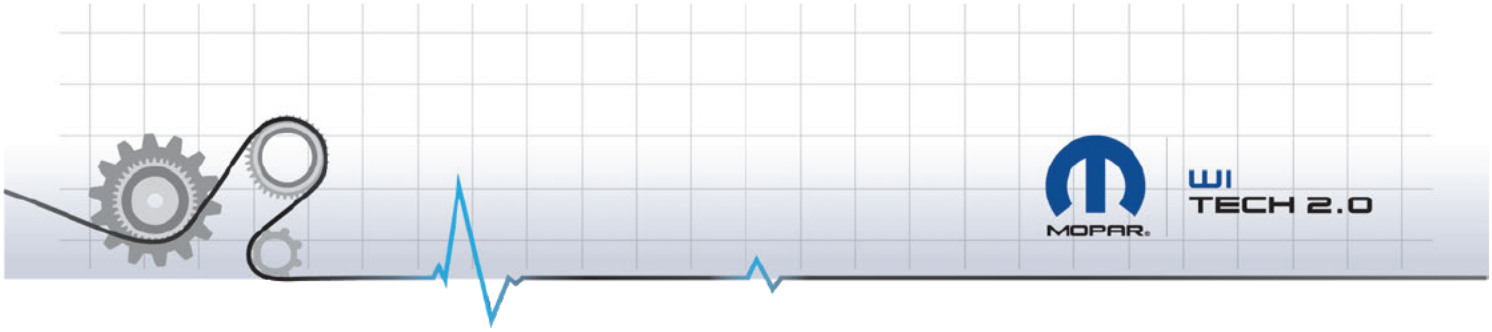
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VEHICLE SCAN REPORT

Vehicle 2021 CHRYSLER PACIFICA (PHEV) 3.6L V6 HYBRID ENGINE
VIN 2C4RC1S72[redacted]

Odometer 407.4 miles
Publication Date Apr 6, 2021, 1:10:04 PM

ECU SUMMARY INFO

ECU	NAME	BUS TYPE	FLASH PART #	CURRENT V[redacted]	ORIGINAL V[redacted]	PART #
PCM	Powertrain Control Module	CAN-C	68499122AD	2C4RC1S72	2C4RC1S72	68499122AD
PLGM	Power Liftgate	CAN-I	68466171AF	2C4RC1S72	—	68466171AF
ICS	Integrated Center Stack	CAN-I	7AS341X8AA	2C4RC1S72	2C4RC1S72	7AS341X8AA
RFH	Radio Frequency Hub	CAN-C	68500152AA	2C4RC1S72	2C4RC1S72	68500152AA
ESM	Electronic Shifter	CAN-C	68240089AM	2C4RC1S72	2C4RC1S72	68240089AM
ORC	Occupant Restraint	CAN-C	68480710AC	2C4RC1S72	2C4RC1S72	68480710AC
EPS	Electric Power Steering	CAN-C	68460392AA	2C4RC1S72	2C4RC1S72	68460392AA
HVAC	Heat, Ventilation and A/C	CAN-I	68493454AE	2C4RC1S72	2C4RC1S72	68493454AE
DDM	Driver Door Module	CAN-I	68496461AB	2C4RC1S72	2C4RC1S72	68496461AB
PDM	Passenger Door Module	CAN-I	68496460AB	2C4RC1S72	2C4RC1S72	68496460AB
DMRL	Door Module Rear Left	CAN-I	68508894AB	2C4RC1S72	2C4RC1S72	68508894AB
DMRR	Door Module Rear Right	CAN-I	68508894AB	2C4RC1S72	2C4RC1S72	68508894AB
PSDML	Power Sliding Doors (Left)	CAN-I	68369596AD	2C4RC1S72	2C4RC1S72	68369596AD
PSDMR	Power Sliding Doors (Right)	CAN-I	68369596AD	2C4RC1S72	2C4RC1S72	68369596AD
MSM	Memory Seat Module	CAN-I	68321862AC	2C4RC1S72	2C4RC1S72	68321862AC
CSWM	Comfort Seat Wheel Module	CAN-I	68517013AB	2C4RC1S72	2C4RC1S72	68517013AB
AMP	Amplifier	CAN-I	68448067AA	2C4RC1S72	2C4RC1S72	68448067AA
IPC	Instrument Panel Cluster	CAN-C	68434960AE	2C4RC1S72	2C4RC1S72	68434960AE
PTS	Parktronics	CAN-C				
SCCM	Steering Column Control Module	CAN-C	68360889AD	2C4RC1S72	2C4RC1S72	68360889AD
BCM	Body Controller	CAN-C	68491085AG	2C4RC1S72	2C4RC1S72	68491085AG

ACC	Adaptive Cruise Control	CAN-C				
RADIO	Radio	CAN-I	68465292AC	2C4RC1S7	2C4RC1S72	68465292AC
OCM	Occupant Classification	CAN-C				
HVACR	Heat, Ventilation and A/C Rear	CAN-I	68373079AB	2C4RC1S7	2C4RC1S72	68373079AB
LBSS	Left Blind Spot Sensor	CAN-I	04672786AB	2C4RC1S7	2C4RC1S72	04672786AB
RBSS	Right Blind Spot Sensor	CAN-I	04672786AB	2C4RC1S7	2C4RC1S72	04672786AB
FFCM	Forward Facing Camera Module	CAN-C				
EDM	External Disc Module	CAN-I	68499745AA	2C4RC1S7	2C4RC1S72	68499745AA
APM	Accessory Power Module	CAN-C	05185046AB	2C4RC1S7	2C4RC1S72	05185046AB
BPCM	Battery Pack Control Module	CAN-C	05193183AE	2C4RC1S7	2C4RC1S72	05193183AE
HCP	Hybrid Control Processor	CAN-C	05185116AF	2C4RC1S7	2C4RC1S72	05185116AF
OBCM	On Board Charging Module	CAN-C	05185047AE	2C4RC1S7	2C4RC1S72	05185047AE
MSMP	Memory Seat Module - Passenger	CAN-I	68321862AC	2C4RC1S7	2C4RC1S72	68321862AC
DSM	Display Screen Module	CAN-I	68437339AD	2C4RC1S7	2C4RC1S72	68437339AD
VRM	Video Routing Module	CAN-I	68493702AA	2C4RC1S7	2C4RC1S72	68493702AA
RCCC	Rear Cabin Comfort Controls	CAN-I	6WL30PD2AA	2C4RC1S7	2C4RC1S72	6WL30PD2AA
CVPM	Central vision processing module	CAN-I	56029920AB	2C4RC1S7	2C4RC1S72	56029920AB
EAC	Electric A/C Compressor	CAN-C	68237995AG	2C4RC1S7	2C4RC1S72	68237995AG
AHCP	Auxiliary Hybrid Control Processor	CAN-C	05185117AF	2C4RC1S7	2C4RC1S72	05185117AF
EBBM	Electronic Brake Booster Module	CAN-C	68461813AB	2C4RC1S7	2C4RC1S72	68461813AB
ABSO	Anti Lock Brakes OBD	CAN-C	68471122AD	2C4RC1S7	2C4RC1S72	68471122AD
SGW	Security Gateway Module	CAN-C	68488429AB		2C4RC1S72	68488429AB
TBM2	Telematic Box Module 2	CAN-C	68546266AB	2C4RC1S7	2C4RC1S72	68546266AB

ECU SUMMARY INFO (CONT...)

ECU	COUNTRY CODE	HARDWARE VERSION	SOFTWARE VERSION	IDENT	CVNS
PCM	USA	1B 47	75 00 01	4422	941DFC50
PLGM	USA	0	5269	000200000031	
ICS	USA	0F 0C 00	13 31 01	4700	
RFH	USA / USA	10 17 00	13 26 00	4A00	

ESM	USA / USA	0F 24 00	12 28 FF	4402	
ORC	USA / USA	12 1A 00	13 2E 00	4301	
EPS	USA / USA	12 2A 00	12 1E 01	4502	
HVAC	USA	0E 09 00	14 2F 01	4401	
DDM	USA	11 07 00	14 07 00	4202	
PDM	USA	11 07 00	14 07 00	4202	
DMRL	USA / USA	10 0B 00	14 08 00	4201	
DMRR	USA / USA	10 0B 00	14 08 00	4201	
PSDML	USA / USA	10 17 00	14 10 12	4001	
PSDMR	USA / USA	10 17 00	14 10 12	4001	
MSM	USA	0F 2B 00	10 27 03	4101	
CSWM	USA	11 2A 00	14 25 00	4302	
AMP	USA	0F 06 01	12 2E 01	4021	
IPC	USA / USA	12 06 00	14 2B 00	4705	
PTS					
SCCM	USA	13 28 00	13 29 00	4301	
BCM	USA	0D 11 00	14 26 90	4420	
ACC					
RADIO		65	5175	000200000008	
OCM					
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					
EDM	USA	12 0A 00	11 08 00	4000	
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	FE120BB2 29C5A4AB 050DC953
OBCM	USA	0F 0D 00	12 02 00	4002	
MSMP	USA	0F 2B 00	10 27 03	4001	
DSM	USA / USA	14 0C 00	14 28 00	4300	
VRM	USA / USA	0F 1C 00	14 1E 14	4001	
RCCC	USA	0F 1D 00	13 04 00	4000	
CVPM	USA / USA	11 27 01	14 0C 01	4004	
EAC	USA	0E 34 00	12 0F 00	4102	
AHCP	USA	11 1F 04	0F 2D 00	4000	
EBBM	USA	0E 19 02	14 0D 18	4000	E5898FA5
ABSO	USA	0E 15 02	14 1B 26	4201	4F158D1B
SGW		5	969	4103	
TBM2	USA	13 0E 02	14 2A 5C	4104	

DTC SUMMARY

ECU	DTC CODE	DTC DESCRIPTION	STATUS

PCM	P06E4	Control Module Wake-up Circuit Performance	Stored
PCM	B2101	Ignition Run/Start Input Circuit Low	Stored
RFH	U0100-00	Lost Communication With ECM/PCM "A"-	Stored
ORC	B212C-13	Ignition Run/Start Input-Circuit Open	Active
ORC	U0154-00	Lost Communication With Occupant Classification Module-	Active
EPS	U0100-00	Lost Communication With ECM/PCM "A"-	Active
EPS	U0159-00	Lost Communication With Parking Assist Control Module-	Active
EPS	U1215-00	Lost Communication with Forward Facing Camera-	Active
HVAC	U0422-00	Implausible Data Received From Body Control Module-	Stored
IPC	U0100-00	Lost Communication With ECM/PCM "A"-	Stored
IPC	U1215-00	Lost Communication with Forward Facing Camera-	Active
IPC	U1216-00	Lost Communication with Driver Assistance System Module-	Active
IPC	U0159-00	Lost Communication With Parking Assist Control Module-	Active
BCM	U1216-00	Lost Communication with Driver Assistance System Module-	Active
BCM	U0100-00	Lost Communication With ECM/PCM "A"-	Stored
BCM	U0159-00	Lost Communication With Parking Assist Control Module-	Active
BCM	U1215-00	Lost Communication with Forward Facing Camera-	Active
LBSS	U0140-00	Lost Communication With Body Control Module-	Active
RBSS	U0140-00	Lost Communication With Body Control Module-	Active
BPCM	U0100-00	Lost Communication With ECM/PCM "A"-	Active
HCP	P0513-00	Invalid SKIM Key-	Active
HCP	U0100-00	Lost Communication With ECM/PCM "A"-	Active
HCP	U1818-00	Lost Communication With ECM/PCM on D-PT CAN-	Active
DSM	U0140-00	Lost Communication With Body Control Module-	Stored
VRM	U0422-00	Implausible Data Received From Body Control Module-	Stored
EBBM	C211B-00	Ignition Run/Start Input-	Active
ABSO	C211B-00	Ignition Run/Start Input-	Active
TBM2	U0452-64	Implausible Data Received From Restraints Control Module-Signal Plausibility Failure	Active

ENVIRONMENTAL DATA SUMMARY

PCM | P06E4 | Stored | Control Module Wake-up Circuit Performance

NAME	VALUE	UNITS
DTC	06 E4	
DTC Storage State	Stored	
DTC Readiness Flag	Not Complete	
Warning Indicator Request State	On	
Number of DTC	1	
Key Cycles Since DTC Last Set Counter	1	
Odometer	413.6	miles
Ignition Key Cycles	0	
Accumulation Timer	4	minutes
Warm Up Cycles	0	
Good Trip Counter	1	
Starts Since Set Counter	0	

PCM | B2101 | Stored | Ignition Run/Start Input Circuit Low

NAME	VALUE	UNITS
DTC Readiness Flag	Not Complete	
DTC	A1 01	
DTC Storage State	Stored	
Warning Indicator Request State	Off	
Number of DTC	1	
Accumulation Timer	17	minutes
Odometer	413.6	miles
Ignition Key Cycles	0	
Starts Since Set Counter	0	
Key Cycles Since DTC Last Set Counter	1	
Good Trip Counter	0	
Warm Up Cycles	0	

