-Signal Below Allowable Range

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	False	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number - All	01	
Occurrence flag	Error	
Original Odometer Value	14217	miles

Most Recent Odometer Value	14217	miles
Frequency Counter	1	
Ignition Cycle Counter	2	

ESM | P1C8B-16 | Stored | Battery Voltage-Circuit Voltage Below Threshold

NAME	VALUE	UNITS
DTC	1C 8B 16	
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	14217	miles
Most Recent Odometer Value	14217	miles
Frequency Counter	1	
Ignition Cycle Counter	2	
Ignition Status	Ignition Run	
Operating Voltage	9.9	Volts
Operation Time	25915	Min

ESM | P1C8C-16 | Stored | System Voltage-Circuit Voltage Below Threshold

NAME	VALUE	UNITS
DTC	1C 8C 16	
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	14217	miles
Most Recent Odometer Value	14217	miles
Frequency Counter	1	
Ignition Cycle Counter	2	
Ignition Status	Ignition Run	
Operating Voltage	10.0	Volts
Operation Time	25915	Min

EPS | C2129-16 | Stored | Battery Voltage-Circuit Voltage Below Threshold

NAME	VALUE	UNITS
DTC	61 29 16	
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	True	
Occurrence flag	Error	
Original Odometer Value	14217	miles
Most Recent Odometer Value	14217	miles
Frequency Counter	1	
Ignition Cycle Counter	2	
Supplier Internal Fault Code	00 B1 00	
EPS Internal Filtered Vehicle Speed	0.000	MPH
EPS Internal Steering Wheel Angle (Sign convention is positive angle towards left steering lock)	-34.72	Deg
EPS Steering Wheel Velocity	-0.00	deg/s
EPS System Current Draw	1	A
EPS Measured Module Voltage	9.85	V
EPS Steering Wheel Torque	0.0519	Ft-Lbs
EPS Measured Module Temperature	62.8	°F
CAN Battery Voltage	9.8	Volts

EPS | C212A-84 | Stored | System Voltage-Signal Below Allowable Range

NAME	VALUE	UNITS
DTC	61 2A 84	
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
Occurrence flag	Error	
Original Odometer Value	14217	miles
Most Recent Odometer Value	14217	miles
Frequency Counter	1	
Ignition Cycle Counter	2	
Supplier Internal Fault Code	01 4E 01	
EPS Internal Filtered Vehicle Speed	0.000	MPH

EPS Internal Steering Wheel Angle (Sign convention is positive angle towards left steering lock)	-34.72	Deg
EPS Steering Wheel Velocity	-0.00	deg/s
EPS System Current Draw	0	A
EPS Measured Module Voltage	10.04	V
EPS Steering Wheel Torque	0.0519	Ft-Lbs
EPS Measured Module Temperature	62.7	°F
CAN Battery Voltage	9.9	Volts

HVAC | B210D-84 | Stored | Battery Voltage Low-Signal Below Allowable Range

NAME	VALUE	UNITS
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
Occurrence flag	Error	
Original Odometer Value	14217	miles
Most Recent Odometer Value	14217	miles
Frequency Counter	1	
Ignition Cycle Counter	2	

HVAC | B21DD-84 | Stored | System Voltage-Signal Below Allowable Range

NAME	VALUE	UNITS
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
Occurrence flag	Error	
Original Odometer Value	14217	miles
Most Recent Odometer Value	14217	miles
Frequency Counter	1	
Ignition Cycle Counter	2	

DDM | B210C-16 | Stored | Battery Voltage Input-Circuit Voltage Below Threshold

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	FF	
Occurrence flag	Error	
Original Odometer Value	14217	miles
Most Recent Odometer Value	14217	miles
Frequency Counter	1	
Operation Cycle Counter	2	

DDM | B21DD-84 | Stored | System Voltage-Signal Below Allowable Range

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	FF	
Occurrence flag	Error	
Original Odometer Value	14217	miles
Most Recent Odometer Value	14217	miles
Frequency Counter	1	
Operation Cycle Counter	2	

PDM | B210C-16 | Stored | Battery Voltage Input-Circuit Voltage Below Threshold

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	FF	
Occurrence flag	Error	
Frequency Counter	1	
Operation Cycle Counter	2	

Most Recent Odometer Value	14217	miles
Original Odometer Value	14217	miles

PDM | B21DD-84 | Stored | System Voltage-Signal Below Allowable Range

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	FF	
Occurrence flag	Error	
Frequency Counter	1	
Operation Cycle Counter	2	
Most Recent Odometer Value	14217	miles
Original Odometer Value	14217	miles

DMRL | B2199-16 | Stored | Battery Voltage-Circuit Voltage Below Threshold

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	14217	miles
Most Recent Odometer Value	14217	miles
Frequency Counter	1	
Ignition Cycle Counter	3	

DMRL | B21DD-84 | Stored | System Voltage-Signal Below Allowable Range

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	14217	miles
Most Recent Odometer Value	14217	miles
Frequency Counter	1	
Ignition Cycle Counter	2	

DMRR | B2199-16 | Stored | Battery Voltage-Circuit Voltage Below Threshold

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	14217	miles
Most Recent Odometer Value	14217	miles
Frequency Counter	1	
Ignition Cycle Counter	3	

DMRR | B21DD-84 | Stored | System Voltage-Signal Below Allowable Range

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	14217	miles
Most Recent Odometer Value	14217	miles
Frequency Counter	1	
Ignition Cycle Counter	2	

PSDML | B2199-16 | Stored | Battery Voltage-Circuit Voltage Below Threshold

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	FF	
Occurrence flag	Occurrence	
Original Odometer Value	14217	miles
Most Recent Odometer Value	14217	miles
Frequency Counter	1	
Ignition Cycle Counter	3	

PSDML | B21DD-84 | Stored | System Voltage-Signal Below Allowable Range

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	FF	
Occurrence flag	Occurrence	
Original Odometer Value	14217	miles
Most Recent Odometer Value	14217	miles
Frequency Counter	1	
Ignition Cycle Counter	2	

PSDMR | B2199-16 | Stored | Battery Voltage-Circuit Voltage Below Threshold

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	FF	
Occurrence flag	Occurrence	
Original Odometer Value	14217	miles
Most Recent Odometer Value	14217	miles
Frequency Counter	1	
Ignition Cycle Counter	3	

PSDMR | B21DD-84 | Stored | System Voltage-Signal Below Allowable Range

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	FF	
Occurrence flag	Occurrence	
Original Odometer Value	14217	miles
Most Recent Odometer Value	14217	miles
Frequency Counter	1	
Ignition Cycle Counter	2	

MSM | B210D-21 | Stored | Battery Voltage Low-Signal Amplitude < Minimum

NAME	VALUE	UNITS
DTC	A1 0D 21	
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	14197	miles
Most Recent Odometer Value	14197	miles
Frequency Counter	1	
Ignition Cycle Counter	3	
DTC Extended Data Record Number	11	
Calibration Version	03 09 00 01	
Front Hard Stop - Current	33002	Counts

Rear Hard Stop - Current	32223	Counts
Learned Seat Travel - Current	779	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	33002	Counts
Rear Hard Stop - Post-destandardization	32223	Counts
Learned Seat Travel - Post-destandardization	779	Counts
ECU Voltage	1.464	Volts
Number of ECU hard resets since latest calibration	8	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	32230	Counts
Position Vertical Rear	32727	Counts
Position Recliner	32312	Counts
Position Vertical Front	32832	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	

MSM | B210A-84 | Stored | System Voltage Low-Signal Below Allowable Range

NAME	VALUE	UNITS
DTC	A1 0A 84	
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	14197	miles
Most Recent Odometer Value	14197	miles
Frequency Counter	1	
Ignition Cycle Counter	3	
DTC Extended Data Record Number	0F	
Calibration Version	03 09 00 01	
Front Hard Stop - Current	33002	Counts
Rear Hard Stop - Current	32223	Counts
Learned Seat Travel - Current	779	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	33002	Counts
Rear Hard Stop - Post-destandardization	32223	Counts
Learned Seat Travel - Post-destandardization	779	Counts
ECU Voltage	1.735	Volts
Number of ECU hard resets since latest calibration	8	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	32230	Counts
Position Vertical Rear	32727	Counts
Position Recliner	32312	Counts
Position Vertical Front	32832	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	

CSWM | B2199-16 | Stored | Battery Voltage-Circuit Voltage Below Threshold

NAME	VALUE	UNITS
DTC	A1 99 16	
DTC Extended Data Record Number - All	00	
Confirmed DTC	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
Frequency Counter	1	
Test Not Completed Since Last Clear	False	
Occurrence flag	Occurrence	
Operation Cycle Counter	3	
Most Recent Odometer Value	14217	miles
Pending DTC	False	
Test Failed Since Last Clear	True	
Test Failed	False	
Test Failed This Operation Cycle	False	
Original Odometer Value	14217	miles

CSWM | B21DD-84 | Stored | System Voltage-Signal Below Allowable Range

NAME	VALUE	UNITS
DTC	A1 DD 84	
DTC Extended Data Record Number - All	00	
Confirmed DTC	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
Frequency Counter	1	
Test Not Completed Since Last Clear	False	
Occurrence flag	Occurrence	
Operation Cycle Counter	3	
Most Recent Odometer Value	14217	miles
Pending DTC	False	
Test Failed Since Last Clear	True	
Test Failed	False	
Test Failed This Operation Cycle	False	
Original Odometer Value	14217	miles

AMP | B21DD-84 | Stored | System Voltage-Signal Below Allowable Range

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	FF	
Occurrence flag	Occurrence	
Original Odometer Value	14217	miles
Most Recent Odometer Value	14217	miles
Frequency Counter	1	
Ignition Cycle Counter	2	

IPC | B2199-16 | Stored | Battery Voltage-Circuit Voltage Below Threshold

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	FF	
Occurrence flag	Occurrence	
Original Odometer Value	14217	miles
Most Recent Odometer Value	14217	miles
Frequency Counter	1	
Ignition Cycle Counter	2	

IPC | B21DD-84 | Stored | System Voltage-Signal Below Allowable Range

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	FF	
Occurrence flag	Occurrence	
Original Odometer Value	14217	miles
Most Recent Odometer Value	14217	miles
Frequency Counter	1	
Ignition Cycle Counter	2	

PTS | B21DD-16 | Stored | System Voltage-Circuit Voltage Below Threshold

NAME	VALUE	UNITS
DTC	A1 DD 16	
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	03	
Occurrence flag	Error	
Original Odometer Value	14217	miles
Most Recent Odometer Value	14217	miles
Frequency Counter	1	
DC/DC Converter Voltage	02	Volt

PTS | B210C-16 | Stored | Battery Voltage Input-Circuit Voltage Below Threshold

NAME	VALUE	UNITS
DTC	A1 0C 16	
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	03	
Occurrence flag	Error	
Original Odometer Value	14217	miles
Most Recent Odometer Value	14217	miles
Frequency Counter	1	
DC/DC Converter Voltage	02	Volt

SCCM | C212A-16 | Stored | System Voltage-Circuit Voltage Below Threshold

NAME	VALUE	UNITS
DTC	61 2A 16	
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	

Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number - All	01	
Occurrence flag	Error	
Original Odometer Value	14217	miles
Most Recent Odometer Value	14217	miles
Frequency Counter	1	
Ignition Cycle Counter	3	
DTC Extended Data Record Number - 2	02	
Ignition Status	Ignition Run	
Operating Voltage	9.8	Volts
Sub-Faults Saved	00 00	
Sub-Faults Active	00 01	

BCM | B2199-16 | Stored | Battery Voltage-Circuit Voltage Below Threshold

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	Error	
Original Odometer Value	14217	miles
Most Recent Odometer Value	14217	miles
Frequency Counter	1	
Ignition Cycle Counter	3	