RFH | U0100-00 | Stored | Lost Communication With ECM/PCM "A"-

NAME	VALUE	UNITS
Test Failed	False	
Test Failed This Operation Cycle	True	
Pending DTC	False	
Confirmed DTC	True	
Warning Indicator Requested	False	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	False	
Test Not Completed This Operation Cycle	False	
DTC Extended Data Record Number - All	01	
Occurrence flag	Error	
Frequency Counter	1	
Original Odometer Value	398	miles
Most Recent Odometer Value	398	miles
Ignition Cycle Counter	1	

ORC | B212C-13 | Active | Ignition Run/Start Input-Circuit Open

NAME	VALUE	UNITS
Test Failed	True	
Pending DTC	False	
Test Failed This Operation Cycle	True	
Test Failed Since Last Clear	True	
Test Not Completed Since Last Clear	False	
Confirmed DTC	True	
Test Not Completed This Operation Cycle	False	
Occurrence flag	Error	
Warning Indicator Requested	True	

DTC Extended Data Record Number - All	FF	
Most Recent Odometer Value	398	miles
Original Odometer Value	398	miles
Operation Cycle Counter	Operation Cycle Counter not available / Default	
Frequency Counter	1	

ORC | U0154-00 | Active | Lost Communication With Occupant Classification Module-

NAME	VALUE	UNITS
Pending DTC	False	
Test Failed This Operation Cycle	True	
Confirmed DTC	True	
Test Failed	True	
Test Failed Since Last Clear	True	
Test Not Completed Since Last Clear	False	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	True	
Occurrence flag	Error	
DTC Extended Data Record Number - All	FF	
Most Recent Odometer Value	398	miles
Frequency Counter	1	
Operation Cycle Counter	Operation Cycle Counter not available / Default	
Original Odometer Value	398	miles

EPS | U0100-00 | Active | Lost Communication With ECM/PCM "A"-

NAME	VALUE	UNITS
DTC	C1 00 00	
Test Failed	False	
Pending DTC	True	
Test Failed This Operation Cycle	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	Error	
Supplier Internal Fault Code	01 29 01	
Original Odometer Value	398	miles
Most Recent Odometer Value	398	miles
Frequency Counter	101	
Ignition Cycle Counter	1	
EPS Internal Filtered Vehicle Speed	0.000	MPH
EPS Internal Steering Wheel Angle (Sign convention is positive angle towards left steering lock)	5.67	Deg
EPS Steering Wheel Velocity	-0.00	deg/s
EPS System Current Draw	0	A

EPS Measured Module Voltage	12.32	V
EPS Steering Wheel Torque	0.2017	Ft-Lbs
EPS Measured Module Temperature	99.6	°F
CAN Battery Voltage	12.3	Volts

EPS | U0159-00 | Active | Lost Communication With Parking Assist Control Module-

NAME	VALUE	UNITS
DTC	C1 59 00	
Test Failed This Operation Cycle	True	
Test Failed	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	
Occurrence flag	Error	
Warning Indicator Requested	False	
Supplier Internal Fault Code	01 99 01	
Original Odometer Value	398	miles
Most Recent Odometer Value	398	miles
Frequency Counter	1	
EPS Internal Filtered Vehicle Speed	0.000	MPH
Ignition Cycle Counter	0	
EPS Internal Steering Wheel Angle (Sign convention is positive angle towards left steering lock)	5.76	Deg
EPS System Current Draw	0	A
EPS Steering Wheel Velocity	-0.04	deg/s
EPS Measured Module Voltage	13.90	V
EPS Steering Wheel Torque	0.1325	Ft-Lbs
EPS Measured Module Temperature	100.6	°F
CAN Battery Voltage	14.5	Volts

EPS | U1215-00 | Active | Lost Communication with Forward Facing Camera-

NAME	VALUE	UNITS
DTC	D2 15 00	
Test Failed	True	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
Occurrence flag	Error	
Supplier Internal Fault Code	01 91 01	

Frequency Counter	1	
Original Odometer Value	398	miles
Most Recent Odometer Value	398	miles
EPS Internal Filtered Vehicle Speed	0.000	MPH
Ignition Cycle Counter	0	
EPS Internal Steering Wheel Angle (Sign convention is positive angle towards left steering lock)	5.76	Deg
EPS Steering Wheel Velocity	-0.00	deg/s
EPS System Current Draw	0	A
EPS Measured Module Voltage	14.42	V
EPS Steering Wheel Torque	0.1383	Ft-Lbs
EPS Measured Module Temperature	100.6	°F
CAN Battery Voltage	14.5	Volts

HVAC | U0422-00 | Stored | Implausible Data Received From Body Control Module-

NAME	VALUE	UNITS
Test Failed This Operation Cycle	True	
Test Failed	False	
Confirmed DTC	True	
Pending DTC	False	
Test Not Completed Since Last Clear	False	
Warning Indicator Requested	False	
Test Not Completed This Operation Cycle	False	
Occurrence flag	Error	
Test Failed Since Last Clear	True	
Ignition Cycle Counter	1	
Most Recent Odometer Value	398	miles
Original Odometer Value	398	miles
Frequency Counter	1	

IPC | U0100-00 | Stored | Lost Communication With ECM/PCM "A"-

NAME	VALUE	UNITS
Test Failed	False	
Test Failed This Operation Cycle	True	
Pending DTC	False	
Test Not Completed Since Last Clear	False	
Confirmed DTC	True	
Test Not Completed This Operation Cycle	False	
Test Failed Since Last Clear	True	
Warning Indicator Requested	False	
DTC Extended Data Record Number - All	FF	
Occurrence flag	Occurrence	
Original Odometer Value	398	miles
Frequency Counter	1	
Most Recent Odometer Value	398	miles

Ignition Cycle Counter	0	

IPC | U1215-00 | Active | Lost Communication with Forward Facing Camera-

NAME	VALUE	UNITS
Test Failed	True	
Test Failed This Operation Cycle	True	
Pending DTC	False	
Test Not Completed Since Last Clear	False	
Confirmed DTC	True	
Test Failed Since Last Clear	True	
Warning Indicator Requested	False	
Test Not Completed This Operation Cycle	False	
DTC Extended Data Record Number - All	FF	
Occurrence flag	Error	
Most Recent Odometer Value	398	miles
Original Odometer Value	398	miles
Frequency Counter	1	
Ignition Cycle Counter	0	

IPC | U1216-00 | Active | Lost Communication with Driver Assistance System Module-

NAME	VALUE	UNITS
Test Failed	True	
Test Failed This Operation Cycle	True	
Pending DTC	False	
Confirmed DTC	True	
Test Failed Since Last Clear	True	
Test Not Completed Since Last Clear	False	
Warning Indicator Requested	False	
Test Not Completed This Operation Cycle	False	
DTC Extended Data Record Number - All	FF	
Occurrence flag	Error	
Original Odometer Value	398	miles
Most Recent Odometer Value	398	miles
Frequency Counter	1	
Ignition Cycle Counter	0	

IPC | U0159-00 | Active | Lost Communication With Parking Assist Control Module-

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

Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number - All	FF	
Occurrence flag	Error	
Original Odometer Value	398	miles
Most Recent Odometer Value	398	miles
Frequency Counter	1	
Ignition Cycle Counter	0	

BCM | U1216-00 | Active | Lost Communication with Driver Assistance System Module-

NAME	VALUE	UNITS
Test Failed	True	
Test Failed This Operation Cycle	True	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number - All	01	
Occurrence flag	Error	
Original Odometer Value	398	miles
Frequency Counter	1	
Ignition Cycle Counter	0	
Most Recent Odometer Value	398	miles

BCM | U0100-00 | Stored | Lost Communication With ECM/PCM "A"-

NAME	VALUE	UNITS
Test Failed	False	
Test Failed This Operation Cycle	True	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number - All	01	
Occurrence flag	Error	
Original Odometer Value	398	miles
Most Recent Odometer Value	398	miles
Frequency Counter	1	
Ignition Cycle Counter	1	

BCM | U0159-00 | Active | Lost Communication With Parking Assist Control Module-

NAME	VALUE	UNITS
Test Failed	True	
Test Failed This Operation Cycle	True	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number - All	01	
Occurrence flag	Error	
Original Odometer Value	398	miles
Most Recent Odometer Value	398	miles
Frequency Counter	1	
Ignition Cycle Counter	0	

BCM | U1215-00 | Active | Lost Communication with Forward Facing Camera-

NAME	VALUE	UNITS
Test Failed	True	
Test Failed This Operation Cycle	True	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Not Completed This Operation Cycle	False	
Test Failed Since Last Clear	True	
Warning Indicator Requested	False	
DTC Extended Data Record Number - All	01	
Occurrence flag	Error	
Original Odometer Value	398	miles
Frequency Counter	1	
Ignition Cycle Counter	0	
Most Recent Odometer Value	398	miles

LBSS | U0140-00 | Active | Lost Communication With Body Control Module-

NAME	VALUE	UNITS
Test Failed	False	
Test Failed This Operation Cycle	True	
Test Not Completed Since Last Clear	False	
Pending DTC	True	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Confirmed DTC	True	
DTC Extended Data Record Number - All	01	
Warning Indicator Requested	False	

Occurrence flag	Occurrence	
Most Recent Odometer Value	398	miles
Original Odometer Value	398	miles
Operation Cycle Counter	1	
Frequency Counter	101	

RBSS | U0140-00 | Active | Lost Communication With Body Control Module-

NAME	VALUE	UNITS
Test Failed	False	
Pending DTC	True	
DTC	C1 40 00	
Confirmed DTC	True	
Test Failed This Operation Cycle	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Occurrence flag	Occurrence	
Test Not Completed This Operation Cycle	False	
DTC Extended Data Record Number - All	01	
Warning Indicator Requested	False	
DTC Extended Data Record Number - Record #2	02	
Vehicle Config Stat	OK	
Vehicle Line	Correct	
BSS Current Operating Mode	BSM	
Model Year	Correct	
BSS Desired Operating Mode	Init	
Country Code	Correct	
Most Recent Odometer Value	398	miles
Operation Cycle Counter	1	
Frequency Counter	101	
Original Odometer Value	398	miles

BPCM | U0100-00 | Active | Lost Communication With ECM/PCM "A"-

NAME	VALUE	UNITS
Key in Ignition	Key_Def	
EPT -WakeUp	Sourced	
Key Position	Ign_ Run	
HCP Contactor Command	Open	
Qualified Contactor Command - QCC	Open	
Verified Contactor Command - VCC	Open	
Contactor Status	Open	
Plug in Status	Not plugged in	
ChargingLevel	Plug in, but no charge	
Battery in Periodic wake up (Just battery) at time of Fault	False	
Battery in Periodic wake up (Wake up vehicle) at time of Fault	False	

Balance Mode	False	
HVIL Status -Vehicle	PASS	
HVIL Status - Battery pack	PASS	
Pump - Wire Open\Short to Gnd	PASS	
Pump - Overcurrent	PASS	
Pump - Dry Run Detection	PASS	
Pump - Switch Power Shorted	PASS	
Pump - Overtemperature	PASS	
Fault trigger level 3	False	
Fault trigger level 2	False	
Fault trigger level 1	False	
Key - DriveRdy (CAN)	True	
Fault Path	01	
Battery Cell Highest Cell number	90	
Battery Cell Lowest Cell number	40	
Battery Temperature Number of Failing Sensors	00	
Battery Temperature Lowest Sensor number	11	
HV Cooling Pump Relay Drive	Not Sourced	
Battery Temperature Highest Sensor number	06	
Isolation Battery Diagnostic Status	Run and Passed	
Pump - Battery Coolant Level Low	False	
Isolation Vehicle Diagnostic Status	Run and Passed	
BPCM Sec Asic Reset Req	Not Active	
BPCM Sec Asic Fault Input	Not Active	
BPCM L2 ASIC Diagnostic Flt Rsn	ADCTest	
BPCM L2 CC Path Test Req	Undetermined	
BPCM L2 Contactor Dslb Req	Undetermined	
BPCM L2 General Monitoring Flt Rsn	L2L1_CELL_MAX_V_CMP_FLT	
BPCM Sec CC Path Test Active	Not Active	
BPCM Main HW Timer Status	Not Active	
BPCM Sec Asic Fault State	NOTASSERTED	
BPCM Sec HW Timer Status	Not Active	
BPCM Sec Contactor State	Open	
DTC	C1 00 00	
Pending DTC	True	
Test Failed	True	
Test Failed This Operation Cycle	True	
Real Time Clock Validity	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Occurrence flag	Error	
DTC Extended Data Record Number - All	01	

Warning Indicator Requested	False	
DTC Extended Data Record Number - 2	A6	
Frequency Counter	1	
FoM - for this DTC (lifetime fails)	18	events
Ignition Cycle Counter	0	
FoM - for this DTC (lifetime fails counts on pass)	0.0000	seconds
System (12) Volts at time of fault	13.479	Volts
Vehicle mileage at time of fault (ODO signal in $3D2)	407.31	miles
FoM - for this DTC (lifetime longest fail on pass)	0.000	seconds
Battery Lifetime Miles	6670B0	miles
SOC at time of Fault	23.5	%
Vehicle Speed	0.0	MPH
Battery Total Time Awake	10593427	seconds
Battery Lifetime AmpHrs of Charge	329.3	AHr
HVIL PWM Duty Cycle - Vehicle	50.2	%
Power Up SOC at time of Fault	23.1	%
Battery Lifetime AmpHrs of DisCharge	333.0	AHr
HV Battery Current HVBatCrnt	0.00	Amps
HVIL Source Voltage- Battery	1.377	Volts
HVIL PWM peak voltage Sensed - Vehicle	12.141	Volts
HVIL PWM Frequency - Vehicle	87.9	Hz
HVIL PWM peak voltage Sourced - Vehicle	12.223	Volts
HV Cooling Speed Pump 1 Target	0	rpm
HVIL Returned current - Battery	30.60	mA
HV Battery Current Sensor 1 Hall High	-2.30	Amps
Charge indicator Temp	91	°F
BPCM temperature min	75	°F
BPCM temperature max	77	°F
Isolation Circuitry Va	2.497	Volts
WC and CircuitryISO 8V Reference Voltage	7.983	Volts
HV Battery Current Sensor 2 Hall Low	-0.05	Amps
Cycles left to self heal	40	No Unit
HV Cooling Speed pump 1 Speed	0	rpm
WC and Circuitry Vcc Voltage	5.012	Volts
Isolation Circuitry Vb	2.501	Volts
Battery Lifetime Number Of Closes	264	
HV Battery Discharge Power 10sec	87126	watts
Isolation Circuitry Vd	0.000	Volts
WC and Circuitry 2.5V Reference Voltage	2.501	Volts
HV Battery Charge Power 2sec	95145	watts
WC and Circuitry Weld Contactor Sensor G (Pack Negative) Voltage	-1.8	Volts
HV Battery Charge Power 10sec	89697	watts
Cell Impedance Mim Discharge	0	mOhms
Battery Cell Voltage Maximum	3560	mV

Battery Full AmpHr Capacity	50	AmpHrs
HV Battery Power	007530	watts
HV Battery Discharge Power 2sec	90420	watts
HV Sensor A Pack Voltage	341.50	Volts
Battery Cell Voltage Average	3557	mV
Cell Impedance Max Discharge	0	mOhms
Battery Cell Voltage Minimum	3554	mV
HV Sensor C OBCM (HVOBC Fuse) Voltage	0.80	Volts
HV Sensor D Heater (HVHTR Fuse) Voltage	0.70	Volts
HV Battery Voltage (Module Sum)	340.50	Volts
HV Battery Voltage (cell sum)	341.50	Volts
HV Sensor G Weld Contactor(Pack Negative) Voltage	-1.8	Volts
Battery Temperature Average Module	75	°F
HV Sensor B Bus\Link (Pre-Fuse) Voltage	1.40	Volts
Battery Temperature Maximum Module	77	°F
HV Bat SOH-R	18.4	%
HV Cooling Battery coolant outlet temp	82	°F
Battery Temperature Minimum Module	75	°F
HV Cooling Battery coolant inlet temp	81	°F
BPCM Sec QA Error Counter	0	cnts
Isolation Battery Impedance	0.8480	Mega Ohms
Isolation Vehicle Impedance	7.1255	Mega Ohms
HV Cooling OBCM temp inlet Temp	147	°F
HV Bat SOH-C	96.9	%
BPCM L2 SM Hw Reset Error Counter	0	No Unit
Engine Speed	0	rpm
BPCM Sec MM Hw Reset Error Counter	0	cnts
Real time clock-OS Task Delay Timer	0	
Most Recent Odometer Value	398	miles
Real time clock	429496.7295	seconds
Accelerator position	7.8	%
Original Odometer Value	398	miles

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

NAME	VALUE	UNITS
DTC	05 13 00	
Test Failed	True	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed This Operation Cycle	True	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	

Occurrence flag	Occurrence	
Brake Switch Status	Not Applied	
Ignition State	Reserved	
Propulsion System Active	False	
PRND Position Display	P	
HCP ePT Wake-Up Output	On	
CBC Wake-Up Input	Off	
HCP System Shutdown Command	Default	
HCP SW Version	21B	
HV Contactor Status	Open	
SW Build Release Version	PIM_21B_2007B0_RU_HCP___	
APM Status	Idle	
EPT LOC Diag Enable	Enable LOC Diagnostic	
Impact Event	False	
OBCM Operating Mode	UTC	
J1772 Prox Detected State	Prox Out	
Hybrid System State	SNA	
PHEV Charging Status	No Charging	
Original Odometer Value	407.4	miles
Most Recent Odometer Value	407.4	miles
Frequency Counter	1	
RAM stamps keyOn	1650	sec
Ignition Cycle Counter	0	
Real time clock	10593572	sec
Accelerator Pedal Position	0	%
RAM Stamps	5374	Min
HV Battery SOC	24	%
Engine Speed	0	rpm
Vehicle Speed	0.0000	MPH
Motor A Temp Sensor	149	°F
Internal EPS Voltage Sense B	0.000	Volts
Barometric Pressure	15	PSI
Internal EPS Voltage Sense A	0.000	Volts
Motor A Torque	0.000	Ft-Lbs
Motor B Temp Sensor	151	°F
Motor B Torque	0.000	Ft-Lbs
Engine Coolant Temperature	176	°F
Available Motor Torque - Motor A	87.205	Ft-Lbs
Actual Torque - Motor B	0.000	Ft-Lbs
Actual Torque - Motor A	0.000	Ft-Lbs
Available Motor Torque - Motor B	232.301	Ft-Lbs
Available Regen Torque - Motor A	-87.205	Ft-Lbs
Commanded Torque - Motor A	0.000	Ft-Lbs
Commanded Torque - Motor B	0.000	Ft-Lbs

Motor A - Inverter Current - phase B	-4	AMP
Motor A - Inverter Current - phase C	0	AMP
Motor A - Inverter Current - phase A	-4	AMP
Motor B - Inverter Current - phase A	-4	AMP
Motor B - Inverter Current - phase C	0	AMP
Motor B - Inverter Current - phase B	-4	AMP
Available Regen Torque - Motor B	-232.301	Ft-Lbs
Motor B Resolver Angle	18	Degree
Motor A Resolver Angle	252	Degree
Electric Motor A Speed	0.5	rpm
Electric Motor B Speed	0.0	rpm
PIM DC Link Voltage - A	8	Volts
PIM DC Link Voltage - B	6	Volts
HV Battery Voltage from BPCM	180.00	Volts
Outside Air Temperature	79.7	°F
HV Battery Sleep Time	0	Days
Battery Feed Voltage 1 Sense	12.600	Volts
Battery Feed Voltage 2 Sense	12.600	Volts
Battery Feed Voltage 3 Sense	12.600	Volts
Inverter A IGBT Temperature for phase A	144	°F
Inverter A IGBT Temperature for phase C	145	°F
Inverter A IGBT Temperature for phase B	145	°F
Inverter B IGBT Temperature for phase A	144	°F
Inverter B IGBT Temperature for phase B	145	°F
Inverter B IGBT Temperature for phase C	144	°F
GPS Date - Year	2021	Year
GPS Date - Month	4	
Distance Travelled with Light ON	0	miles
UTC Time - Hours	19	Hours
GPS Date - Day	6	Days
UTC Time - Minutes	49	
UTC Time - Seconds	1	seconds
ECU Time - Milliseconds	406	ms

HCP | U0100-00 | Active | Lost Communication With ECM/PCM "A"-

NAME	VALUE	UNITS
DTC	C1 00 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	
Warning Indicator Requested	True	

Test Not Completed This Operation Cycle	False	
Occurrence flag	Occurrence	
Brake Switch Status	Not Applied	
Ignition State	Reserved	
PRND Position Display	P	
Propulsion System Active	False	
HCP ePT Wake-Up Output	On	
SW Build Release Version	PIM_21B_2007B0_RU_HCP___	
HCP System Shutdown Command	Default	
HCP SW Version	21B	
EPT LOC Diag Enable	Enable LOC Diagnostic	
APM Status	Idle	
HV Contactor Status	Open	
CBC Wake-Up Input	Off	
Impact Event	False	
J1772 Prox Detected State	Prox Out	
OBCM Operating Mode	UTC	
Hybrid System State	SNA	
PHEV Charging Status	No Charging	
Original Odometer Value	407.4	miles
Frequency Counter	101	
Most Recent Odometer Value	407.4	miles
Ignition Cycle Counter	0	
Real time clock	10594770	sec
RAM stamps keyOn	2850	sec
RAM Stamps	5394	Min
Engine Speed	0	rpm
Accelerator Pedal Position	0	%
HV Battery SOC	24	%
Vehicle Speed	0.0000	MPH
Motor A Temp Sensor	144	°F
Engine Coolant Temperature	176	°F
Barometric Pressure	15	PSI
Motor B Temp Sensor	145	°F
Internal EPS Voltage Sense A	0.000	Volts
Motor A Torque	0.000	Ft-Lbs
Internal EPS Voltage Sense B	0.000	Volts
Motor B Torque	0.000	Ft-Lbs
Actual Torque - Motor A	0.000	Ft-Lbs
Available Motor Torque - Motor B	232.301	Ft-Lbs
Actual Torque - Motor B	0.000	Ft-Lbs
Available Regen Torque - Motor A	-87.205	Ft-Lbs
Available Motor Torque - Motor A	87.205	Ft-Lbs
Available Regen Torque - Motor B	-232.301	Ft-Lbs

Commanded Torque - Motor B	0.000	Ft-Lbs
Motor A - Inverter Current - phase C	0	AMP
Commanded Torque - Motor A	0.000	Ft-Lbs
Motor A - Inverter Current - phase A	0	AMP
Motor B - Inverter Current - phase A	-4	AMP
Motor B - Inverter Current - phase B	0	AMP
Motor B Resolver Angle	18	Degree
Motor B - Inverter Current - phase C	-4	AMP
Motor A Resolver Angle	252	Degree
Motor A - Inverter Current - phase B	0	AMP
Electric Motor A Speed	0.5	rpm
Electric Motor B Speed	0.0	rpm
PIM DC Link Voltage - A	8	Volts
PIM DC Link Voltage - B	6	Volts
HV Battery Voltage from BPCM	180.00	Volts
HV Battery Sleep Time	0	Days
Outside Air Temperature	79.7	°F
Battery Feed Voltage 1 Sense	12.312	Volts
Battery Feed Voltage 2 Sense	12.312	Volts
Battery Feed Voltage 3 Sense	12.384	Volts
Inverter A IGBT Temperature for phase C	144	°F
Inverter A IGBT Temperature for phase A	144	°F
Inverter A IGBT Temperature for phase B	144	°F
Inverter B IGBT Temperature for phase A	144	°F
Inverter B IGBT Temperature for phase B	144	°F
GPS Date - Year	2021	Year
Distance Travelled with Light ON	0	miles
Inverter B IGBT Temperature for phase C	144	°F
GPS Date - Month	4	
GPS Date - Day	6	Days
UTC Time - Hours	20	Hours
UTC Time - Seconds	1	seconds
UTC Time - Minutes	9	
ECU Time - Milliseconds	726	ms

HCP | U1818-00 | Active | Lost Communication With ECM/PCM on D-PT CAN-

NAME	VALUE	UNITS
DTC	D8 18 00	
Pending DTC	True	
Test Failed This Operation Cycle	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed	True	
Test Not Completed This Operation Cycle	False	

Test Failed Since Last Clear	True	
Warning Indicator Requested	True	
Occurrence flag	Occurrence	
Brake Switch Status	Not Applied	
Ignition State	Reserved	
PRND Position Display	P	
Propulsion System Active	False	
HCP ePT Wake-Up Output	On	
HCP System Shutdown Command	Default	
CBC Wake-Up Input	Off	
SW Build Release Version	PIM_21B_2007B0_RU_HCP___	
HCP SW Version	21B	
EPT LOC Diag Enable	Enable LOC Diagnostic	
APM Status	Idle	
HV Contactor Status	Open	
Impact Event	False	
OBCM Operating Mode	UTC	
J1772 Prox Detected State	Prox Out	
Hybrid System State	SNA	
PHEV Charging Status	No Charging	
Frequency Counter	1	
Most Recent Odometer Value	407.4	miles
Original Odometer Value	407.4	miles
Real time clock	10593428	sec
Ignition Cycle Counter	0	
RAM stamps keyOn	1515	sec
RAM Stamps	5372	Min
Accelerator Pedal Position	0	%
Engine Speed	0	rpm
Motor B Temp Sensor	154	°F
HV Battery SOC	24	%
Vehicle Speed	0.0000	MPH
Motor A Temp Sensor	151	°F
Barometric Pressure	15	PSI
Engine Coolant Temperature	176	°F
Internal EPS Voltage Sense A	2.232	Volts
Internal EPS Voltage Sense B	0.648	Volts
Motor B Torque	0.000	Ft-Lbs
Motor A 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
Commanded Torque - Motor A	0.000	Ft-Lbs