ACC | C2129-16 | Stored | Battery Voltage-Circuit Voltage Below Threshold

NAME	VALUE	UNITS
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	True	
Warning Indicator Requested	False	
Occurrence flag	Occurrence	
Original Odometer Value	14217	miles
Most Recent Odometer Value	14217	miles

Frequency Counter	1	
Operation Cycle Counter	1	
Vehicle Speed	0	MPH
Engine RPM	0	rpm
ACC Set Speed	0	MPH
Object of Interest Distance	830	FEET
Engine Torque Request	SNA	Ft-Lbs
PRNDL Status	P range	
Ignition Voltage	9.0	
System Voltage	9.2	Volts

ACC | C212A-84 | Stored | System Voltage-Signal Below Allowable Range

NAME	VALUE	UNITS
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
Occurrence flag	Occurrence	
Original Odometer Value	14217	miles
Most Recent Odometer Value	14217	miles
Frequency Counter	1	
Operation Cycle Counter	1	
Vehicle Speed	0	MPH
Engine RPM	0	rpm
ACC Set Speed	0	MPH
Object of Interest Distance	830	FEET
Engine Torque Request	SNA	Ft-Lbs
PRNDL Status	P range	
Ignition Voltage	9.9	
System Voltage	9.8	Volts

OCM | B210A-00 | Stored | System Voltage Low-

NAME	VALUE	UNITS
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	

Warning Indicator Requested	False	
Occurrence flag	Error	
Original Odometer Value	14217	miles
Most Recent Odometer Value	14217	miles
Frequency Counter	1	
Ignition Cycle Counter	3	

HVACR | B2199-16 | Stored | Battery Voltage-Circuit Voltage Below Threshold

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	Error	
Original Odometer Value	14217	miles
Most Recent Odometer Value	14217	miles
Frequency Counter	1	
Ignition Cycle Counter	3	

HVACR | B21DD-84 | Stored | System Voltage-Signal Below Allowable Range

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	Error	
Original Odometer Value	14217	miles
Most Recent Odometer Value	14217	miles
Frequency Counter	1	
Ignition Cycle Counter	3	

LBSS | B21DD-84 | Stored | System Voltage-Signal Below Allowable Range

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	14217	miles
Most Recent Odometer Value	14217	miles
Frequency Counter	1	
Operation Cycle Counter	3	

LBSS | B2199-16 | Stored | Battery Voltage-Circuit Voltage Below Threshold

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	14217	miles
Most Recent Odometer Value	14217	miles
Frequency Counter	1	
Operation Cycle Counter	4	

RBSS | B21DD-84 | Stored | System Voltage-Signal Below Allowable Range

NAME	VALUE	UNITS
DTC	A1 DD 84	
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	14217	miles
Most Recent Odometer Value	14217	miles
Frequency Counter	1	
Operation Cycle Counter	3	
DTC Extended Data Record Number - Record #2	02	
Vehicle Line	Correct	
Vehicle Config Stat	OK	
Model Year	Correct	
Country Code	Correct	
BSS Desired Operating Mode	Init	
BSS Current Operating Mode	BSM	

RBSS | B2199-16 | Stored | Battery Voltage-Circuit Voltage Below Threshold

NAME	VALUE	UNITS
DTC	A1 99 16	
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	14217	miles
Most Recent Odometer Value	14217	miles
Frequency Counter	1	
Operation Cycle Counter	4	
DTC Extended Data Record Number - Record #2	02	
Vehicle Line	Correct	
Vehicle Config Stat	OK	
Model Year	Correct	
Country Code	Correct	
BSS Desired Operating Mode	Init	
BSS Current Operating Mode	Init	

BPCM | P0562-00 | Stored | System Voltage Low-

NAME	VALUE	UNITS
Frequency Counter	1	
Ignition Cycle Counter	1	
FoM - for this DTC (lifetime fails)	1	events
FoM - for this DTC (lifetime fails counts on pass)	0.0000	seconds
FoM - for this DTC (lifetime longest fail on pass)	0.000	seconds

Battery Total Time Awake	31082980	seconds
Key in Ignition	Key_Def	
Key Position	Ign_Run	
EPT -WakeUp	Sourced	
HCP Contactor Command	Closed	
Qualified Contactor Command - QCC	Closed	
Verified Contactor Command - VCC	Closed Restricted	
Contactor Status	Closed	
Plug in Status	Not plugged in	
ChargingLevel	Plug in, but no charge	
Balance Mode	False	
Battery in Periodic wake up (Just battery) at time of Fault	False	
Battery in Periodic wake up (Wake up vehicle) at time of Fault	False	
Vehicle mileage at time of fault (ODO signal in \$3D2)	14221.61	miles
Battery Lifetime Miles	CD5832	miles
Vehicle Speed	0.0	MPH
System (12) Volts at time of fault	6.949	Volts
Battery Lifetime AmpHrs of Charge	7242.4	AHr
Battery Lifetime AmpHrs of DisCharge	7206.7	AHr
SOC at time of Fault	87.5	%
Power Up SOC at time of Fault	87.5	%
HVIL Status -Vehicle	PASS	
HVIL Status - Battery pack	PASS	
HVIL PWM Duty Cycle - Vehicle	49.8	%
HVIL PWM Frequency - Vehicle	87.9	Hz
HVIL PWM peak voltage Sourced - Vehicle	5.765	Volts
HVIL PWM peak voltage Sensed - Vehicle	5.662	Volts
HVIL Source Voltage- Battery	1.385	Volts
HVIL Returned current - Battery	30.60	mA
HV Battery Current Sensor 1 Hall High	-1.25	Amps
HV Battery Current Sensor 2 Hall Low	0.35	Amps
HV Battery Current HVBatCrnt	0.40	Amps
HV Cooling Speed Pump 1 Target	4975	rpm
HV Cooling Speed pump 1 Speed	2025	rpm
Charge indicator Temp	64	°F
BPCM temperature max	66	°F
BPCM temperature min	64	°F
Pump - Wire Open\Short to Gnd	PASS	
Pump - Dry Run Detection	PASS	
Pump - Overcurrent	PASS	
Pump - Overtemperature	PASS	
Pump - Switch Power Shorted	PASS	
Isolation Circuitry Va	2.500	Volts
Isolation Circuitry Vb	2.501	Volts

Isolation Circuitry Vd	0.000	Volts
WC and Circuitry 2.5V Reference Voltage	2.501	Volts
WC and Circuitry Vcc Voltage	4.968	Volts
WC and Circuitry ISO 8V Reference Voltage	7.985	Volts
WC and Circuitry Weld Contactor Sensor G (Pack Negative) Voltage	0.2	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	72462	watts
HV Battery Charge Power 10sec	57372	watts
HV Battery Discharge Power 2sec	105105	watts
HV Battery Discharge Power 10sec	102738	watts
HV Battery Power	007540	watts
Key - DriveRdy (CAN)	True	
Battery Lifetime Number Of Closes	1757	
Battery Full AmpHr Capacity	49	AmpHrs
Cell Impedance Max Discharge	0	mOhms
Cell Impedance Mim Discharge	0	mOhms
Battery Cell Voltage Maximum	4046	mV
Battery Cell Voltage Minimum	4027	mV
Battery Cell Voltage Average	4035	mV
Battery Cell Highest Cell number	86	
Battery Cell Lowest Cell number	66	
HV Battery Voltage (cell sum)	387.30	Volts
HV Battery Voltage (Module Sum)	386.70	Volts
HV Sensor A Pack Voltage	387.30	Volts
HV Sensor B Bus\Link (Pre-Fuse) Voltage	387.50	Volts
HV Sensor C OBCM (HVOBC Fuse) Voltage	387.50	Volts
HV Sensor D Heater (HVHTR Fuse) Voltage	387.30	Volts
HV Sensor G Weld Contactor(Pack Negative) Voltage	0.2	Volts
Battery Temperature Maximum Module	66	°F
Battery Temperature Minimum Module	64	°F
Battery Temperature Average Module	64	°F
Battery Temperature Highest Sensor number	09	
Battery Temperature Lowest Sensor number	11	
Battery Temperature Number of Failing Sensors	00	
HV Cooling Pump Relay Drive	Not Sourced	
HV Cooling Battery coolant inlet temp	64	°F
HV Cooling Battery coolant outlet temp	64	°F
HV Cooling OBCM temp inlet Temp	64	°F
Pump - Battery Coolant Level Low	False	
Isolation Vehicle Diagnostic Status	Run and Passed	

Isolation Vehicle Impedance	7.8310	Mega Ohms
Isolation Battery Diagnostic Status	Run and Passed	
Isolation Battery Impedance	0.8480	Mega Ohms
HV Bat SOH-R	95.3	%
HV Bat SOH-C	94.5	%
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	Close	
BPCM Main HW Timer Status	Not Active	
BPCM Sec Asic Fault State	NOTASSERTED	
BPCM L2 SM Hw Reset Error Counter	0	No Unit
Engine Speed	0	rpm
Accelerator position	7.8	%
Real time clock	429496.7295	seconds
Real time clock-OS Task Delay Timer	0	
Real Time Clock Validity	True	
DTC	05 62 00	
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number - All	01	
Occurrence flag	Error	
Original Odometer Value	14217	miles
Most Recent Odometer Value	14217	miles
DTC Extended Data Record Number - 2	00	

BPCM | P1A0C-00 | Stored | Battery Energy Control Module System Voltage Low-

NAME	VALUE	UNITS
Frequency Counter	1	
Ignition Cycle Counter	1	
FoM - for this DTC (lifetime fails)	1	events

FoM - for this DTC (lifetime fails counts on pass)	0.0000	seconds
FoM - for this DTC (lifetime longest fail on pass)	0.000	seconds
Battery Total Time Awake	31082474	seconds
Key in Ignition	Key_Def	
Key Position	Ign_ Run	
EPT -WakeUp	Sourced	
HCP Contactor Command	Closed	
Qualified Contactor Command - QCC	Closed	
Verified Contactor Command - VCC	Closed Restricted	
Contactor Status	Closed	
Plug in Status	Not plugged in	
ChargingLevel	Plug in, but no charge	
Balance Mode	False	
Battery in Periodic wake up (Just battery) at time of Fault	False	
Battery in Periodic wake up (Wake up vehicle) at time of Fault	False	
Vehicle mileage at time of fault (ODO signal in \$3D2)	14221.61	miles
Battery Lifetime Miles	CD5832	miles
Vehicle Speed	0.0	MPH
System (12) Volts at time of fault	9.868	Volts
Battery Lifetime AmpHrs of Charge	7242.4	AHr
Battery Lifetime AmpHrs of DisCharge	7206.7	AHr
SOC at time of Fault	87.5	%
Power Up SOC at time of Fault	87.5	%
HVIL Status -Vehicle	PASS	
HVIL Status - Battery pack	PASS	
HVIL PWM Duty Cycle - Vehicle	50.2	%
HVIL PWM Frequency - Vehicle	87.9	Hz
HVIL PWM peak voltage Sourced - Vehicle	8.656	Volts
HVIL PWM peak voltage Sensed - Vehicle	8.522	Volts
HVIL Source Voltage- Battery	1.385	Volts
HVIL Returned current - Battery	30.60	mA
HV Battery Current Sensor 1 Hall High	-1.45	Amps
HV Battery Current Sensor 2 Hall Low	0.25	Amps
HV Battery Current HVBatCrnt	0.30	Amps
HV Cooling Speed Pump 1 Target	0	rpm
HV Cooling Speed pump 1 Speed	0	rpm
Charge indicator Temp	64	°F
BPCM temperature max	66	°F
BPCM temperature min	64	°F
Pump - Wire Open\Short to Gnd	PASS	
Pump - Dry Run Detection	PASS	
Pump - Overcurrent	PASS	
Pump - Overtemperature	PASS	
Pump - Switch Power Shorted	PASS	