Available Regen Torque - Motor A	-87.205	Ft-Lbs
Available Regen Torque - Motor B	-232.301	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	0	AMP
Motor B - Inverter Current - phase B	0	AMP
Motor B - Inverter Current - phase C	-4	AMP
Motor B Resolver Angle	18	Degree
Electric Motor A Speed	0.5	rpm
Commanded Torque - Motor B	0.000	Ft-Lbs
Electric Motor B Speed	0.0	rpm
Motor A Resolver Angle	252	Degree
PIM DC Link Voltage - B	6	Volts
HV Battery Voltage from BPCM	180.00	Volts
Outside Air Temperature	79.7	°F
PIM DC Link Voltage - A	8	Volts
HV Battery Sleep Time	0	Days
Battery Feed Voltage 1 Sense	13.248	Volts
Battery Feed Voltage 2 Sense	13.248	Volts
Inverter A IGBT Temperature for phase A	145	°F
Battery Feed Voltage 3 Sense	13.248	Volts
Inverter A IGBT Temperature for phase B	145	°F
Inverter B IGBT Temperature for phase A	145	°F
Inverter A IGBT Temperature for phase C	145	°F
Inverter B IGBT Temperature for phase B	147	°F
Inverter B IGBT Temperature for phase C	145	°F
Distance Travelled with Light ON	0	miles
GPS Date - Month	4	
GPS Date - Year	2021	Year
GPS Date - Day	6	Days
UTC Time - Minutes	47	
UTC Time - Seconds	0	seconds
UTC Time - Hours	19	Hours
ECU Time - Milliseconds	588	ms

DSM | U0140-00 | Stored | Lost Communication With Body Control Module-

NAME	VALUE	UNITS
DTC	C1 40 00	
Pending DTC	False	
Test Failed This Operation Cycle	False	
Test Failed	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	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Occurrence flag	Occurrence	
Original Odometer Value	398	miles
Ignition Cycle Counter	1	
Frequency Counter	1	
Most Recent Odometer Value	398	miles

VRM | U0422-00 | Stored | Implausible Data Received From Body Control Module-

NAME	VALUE	UNITS
DTC	C4 22 00	
Test Failed	False	
Pending DTC	False	
Confirmed DTC	True	
Test Failed This Operation Cycle	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	
Ignition Cycle Counter	1	
Original Odometer Value	398	miles
Most Recent Odometer Value	398	miles
Frequency Counter	1	

EBBM | C211B-00 | Active | Ignition Run/Start Input-

NAME	VALUE	UNITS
Pending DTC	True	
Test Failed	True	
DTC	61 1B 00	
Test Failed This Operation Cycle	True	
Warning Indicator Requested	True	
Test Failed Since Last Clear	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Undervoltage Suspected	No	
Occurrence flag	Error	
Test Not Completed This Operation Cycle	False	
Mirror Memory	No	
iBooster System Mode	Ready Mode - iBooster is ready for actuation	
Brake Pedal Applied	brake pedal not applied	

iBooster Brake Pedal State	brake pedal not applied	
Frequency Counter	1	
Original Odometer Value	398	miles
Booster Supply	13.3	V
Ignition	13.2	V
Pedal Travel Sensor Supply	5.0	V
Ignition Cycle Counter	0	
Pedal Travel Sensor One	-0.1406232	mm_
Fault Time	13107.00	S
Most Recent Odometer Value	398	miles
ECU Supply	13.2	V
iBooster Rotary Position Sensor	0.00	Deg
iBooster Output Rod Stroke	0.00	mm_
ESP Master Cylinder Pressure	0.00	PSI
iBooster ECU Temperature Channel 1	127.1188	°F
iBooster Boost Body Stroke	0.00	mm_
iBooster Input Rod Stroke	0.00	mm_
iBooster ECU Temperature Channel 2	126.0219	°F
Pedal Travel Sensor Two	-0.0839833	mm_
Vehicle Speed	0.00	MPH
Supplier Internal Code	140	

ABSO | C211B-00 | Active | Ignition Run/Start Input-

NAME	VALUE	UNITS
Test Failed This Operation Cycle	True	
Pending DTC	True	
DTC	61 1B 00	
Confirmed DTC	True	
Test Failed	True	
Warning Indicator Requested	True	
Occurrence flag	Error	
Controller Event	No	
Mirror Memory	No	
Undervoltage Suspected	No	
Test Failed Since Last Clear	False	
Test Not Completed Since Last Clear	False	
Test Not Completed This Operation Cycle	False	
Current System Mode	Ignition Run	
System Condition	OK	
Brake Pedal Status	Released	
Previous System Mode	Ignition Run	
Rotation Direction Right Front	Forward	
Rotation Direction Left Front	Forward	
Rotation Direction Right Rear	Forward	

Rotation Direction Left Rear	Forward	
ABS control	Not Active	
MSR control	Not Active	
EBV control	Not Active	
Hold	No	
ASR control	Not Active	
Braking assistance system	No assistance system is braking	
HBA control	Not Active	
ESP Control	Not Active	
EPB Mode Status	Static	
Plant Mode	No	
BLS Low	Yes	
BLS High	No	
HSA control	Not Active	
Clutch	Not Activated	
Stop Coordinator Active	No	
Status Parking Brake Right	Brake is Released	
Actual Gear	P	
Park Brake	Not Activated	
ESP-OFF mode	No	
EPB Switch Status	Idle	
Transmission selector lever setting	P	
Status Parking Brake Left	Brake is Released	
Most Recent Odometer Value	398	miles
Original Odometer Value	398	miles
Frequency Counter	1	
Ignition Cycle Counter	0	
Supply Voltage Valves	13.3	V
Supply voltage Pump	13.3	V
Brake Pedal Travel Sensor Position	0	%
Wheel Speed Left Rear	0.000	MPH
Wheel Speed Right Front	0.000	MPH
Ignition Unfiltered	0.0	V
Fault Time	13107.00	S
Wheel Speed Left Front	0.000	MPH
Wheel Speed Right Rear	0.000	MPH
Lateral Acceleration	-0.22	m/s^2
Yaw Rate	0.000	°/s
Primary Circuit Pressure	0.00	PSI
Accelerator Pedal Position	0.0	%
Engine Speed	0.0	rpm
Steering Wheel Angle	0.00	°
Longitudinal Acceleration	0.00	m/s^2
Supplier Internal Code	330	

TBM2 | U0452-64 | Active | Implausible Data Received From Restraints Control Module-Signal Plausibility Failure

NAME	VALUE	UNITS
DTC	C4 52 64	
Test Failed	True	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
DTC Extended Data Record Number - All	01	
Warning Indicator Requested	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Frequency Counter	1	

SNAPSHOT DATA SUMMARY

No Snapshot Data available for P06E4

No Snapshot Data available for B2101

No Snapshot Data available for U0100-00

No Snapshot Data available for B212C-13

No Snapshot Data available for U0154-00

No Snapshot Data available for U0100-00

No Snapshot Data available for U0159-00

No Snapshot Data available for U1215-00

No Snapshot Data available for U0422-00

No Snapshot Data available for U0100-00

No Snapshot Data available for U1215-00

No Snapshot Data available for U1216-00

No Snapshot Data available for U0159-00

No Snapshot Data available for U1216-00

No Snapshot Data available for U0100-00

No Snapshot Data available for U0159-00

No Snapshot Data available for U1215-00

No Snapshot Data available for U0140-00

No Snapshot Data available for U0140-00

No Snapshot Data available for U0100-00

No Snapshot Data available for P0513-00

No Snapshot Data available for U0100-00

No Snapshot Data available for U1818-00

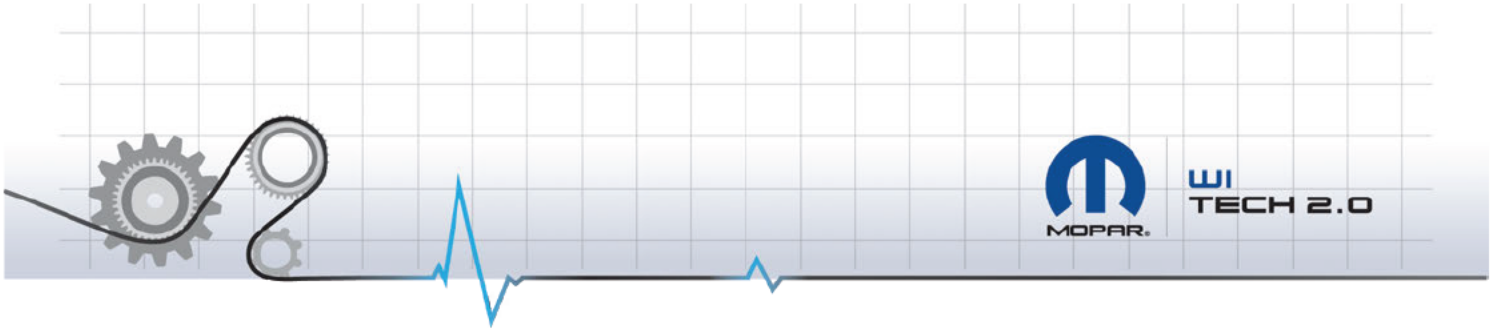
No Snapshot Data available for U0140-00

No Snapshot Data available for U0422-00

No Snapshot Data available for C211B-00

No Snapshot Data available for C211B-00

No Snapshot Data available for U0452-64



VEHICLE HEALTH REPORT

Vehicle 2021 CHRYSLER PACIFICA (PHEV) 3.6L V6 HYBRID ENGINE
VIN 2C4RC1S72[redacted]

Odometer 383.6 miles
Publication Date Apr 5, 2021, 10:41:36 AM

ECU SUMMARY INFO

ECU	NAME	BUS TYPE	FLASH PART #	CURRENT V[redacted]	ORIGINAL [redacted]	PART #
PCM	Powertrain Control Module	CAN-C	68499122AD	2C4RC1S72	2C4RC1S7	68499122AD
PLGM	Power Liftgate	CAN-I	68466171AF	2C4RC1S72	—	68466171AF
ICS	Integrated Center Stack	CAN-I	7AS341X8AA	2C4RC1S72	2C4RC1S7	7AS341X8AA
RFH	Radio Frequency Hub	CAN-C	68500152AA	2C4RC1S72	2C4RC1S7	68500152AA
ESM	Electronic Shifter	CAN-C	68240089AM	2C4RC1S72	2C4RC1S7	68240089AM
ORC	Occupant Restraint	CAN-C	68480710AC	2C4RC1S72	2C4RC1S7	68480710AC
EPS	Electric Power Steering	CAN-C	68460392AA	2C4RC1S72	2C4RC1S7	68460392AA
HVAC	Heat, Ventilation and A/C	CAN-I	68493454AE	2C4RC1S72	2C4RC1S7	68493454AE
DDM	Driver Door Module	CAN-I	68496461AB	2C4RC1S72	2C4RC1S7	68496461AB
PDM	Passenger Door Module	CAN-I	68496460AB	2C4RC1S72	2C4RC1S7	68496460AB
DMRL	Door Module Rear Left	CAN-I	68508894AB	2C4RC1S72	2C4RC1S7	68508894AB
DMRR	Door Module Rear Right	CAN-I	68508894AB	2C4RC1S72	2C4RC1S7	68508894AB
PSDML	Power Sliding Doors (Left)	CAN-I	68369596AD	2C4RC1S72	2C4RC1S7	68369596AD
PSDMR	Power Sliding Doors (Right)	CAN-I	68369596AD	2C4RC1S72	2C4RC1S7	68369596AD
MSM	Memory Seat Module	CAN-I	68321862AC	2C4RC1S72	2C4RC1S7	68321862AC
CSWM	Comfort Seat Wheel Module	CAN-I	68517013AB	2C4RC1S72	2C4RC1S7	68517013AB
AMP	Amplifier	CAN-I	68448067AA	2C4RC1S72	2C4RC1S7	68448067AA
IPC	Instrument Panel Cluster	CAN-C	68434960AE	2C4RC1S72	2C4RC1S7	68434960AE
PTS	Parktronics	CAN-C	68485862AA	2C4RC1S72	2C4RC1S7	68485862AA
SCCM	Steering Column Control Module	CAN-C	68360889AD	2C4RC1S72	2C4RC1S7	68360889AD
BCM	Body Controller	CAN-C	68491085AG	2C4RC1S72	2C4RC1S7	68491085AG

ACC	Adaptive Cruise Control	CAN-C	68540436AA	2C4RC1S72	[redacted]	2C4RC1S7	68540436AA
RADIO	Radio	CAN-I	68465292AC	2C4RC1S72		2C4RC1S7	68465292AC
OCM	Occupant Classification	CAN-C	68403127AA	2C4RC1S72		2C4RC1S7	68403127AA
HVACR	Heat, Ventilation and A/C Rear	CAN-I	68373079AB	2C4RC1S72		2C4RC1S7	68373079AB
LBSS	Left Blind Spot Sensor	CAN-I	04672786AB	2C4RC1S72		2C4RC1S7	04672786AB
RBSS	Right Blind Spot Sensor	CAN-I	04672786AB	2C4RC1S72		2C4RC1S7	04672786AB
FFCM	Forward Facing Camera Module	CAN-C	68493395AA	2C4RC1S72		2C4RC1S7	68493395AA
EDM	External Disc Module	CAN-I	68499745AA	2C4RC1S72		2C4RC1S7	68499745AA
APM	Accessory Power Module	CAN-C	05185046AB	2C4RC1S72		2C4RC1S7	05185046AB
BPCM	Battery Pack Control Module	CAN-C	05193183AE	2C4RC1S72		2C4RC1S7	05193183AE
HCP	Hybrid Control Processor	CAN-C	05185116AF	2C4RC1S72		2C4RC1S7	05185116AF
OBCM	On Board Charging Module	CAN-C	05185047AE	2C4RC1S72		2C4RC1S7	05185047AE
MSMP	Memory Seat Module - Passenger	CAN-I	68321862AC	2C4RC1S72		2C4RC1S7	68321862AC
DSM	Display Screen Module	CAN-I	68437339AD	2C4RC1S72		2C4RC1S7	68437339AD
VRM	Video Routing Module	CAN-I	68493702AA	2C4RC1S72		2C4RC1S7	68493702AA
RCCC	Rear Cabin Comfort Controls	CAN-I	6WL30PD2AA	2C4RC1S72		2C4RC1S7	6WL30PD2AA
CVPM	Central vision processing module	CAN-I	56029920AB	2C4RC1S72		2C4RC1S7	56029920AB
EAC	Electric A/C Compressor	CAN-C	68237995AG	2C4RC1S72		2C4RC1S7	68237995AG
AHCP	Auxiliary Hybrid Control Processor	CAN-C	05185117AF	2C4RC1S72		2C4RC1S7	05185117AF
EBBM	Electronic Brake Booster Module	CAN-C	68461813AB	2C4RC1S72		2C4RC1S7	68461813AB
ABSO	Anti Lock Brakes OBD	CAN-C	68471122AD	2C4RC1S72		2C4RC1S7	68471122AD
SGW	Security Gateway Module	CAN-C	68488429AB			2C4RC1S7	68488429AB
TBM2	Telematic Box Module 2	CAN-C	68546266AB	2C4RC1S72		2C4RC1S7	68546266AB

ECU SUMMARY INFO (CONT...)

ECU	COUNTRY CODE	HARDWARE VERSION	SOFTWARE VERSION	IDENT	CVNS
PCM	USA	1B 47	75 00 01	4422	941DFC50
PLGM	USA	0	5269	000200000031	
ICS	USA	0F 0C 00	13 31 01	4700	
RFH	USA / USA	10 17 00	13 26 00	4A00	

ESM	USA / USA	0F 24 00	12 28 FF	4402	
ORC	USA / USA	12 1A 00	13 2E 00	4301	
EPS	USA / USA	12 2A 00	12 1E 01	4502	
HVAC	USA	0E 09 00	14 2F 01	4401	
DDM	USA	11 07 00	14 07 00	4202	
PDM	USA	11 07 00	14 07 00	4202	
DMRL	USA / USA	10 0B 00	14 08 00	4201	
DMRR	USA / USA	10 0B 00	14 08 00	4201	
PSDML	USA / USA	10 17 00	14 10 12	4001	
PSDMR	USA / USA	10 17 00	14 10 12	4001	
MSM	USA	0F 2B 00	10 27 03	4101	
CSWM	USA	11 2A 00	14 25 00	4302	
AMP	USA	0F 06 01	12 2E 01	4021	
IPC	USA / USA	12 06 00	14 2B 00	4705	
PTS	USA	0E 32 00	14 07 00	4311	
SCCM	USA	13 28 00	13 29 00	4301	
BCM	USA	0D 11 00	14 26 90	4420	
ACC	USA / USA	14 12 01	14 26 01	4400	
RADIO		65	5175	000200000008	
OCM	USA / USA	11 1F 01	0E 2F 02	4030	
HVACR	USA	0E 09 00	10 03 02	4301	
LBSS	USA / USA	11 30 02	12 0D 00	4202	
RBSS	USA / USA	11 30 02	12 0D 00	4202	
FFCM	USA / USA	11 06 00	13 1E 00	4102	
EDM	USA	12 0A 00	11 08 00	4000	
APM	USA / USA	11 32 00	11 32 00	4001	
BPCM	Not programmed / COUNTRY_SNA	0E 03 00	14 2C 00	4005	79855957
HCP	USA	11 1F 04	0F 2D 00	4006	FE120BB2 29C5A4AB 050DC953
OBCM	USA	0F 0D 00	12 02 00	4002	
MSMP	USA	0F 2B 00	10 27 03	4001	
DSM	USA / USA	14 0C 00	14 28 00	4300	
VRM	USA / USA	0F 1C 00	14 1E 14	4001	
RCCC	USA	0F 1D 00	13 04 00	4000	
CVPM	USA / USA	11 27 01	14 0C 01	4004	
EAC	USA	0E 34 00	12 0F 00	4102	
AHCP	USA	11 1F 04	0F 2D 00	4000	
EBBM	USA	0E 19 02	14 0D 18	4000	E5898FA5
ABSO	USA	0E 15 02	14 1B 26	4201	4F158D1B
SGW		5	969	4103	
TBM2	USA	13 0E 02	14 2A 5C	4104	

FLASHES

RRTS

RRT #	DESCRIPTION	STATUS

RECALLS

RECALL #	DESCRIPTION	STATUS

DTC SUMMARY

ECU	DTC CODE	DTC DESCRIPTION	STATUS
PCM	P2418	Fuel Tank Isolation Valve "A" Circuit	Stored
PCM	U0111	Lost Communication With Battery Energy Control Module	Stored
PCM	P0113	Intake Air Temperature Sensor 1 Circuit High	Stored
PCM	B2101	Ignition Run/Start Input Circuit Low	Stored
PCM	P06E4	Control Module Wake-up Circuit Performance	Stored
PCM	P0032	O2 Sensor 1/1 Heater Circuit High	Pending
PCM	P0038	O2 Sensor 1/2 Heater Circuit High	Pending
PCM	P0052	O2 Sensor 2/1 Heater Circuit High	Pending
PCM	P0058	O2 Sensor 2/2 Heater Circuit High	Pending
RFH	U0100-00	Lost Communication With ECM/PCM "A"-	Stored
ORC	B212C-13	Ignition Run/Start Input-Circuit Open	Stored
ORC	U0154-00	Lost Communication With Occupant Classification Module-	Stored
EPS	U0100-00	Lost Communication With ECM/PCM "A"-	Stored
EPS	U0159-00	Lost Communication With Parking Assist Control Module-	Stored
EPS	U1215-00	Lost Communication with Forward Facing Camera-	Stored
HVAC	U0422-00	Implausible Data Received From Body Control Module-	Stored
HVAC	B10EB-00	Blower Power Module-	Stored
IPC	U0100-00	Lost Communication With ECM/PCM "A"-	Stored
IPC	U1215-00	Lost Communication with Forward Facing Camera-	Stored
IPC	U0159-00	Lost Communication With Parking Assist Control Module-	Stored
IPC	U1216-00	Lost Communication with Driver Assistance System Module-	Stored
IPC	U0131-00	Lost Communication With Power Steering Control Module "A"-	Stored
BCM	U0100-00	Lost Communication With ECM/PCM "A"-	Stored
BCM	U1216-00	Lost Communication with Driver Assistance System Module-	Stored
BCM	U1215-00	Lost Communication with Forward Facing Camera-	Stored
BCM	U0159-00	Lost Communication With Parking Assist Control Module-	Stored
BCM	U11E8-00	Lost Communication with EPS Steering Torque Message-	Stored
BCM	U151A-87	Hybrid Control Processor Secret Code-Missing Message	Stored
BCM	U1514-87	Engine Controller Secret Code-Missing Message	Stored
RADIO	B1431-00	Bluetooth Antenna Internal Performance-	Stored
LBSS	U0140-00	Lost Communication With Body Control Module-	Stored
RBSS	U0140-00	Lost Communication With Body Control Module-	Stored
APM	P1CDC-00	Hybrid/EV Wakeup Control 1 Output Circuit Short to Ground-	Stored
BPCM	P167B-00	Controlled System Shutdown-	Stored
BPCM	U0293-00	Lost Communication with Hybrid Control Module "A"-	Stored
BPCM	U0151-00	Lost Communication with Occupant Restraint Controller (ORC)-	Stored
BPCM	U0100-00	Lost Communication With ECM/PCM "A"-	Stored

BPCM	P1CDC-00	Hybrid/EV Wakeup Control 1 Output Circuit Short to Ground-	Active
BPCM	P0A0A-00	High Voltage System Interlock Circuit "A"-	Stored
HCP	P2185-00	Engine Coolant Temperature Sensor 2 Circuit High-	Pending
HCP	P2534-00	Ignition Switch On/Start Position Circuit Low-	Stored
HCP	P2611-00	A/C Refrigerant Distribution Valve Control Circuit/Open-	Pending
HCP	P01E6-00	Engine Coolant Temperature Sensor 3 Circuit High-	Pending
HCP	P0513-00	Invalid SKIM Key-	Stored
HCP	P0533-00	A/C Pressure Sensor Circuit High-	Pending
HCP	P0562-00	System Voltage Low-	Stored
HCP	P0A0A-00	High Voltage System Interlock Circuit "A"-	Stored
HCP	P0C43-00	Hybrid Battery Pack Coolant Inlet Temperature Sensor Circuit Range/Performance-	Active
HCP	P0C4A-00	Hybrid/EV Battery Pack Coolant Pump "A" Control Performance-	Active
HCP	P0CD6-00	Hybrid Battery Pack Coolant Outlet Temperature Sensor Circuit Range/Performance-	Active
HCP	P26A7-00	Engine Coolant Bypass Valve 1 Position Sensor Circuit High-	Pending
HCP	U0100-00	Lost Communication With ECM/PCM "A"-	Stored
HCP	U0111-00	Lost Communication With Battery Energy Control Module-	Stored
HCP	U0151-00	Lost Communication with Occupant Restraint Controller (ORC)-	Stored
HCP	U016B-00	Lost Communication With A/C Compressor "A" Control Module-	Pending
HCP	U0293-00	Lost Communication with Hybrid Control Module "A"-	Pending
HCP	U0298-00		Pending
HCP	U11F8-00		Pending
HCP	U1818-00	Lost Communication With ECM/PCM on D-PT CAN-	Stored
HCP	U1830-00	Lost Communication with ORC on D-PT-	Stored
OBCM	U0293-00	Lost Communication with Hybrid Control Module "A"-	Stored
DSM	U0140-00	Lost Communication With Body Control Module-	Stored
VRM	U0422-00	Implausible Data Received From Body Control Module-	Stored
VRM	B15AD-00	Lost Low Voltage Differential Signal (LVDS) Connection with Media Port 1-	Stored
CVPM	B23C5-92	Front Camera-Performance or Incorrect Operation	Stored
EBBM	C211B-00	Ignition Run/Start Input-	Stored
ABSO	U0104-00	Lost Communication With Cruise Control Module-	Stored
ABSO	C211B-00	Ignition Run/Start Input-	Stored
TBM2	U0452-64	Implausible Data Received From Restraints Control Module-Signal Plausibility Failure	Stored

ENVIRONMENTAL DATA SUMMARY

PCM | P2418 | Stored | Fuel Tank Isolation Valve "A" Circuit

NAME	VALUE	UNITS
DTC	24 18	
DTC Readiness Flag	Not Complete	
DTC Storage State	Stored	
Warning Indicator Request State	On	
Number of DTC	1	
Odometer	389.7	miles
Accumulation Timer	1	minutes
Ignition Key Cycles	0	

Starts Since Set Counter	0	
Key Cycles Since DTC Last Set Counter	0	
Good Trip Counter	0	
Warm Up Cycles	0	

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

NAME	VALUE	UNITS
DTC	C1 11	
DTC Storage State	Stored	
DTC Readiness Flag	Not Complete	
Warning Indicator Request State	On	
Number of DTC	1	
Odometer	389.7	miles
Accumulation Timer	1	minutes
Starts Since Set Counter	0	
Ignition Key Cycles	0	
Key Cycles Since DTC Last Set Counter	0	
Warm Up Cycles	0	
Good Trip Counter	0	

PCM | P0113 | Stored | Intake Air Temperature Sensor 1 Circuit High

NAME	VALUE	UNITS
DTC	01 13	
DTC Readiness Flag	Not Complete	
Warning Indicator Request State	On	
DTC Storage State	Stored	
Number of DTC	1	
Odometer	389.7	miles
Accumulation Timer	26	minutes
Ignition Key Cycles	0	
Starts Since Set Counter	0	
Key Cycles Since DTC Last Set Counter	0	
Warm Up Cycles	0	
Good Trip Counter	0	