Isolation Circuitry Va	2.500	Volts
Isolation Circuitry Vb	2.501	Volts
Isolation Circuitry Vd	0.000	Volts
WC and Circuitry 2.5V Reference Voltage	2.501	Volts
WC and Circuitry Vcc Voltage	4.992	Volts
WC and CircuitryISO 8V Reference Voltage	7.985	Volts
WC and Circuitry Weld Contactor Sensor G (Pack Negative) Voltage	0.2	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	71832	watts
HV Battery Charge Power 10sec	56895	watts
HV Battery Discharge Power 2sec	105144	watts
HV Battery Discharge Power 10sec	102780	watts
HV Battery Power	00753C	watts
Key - DriveRdy (CAN)	True	
Battery Lifetime Number Of Closes	1757	
Battery Full AmpHr Capacity	49	AmpHrs
Cell Impedance Max Discharge	0	mOhms
Cell Impedance Mim Discharge	0	mOhms
Battery Cell Voltage Maximum	4047	mV
Battery Cell Voltage Minimum	4028	mV
Battery Cell Voltage Average	4036	mV
Battery Cell Highest Cell number	85	
Battery Cell Lowest Cell number	71	
HV Battery Voltage (cell sum)	387.50	Volts
HV Battery Voltage (Module Sum)	386.90	Volts
HV Sensor A Pack Voltage	387.50	Volts
HV Sensor B Bus\Link (Pre-Fuse) Voltage	387.60	Volts
HV Sensor C OBCM (HVOBC Fuse) Voltage	387.60	Volts
HV Sensor D Heater (HVHTR Fuse) Voltage	387.50	Volts
HV Sensor G Weld Contactor(Pack Negative) Voltage	0.2	Volts
Battery Temperature Maximum Module	66	°F
Battery Temperature Minimum Module	64	°F
Battery Temperature Average Module	64	°F
Battery Temperature Highest Sensor number	09	
Battery Temperature Lowest Sensor number	11	
Battery Temperature Number of Failing Sensors	00	
HV Cooling Pump Relay Drive	Not Sourced	
HV Cooling Battery coolant inlet temp	64	°F
HV Cooling Battery coolant outlet temp	64	°F
HV Cooling OBCM temp inlet Temp	64	°F

Pump - Battery Coolant Level Low	False	
Isolation Vehicle Diagnostic Status	Run and Passed	
Isolation Vehicle Impedance	7.8338	Mega Ohms
Isolation Battery Diagnostic Status	Run and Passed	
Isolation Battery Impedance	0.8480	Mega Ohms
HV Bat SOH-R	95.3	%
HV Bat SOH-C	94.5	%
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	Close	
BPCM Main HW Timer Status	Not Active	
BPCM Sec Asic Fault State	NOTASSERTED	
BPCM L2 SM Hw Reset Error Counter	0	No Unit
Engine Speed	0	rpm
Accelerator position	7.5	%
Real time clock	429496.7295	seconds
Real time clock-OS Task Delay Timer	0	
Real Time Clock Validity	True	
DTC	1A 0C 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	14217	miles
Most Recent Odometer Value	14217	miles
DTC Extended Data Record Number - 2	5A	

HCP | P0562-00 | Stored | System Voltage Low-

NAME	VALUE	UNITS
DTC	05 62 00	

Test Failed	False	
Test Failed This Operation Cycle	False	
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	14221.8	miles
Most Recent Odometer Value	14221.8	miles
Frequency Counter	1	
Ignition Cycle Counter	0	
Real time clock	31082444	sec
RAM stamps keyOn	405	sec
RAM Stamps	138	Min
Accelerator Pedal Position	0	%
Brake Switch Status	Not Applied	
Engine Speed	0	rpm
HV Battery SOC	87	%
Ignition State	Reserved	
PRND Position Display	P	
Propulsion System Active	False	
Vehicle Speed	0.0000	MPH
Motor A Temp Sensor	70	°F
Motor B Temp Sensor	70	°F
Barometric Pressure	15	PSI
Engine Coolant Temperature	64	°F
Internal EPS Voltage Sense A	8.208	Volts
Internal EPS Voltage Sense B	8.064	Volts
Motor A Torque	0.000	Ft-Lbs
Motor B Torque	0.000	Ft-Lbs
Actual Torque - Motor A	0.000	Ft-Lbs
Actual Torque - Motor B	0.000	Ft-Lbs
Available Motor Torque - Motor A	87.205	Ft-Lbs
Available Motor Torque - Motor B	232.301	Ft-Lbs
Available Regen Torque - Motor A	-87.205	Ft-Lbs
Available Regen Torque - Motor B	-232.301	Ft-Lbs
Commanded Torque - Motor A	0.000	Ft-Lbs
Commanded Torque - Motor B	0.000	Ft-Lbs
Motor A - Inverter Current - phase A	0	AMP
Motor A - Inverter Current - phase B	-4	AMP
Motor A - Inverter Current - phase C	0	AMP
Motor B - Inverter Current - phase A	-4	AMP

Motor B - Inverter Current - phase B	-4	AMP
Motor B - Inverter Current - phase C	-4	AMP
Motor B Resolver Angle	56	Degree
Motor A Resolver Angle	12	Degree
Electric Motor A Speed	0.5	rpm
Electric Motor B Speed	0.0	rpm
PIM DC Link Voltage - A	389	Volts
PIM DC Link Voltage - B	388	Volts
HCP ePT Wake-Up Output	On	
CBC Wake-Up Input	Off	
HCP System Shutdown Command	Default	
HV Battery Voltage from BPCM	388.70	Volts
SW Build Release Version	PIM_21B_2011B0_RU_HCP__	
HCP SW Version	21B	
EPT LOC Diag Enable	Enable LOC Diagnostic	
HV Contactor Status	Closed	
APM Status	Idle	
Impact Event	False	
Outside Air Temperature	64.4	°F
OBCM Operating Mode	UTC	
J1772 Prox Detected State	Prox Out	
HV Battery Sleep Time	0	Days
Battery Feed Voltage 1 Sense	10.080	Volts
Battery Feed Voltage 2 Sense	10.080	Volts
Battery Feed Voltage 3 Sense	10.008	Volts
Hybrid System State	Inverters Enabled	
Inverter A IGBT Temperature for phase A	91	°F
Inverter A IGBT Temperature for phase B	95	°F
Inverter A IGBT Temperature for phase C	93	°F
Inverter B IGBT Temperature for phase A	93	°F
Inverter B IGBT Temperature for phase B	93	°F
Inverter B IGBT Temperature for phase C	91	°F
PHEV Charging Status	No Charging	
Distance Travelled with Light ON	0	miles
GPS Date - Year	2021	Year
GPS Date - Month	12	
GPS Date - Day	7	Days
UTC Time - Hours	16	Hours
UTC Time - Minutes	30	
UTC Time - Seconds	1	seconds
ECU Time - Milliseconds	613	ms

HCP | P0A3C-00 | Stored | Drive Motor A Inverter Over Temperature-

NAME	VALUE	UNITS
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DTC	0A 3C 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	14221.4	miles
Most Recent Odometer Value	14221.8	miles
Frequency Counter	2	
Ignition Cycle Counter	0	
Real time clock	31083472	sec
RAM stamps keyOn	420	sec
RAM Stamps	154	Min
Accelerator Pedal Position	0	%
Brake Switch Status	Not Applied	
PHEV Charging Status	No Charging	
Engine Speed	1399	rpm
HV Battery SOC	88	%
Ignition State	Reserved	
PRND Position Display	P	
Propulsion System Active	True	
Vehicle Speed	0.0000	MPH
Barometric Pressure	15	PSI
Engine Coolant Temperature	118	°F
Actual Torque - Motor A	-17.054	Ft-Lbs
Available Motor Torque - Motor A	85.730	Ft-Lbs
Inverter A Input DC Current	-25.2	AMP
Electric Motor A Speed	5803.5	rpm
Motor A - Inverter Current - phase A	-68	AMP
Motor A - Inverter Current - phase B	-12	AMP
Motor A - Inverter Current - phase C	72	AMP
Motor A Phase U Short Fault - High-Side	False	
Motor A Phase U Cross Conduction Fault - High-Side	False	
Motor A Phase U Over Current Fault - High-Side	False	
Motor A Phase U Thermal Warning Fault - High-Side	False	
Motor A Phase U Thermal Shutdown Fault - High-Side	False	
Motor A Phase U Comm Error High Voltage Regulator Fault - High-Side	False	
Motor A Phase U Comm Error Low Voltage Regulator Fault - High-Side	False	
Motor A Phase U SPI Error Fault - High-Side	False	
Motor A Phase U Hardware Error Fault - High-Side	False	

Motor A Phase U Short Fault - Low-Side	False	
Motor A Phase U Cross Conduction Fault - Low-Side	False	
Motor A Phase U Over Current Fault - Low-Side	False	
Motor A Phase U Thermal Warning Fault - Low-Side	False	
Motor A Phase U Thermal Shutdown Fault - Low-Side	False	
Motor A Phase U SPI Error Fault - Low-Side	False	
Motor A Phase U Hardware Error Fault - Low-Side	False	
Motor A Phase V Short Fault - High-Side	False	
Motor A Phase V Cross Conduction Fault - High-Side	False	
Motor A Phase V Over Current Fault - High-Side	False	
Motor A Phase V Thermal Warning Fault - High-Side	False	
Motor A Phase V Thermal Shutdown Fault - High-Side	False	
Motor A Phase V Comm Error High Voltage Regulator Fault - High-Side	False	
Motor A Phase V Comm Error Low Voltage Regulator Fault - High-Side	False	
Motor A Phase V SPI Error Fault - High-Side	False	
Motor A Phase V Hardware Error Fault - High-Side	False	
Motor A Phase V Short Fault - Low-Side	False	
Motor A Phase V Cross Conduction Fault - Low-Side	False	
Motor A Phase V Over Current Fault - Low-Side	False	
Motor A Phase V Thermal Warning Fault - Low-Side	False	
Motor A Phase V Thermal Shutdown Fault - Low-Side	False	
Motor A Phase V SPI Error Fault - Low-Side	False	
Motor A Phase V Hardware Error Fault - Low-Side	False	
Motor A Phase W Short Fault - High-Side	False	
Motor A Phase W Over Current Fault - High-Side	False	
Motor A Phase W Thermal Warning Fault - High-Side	False	
Motor A Phase W Thermal Shutdown Fault - High-Side	False	
Motor A Phase W Comm Error Low Voltage Regulator Fault - High-Side	False	
Motor A Phase W SPI Error Fault - High-Side	False	
Motor A Phase W Hardware Error Fault - High-Side	False	
Motor A Phase W Short Fault - Low-Side	False	
Motor A Phase W Cross Conduction Fault - Low-Side	False	
Motor A Phase W Over Current Fault - Low-Side	False	
Motor A Phase W Thermal Warning Fault - Low-Side	False	
Motor A Phase W Thermal Shutdown Fault - Low-Side	False	
Motor A Phase W Comm Error Low Voltage Regulator Fault - Low-Side	False	
Motor A Phase W SPI Error Fault - Low-Side	False	
Motor A Phase W Hardware Error Fault - Low-Side	False	
Motor A Resolver Supply Voltage Value	15.75	Volts
Battery Feed Voltage 2 Sense	13.464	Volts
Battery Feed Voltage 3 Sense	13.248	Volts
Internal EPS Voltage Sense A	8.208	Volts
Internal EPS Voltage Sense B	8.064	Volts
Hybrid System State	Propulsion System Active	