PCM | B2101 | Stored | Ignition Run/Start Input Circuit Low

NAME	VALUE	UNITS
DTC	A1 01	
DTC Readiness Flag	Not Complete	
DTC Storage State	Stored	
Warning Indicator Request State	Off	
Number of DTC	1	
Odometer	389.7	miles
Accumulation Timer	19	minutes

Ignition Key Cycles	0	
Starts Since Set Counter	0	
Key Cycles Since DTC Last Set Counter	0	
Warm Up Cycles	0	
Good Trip Counter	0	

PCM | P06E4 | Stored | Control Module Wake-up Circuit Performance

NAME	VALUE	UNITS
DTC	06 E4	
DTC Readiness Flag	Not Complete	
DTC Storage State	Stored	
Warning Indicator Request State	On	
Number of DTC	1	
Odometer	389.7	miles
Accumulation Timer	4	minutes
Ignition Key Cycles	20	
Starts Since Set Counter	11	
Key Cycles Since DTC Last Set Counter	21	
Warm Up Cycles	0	
Good Trip Counter	0	

PCM | P0032 | Pending | O2 Sensor 1/1 Heater Circuit High

NAME	VALUE	UNITS
DTC		
DTC Readiness Flag		
DTC Storage State		
Warning Indicator Request State		
Number of DTC	0	
Accumulation Timer		minutes
Odometer		miles
Ignition Key Cycles		
Key Cycles Since DTC Last Set Counter		
Starts Since Set Counter		
Warm Up Cycles		
Good Trip Counter		

PCM | P0038 | Pending | O2 Sensor 1/2 Heater Circuit High

NAME	VALUE	UNITS
DTC		
DTC Readiness Flag		
DTC Storage State		
Warning Indicator Request State		
Number of DTC	0	
Odometer		miles

Accumulation Timer		minutes
Ignition Key Cycles		
Starts Since Set Counter		
Key Cycles Since DTC Last Set Counter		
Good Trip Counter		
Warm Up Cycles		

PCM | P0052 | Pending | O2 Sensor 2/1 Heater Circuit High

NAME	VALUE	UNITS
DTC		
DTC Readiness Flag		
DTC Storage State		
Warning Indicator Request State		
Number of DTC	0	
Odometer		miles
Accumulation Timer		minutes
Ignition Key Cycles		
Starts Since Set Counter		
Key Cycles Since DTC Last Set Counter		
Warm Up Cycles		
Good Trip Counter		

PCM | P0058 | Pending | O2 Sensor 2/2 Heater Circuit High

NAME	VALUE	UNITS
DTC		
DTC Readiness Flag		
DTC Storage State		
Warning Indicator Request State		
Number of DTC	0	
Accumulation Timer		minutes
Odometer		miles
Ignition Key Cycles		
Starts Since Set Counter		
Good Trip Counter		
Key Cycles Since DTC Last Set Counter		
Warm Up Cycles		

RFH | U0100-00 | Stored | Lost Communication With ECM/PCM "A"-

NAME	VALUE	UNITS
Test Failed	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	
Test Failed This Operation Cycle	True	
Pending DTC	False	
Most Recent Odometer Value	378	miles
Original Odometer Value	378	miles
Frequency Counter	4	
Ignition Cycle Counter	1	

ORC | B212C-13 | Stored | Ignition Run/Start Input-Circuit Open

NAME	VALUE	UNITS
Test Failed	False	
Test Failed This Operation Cycle	True	
Pending DTC	False	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
Confirmed DTC	True	
Occurrence flag	Error	
DTC Extended Data Record Number - All	FF	
Frequency Counter	4	
Original Odometer Value	378	miles
Most Recent Odometer Value	378	miles
Operation Cycle Counter	1	

ORC | U0154-00 | Stored | Lost Communication With Occupant Classification Module-

NAME	VALUE	UNITS
Test Failed	False	
Test Failed This Operation Cycle	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	
Confirmed DTC	True	
Pending DTC	False	
Occurrence flag	Error	
DTC Extended Data Record Number - All	FF	
Most Recent Odometer Value	378	miles
Original Odometer Value	378	miles
Frequency Counter	4	
Operation Cycle Counter	1	

EPS | U0100-00 | Stored | Lost Communication With ECM/PCM "A"-

NAME	VALUE	UNITS
DTC	C1 00 00	
Test Failed	False	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Test Not Completed Since Last Clear	False	
Confirmed DTC	True	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
Occurrence flag	Error	
Supplier Internal Fault Code	01 29 01	
Ignition Cycle Counter	1	
Most Recent Odometer Value	378	miles
EPS Internal Filtered Vehicle Speed	0.000	MPH
Original Odometer Value	378	miles
Frequency Counter	80	
EPS System Current Draw	0	A
EPS Measured Module Voltage	12.04	V
EPS Steering Wheel Velocity	-0.00	deg/s
EPS Internal Steering Wheel Angle (Sign convention is positive angle towards left steering lock)	-19.60	Deg
EPS Measured Module Temperature	66.1	°F
EPS Steering Wheel Torque	0.1728	Ft-Lbs
CAN Battery Voltage	12.1	Volts

EPS | U0159-00 | Stored | Lost Communication With Parking Assist Control Module-

NAME	VALUE	UNITS
DTC	C1 59 00	
Test Failed	False	
Test Failed This Operation Cycle	True	
Confirmed DTC	True	
Pending DTC	True	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Occurrence flag	Error	
Warning Indicator Requested	False	
Test Not Completed Since Last Clear	False	
Supplier Internal Fault Code	01 99 01	
Original Odometer Value	378	miles
Ignition Cycle Counter	1	
Frequency Counter	4	
Most Recent Odometer Value	378	miles
EPS Internal Filtered Vehicle Speed	0.000	MPH

EPS System Current Draw	0	A
EPS Steering Wheel Velocity	-0.00	deg/s
EPS Internal Steering Wheel Angle (Sign convention is positive angle towards left steering lock)	-19.60	Deg
EPS Steering Wheel Torque	0.1671	Ft-Lbs
EPS Measured Module Temperature	66.1	°F
CAN Battery Voltage	12.1	Volts
EPS Measured Module Voltage	12.04	V

EPS | U1215-00 | Stored | Lost Communication with Forward Facing Camera-

NAME	VALUE	UNITS
DTC	D2 15 00	
Pending DTC	True	
Test Failed This Operation Cycle	True	
Confirmed DTC	True	
Test Not Completed This Operation Cycle	False	
Test Failed	False	
Test Failed Since Last Clear	True	
Test Not Completed Since Last Clear	False	
Occurrence flag	Error	
Warning Indicator Requested	False	
Supplier Internal Fault Code	01 91 01	
Original Odometer Value	378	miles
EPS Internal Filtered Vehicle Speed	0.000	MPH
Most Recent Odometer Value	378	miles
Frequency Counter	5	
EPS Internal Steering Wheel Angle (Sign convention is positive angle towards left steering lock)	-19.60	Deg
Ignition Cycle Counter	1	
EPS Steering Wheel Velocity	-0.00	deg/s
EPS System Current Draw	0	A
EPS Measured Module Voltage	12.04	V
CAN Battery Voltage	12.1	Volts
EPS Steering Wheel Torque	0.1671	Ft-Lbs
EPS Measured Module Temperature	66.1	°F

HVAC | U0422-00 | Stored | Implausible Data Received From Body Control Module-

NAME	VALUE	UNITS
Test Failed	False	
Test Failed This Operation Cycle	True	
Pending DTC	False	
Test Not Completed Since Last Clear	False	
Confirmed DTC	True	
Warning Indicator Requested	False	
Test Not Completed This Operation Cycle	False	
Occurrence flag	Error	

Test Failed Since Last Clear	True	
Most Recent Odometer Value	378	miles
Original Odometer Value	378	miles
Frequency Counter	4	
Ignition Cycle Counter	1	

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

NAME	VALUE	UNITS
Test Failed	False	
Test Failed This Operation Cycle	False	
Confirmed DTC	True	
Pending DTC	False	
Test Not Completed This Operation Cycle	False	
Test Not Completed Since Last Clear	False	
Warning Indicator Requested	False	
Test Failed Since Last Clear	True	
Occurrence flag	Error	
Original Odometer Value	99	miles
Most Recent Odometer Value	99	miles
Frequency Counter	4	
Ignition Cycle Counter	51	

IPC | U0100-00 | Stored | Lost Communication With ECM/PCM "A"-

NAME	VALUE	UNITS
Test Failed	False	
Test Failed This Operation Cycle	True	
Pending DTC	False	
Confirmed DTC	True	
Test Failed Since Last Clear	True	
Warning Indicator Requested	False	
Test Not Completed This Operation Cycle	False	
DTC Extended Data Record Number - All	FF	
Occurrence flag	Occurrence	
Test Not Completed Since Last Clear	False	
Original Odometer Value	378	miles
Most Recent Odometer Value	378	miles
Ignition Cycle Counter	0	
Frequency Counter	4	

IPC | U1215-00 | Stored | Lost Communication with Forward Facing Camera-

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

Pending DTC	False	
Test Not Completed Since Last Clear	False	
Test Not Completed This Operation Cycle	False	
Test Failed Since Last Clear	True	
Warning Indicator Requested	False	
DTC Extended Data Record Number - All	FF	
Occurrence flag	Occurrence	
Original Odometer Value	378	miles
Ignition Cycle Counter	0	
Most Recent Odometer Value	378	miles
Frequency Counter	4	

IPC | U0159-00 | Stored | Lost Communication With Parking Assist Control Module-

NAME	VALUE	UNITS
Test Failed	False	
Test Failed This Operation Cycle	True	
Confirmed DTC	True	
Pending DTC	False	
Test Failed Since Last Clear	True	
Test Not Completed Since Last Clear	False	
Test Not Completed This Operation Cycle	False	
DTC Extended Data Record Number - All	FF	
Occurrence flag	Occurrence	
Warning Indicator Requested	False	
Original Odometer Value	378	miles
Frequency Counter	4	
Most Recent Odometer Value	378	miles
Ignition Cycle Counter	0	

IPC | U1216-00 | Stored | Lost Communication with Driver Assistance System Module-

NAME	VALUE	UNITS
Test Failed	False	
Pending DTC	False	
Test Failed This Operation Cycle	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
DTC Extended Data Record Number - All	FF	
Warning Indicator Requested	False	
Occurrence flag	Occurrence	
Original Odometer Value	378	miles
Most Recent Odometer Value	378	miles
Frequency Counter	4	

Ignition Cycle Counter	0	

IPC | U0131-00 | Stored | Lost Communication With Power Steering Control Module "A"-

NAME	VALUE	UNITS
Test Failed	False	
Test Failed This Operation Cycle	False	
Confirmed DTC	True	
Pending DTC	False	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
DTC Extended Data Record Number - All	FF	
Occurrence flag	Occurrence	
Warning Indicator Requested	False	
Most Recent Odometer Value	378	miles
Ignition Cycle Counter	19	
Original Odometer Value	378	miles
Frequency Counter	2	

BCM | U0100-00 | Stored | Lost Communication With ECM/PCM "A"-

NAME	VALUE	UNITS
Test Failed	False	
Test Failed This Operation Cycle	True	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number - All	01	
Occurrence flag	Error	
Most Recent Odometer Value	378	miles
Original Odometer Value	378	miles
Frequency Counter	4	
Ignition Cycle Counter	1	

BCM | U1216-00 | Stored | Lost Communication with Driver Assistance System Module-

NAME	VALUE	UNITS
Test Failed	False	
Test Failed This Operation Cycle	True	
Pending DTC	False	
Confirmed DTC	True	
Test Failed Since Last Clear	True	
Test Not Completed 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	378	miles
Frequency Counter	4	
Most Recent Odometer Value	378	miles
Ignition Cycle Counter	1	

BCM | U1215-00 | Stored | Lost Communication with Forward Facing Camera-

NAME	VALUE	UNITS
Test Failed This Operation Cycle	True	
Test Failed	False	
Pending DTC	False	
Confirmed DTC	True	
Test Failed Since Last Clear	True	
Test Not Completed 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	
Most Recent Odometer Value	378	miles
Original Odometer Value	378	miles
Frequency Counter	4	
Ignition Cycle Counter	1	

BCM | U0159-00 | Stored | Lost Communication With Parking Assist Control Module-

NAME	VALUE	UNITS
Test Failed	False	
Test Failed This Operation Cycle	True	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number - All	01	
Occurrence flag	Error	
Most Recent Odometer Value	378	miles
Original Odometer Value	378	miles
Frequency Counter	4	
Ignition Cycle Counter	1	

BCM | U11E8-00 | Stored | Lost Communication with EPS Steering Torque Message-

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	
DTC Extended Data Record Number - All	01	
Warning Indicator Requested	False	
Occurrence flag	Error	
Original Odometer Value	378	miles
Most Recent Odometer Value	378	miles
Frequency Counter	2	
Ignition Cycle Counter	19	

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

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	99	miles
Most Recent Odometer Value	378	miles
Frequency Counter	4	
Ignition Cycle Counter	19	