PIM DC Link Voltage - A	395	Volts
PIM DC Link Voltage - B	394	Volts
Passive Pump Coolant Temp In Sensor	66	°F
Low Temp Active Pump Speed	0	rpm
High Temp Aux Pump - Actual Speed	0	rpm
Outside Air Temperature	64.4	°F
HV Contactor Status	Closed	
Inverter B Status Feedback	Normal On	
Battery Feed Voltage 1 Sense	13.464	Volts
Actual Torque - Motor B	-21.294	Ft-Lbs
Available Motor Torque - Motor B	232.670	Ft-Lbs
Available Regen Torque - Motor A	-85.730	Ft-Lbs
Available Regen Torque - Motor B	-232.670	Ft-Lbs
Commanded Torque - Motor A	-16.962	Ft-Lbs
Commanded Torque - Motor B	-21.110	Ft-Lbs
Motor B - Inverter Current - phase A	32	AMP
Motor B - Inverter Current - phase B	-52	AMP
Motor B - Inverter Current - phase C	12	AMP
Motor B Resolver Angle	64	Degree
Motor B Temp Sensor	75	°F
HCP ePT Wake-Up Output	On	
CBC Wake-Up Input	Off	
EPT LOC Diag Enable	Enable LOC Diagnostic	
HV Battery Voltage from BPCM	394.10	Volts
Electric Motor B Speed	3.0	rpm
Inverter A IGBT Temperature for phase A	230	°F
Inverter A IGBT Temperature for phase B	239	°F
Inverter A IGBT Temperature for phase C	226	°F
Inverter B IGBT Temperature for phase A	214	°F
Inverter B IGBT Temperature for phase B	207	°F
Inverter B IGBT Temperature for phase C	169	°F
APM Status	Buck CV	
Impact Event	False	
HCP System Shutdown Command	Default	
Distance Travelled with Light ON	0	miles
Motor A Torque	-17.054	Ft-Lbs
Motor B Torque	-21.294	Ft-Lbs
OBCM Operating Mode	UTC	
J1772 Prox Detected State	Prox Out	
HV Battery Sleep Time	0	Days
Commanded Inverter A State	Torque Control	
Inverter Status Feedback	Normal On	
Motor A Phase U Over Voltage Fault VH - High-Side	False	
Motor A Phase U Under Voltage Fault VH - High-Side	False	

Motor A Phase U Over Voltage Fault VL - High-Side	False	
Motor A Phase U Under Voltage Fault VL - High-Side	False	
Motor A Phase U Over Voltage Fault VDD - High-Side	False	
Motor A Phase U Under Voltage Fault VDD - High-Side	False	
Motor A Phase U Over Voltage Fault VH - Low-Side	False	
Motor A Phase U Under Voltage Fault VH - Low-Side	False	
Motor A Phase U Over Voltage Fault VL - Low-Side	False	
Motor A Phase U Under Voltage Fault VL - Low-Side	False	
Motor A Phase U Over Voltage Fault VDD - Low-Side	False	
Motor A Phase U Under Voltage Fault VDD - Low-Side	False	
Motor A Phase U Comm Error High Voltage Regulator Fault - Low-Side	False	
Motor A Phase U Comm Error Low Voltage Regulator Fault - Low-Side	False	
Motor A Phase V Over Voltage Fault VH - High-Side	False	
Motor A Phase V Under Voltage Fault VH - High-Side	False	
Motor A Phase V Over Voltage Fault VL - High-Side	False	
Motor A Phase V Under Voltage Fault VL - High-Side	False	
Motor A Phase V Over Voltage Fault VDD - High-SideSide	False	
Motor A Phase V Under Voltage Fault VDD - High-Side	False	
Motor A Phase V Over Voltage Fault VH - Low-Side	False	
Motor A Phase V Under Voltage Fault VH - Low-Side	False	
Motor A Phase V Over Voltage Fault VL - Low-Side	False	
Motor A Phase V Under Voltage Fault VL - Low-Side	False	
Motor A Phase V Over Voltage Fault VDD - Low-Side	False	
Motor A Phase V Under Voltage Fault VDD - Low-Side	False	
Motor A Phase V Comm Error High Voltage Regulator Fault - Low-Side	False	
Motor A Phase V Comm Error Low Voltage Regulator Fault - Low-Side	False	
Motor A Phase W Cross Conduction Fault - High-Side	False	
Motor A Phase W Over Voltage Fault VH - High-Side	False	
Motor A Phase W Under Voltage Fault VH - High-Side	False	
Motor A Phase W Over Voltage Fault VL - High-Side	False	
Motor A Phase W Under Voltage Fault VL - High-Side	False	
Motor A Phase W Over Voltage Fault VDD - High-Side	False	
Motor A Phase W Under Voltage Fault VDD - High-Side	False	
Motor A Phase W Comm Error High Voltage Regulator Fault - High-Side	False	
Motor A Phase W Over Voltage Fault VH - Low-Side	False	
Motor A Phase W Under Voltage Fault VH - Low-Side	False	
Motor A Phase W Over Voltage Fault VL - Low-Side	False	
Motor A Phase W Under Voltage Fault VL - Low-Side	False	
Motor A Phase W Over Voltage Fault VDD - Low-Side	False	
Motor A Phase W Under Voltage Fault VDD - Low-Side	False	
Motor A Phase W Comm Error High Voltage Regulator Fault - Low-Side	False	
Inverter A Status Feedback	Normal On	
GPS Date - Year	2021	Year
GPS Date - Month	12	

GPS Date - Day	7	Days
UTC Time - Hours	16	Hours
UTC Time - Minutes	47	
UTC Time - Seconds	1	seconds
ECU Time - Milliseconds	269	ms

HCP | P0A3D-00 | Stored | Drive Motor B Inverter Over Temperature-

NAME	VALUE	UNITS
DTC	0A 3D 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	14221.4	miles
Most Recent Odometer Value	14221.8	miles
Frequency Counter	2	
Ignition Cycle Counter	0	
Real time clock	31083492	sec
RAM stamps keyOn	435	sec
RAM Stamps	155	Min
Accelerator Pedal Position	0	%
Brake Switch Status	Not Applied	
PHEV Charging Status	No Charging	
Engine Speed	1096	rpm
HV Battery SOC	89	%
Ignition State	Reserved	
PRND Position Display	P	
Propulsion System Active	True	
Vehicle Speed	0.0000	MPH
Barometric Pressure	15	PSI
Engine Coolant Temperature	127	°F
Actual Torque - Motor B	-17.423	Ft-Lbs
Available Motor Torque - Motor B	232.393	Ft-Lbs
Inverter B Input DC Current	4.9	AMP
Electric Motor B Speed	3.5	rpm
Commanded Inverter B State	Torque Control	
Motor B - Inverter Current - phase A	28	AMP
Motor B - Inverter Current - phase B	-44	AMP
Motor B - Inverter Current - phase C	8	AMP

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

Motor B Phase W Cross Conduction Fault - Low-Side	False	
Motor B Phase W Over Current Fault - Low-Side	False	
Motor B Phase W Thermal Warning Fault - Low-Side	False	
Motor B Phase W Thermal Shutdown Fault - Low-Side	False	
Motor B Phase W Comm Error High Voltage Regulator Fault - Low-Side	False	
Motor B Phase W Comm Error Low Voltage Regulator Fault - Low-Side	False	
Motor B Phase W SPI Error Fault - Low-Side	False	
Motor B Phase W Hardware Error Fault - Low-Side	False	
Motor B Resolver Supply Voltage Value	15.75	Volts
Battery Feed Voltage 2 Sense	13.464	Volts
Internal EPS Voltage Sense A	8.208	Volts
Internal EPS Voltage Sense B	8.064	Volts
Battery Feed Voltage 1 Sense	13.392	Volts
Battery Feed Voltage 3 Sense	13.248	Volts
Hybrid System State	Propulsion System Active	
Actual Torque - Motor A	-14.104	Ft-Lbs
Available Motor Torque - Motor A	85.730	Ft-Lbs
Available Regen Torque - Motor A	-85.730	Ft-Lbs
Available Regen Torque - Motor B	-232.393	Ft-Lbs
Commanded Torque - Motor A	-14.104	Ft-Lbs
Commanded Torque - Motor B	-17.607	Ft-Lbs
Motor A - Inverter Current - phase A	-40	AMP
Motor A - Inverter Current - phase B	68	AMP
Motor A - Inverter Current - phase C	-32	AMP
Motor A Resolver Angle	246	Degree
Motor A Temp Sensor	84	°F
Outside Air Temperature	64.4	°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	392.80	Volts
Electric Motor A Speed	4551.5	rpm
PIM DC Link Voltage - A	393	Volts
PIM DC Link Voltage - B	392	Volts
Inverter A IGBT Temperature for phase A	253	°F
Inverter A IGBT Temperature for phase B	266	°F
Inverter A IGBT Temperature for phase C	250	°F
Inverter B IGBT Temperature for phase A	239	°F
Inverter B IGBT Temperature for phase B	230	°F
Inverter B IGBT Temperature for phase C	187	°F
APM Status	Buck CV	
Impact Event	False	
HCP System Shutdown Command	Default	

Distance Travelled with Light ON	0	miles
Motor A Torque	-14.104	Ft-Lbs
Motor B Torque	-17.423	Ft-Lbs
OBCM Operating Mode	UTC	
J1772 Prox Detected State	Prox Out	
HV Battery Sleep Time	0	Days
Motor B Phase U Over Current Fault - High-Side	False	
Motor B Phase U Over Voltage Fault VH - High-Side	False	
Motor B Phase U Under Voltage Fault VH - High-Side	False	
Motor B Phase U Over Voltage Fault VL - High-Side	False	
Motor B Phase U Under Voltage Fault VL - High-Side	False	
Motor B Phase U Over Voltage Fault VDD - High-Side	False	
Motor B Phase U Under Voltage Fault VDD - High-Side	False	
Motor B Phase U Comm Error Low Voltage Regulator Fault - High-Side	False	
Motor B Phase U Over Voltage Fault VH - Low-Side	False	
Motor B Phase U Under Voltage Fault VH - Low-Side	False	
Motor B Phase U Over Voltage Fault VL - Low-Side	False	
Motor B Phase U Under Voltage Fault VL - Low-Side	False	
Motor B Phase U Over Voltage Fault VDD - Low-Side	False	
Motor B Phase U Under Voltage Fault VDD - Low-Side	False	
Motor B Phase V Over Voltage Fault VH - High-Side	False	
Motor B Phase V Under Voltage Fault VH - High-Side	False	
Motor B Phase V Over Voltage Fault VL - High-Side	False	
Motor B Phase V Under Voltage Fault VL - High-Side	False	
Motor B Phase V Over Voltage Fault VDD - High-Side	False	
Motor B Phase V Under Voltage Fault VDD - High-Side	False	
Motor B Phase V Over Voltage Fault VH - Low-Side	False	
Motor B Phase V Under Voltage Fault VH - Low-Side	False	
Motor B Phase V Over Voltage Fault VL - Low-Side	False	
Motor B Phase V Under Voltage Fault VL - Low-Side	False	
Motor B Phase V Over Voltage Fault VDD - Low-Side	False	
Motor B Phase V Under Voltage Fault VDD - Low-Side	False	
Motor B Phase W Over Voltage Fault VH - High-Side	False	
Motor B Phase W Under Voltage Fault VH - High-Side	False	
Motor B Phase W Over Voltage Fault VL - High-Side	False	
Motor B Phase W Under Voltage Fault VL - High-Side	False	
Motor B Phase W Over Voltage Fault VDD - High-Side	False	
Motor B Phase W Under Voltage Fault VDD - High-Side	False	
Motor B Phase W Thermal Shutdown Fault - High-Side	False	
Motor B Phase W Over Voltage Fault VH - Low-Side	False	
Motor B Phase W Under Voltage Fault VH - Low-Side	False	
Motor B Phase W Over Voltage Fault VL - Low-Side	False	
Motor B Phase W Under Voltage Fault VL - Low-Side	False	
Motor B Phase W Over Voltage Fault VDD - Low-Side	False	

Motor B Phase W Under Voltage Fault VDD - Low-Side	False	
GPS Date - Year	2021	Year
GPS Date - Month	12	
GPS Date - Day	7	Days
UTC Time - Hours	16	Hours
UTC Time - Minutes	48	
UTC Time - Seconds	0	seconds
ECU Time - Milliseconds	825	ms