BCM | U1514-87 | Stored | Engine Controller Secret Code-Missing Message

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 Not Completed This Operation Cycle	False	
Test Failed Since Last Clear	True	
Warning Indicator Requested	False	
DTC Extended Data Record Number - All	01	

Occurrence flag	Error	
Original Odometer Value	378	miles
Most Recent Odometer Value	378	miles
Frequency Counter	2	
Ignition Cycle Counter	19	

RADIO | B1431-00 | Stored | Bluetooth Antenna Internal Performance-

NAME	VALUE	UNITS
DTC	94 31 00	
Test Failed	False	
Test Failed This Operation Cycle	False	
Confirmed DTC	True	
Pending DTC	False	

LBSS | U0140-00 | Stored | Lost Communication With Body Control Module-

NAME	VALUE	UNITS
Pending DTC	True	
Confirmed DTC	True	
Test Failed This Operation Cycle	True	
Test Not Completed This Operation Cycle	False	
Test Failed Since Last Clear	True	
Test Not Completed Since Last Clear	False	
Occurrence flag	Occurrence	
Test Failed	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number - All	01	
Original Odometer Value	378	miles
Operation Cycle Counter	1	
Most Recent Odometer Value	378	miles
Frequency Counter	108	

RBSS | U0140-00 | Stored | Lost Communication With Body Control Module-

NAME	VALUE	UNITS
DTC	C1 40 00	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Test Failed	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
DTC Extended Data Record Number - All	01	
Occurrence flag	Occurrence	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
Test Failed Since Last Clear	True	

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	
Frequency Counter	108	
Most Recent Odometer Value	378	miles
Original Odometer Value	378	miles
Operation Cycle Counter	1	

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

NAME	VALUE	UNITS
DTC	1C DC 00	
Test Failed This Operation Cycle	False	
Confirmed DTC	True	
Test Failed	False	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Occurrence flag	Error	
Pending DTC	True	
HCP Commanded APM Operating Mode	Idle	
APM Operation Mode Status Reported from APM	Idle	
APM Derating Mode Status	No de-rating	
APM Failure Mode Status	No failure	
APM Derating Reason	Default(Normal Operation)	
APM Failure Reason	No failure	
Original Odometer Value	378	miles
APM Low Voltage DC Current Set Point	100.0000	AMP
Most Recent Odometer Value	378	miles
Low voltage battery voltage from HCP	12.1200	Volt
Frequency Counter	1	
Ignition Cycle Counter	2	
APM High Voltage DC Current Set Point	7.0000	AMP
APM Low Voltage DC Voltage Set Point	14.81	Volt
APM High Voltage DC Voltage Set Point	14.0000	Volt

BPCM | P167B-00 | Stored | Controlled System Shutdown-

NAME	VALUE	UNITS
Key in Ignition	Key_Def	
Key Position	Ign_ Run	

EPT -WakeUp	Sourced	
HCP Contactor Command	Open	
Qualified Contactor Command - QCC	Open	
Verified Contactor Command - VCC	Open	
Contactor Status	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	
HVIL Status -Vehicle	Not Sourced	
HVIL Status - Battery pack	PASS	
Pump - Wire Open\Short to Gnd	PASS	
Pump - Dry Run Detection	PASS	
Pump - Overtemperature	PASS	
Pump - Overcurrent	PASS	
Pump - Switch Power Shorted	PASS	
Fault trigger level 1	False	
Fault trigger level 2	False	
Fault trigger level 3	False	
Fault Path	03	
Key - DriveRdy (CAN)	True	
Battery Cell Lowest Cell number	33	
Battery Cell Highest Cell number	76	
Battery Temperature Highest Sensor number	10	
Battery Temperature Number of Failing Sensors	00	
Battery Temperature Lowest Sensor number	06	
HV Cooling Pump Relay Drive	Not Sourced	
Pump - Battery Coolant Level Low	False	
Isolation Vehicle Diagnostic Status	Run and Passed	
Isolation Battery Diagnostic Status	Run and Passed	
BPCM Sec Asic Reset Req	Not Active	
BPCM Sec CC Path Test Active	Not Active	
BPCM L2 General Monitoring Flt Rsn	L2L1_CELL_MAX_V_CMP_FLT	
BPCM Sec Asic Fault Input	Not Active	
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 Sec Asic Fault State	NOTASSERTED	
BPCM Main HW Timer Status	Not Active	
Real Time Clock Validity	True	
DTC	16 7B 00	

Test Failed	False	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number - All	01	
Occurrence flag	Error	
DTC Extended Data Record Number - 2	56	
Ignition Cycle Counter	1	
Frequency Counter	1	
FoM - for this DTC (lifetime fails counts on pass)	0.0000	seconds
FoM - for this DTC (lifetime fails)	21	events
Battery Total Time Awake	10497718	seconds
FoM - for this DTC (lifetime longest fail on pass)	0.000	seconds
Vehicle mileage at time of fault (ODO signal in $3D2)	383.54	miles
Vehicle Speed	FE	MPH
System (12) Volts at time of fault	12.199	Volts
Battery Lifetime Miles	667016	miles
Battery Lifetime AmpHrs of DisCharge	314.4	AHr
Battery Lifetime AmpHrs of Charge	310.9	AHr
SOC at time of Fault	23.9	%
Power Up SOC at time of Fault	24.7	%
HVIL PWM Duty Cycle - Vehicle	50.2	%
HVIL PWM peak voltage Sourced - Vehicle	11.052	Volts
HVIL PWM Frequency - Vehicle	87.9	Hz
HVIL PWM peak voltage Sensed - Vehicle	11.022	Volts
HVIL Source Voltage- Battery	1.377	Volts
HVIL Returned current - Battery	30.40	mA
HV Battery Current Sensor 1 Hall High	-2.30	Amps
HV Battery Current Sensor 2 Hall Low	-0.05	Amps
HV Battery Current HVBatCrnt	0.00	Amps
HV Cooling Speed Pump 1 Target	725	rpm
HV Cooling Speed pump 1 Speed	0	rpm
BPCM temperature max	66	°F
Charge indicator Temp	77	°F
BPCM temperature min	66	°F
Isolation Circuitry Va	2.810	Volts
Isolation Circuitry Vb	2.501	Volts
Isolation Circuitry Vd	0.000	Volts
WC and Circuitry 2.5V Reference Voltage	2.501	Volts
WC and Circuitry Vcc Voltage	5.004	Volts

WC and CircuitryISO 8V Reference Voltage	7.983	Volts
Cycles left to self heal	40	No Unit
WC and Circuitry Weld Contactor Sensor G (Pack Negative) Voltage	0.2	Volts
HV Battery Charge Power 10sec	89220	watts
HV Battery Discharge Power 10sec	86001	watts
HV Battery Charge Power 2sec	93522	watts
HV Battery Discharge Power 2sec	89712	watts
HV Battery Power	007530	watts
Battery Lifetime Number Of Closes	256	
Battery Full AmpHr Capacity	50	AmpHrs
Cell Impedance Max Discharge	0	mOhms
Battery Cell Voltage Maximum	3558	mV
Cell Impedance Mim Discharge	0	mOhms
Battery Cell Voltage Minimum	3552	mV
Battery Cell Voltage Average	3554	mV
HV Battery Voltage (Module Sum)	340.30	Volts
HV Battery Voltage (cell sum)	341.20	Volts
HV Sensor B Bus\Link (Pre-Fuse) Voltage	341.30	Volts
HV Sensor A Pack Voltage	341.20	Volts
HV Sensor C OBCM (HVOBC Fuse) Voltage	341.20	Volts
HV Sensor D Heater (HVHTR Fuse) Voltage	341.30	Volts
HV Sensor G Weld Contactor(Pack Negative) Voltage	0.2	Volts
Battery Temperature Maximum Module	66	°F
Battery Temperature Minimum Module	66	°F
Battery Temperature Average Module	66	°F
HV Cooling Battery coolant inlet temp	66	°F
HV Cooling OBCM temp inlet Temp	72	°F
HV Cooling Battery coolant outlet temp	66	°F
Isolation Vehicle Impedance	7.9408	Mega Ohms
Isolation Battery Impedance	0.8480	Mega Ohms
HV Bat SOH-R	12.9	%
HV Bat SOH-C	96.9	%
BPCM Sec QA Error Counter	1	cnts
BPCM Sec MM Hw Reset Error Counter	0	cnts
BPCM L2 SM Hw Reset Error Counter	0	No Unit
Engine Speed	0	rpm
Accelerator position	7.5	%
Real time clock	429496.7295	seconds
Original Odometer Value	378	miles
Real time clock-OS Task Delay Timer	0	
Most Recent Odometer Value	378	miles

BPCM | U0293-00 | Stored | Lost Communication with Hybrid Control Module "A"-

NAME	VALUE	UNITS

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	
Plug in Status	Not plugged in	
Contactor Status	Closed	
ChargingLevel	Plug in, but no charge	
Battery in Periodic wake up (Just battery) at time of Fault	False	
Balance Mode	False	
Battery in Periodic wake up (Wake up vehicle) at time of Fault	False	
HVIL Status -Vehicle	PASS	
HVIL Status - Battery pack	PASS	
Pump - Dry Run Detection	PASS	
Pump - Wire Open\Short to Gnd	PASS	
Pump - Overcurrent	PASS	
Pump - Overtemperature	PASS	
Pump - Switch Power Shorted	PASS	
Fault trigger level 1	False	
Fault trigger level 3	False	
Fault trigger level 2	False	
Fault Path	01	
Key - DriveRdy (CAN)	True	
Battery Cell Highest Cell number	90	
Battery Cell Lowest Cell number	33	
Battery Temperature Lowest Sensor number	06	
Battery Temperature Highest Sensor number	09	
Battery Temperature Number of Failing Sensors	00	
HV Cooling Pump Relay Drive	Not Sourced	
Pump - Battery Coolant Level Low	False	
Isolation Vehicle Diagnostic Status	Run and Passed	
Isolation Battery Diagnostic Status	Run and Passed	
BPCM Sec Asic Reset Req	Not Active	
BPCM Sec CC Path Test Active	Not Active	
BPCM Sec Asic Fault Input	Not Active	
BPCM L2 General Monitoring Flt Rsn	L2L1_CELL_MAX_V_CMP_FLT	
BPCM L2 Contactor Dslb Req	Undetermined	
BPCM L2 CC Path Test Req	Undetermined	
BPCM Sec HW Timer Status	Not Active	
BPCM L2 ASIC Diagnostic Flt Rsn	ADCTest	
BPCM Main HW Timer Status	Not Active	
BPCM Sec Contactor State	Close	
BPCM Sec Asic Fault State	NOTASSERTED	

Real Time Clock Validity	True	
DTC	C2 93 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	
Warning Indicator Requested	False	
Test Not Completed This Operation Cycle	False	
DTC Extended Data Record Number - All	01	
Occurrence flag	Error	
DTC Extended Data Record Number - 2	A8	
Frequency Counter	1	
Ignition Cycle Counter	1	
FoM - for this DTC (lifetime fails counts on pass)	0.0000	seconds
FoM - for this DTC (lifetime fails)	1	events
FoM - for this DTC (lifetime longest fail on pass)	0.000	seconds
Vehicle mileage at time of fault (ODO signal in $3D2)	383.54	miles
Battery Total Time Awake	10497718	seconds
Battery Lifetime Miles	667016	miles
Vehicle Speed	FE	MPH
System (12) Volts at time of fault	12.206	Volts
Battery Lifetime AmpHrs of DisCharge	314.4	AHr
SOC at time of Fault	23.9	%
Power Up SOC at time of Fault	24.7	%
HVIL PWM Duty Cycle - Vehicle	50.2	%
HVIL PWM Frequency - Vehicle	87.9	Hz
Battery Lifetime AmpHrs of Charge	310.9	AHr
HVIL PWM peak voltage Sourced - Vehicle	10.975	Volts
HVIL PWM peak voltage Sensed - Vehicle	10.953	Volts
HVIL Source Voltage- Battery	1.377	Volts
HV Battery Current Sensor 1 Hall High	-0.40	Amps
HVIL Returned current - Battery	30.40	mA
HV Battery Current HVBatCrnt	0.00	Amps
HV Battery Current Sensor 2 Hall Low	-0.05	Amps
HV Cooling Speed pump 1 Speed	0	rpm
HV Cooling Speed Pump 1 Target	725	rpm
Charge indicator Temp	77	°F
BPCM temperature max	66	°F
Isolation Circuitry Va	3.096	Volts
BPCM temperature min	66	°F
Isolation Circuitry Vd	0.000	Volts
Isolation Circuitry Vb	2.501	Volts