HCP | P1A27-00 | Stored | On Board Charging Module System Voltage Low-

NAME	VALUE	UNITS
DTC	1A 27 00	
Test Failed	False	
Test Failed This Operation Cycle	False	
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	07	
Occurrence flag	Occurrence	
Original Odometer Value	14221.8	miles
Most Recent Odometer Value	14221.8	miles
Frequency Counter	1	
Ignition Cycle Counter	0	
Real time clock	31082816	sec
RAM stamps keyOn	780	sec
RAM Stamps	145	Min
Accelerator Pedal Position	0	%
Brake Switch Status	Not Applied	
Engine Speed	0	rpm
Ignition State	Reserved	
PRND Position Display	P	
Propulsion System Active	False	
Vehicle Speed	0.0000	MPH
Barometric Pressure	15	PSI
Engine Coolant Temperature	64	°F
HVIL Sense Input State	Detected	
No Charging Reasons	Reserved	
Battery Feed Voltage 2 Sense	7.200	Volts
Internal EPS Voltage Sense A	8.064	Volts
Internal EPS Voltage Sense B	7.920	Volts
HCP ePT Wake-Up Output	On	

CBC Wake-Up Input	Off	
Hybrid System State	Inverters Enabled	
SW Build Release Version	PIM_21B_2011B0_RU_HCP___	
HCP SW Version	21B	
EPT LOC Diag Enable	Enable LOC Diagnostic	
CAN Overrun Counter	0	Number
Impact Event	False	
Outside Air Temperature	64.4	°F
Maximum Charge Current Allowed	0.00	Amps
Charge Current Available	0.00	AMP
OBCM Derating Reason	No Derating	
OBCM Operating Mode	UTC	
HCP Commanded OBCM Mode	Idle	
J1772 Prox Detected State	CP DET	
J1772 Pilot Detected State	NO EVSE	
OBCM J1772 S2 Status	Off	
HCP J1772 S2 Close Command	Off	
OBCM Ready to Charge	Charge Enabled	
HCP Command to Enable Charging	Charge Disabled	
HCP Charging System Status	No Charging	
HCP Charging Level	Reserved	
HCP Charging System Fault	False	
HCP Charging Fault Reason	Reserved	
HV Battery Contactor State	Closed	
DC Voltage Not Detected	Passed	
AC Voltage Detected	AC Not OK	
HV Battery Actual Current	0.40	AMP
AC Voltage for Charging	2.1	Volts
AC Current During Charging	0.70	Amps
Maximum EVSE Current Available	0	AMP
HCP Charging Current Command	0.00	AMP
HCP Charging Voltage Command	1	Volts
DC Charging Current	0.20	Amps
OBCM Charging Voltage	386.2	Volts
OBCM Module A Max Temperature	82	°F
OBCM Module B Max Temperature	81	°F
OBCM Module A PCB Temperature	82	°F
OBCM Module B PCB Temperature	81	°F
OBCM Accumulated Charging Time	55437	hrs
OBCM Charging Power	0	KW-Hrs
HV Battery Pump Current	0.0	AMP
Radiator Fan Command	7	%
HV Battery Inlet Temperature	64	°F
HV Battery Outlet Temperature	64	°F

HV Battery Min Cell Voltage	0.225	Volts
Max Cell Voltage	0.550	Volts
Min Cell Temperature	64	°F
Max Cell Temperature	66	°F
HV Battery Sleep Time	0	Days
HV Battery SOC	87	%
Battery Feed Voltage 1 Sense	7.200	Volts
Battery Feed Voltage 3 Sense	7.128	Volts
Actual Torque - Motor A	0.000	Ft-Lbs
Actual Torque - Motor B	0.000	Ft-Lbs
Available Motor Torque - Motor A	87.205	Ft-Lbs
Available Motor Torque - Motor B	232.301	Ft-Lbs
Available Regen Torque - Motor A	-87.205	Ft-Lbs
Available Regen Torque - Motor B	-232.301	Ft-Lbs
Commanded Torque - Motor A	0.000	Ft-Lbs
Commanded Torque - Motor B	0.000	Ft-Lbs
Motor A - Inverter Current - phase A	-4	AMP
Motor A - Inverter Current - phase B	0	AMP
Motor A - Inverter Current - phase C	0	AMP
Motor B - Inverter Current - phase A	-4	AMP
Motor B - Inverter Current - phase B	-4	AMP
Motor B - Inverter Current - phase C	-4	AMP
Motor A Resolver Angle	346	Degree
Motor B Resolver Angle	72	Degree
Motor A Temp Sensor	70	°F
Motor B Temp Sensor	70	°F
HV Contactor Status	Closed	
HV Battery Voltage from BPCM	387.90	Volts
Electric Motor A Speed	1.0	rpm
Electric Motor B Speed	0.0	rpm
PIM DC Link Voltage - A	389	Volts
PIM DC Link Voltage - B	387	Volts
Inverter A IGBT Temperature for phase A	104	°F
Inverter A IGBT Temperature for phase B	106	°F
Inverter A IGBT Temperature for phase C	106	°F
Inverter B IGBT Temperature for phase A	104	°F
Inverter B IGBT Temperature for phase B	106	°F
Inverter B IGBT Temperature for phase C	102	°F
APM Status	Idle	
HCP System Shutdown Command	Default	
PHEV Charging Status	No Charging	
Distance Travelled with Light ON	0	miles
Motor A Torque	0.000	Ft-Lbs
Motor B Torque	0.000	Ft-Lbs

GPS Date - Year	2021	Year
GPS Date - Month	12	
GPS Date - Day	7	Days
UTC Time - Hours	16	Hours
UTC Time - Minutes	37	
UTC Time - Seconds	0	seconds
ECU Time - Milliseconds	131	ms

OBCM | P0562-00 | Stored | System Voltage Low-

NAME	VALUE	UNITS
DTC	05 62 00	
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number - All	01	
Occurrence flag	Error	
Original Odometer Value	14217	miles
Most Recent Odometer Value	14217	miles
Frequency Counter	1	
Ignition Cycle Counter	3	
DTC Extended Data Record Number - Record #2	00	
OBCM Status AC Present	AC Not OK	
AC Line Low	Not Valid	
AC Line High	Not Valid	
AC Side Current	0.70	Amps
AC Side Volt	2.1	Volts
HCP (EVCU) AC Current Max Cal	-0.50	Amps
HCP (EVCU) Voltage Request	0	Volts
HCP (EVCU) Current Request	0.00	AMP
Battery Not Detected	False	
Battery Voltage Under Min	Not Valid	
Battery Voltage Over Max	Not Valid	
Battery Side Current	0.20	Amps
Battery Side Voltage	206.2	Volts
HV OC	False	
HV OV	False	
HCP (EVCU) HV Current Max Cal	-12.00	Amps
HCP (EVCU) HV Volt Max Cal	152	Volt
HCP (EVCU) HV Volt Min Cal	244	Volt

OBCM Temperature 1	81	°F
OBCM Temperature 2	82	°F
OBCM Temperature 3	66	°F
OBCM Temperature 4	63	°F
NTC1 OT	False	
NTC2 OT	False	
NTC3 OT	False	
NTC4 OT	False	
External OBCM Inlet Temperature (CAN)	-40	°F
J1772 ICA	0	AMP
J1772 S2 Close	Open	
J1772 Stat	Veh Not Connected	
J1772 S2 Status	Open	
Control Pilot Amplitude	0.012	Volts
Control Pilot Duty Cycle	0.00	%
Control Pilot Frequency	1024	Hz
EVSE Pilot Stat	NO EVSE	
Prox Stat	Prox Out	
Prox Voltage	4.436	Volt
OBC Idle Tml	113	hrs
Watt-Hours of AC Power	0	W-Hrs
Watt Hours of Charge the HV Bus	0	W-Hrs
OBCM Mode	UTC	
OBCM Charger Ready	Off	
OBCM WU Status	Off	
Charge Enable Status	Chrg Disable	
HCP (EVCU) Shutdown Command	EVCU Operational	
HCP (EVCU) Enable Charge Command	Charge disable	
HCP (EVCU) OBC Mode Request	Idle	
Generic Fail Sts	No Functional Fail Present	
Chrg Fail Sts	Faulted - Charging Allowed	
OBCM Wake Up Reason	Master Wake Up	
OBC Control Mth	Current	
OBCM Deraing Reason	No Derating	
Close Chrgr Cntctr	Open	
Chrgr Cntctr Stat	Closed	
Chrg Mode	Charge Mode	
OBCM Fault Reason	No Faults detected	
Module A Primary - PFC Temperature	64	°F
Module A Primary - LLC Temperature	63	°F
Module A Secondary - Buck Temperature	63	°F
Module A Secondary - Ambient Temperature	82	°F
Module A Primary - AC Side Volt	2.0	Volts
Module A Primary - AC Side Current	-24.60	Amps

Module A Secondary - Battery Side Voltage	206.2	Volts
Module A Secondary - Battery Side Current	-24.90	Amps
Module A Secondary - Buck Output Voltage	0.1	Volts
Module B Primary - PFC Temperature	68	°F
Module B Primary - LLC Temperature	66	°F
Module B Secondary - Buck Temperature	66	°F
Module B Secondary - Ambient Temperature	81	°F
Module B Primary - AC Side Volt	2.2	Volts
Module B Primary - AC Side Current	-24.70	Amps
Module B Secondary - Battery Side Voltage	206.2	Volts
Module B Secondary - Battery Side Current	-24.90	Amps
Module B Secondary - Buck Output Voltage	0.1	Volts
OBCM - HV Over Voltage Protect	False	
OBCM - LV Aux Over Voltage Protect	False	
OBCM - LV Aux Under Voltage Protect	False	
OBCM - LLC Over Voltage Protect	False	
OBCM - LLC Under Voltage Protect	False	
OBCM - PFC Over Voltage Protect	False	
OBCM - PFC Under Voltage Protect	False	
OBCM - Battery 12V Under Voltage Protect	True	
OBCM - Battery 12V Over Voltage Protect	False	
OBCM - AC Under Voltage Protect	False	
OBCM - AC Over Voltage Protect	False	
OBCM - AC Over Current Protect	False	
OBCM - HV Voltage Over MaxCal Protect	False	
OBCM - HV Over Current Protect	False	
OBCM - Power Stage Over Voltage Protect	False	
OBCM - Internal Memory Fault	False	
OBCM - Over Temperature Protect	False	
OBCM - HCP Loss of Communication Protect	False	
OBCM - Loss BPCM Communication Protect	False	
OBCM - CAN Bus Off	False	
OBCM - Pilot Duty Fault	False	
OBCM - Prox Range To Low	False	
OBCM - Prox Range To High	False	
OBCM - HV Voltage Under MinCal Protect	False	
OBCM - SPI Communication Fault	False	
OBCM - Pilot Short To Battery	False	
OBCM - WakeUp Output Stuck Low	False	
OBCM - WakeUp Output Stuck High	False	
OBCM - ORC Loss of Communication	False	
OBCM - HV Battery Not Contact	False	
OBCM - Loss Communication Protect	False	
OBCM - Receive HV Battery Contact Open From BPCM	False	

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

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

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

Module B Secondary - LV Micro Disable Command	False	
Module B Secondary - PFC High Temperature Derating	False	
Module B Secondary - PFC Low Temperature Derating	False	
Module B Secondary - LLC High Temperature Derating	False	
Module B Secondary - LLC Low Temperature Derating	False	
Module B Secondary - HV High Temperature Derating	False	
Module B Secondary - HV Low Temperature Derating	False	
Module B Secondary - Ambient High Temperature Derating	False	
Module B Secondary - Ambient Low Temperature Derating	False	
Module B Secondary - AC Input Voltage Derating	False	
Module B Secondary - HV Output Voltage Derating	False	
SBC State_DF00	04	
SBC State_DF80	00	
SBC State_E100	00	
SBC State_E180	00	
SBC State_E300	00	
SBC State_E500	00	
SBC State_E580	00	
OBCM Charge Current Available	0.00	AMP
BPCM HV Battery Contactor Open	False	
SBC Bus Off	False	
CANSIP Bus Off	False	
OBC Charge Time	0	sec
OBC Charge Tml	55437	hrs
OBC Idle Time	0	sec
EPT LOC Diag Enable	Enable LOC Diagnostic	
HCP Shutdown Command	No Shutdown	
HV Battey Contactor Open	False	
BPCM Request for HV Contactor	False	
HV Contactor Status	Open	
Ignition on Time for DTC	0	sec

MSMP | B210D-21 | Stored | Battery Voltage Low-Signal Amplitude < Minimum

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	14197	miles
Most Recent Odometer Value	14197	miles
Frequency Counter	1	
Ignition Cycle Counter	3	

MSMP | B210A-84 | Stored | System Voltage Low-Signal Below Allowable Range

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	14197	miles
Most Recent Odometer Value	14197	miles
Frequency Counter	1	
Ignition Cycle Counter	3	

DSM | B2199-16 | Stored | Battery Voltage-Circuit Voltage Below Threshold

NAME	VALUE	UNITS
DTC	A1 99 16	
Test Failed	False	
Pending DTC	False	
Test Failed This Operation Cycle	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number - All	01	
Occurrence flag	Occurrence	
Original Odometer Value	14217	miles
Most Recent Odometer Value	14217	miles
Frequency Counter	1	
Ignition Cycle Counter	3	

DSM | B21DD-84 | Stored | System Voltage-Signal Below Allowable Range

NAME	VALUE	UNITS
DTC	A1 DD 84	
Test Failed	False	

Pending DTC	False	
Test Failed This Operation Cycle	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number - All	01	
Occurrence flag	Occurrence	
Original Odometer Value	14217	miles
Most Recent Odometer Value	14217	miles
Frequency Counter	1	
Ignition Cycle Counter	3	

RCCC | B2199-16 | Stored | Battery Voltage-Circuit Voltage Below Threshold

NAME	VALUE	UNITS
DTC	A1 99 16	
Test Failed	False	
Test Failed This Operation Cycle	False	
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	Occurrence	
Original Odometer Value	14217	miles
Most Recent Odometer Value	14217	miles
Frequency Counter	1	
Ignition Cycle Counter	3	

RCCC | B21DD-84 | Stored | System Voltage-Signal Below Allowable Range

NAME	VALUE	UNITS
DTC	A1 DD 84	
Test Failed	False	
Test Failed This Operation Cycle	False	
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	Occurrence	
Original Odometer Value	14217	miles
Most Recent Odometer Value	14217	miles
Frequency Counter	1	
Ignition Cycle Counter	2	

EBBM | P0562-00 | Stored | System Voltage Low-

NAME	VALUE	UNITS
DTC	05 62 00	
Test Failed	False	
Test Failed This Operation Cycle	False	
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	True	
Warning Indicator Requested	True	
Occurrence flag	Error	
Mirror Memory	No	
Undervoltage Suspected	No	
Original Odometer Value	14217	miles
Most Recent Odometer Value	14217	miles
Frequency Counter	2	
Ignition Cycle Counter	0	
Fault Time	1012.60	S
Booster Supply	10.6	V
ECU Supply	10.6	V
Ignition	10.6	V
Pedal Travel Sensor Supply	5.0	V
iBooster System Mode	Ready Mode - iBooster is ready for actuation	
Brake Pedal Applied	brake pedal not applied	
iBooster ECU Temperature Channel 1	65.8906	°F
iBooster ECU Temperature Channel 2	65.8344	°F
iBooster Brake Pedal State	brake pedal not applied	
ESP Master Cylinder Pressure	0.00	PSI
Pedal Travel Sensor One	-0.0175779	mm_
Pedal Travel Sensor Two	0.0214841	mm_
iBooster Rotary Position Sensor	0.00	Deg
iBooster Output Rod Stroke	0.00	mm_
iBooster Input Rod Stroke	0.03	mm_
iBooster Boost Body Stroke	-0.05	mm_
Vehicle Speed	0.00	MPH
Supplier Internal Code	164	

ABSO | C0021-00 | Stored | Brake Booster-

NAME	VALUE	UNITS
DTC	40 21 00	
Test Failed	False	
Test Failed This Operation Cycle	False	
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	14217	miles
Most Recent Odometer Value	14217	miles
Frequency Counter	1	
Ignition Cycle Counter	0	
Fault Time	515.80	S
Current System Mode	Ignition Run	
Previous System Mode	Ignition Run	
System Condition	OK	
Supply Voltage Valves	9.3	V
Brake Pedal Status	Released	
Supply voltage Pump	9.3	V
Brake Pedal Travel Sensor Position	0	%
Ignition Unfiltered	9.3	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	12.80	°
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	Static	
BLS High	No	
BLS Low	Yes	
Park Brake	Not Activated	
ESP-OFF mode	No	
Clutch	Not Activated	
Stop Coordinator Active	No	
Actual Gear	P	
Transmission selector lever setting	P	
Status Parking Brake Left	Brake is Released	
Status Parking Brake Right	Brake is Released	
EPB Switch Status	Idle	
Supplier Internal Code	580	

ABSO | C2102-00 | Stored | System Voltage Low-

NAME	VALUE	UNITS
DTC	61 02 00	
Test Failed	False	
Test Failed This Operation Cycle	False	
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	True	
Warning Indicator Requested	True	
Occurrence flag	Occurrence	
Controller Event	No	
Mirror Memory	No	
Undervoltage Suspected	No	
Original Odometer Value	14217	miles
Most Recent Odometer Value	14217	miles
Frequency Counter	1	
Ignition Cycle Counter	0	
Fault Time	727.20	S
Current System Mode	Ignition Run	

Previous System Mode	Ignition Run	
System Condition	OK	
Supply Voltage Valves	7.4	V
Brake Pedal Status	Released	
Supply voltage Pump	7.4	V
Brake Pedal Travel Sensor Position	0	%
Ignition Unfiltered	7.4	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	12.80	°
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	Static	
BLS High	No	
BLS Low	Yes	
Park Brake	Not Activated	
ESP-OFF mode	No	
Clutch	Not Activated	
Stop Coordinator Active	No	
Actual Gear	P	
Transmission selector lever setting	P	
Status Parking Brake Left	Brake is Released	
Status Parking Brake Right	Brake is Released	
EPB Switch Status	Idle	

Supplier Internal Code

224

SGW | B2199-16 | Stored | Battery Voltage-Circuit Voltage Below Threshold

NAME	VALUE	UNITS
Test Failed	False	
Test Failed This Monitoring Cycle	False	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed This Monitoring Cycle	False	
Warning Indicator Requested	False	
DTCExtendedDataRecordNumber	Record \$01-\$8f	
Event Counter	Event counter for clear DTC memory	
Cycle to Switch Warning Lamp OFF	3 = error present (3 cycle consecutive for switch MIL OFF) 0 = error Not present 1..2 = number cycle consecutive for switch MIL OFF	

TBM2 | B1570-93 | Stored | USB Communication-No Operation

NAME	VALUE	UNITS
DTC	95 70 93	
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	
Frequency Counter	1	

TBM2 | U0184-00 | Stored | Lost Communication With Radio-

NAME	VALUE	UNITS
DTC	C1 84 00	
Test Failed	False	
Test Failed This Operation Cycle	False	
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	
Frequency Counter	1	

SNAPSHOT DATA SUMMARY

No Snapshot Data available for B21DD-16

No Snapshot Data available for B2199-16

No Snapshot Data available for B210D-16

No Snapshot Data available for B21DD-84

No Snapshot Data available for B2199-16

No Snapshot Data available for B21DD-84

No Snapshot Data available for P1C8B-16

No Snapshot Data available for P1C8C-16

No Snapshot Data available for C2129-16

No Snapshot Data available for C212A-84

No Snapshot Data available for B210D-84

No Snapshot Data available for B21DD-84

No Snapshot Data available for B210C-16

No Snapshot Data available for B21DD-84

No Snapshot Data available for B210C-16

No Snapshot Data available for B21DD-84

No Snapshot Data available for B2199-16

No Snapshot Data available for B21DD-84

No Snapshot Data available for B2199-16

No Snapshot Data available for B21DD-84

No Snapshot Data available for B2199-16

No Snapshot Data available for B21DD-84

No Snapshot Data available for B2199-16

No Snapshot Data available for B21DD-84

No Snapshot Data available for B210D-21

No Snapshot Data available for B210A-84

No Snapshot Data available for B2199-16

No Snapshot Data available for B21DD-84

No Snapshot Data available for B21DD-84

No Snapshot Data available for B2199-16

No Snapshot Data available for B21DD-84

No Snapshot Data available for B21DD-16

No Snapshot Data available for B210C-16

No Snapshot Data available for C212A-16

No Snapshot Data available for B2199-16

No Snapshot Data available for C2129-16

No Snapshot Data available for C212A-84

No Snapshot Data available for B210A-00

No Snapshot Data available for B2199-16

No Snapshot Data available for B21DD-84

No Snapshot Data available for B21DD-84

No Snapshot Data available for B2199-16

No Snapshot Data available for B21DD-84

No Snapshot Data available for B2199-16

No Snapshot Data available for P0562-00

No Snapshot Data available for P1A0C-00

No Snapshot Data available for P0562-00

No Snapshot Data available for P0A3C-00

No Snapshot Data available for P0A3D-00

No Snapshot Data available for P1A27-00

No Snapshot Data available for P0562-00

No Snapshot Data available for B210D-21

No Snapshot Data available for B210A-84

No Snapshot Data available for B2199-16

No Snapshot Data available for B21DD-84

No Snapshot Data available for B2199-16

No Snapshot Data available for B21DD-84

No Snapshot Data available for P0562-00

No Snapshot Data available for C0021-00

No Snapshot Data available for C2102-00

SGW | B2199-16 | Stored | Battery Voltage-Circuit Voltage Below Threshold

Record 0

NAME	VALUE	UNITS
TestFailed	False	
TestFailedThisMonitoringCycle	False	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed This Monitoring Cycle	False	

Warning Indicator Requested	False	
DTC Snapshot Record Number	Record #1	
DTC Snapshot Record Number Of Identifiers	5	
Key On Counter	956	
DTC Failure Type Byte	2F	
Battery Voltage (+30)	8.90	V

No Snapshot Data available for B1570-93

No Snapshot Data available for U0184-00



VEHICLE SCAN REPORT

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

Odometer 14221.8 miles
Publication Date Dec 8, 2021, 10:12:53 AM

ECU SUMMARY INFO

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

P				
SCCM	Steering Column Control Module	CAN-C	68360889AD	68360889AD
BCM	Body Controller	CAN-C	68491085AG	68491085AG
ACC	Adaptive Cruise Control	CAN-C	68540436AA	68540436AA
RADIO	Radio	CAN-I	68465292AC	68465292AC
OCM	Occupant Classification	CAN-C	68403127AA	68403127AA
HVACR	Heat, Ventilation and A/C Rear	CAN-I	68373079AB	68373079AB
LBSS	Left Blind Spot Sensor	CAN-I	04672786AB	04672786AB
RBSS	Right Blind Spot Sensor	CAN-I	04672786AB	04672786AB
FFCM	Forward Facing Camera Module	CAN-C	68493395AA	68493395AA
APM	Accessory Power Module	CAN-C	05185046AB	05185046AB
BPCM	Battery Pack Control Module	CAN-C	05193183AE	05193183AE
HCP	Hybrid Control Processor	CAN-C	05185116AH	05185116AH
OBCM	On Board Charging Module	CAN-C	05185047AE	05185047AE
MSMP	Memory Seat Module - Passenger	CAN-I	68321862AC	68321862AC
DSM	Display Screen Module	CAN-I	68437339AD	68437339AD
RCCC	Rear Cabin Comfort Controls	CAN-I	6WL30DX9AA	6WL30DX9AA
EAC	Electric A/C Compressor	CAN-C	68237995AG	68237995AG
AHCP	Auxiliary Hybrid Control Processor	CAN-C	05185117AH	05185117AH
EBBM	Electronic Brake Booster Module	CAN-C	68461813AB	68461813AB
ABSO	Anti Lock Brakes OBD	CAN-C	68471122AD	68471122AD
SGW	Security Gateway Module	CAN-C	68488429AB	68488429AB
TBM2	Telematic Box Module 2	CAN-C	68546266AB	68546266AB

ECU SUMMARY INFO (CONT...)

ECU	COUNTRY CODE	HARDWARE VERSION	SOFTWARE VERSION	IDENT	CVNS
PCM	USA	1B 47	75 01 01	4422	F2DB13B9
PLGM	USA	0	5084	000200000031	
ICS	USA	0F 0C 00	13 31 01	4700	
RFH	USA / USA	10 17 00	13 26 00	4A00	
ESM	USA / USA	0F 24 00	12 28 FF	4402	

ORC	USA / USA	12 1A 00	13 2E 00	4301	
EPS	USA / USA	12 2A 00	12 1E 01	4502	
HVAC	USA	0E 09 00	14 2F 01	4401	
DDM	USA	11 07 00	14 07 00	4202	
PDM	USA	11 07 00	14 07 00	4202	
DMRL	USA / USA	10 0B 00	14 08 00	4201	
DMRR	USA / USA	10 0B 00	14 08 00	4201	
PSDML	USA / USA	10 17 00	14 10 12	4001	
PSDMR	USA / USA	10 17 00	14 10 12	4001	
MSM	USA	0F 2B 00	10 27 03	4101	
CSWM	USA	11 2A 00	14 25 00	4302	
AMP	USA	18 2E 01	13 15 00	4030	
IPC	USA / USA	12 06 00	14 2B 00	4705	
PTS	USA	0E 32 00	14 07 00	4311	
SCCM	USA	13 28 00	13 29 00	4301	
BCM	USA	0D 11 00	14 26 90	4420	
ACC	USA / USA	14 12 01	14 26 01	4400	
RADIO		65	5175	000200000008	
OCM	USA / USA	11 1F 01	0E 2F 02	4030	
HVACR	USA	0E 09 00	10 03 02	4301	
LBSS	USA / USA	11 30 02	12 0D 00	4202	
RBSS	USA / USA	11 30 02	12 0D 00	4202	
FFCM	USA / USA	11 06 00	13 1E 00	4102	
APM	USA / USA	11 32 00	11 32 00	4001	
BPCM	Not programmed / COUNTRY_SNA	0E 03 00	14 2C 00	4005	79855957
HCP	USA	11 1F 04	0F 2D 00	4006	879F1587 D754327D 050DC953
OBCM	USA	0F 0D 00	12 02 00	4002	
MSMP	USA	0F 2B 00	10 27 03	4001	
DSM	USA / USA	14 0C 00	14 28 00	4300	
RCCC	USA	0F 1D 00	13 04 00	4000	
EAC	USA	0E 34 00	12 0F 00	4102	
AHCP	USA	11 1F 04	0F 2D 00	4000	
EBBM	USA	0E 19 02	14 0D 18	4000	E5898FA5
ABSO	USA	0E 15 02	14 1B 26	4201	4F158D1B
SGW		5	969	4103	
TBM2	USA	13 0E 02	14 2A 5C	4104	

DTC SUMMARY

ECU	DTC CODE	DTC DESCRIPTION	STATUS
DMRL	B224F-54	Door Module Internal-Missing Calibration	Active
DMRR	B224F-54	Door Module Internal-Missing Calibration	Active
HCP	P0A3C-00	Drive Motor A Inverter Over Temperature-	Stored
HCP	P0A3D-00	Drive Motor B Inverter Over Temperature-	Stored

ENVIRONMENTAL DATA SUMMARY

DMRL | B224F-54 | Active | Door Module Internal-Missing Calibration

NAME	VALUE	UNITS
Test Failed	True	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number - All	01	
Occurrence flag	Error	
Original Odometer Value	14217	miles
Most Recent Odometer Value	14217	miles
Frequency Counter	1	
Ignition Cycle Counter	0	

DMRR | B224F-54 | Active | Door Module Internal-Missing Calibration

NAME	VALUE	UNITS
Test Failed	True	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number - All	01	
Occurrence flag	Error	
Original Odometer Value	14217	miles
Most Recent Odometer Value	14217	miles
Frequency Counter	1	
Ignition Cycle Counter	0	

HCP | POA3C-00 | Stored | Drive Motor A Inverter Over Temperature-

NAME	VALUE	UNITS
DTC	0A 3C 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	14221.8	miles
Most Recent Odometer Value	14221.8	miles
Frequency Counter	1	
Ignition Cycle Counter	0	
Real time clock	31163392	sec
RAM stamps keyOn	780	sec
RAM Stamps	197	Min
Accelerator Pedal Position	0	%
Brake Switch Status	Not Applied	
PHEV Charging Status	No Charging	
Engine Speed	1099	rpm
HV Battery SOC	91	%
Ignition State	Reserved	
PRND Position Display	P	
Propulsion System Active	True	
Vehicle Speed	0.0000	MPH
Barometric Pressure	15	PSI
Engine Coolant Temperature	136	°F
Actual Torque - Motor A	-7.282	Ft-Lbs
Available Motor Torque - Motor A	85.730	Ft-Lbs
Inverter A Input DC Current	-7.3	AMP
Electric Motor A Speed	4565.0	rpm
Motor A - Inverter Current - phase A	-28	AMP
Motor A - Inverter Current - phase B	40	AMP
Motor A - Inverter Current - phase C	-16	AMP
Motor A Phase U Short Fault - High-Side	False	
Motor A Phase U Cross Conduction Fault - High-Side	False	
Motor A Phase U Over Current Fault - High-Side	False	
Motor A Phase U Thermal Warning Fault - High-Side	False	
Motor A Phase U Thermal Shutdown Fault - High-Side	False	
Motor A Phase U Comm Error High Voltage Regulator Fault - High-Side	False	
Motor A Phase U Comm Error Low Voltage Regulator Fault - High-Side	False	
Motor A Phase U SPI Error Fault - High-Side	False	
Motor A Phase U Hardware Error Fault - High-Side	False	
Motor A Phase U Short Fault - Low-Side	False	
Motor A Phase U Cross Conduction Fault - Low-Side	False	
Motor A Phase U Over Current Fault - Low-Side	False	
Motor A Phase U Thermal Warning Fault - Low-Side	False	
Motor A Phase U Thermal Shutdown Fault - Low-Side	False	

Motor A Phase U SPI Error Fault - Low-Side	False	
Motor A Phase U Hardware Error Fault - Low-Side	False	
Motor A Phase V Short Fault - High-Side	False	
Motor A Phase V Cross Conduction Fault - High-Side	False	
Motor A Phase V Over Current Fault - High-Side	False	
Motor A Phase V Thermal Warning Fault - High-Side	False	
Motor A Phase V Thermal Shutdown Fault - High-Side	False	
Motor A Phase V Comm Error High Voltage Regulator Fault - High-Side	False	
Motor A Phase V Comm Error Low Voltage Regulator Fault - High-Side	False	
Motor A Phase V SPI Error Fault - High-Side	False	
Motor A Phase V Hardware Error Fault - High-Side	False	
Motor A Phase V Short Fault - Low-Side	False	
Motor A Phase V Cross Conduction Fault - Low-Side	False	
Motor A Phase V Over Current Fault - Low-Side	False	
Motor A Phase V Thermal Warning Fault - Low-Side	False	
Motor A Phase V Thermal Shutdown Fault - Low-Side	False	
Motor A Phase V SPI Error Fault - Low-Side	False	
Motor A Phase V Hardware Error Fault - Low-Side	False	
Motor A Phase W Short Fault - High-Side	False	
Motor A Phase W Over Current Fault - High-Side	False	
Motor A Phase W Thermal Warning Fault - High-Side	False	
Motor A Phase W Thermal Shutdown Fault - High-Side	False	
Motor A Phase W Comm Error Low Voltage Regulator Fault - High-Side	False	
Motor A Phase W SPI Error Fault - High-Side	False	
Motor A Phase W Hardware Error Fault - High-Side	False	
Motor A Phase W Short Fault - Low-Side	False	
Motor A Phase W Cross Conduction Fault - Low-Side	False	
Motor A Phase W Over Current Fault - Low-Side	False	
Motor A Phase W Thermal Warning Fault - Low-Side	False	
Motor A Phase W Thermal Shutdown Fault - Low-Side	False	
Motor A Phase W Comm Error Low Voltage Regulator Fault - Low-Side	False	
Motor A Phase W SPI Error Fault - Low-Side	False	
Motor A Phase W Hardware Error Fault - Low-Side	False	
Motor A Resolver Supply Voltage Value	15.75	Volts
Battery Feed Voltage 2 Sense	12.312	Volts
Battery Feed Voltage 3 Sense	12.168	Volts
Internal EPS Voltage Sense A	8.208	Volts
Internal EPS Voltage Sense B	8.064	Volts
Hybrid System State	Propulsion System Active	
PIM DC Link Voltage - A	394	Volts
PIM DC Link Voltage - B	393	Volts
Passive Pump Coolant Temp In Sensor	66	°F
Low Temp Active Pump Speed	0	rpm
High Temp Aux Pump - Actual Speed	0	rpm

Outside Air Temperature	62.6	°F
HV Contactor Status	Closed	
Inverter B Status Feedback	Normal On	
Battery Feed Voltage 1 Sense	12.312	Volts
Actual Torque - Motor B	-9.310	Ft-Lbs
Available Motor Torque - Motor B	232.762	Ft-Lbs
Available Regen Torque - Motor A	-85.730	Ft-Lbs
Available Regen Torque - Motor B	-232.762	Ft-Lbs
Commanded Torque - Motor A	-7.282	Ft-Lbs
Commanded Torque - Motor B	-9.126	Ft-Lbs
Motor B - Inverter Current - phase A	20	AMP
Motor B - Inverter Current - phase B	-20	AMP
Motor B - Inverter Current - phase C	-8	AMP
Motor B Resolver Angle	86	Degree
Motor B Temp Sensor	72	°F
HCP ePT Wake-Up Output	On	
CBC Wake-Up Input	Off	
EPT LOC Diag Enable	Enable LOC Diagnostic	
HV Battery Voltage from BPCM	393.40	Volts
Electric Motor B Speed	3.0	rpm
Inverter A IGBT Temperature for phase A	226	°F
Inverter A IGBT Temperature for phase B	239	°F
Inverter A IGBT Temperature for phase C	225	°F
Inverter B IGBT Temperature for phase A	226	°F
Inverter B IGBT Temperature for phase B	212	°F
Inverter B IGBT Temperature for phase C	181	°F
APM Status	Buck CV	
Impact Event	False	
HCP System Shutdown Command	Default	
Distance Travelled with Light ON	0	miles
Motor A Torque	-7.282	Ft-Lbs
Motor B Torque	-9.310	Ft-Lbs
OBCM Operating Mode	UTC	
J1772 Prox Detected State	Prox Out	
HV Battery Sleep Time	0	Days
Commanded Inverter A State	Torque Control	
Inverter Status Feedback	Normal On	
Motor A Phase U Over Voltage Fault VH - High-Side	False	
Motor A Phase U Under Voltage Fault VH - High-Side	False	
Motor A Phase U Over Voltage Fault VL - High-Side	False	
Motor A Phase U Under Voltage Fault VL - High-Side	False	
Motor A Phase U Over Voltage Fault VDD - High-Side	False	
Motor A Phase U Under Voltage Fault VDD - High-Side	False	
Motor A Phase U Over Voltage Fault VH - Low-Side	False	

Motor A Phase U Under Voltage Fault VH - Low-Side	False	
Motor A Phase U Over Voltage Fault VL - Low-Side	False	
Motor A Phase U Under Voltage Fault VL - Low-Side	False	
Motor A Phase U Over Voltage Fault VDD - Low-Side	False	
Motor A Phase U Under Voltage Fault VDD - Low-Side	False	
Motor A Phase U Comm Error High Voltage Regulator Fault - Low-Side	False	
Motor A Phase U Comm Error Low Voltage Regulator Fault - Low-Side	False	
Motor A Phase V Over Voltage Fault VH - High-Side	False	
Motor A Phase V Under Voltage Fault VH - High-Side	False	
Motor A Phase V Over Voltage Fault VL - High-Side	False	
Motor A Phase V Under Voltage Fault VL - High-Side	False	
Motor A Phase V Over Voltage Fault VDD - High-SideSide	False	
Motor A Phase V Under Voltage Fault VDD - High-Side	False	
Motor A Phase V Over Voltage Fault VH - Low-Side	False	
Motor A Phase V Under Voltage Fault VH - Low-Side	False	
Motor A Phase V Over Voltage Fault VL - Low-Side	False	
Motor A Phase V Under Voltage Fault VL - Low-Side	False	
Motor A Phase V Over Voltage Fault VDD - Low-Side	False	
Motor A Phase V Under Voltage Fault VDD - Low-Side	False	
Motor A Phase V Comm Error High Voltage Regulator Fault - Low-Side	False	
Motor A Phase V Comm Error Low Voltage Regulator Fault - Low-Side	False	
Motor A Phase W Cross Conduction Fault - High-Side	False	
Motor A Phase W Over Voltage Fault VH - High-Side	False	
Motor A Phase W Under Voltage Fault VH - High-Side	False	
Motor A Phase W Over Voltage Fault VL - High-Side	False	
Motor A Phase W Under Voltage Fault VL - High-Side	False	
Motor A Phase W Over Voltage Fault VDD - High-Side	False	
Motor A Phase W Under Voltage Fault VDD - High-Side	False	
Motor A Phase W Comm Error High Voltage Regulator Fault - High-Side	False	
Motor A Phase W Over Voltage Fault VH - Low-Side	False	
Motor A Phase W Under Voltage Fault VH - Low-Side	False	
Motor A Phase W Over Voltage Fault VL - Low-Side	False	
Motor A Phase W Under Voltage Fault VL - Low-Side	False	
Motor A Phase W Over Voltage Fault VDD - Low-Side	False	
Motor A Phase W Under Voltage Fault VDD - Low-Side	False	
Motor A Phase W Comm Error High Voltage Regulator Fault - Low-Side	False	
Inverter A Status Feedback	Normal On	
GPS Date - Year	2021	Year
GPS Date - Month	12	
GPS Date - Day	8	Days
UTC Time - Hours	14	Hours
UTC Time - Minutes	59	
UTC Time - Seconds	1	seconds
ECU Time - Milliseconds	112	ms

HCP | POA3D-00 | Stored | Drive Motor B Inverter Over Temperature-

NAME	VALUE	UNITS
DTC	0A 3D 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	14221.8	miles
Most Recent Odometer Value	14221.8	miles
Frequency Counter	1	
Ignition Cycle Counter	0	
Real time clock	31163466	sec
RAM stamps keyOn	855	sec
RAM Stamps	198	Min
Accelerator Pedal Position	0	%
Brake Switch Status	Not Applied	
PHEV Charging Status	No Charging	
Engine Speed	1098	rpm
HV Battery SOC	90	%
Ignition State	Reserved	
PRND Position Display	P	
Propulsion System Active	True	
Vehicle Speed	0.0000	MPH
Barometric Pressure	15	PSI
Engine Coolant Temperature	138	°F
Actual Torque - Motor B	-10.970	Ft-Lbs
Available Motor Torque - Motor B	232.670	Ft-Lbs
Inverter B Input DC Current	3.1	AMP
Electric Motor B Speed	3.5	rpm
Commanded Inverter B State	Torque Control	
Motor B - Inverter Current - phase A	24	AMP
Motor B - Inverter Current - phase B	-24	AMP
Motor B - Inverter Current - phase C	-8	AMP
Inverter B Status Feedback	Normal On	
Motor B Phase U Short Fault - High-Side	False	
Motor B Phase U Cross Conduction Fault - High-Side	False	
Motor B Phase U Thermal Warning Fault - High-Side	False	
Motor B Phase U Thermal Shutdown Fault - High-Side	False	
Motor B Phase U Comm Error High Voltage Regulator Fault - High-Side	False	

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

Motor B Phase W SPI Error Fault - Low-Side	False	
Motor B Phase W Hardware Error Fault - Low-Side	False	
Motor B Resolver Supply Voltage Value	15.75	Volts
Battery Feed Voltage 2 Sense	12.312	Volts
Internal EPS Voltage Sense A	8.208	Volts
Internal EPS Voltage Sense B	8.064	Volts
Battery Feed Voltage 1 Sense	12.312	Volts
Battery Feed Voltage 3 Sense	12.168	Volts
Hybrid System State	Propulsion System Active	
Actual Torque - Motor A	-8.757	Ft-Lbs
Available Motor Torque - Motor A	85.730	Ft-Lbs
Available Regen Torque - Motor A	-85.730	Ft-Lbs
Available Regen Torque - Motor B	-232.670	Ft-Lbs
Commanded Torque - Motor A	-8.757	Ft-Lbs
Commanded Torque - Motor B	-10.970	Ft-Lbs
Motor A - Inverter Current - phase A	-8	AMP
Motor A - Inverter Current - phase B	-44	AMP
Motor A - Inverter Current - phase C	44	AMP
Motor A Resolver Angle	22	Degree
Motor A Temp Sensor	84	°F
Outside Air Temperature	62.6	°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	392.80	Volts
Electric Motor A Speed	4564.5	rpm
PIM DC Link Voltage - A	393	Volts
PIM DC Link Voltage - B	392	Volts
Inverter A IGBT Temperature for phase A	239	°F
Inverter A IGBT Temperature for phase B	252	°F
Inverter A IGBT Temperature for phase C	237	°F
Inverter B IGBT Temperature for phase A	239	°F
Inverter B IGBT Temperature for phase B	225	°F
Inverter B IGBT Temperature for phase C	194	°F
APM Status	Buck CV	
Impact Event	False	
HCP System Shutdown Command	Default	
Distance Travelled with Light ON	0	miles
Motor A Torque	-8.757	Ft-Lbs
Motor B Torque	-10.970	Ft-Lbs
OBCM Operating Mode	UTC	
J1772 Prox Detected State	Prox Out	
HV Battery Sleep Time	0	Days

Motor B Phase U Over Current Fault - High-Side	False	
Motor B Phase U Over Voltage Fault VH - High-Side	False	
Motor B Phase U Under Voltage Fault VH - High-Side	False	
Motor B Phase U Over Voltage Fault VL - High-Side	False	
Motor B Phase U Under Voltage Fault VL - High-Side	False	
Motor B Phase U Over Voltage Fault VDD - High-Side	False	
Motor B Phase U Under Voltage Fault VDD - High-Side	False	
Motor B Phase U Comm Error Low Voltage Regulator Fault - High-Side	False	
Motor B Phase U Over Voltage Fault VH - Low-Side	False	
Motor B Phase U Under Voltage Fault VH - Low-Side	False	
Motor B Phase U Over Voltage Fault VL - Low-Side	False	
Motor B Phase U Under Voltage Fault VL - Low-Side	False	
Motor B Phase U Over Voltage Fault VDD - Low-Side	False	
Motor B Phase U Under Voltage Fault VDD - Low-Side	False	
Motor B Phase V Over Voltage Fault VH - High-Side	False	
Motor B Phase V Under Voltage Fault VH - High-Side	False	
Motor B Phase V Over Voltage Fault VL - High-Side	False	
Motor B Phase V Under Voltage Fault VL - High-Side	False	
Motor B Phase V Over Voltage Fault VDD - High-Side	False	
Motor B Phase V Under Voltage Fault VDD - High-Side	False	
Motor B Phase V Over Voltage Fault VH - Low-Side	False	
Motor B Phase V Under Voltage Fault VH - Low-Side	False	
Motor B Phase V Over Voltage Fault VL - Low-Side	False	
Motor B Phase V Under Voltage Fault VL - Low-Side	False	
Motor B Phase V Over Voltage Fault VDD - Low-Side	False	
Motor B Phase V Under Voltage Fault VDD - Low-Side	False	
Motor B Phase W Over Voltage Fault VH - High-Side	False	
Motor B Phase W Under Voltage Fault VH - High-Side	False	
Motor B Phase W Over Voltage Fault VL - High-Side	False	
Motor B Phase W Under Voltage Fault VL - High-Side	False	
Motor B Phase W Over Voltage Fault VDD - High-Side	False	
Motor B Phase W Under Voltage Fault VDD - High-Side	False	
Motor B Phase W Thermal Shutdown Fault - High-Side	False	
Motor B Phase W Over Voltage Fault VH - Low-Side	False	
Motor B Phase W Under Voltage Fault VH - Low-Side	False	
Motor B Phase W Over Voltage Fault VL - Low-Side	False	
Motor B Phase W Under Voltage Fault VL - Low-Side	False	
Motor B Phase W Over Voltage Fault VDD - Low-Side	False	
Motor B Phase W Under Voltage Fault VDD - Low-Side	False	
GPS Date - Year	2021	Year
GPS Date - Month	12	
GPS Date - Day	8	Days
UTC Time - Hours	15	Hours
UTC Time - Minutes	1	

UTC Time - Seconds	0	seconds
ECU Time - Milliseconds	731	ms

SNAPSHOT DATA SUMMARY

No Snapshot Data available for B224F-54

No Snapshot Data available for B224F-54

No Snapshot Data available for P0A3C-00

No Snapshot Data available for P0A3D-00

VEHICLE

 Selection

 Action Items

 ECU List

ACTIVITIES

 Guided Diagnostics

 Vehicle Preparations

 Customer Preferences

UTILITIES

 Flight Recording Viewer

 Custom Display

 Flight Recording

ANALYSIS

 Reports

 OBDII Monitors

 Inhibit Monitors

 Loss of Comm Test

HV Coolant Heater - Short or Open Circuit at IGBTs

False

HV Coolant Heater Status

Off

HVIL Sense Input Duty Cycle

53.0

HVIL Sense Input Frequency

88.0

HVIL Sense Input State

Detected

HVIL Sense Output Duty Cycle

53.0

HVIL Sense Output Frequency

88.0

HVIL Sense Output State

Detected

Heater Core Coolant Temp Sensor

129

High Temp Aux Pump - Actual Speed

4200

High Temp Aux Pump - Current

1.4

High Temp Aux Pump - Deblocking

Deblocking

High Temp Aux Pump - Dry Run

No Dry Run

High Temp Aux Pump - Fail Safe

Fail Safe A

High Temp Aux Pump - Limp Home

True

wiTECH2		S13690D		Create JIRA			
HV Coolant Heater - Memory Error	False	Sensors					
HV Coolant Heater - Overheat Protection	False	Sensors					
HV Coolant Heater - Response Error	No error	Sensors					
HV Coolant Heater - Short or Open Circuit at IGBTs	False	Sensors					
HV Coolant Heater Status	Off	Sensors					
HVIL Sense Input Duty Cycle	53.5	%	Sensors				
HVIL Sense Input Frequency	88.0	Hz	Sensors				
HVIL Sense Input State	Detected	Sensors					
HVIL Sense Output Duty Cycle	53.5	%	Sensors				
HVIL Sense Output Frequency	88.0	Hz	Sensors				
HVIL Sense Output State	Detected	Sensors					
Main HV Contactor Command	Close	Sensors					
Motor A HV DC Bus Voltage Value	386	Volts	Sensors				
Motor B HV DC Bus Voltage Value	385	Volts	Sensors				
Regen event with current to the HV battery	False	Sensors					
Regen event with current to the HV battery > threshold value	False	Sensors					