WC and CircuitryISO 8V Reference Voltage	7.983	Volts
WC and Circuitry 2.5V Reference Voltage	2.501	Volts
WC and Circuitry Vcc Voltage	5.004	Volts
WC and Circuitry Weld Contactor Sensor G (Pack Negative) Voltage	0.2	Volts
Cycles left to self heal	40	No Unit
HV Battery Charge Power 2sec	93522	watts
HV Battery Charge Power 10sec	89220	watts
HV Battery Discharge Power 10sec	86001	watts
HV Battery Power	007530	watts
HV Battery Discharge Power 2sec	89712	watts
Battery Lifetime Number Of Closes	256	
Battery Full AmpHr Capacity	50	AmpHrs
Cell Impedance Max Discharge	0	mOhms
Battery Cell Voltage Maximum	3558	mV
Battery Cell Voltage Minimum	3552	mV
Cell Impedance Mim Discharge	0	mOhms
Battery Cell Voltage Average	3555	mV
HV Battery Voltage (cell sum)	341.20	Volts
HV Battery Voltage (Module Sum)	340.30	Volts
HV Sensor A Pack Voltage	341.20	Volts
HV Sensor C OBCM (HVOBC Fuse) Voltage	341.30	Volts
HV Sensor D Heater (HVHTR Fuse) Voltage	341.30	Volts
HV Sensor G Weld Contactor(Pack Negative) Voltage	0.2	Volts
Battery Temperature Maximum Module	66	°F
HV Sensor B Bus\Link (Pre-Fuse) Voltage	341.30	Volts
Battery Temperature Minimum Module	66	°F
Battery Temperature Average Module	66	°F
HV Cooling Battery coolant inlet temp	66	°F
HV Cooling Battery coolant outlet temp	66	°F
HV Cooling OBCM temp inlet Temp	72	°F
Isolation Vehicle Impedance	7.9408	Mega Ohms
Isolation Battery Impedance	0.8480	Mega Ohms
HV Bat SOH-R	12.9	%
HV Bat SOH-C	96.9	%
BPCM Sec QA Error Counter	0	cnts
BPCM Sec MM Hw Reset Error Counter	0	cnts
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	
Original Odometer Value	378	miles
Most Recent Odometer Value	378	miles

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

NAME	VALUE	UNITS
Key in Ignition	Key_Def	
EPT -WakeUp	Sourced	
Key Position	Ign_ Start	
Qualified Contactor Command - QCC	Closed	
HCP Contactor Command	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	
HVIL Status -Vehicle	PASS	
HVIL Status - Battery pack	PASS	
Pump - Wire Open\Short to Gnd	PASS	
Pump - Dry Run Detection	PASS	
Pump - Overtemperature	PASS	
Pump - Overcurrent	PASS	
Pump - Switch Power Shorted	PASS	
Fault trigger level 1	False	
Fault trigger level 2	False	
Fault trigger level 3	False	
Fault Path	01	
Key - DriveRdy (CAN)	True	
Battery Cell Highest Cell number	91	
Battery Cell Lowest Cell number	40	
Battery Temperature Highest Sensor number	06	
Battery Temperature Number of Failing Sensors	00	
Battery Temperature Lowest Sensor number	11	
HV Cooling Pump Relay Drive	Not Sourced	
Pump - Battery Coolant Level Low	False	
Isolation Vehicle Diagnostic Status	Run and Passed	
Isolation Battery Diagnostic Status	Run and Passed	
BPCM Sec Asic Reset Req	Not Active	
BPCM Sec Asic Fault Input	Not Active	
BPCM L2 General Monitoring Flt Rsn	L2L1_CELL_MAX_V_CMP_FLT	
BPCM L2 Contactor Dslb Req	Undetermined	
BPCM L2 CC Path Test Req	Undetermined	
BPCM Sec CC Path Test Active	Not Active	
BPCM L2 ASIC Diagnostic Flt Rsn	ADCTest	
BPCM Sec HW Timer Status	Not Active	
BPCM Main HW Timer Status	Not Active	

BPCM Sec Contactor State	Close	
BPCM Sec Asic Fault State	NOTASSERTED	
Real Time Clock Validity	True	
DTC	C1 51 00	
Test Failed	False	
Pending DTC	True	
Test Failed This Operation Cycle	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
DTC Extended Data Record Number - All	01	
Warning Indicator Requested	False	
Occurrence flag	Error	
DTC Extended Data Record Number - 2	A7	
Frequency Counter	7	
Ignition Cycle Counter	1	
FoM - for this DTC (lifetime fails)	5	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	10158182	seconds
Vehicle mileage at time of fault (ODO signal in $3D2)	383.07	miles
Battery Lifetime Miles	667014	miles
Vehicle Speed	0.0	MPH
System (12) Volts at time of fault	12.698	Volts
Battery Lifetime AmpHrs of Charge	307.1	AHr
Battery Lifetime AmpHrs of DisCharge	311.4	AHr
SOC at time of Fault	22.7	%
Power Up SOC at time of Fault	23.1	%
HVIL PWM Duty Cycle - Vehicle	50.2	%
HVIL PWM peak voltage Sourced - Vehicle	11.638	Volts
HVIL PWM Frequency - Vehicle	87.9	Hz
HVIL PWM peak voltage Sensed - Vehicle	11.586	Volts
HVIL Source Voltage- Battery	1.377	Volts
HVIL Returned current - Battery	30.40	mA
HV Battery Current Sensor 2 Hall Low	0.25	Amps
HV Battery Current HVBatCrnt	0.25	Amps
HV Battery Current Sensor 1 Hall High	-1.25	Amps
HV Cooling Speed Pump 1 Target	0	rpm
HV Cooling Speed pump 1 Speed	0	rpm
Charge indicator Temp	100	°F
BPCM temperature max	90	°F
BPCM temperature min	84	°F
Isolation Circuitry Va	2.542	Volts

Isolation Circuitry Vb	2.501	Volts
Isolation Circuitry Vd	0.000	Volts
WC and Circuitry Vcc Voltage	5.009	Volts
WC and Circuitry 2.5V Reference Voltage	2.501	Volts
WC and Circuitry Weld Contactor Sensor G (Pack Negative) Voltage	0.2	Volts
WC and CircuitryISO 8V Reference Voltage	7.980	Volts
Cycles left to self heal	40	No Unit
HV Battery Charge Power 10sec	90336	watts
HV Battery Charge Power 2sec	98025	watts
HV Battery Discharge Power 2sec	91335	watts
HV Battery Discharge Power 10sec	88536	watts
HV Battery Power	007539	watts
Battery Full AmpHr Capacity	50	AmpHrs
Battery Lifetime Number Of Closes	228	
Cell Impedance Max Discharge	0	mOhms
Cell Impedance Mim Discharge	0	mOhms
Battery Cell Voltage Minimum	3531	mV
Battery Cell Voltage Average	3534	mV
HV Battery Voltage (cell sum)	339.30	Volts
HV Sensor B Bus\Link (Pre-Fuse) Voltage	339.40	Volts
HV Battery Voltage (Module Sum)	338.30	Volts
Battery Cell Voltage Maximum	3537	mV
HV Sensor A Pack Voltage	339.20	Volts
HV Sensor G Weld Contactor(Pack Negative) Voltage	0.2	Volts
Battery Temperature Maximum Module	90	°F
HV Sensor D Heater (HVHTR Fuse) Voltage	339.40	Volts
HV Sensor C OBCM (HVOBC Fuse) Voltage	339.40	Volts
Battery Temperature Average Module	86	°F
Battery Temperature Minimum Module	84	°F
HV Cooling Battery coolant inlet temp	111	°F
HV Cooling Battery coolant outlet temp	111	°F
Isolation Vehicle Impedance	7.4108	Mega Ohms
HV Cooling OBCM temp inlet Temp	111	°F
Isolation Battery Impedance	0.8480	Mega Ohms
HV Bat SOH-R	13.3	%
HV Bat SOH-C	96.9	%
BPCM Sec QA Error Counter	0	cnts
BPCM Sec MM Hw Reset Error Counter	0	cnts
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	
Original Odometer Value	378	miles

Most Recent Odometer Value	378	miles

BPCM | U0100-00 | Stored | Lost Communication With ECM/PCM "A"-

NAME	VALUE	UNITS
Key in Ignition	Key_Def	
Key Position	Ign_ Run	
EPT -WakeUp	Sourced	
Qualified Contactor Command - QCC	Open	
HCP Contactor Command	Open	
Contactor Status	Open	
Verified Contactor Command - VCC	Open	
Plug in Status	Not plugged in	
ChargingLevel	Plug in, but no charge	
Balance Mode	False	
Battery in Periodic wake up (Just battery) at time of Fault	False	
Battery in Periodic wake up (Wake up vehicle) at time of Fault	False	
HVIL Status -Vehicle	PASS	
HVIL Status - Battery pack	PASS	
Pump - Wire Open\Short to Gnd	PASS	
Pump - Dry Run Detection	PASS	
Pump - Overcurrent	PASS	
Pump - Overtemperature	PASS	
Pump - Switch Power Shorted	PASS	
Fault trigger level 1	False	
Fault trigger level 2	False	
Fault trigger level 3	False	
Fault Path	01	
Key - DriveRdy (CAN)	True	
Battery Cell Highest Cell number	88	
Battery Cell Lowest Cell number	40	
Battery Temperature Highest Sensor number	06	
Battery Temperature Lowest Sensor number	11	
Battery Temperature Number of Failing Sensors	00	
HV Cooling Pump Relay Drive	Not Sourced	
Pump - Battery Coolant Level Low	False	
Isolation Vehicle Diagnostic Status	Run and Passed	
Isolation Battery Diagnostic Status	Run and Passed	
BPCM Sec Asic Reset Req	Not Active	
BPCM Sec Asic Fault Input	Not Active	
BPCM Sec CC Path Test Active	Not Active	
BPCM L2 General Monitoring Flt Rsn	L2L1_CELL_MAX_V_CMP_FLT	
BPCM L2 CC Path Test Req	Undetermined	
BPCM L2 Contactor Dslb Req	Undetermined	
BPCM L2 ASIC Diagnostic Flt Rsn	ADCTest	

BPCM Sec HW Timer Status	Not Active	
BPCM Sec Contactor State	Open	
BPCM Main HW Timer Status	Not Active	
BPCM Sec Asic Fault State	NOTASSERTED	
Real Time Clock Validity	True	
Test Failed	False	
DTC	C1 00 00	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number - All	01	
Occurrence flag	Error	
DTC Extended Data Record Number - 2	A6	
Frequency Counter	16	
Ignition Cycle Counter	1	
FoM - for this DTC (lifetime fails)	6	events
FoM - for this DTC (lifetime longest fail on pass)	0.000	seconds
FoM - for this DTC (lifetime fails counts on pass)	0.0000	seconds
Battery Total Time Awake	10158143	seconds
Vehicle mileage at time of fault (ODO signal in $3D2)	383.07	miles
Battery Lifetime Miles	667014	miles
System (12) Volts at time of fault	12.928	Volts
Vehicle Speed	0.0	MPH
Battery Lifetime AmpHrs of DisCharge	311.4	AHr
SOC at time of Fault	22.7	%
Power Up SOC at time of Fault	23.1	%
HVIL PWM Frequency - Vehicle	87.9	Hz
Battery Lifetime AmpHrs of Charge	307.1	AHr
HVIL PWM Duty Cycle - Vehicle	50.2	%
HVIL PWM peak voltage Sourced - Vehicle	11.794	Volts
HVIL PWM peak voltage Sensed - Vehicle	11.753	Volts
HVIL Returned current - Battery	30.60	mA
HVIL Source Voltage- Battery	1.377	Volts
HV Battery Current Sensor 2 Hall Low	-0.05	Amps
HV Battery Current Sensor 1 Hall High	-1.45	Amps
HV Battery Current HVBatCrnt	0.00	Amps
HV Cooling Speed pump 1 Speed	0	rpm
HV Cooling Speed Pump 1 Target	0	rpm
Charge indicator Temp	100	°F
BPCM temperature max	90	°F

Isolation Circuitry Va	2.500	Volts
BPCM temperature min	84	°F
Isolation Circuitry Vb	2.501	Volts
Isolation Circuitry Vd	0.000	Volts
WC and Circuitry 2.5V Reference Voltage	2.501	Volts
WC and Circuitry Vcc Voltage	5.012	Volts
WC and CircuitryISO 8V Reference Voltage	7.980	Volts
WC and Circuitry Weld Contactor Sensor G (Pack Negative) Voltage	-1.8	Volts
Cycles left to self heal	40	No Unit
HV Battery Charge Power 2sec	97980	watts
HV Battery Discharge Power 2sec	91338	watts
HV Battery Discharge Power 10sec	88539	watts
HV Battery Power	007530	watts
Battery Lifetime Number Of Closes	227	
HV Battery Charge Power 10sec	90339	watts
Battery Full AmpHr Capacity	50	AmpHrs
Cell Impedance Mim Discharge	0	mOhms
Cell Impedance Max Discharge	0	mOhms
Battery Cell Voltage Minimum	3529	mV
Battery Cell Voltage Average	3532	mV
HV Battery Voltage (cell sum)	339.10	Volts
HV Battery Voltage (Module Sum)	338.10	Volts
Battery Cell Voltage Maximum	3535	mV
HV Sensor A Pack Voltage	339.10	Volts
HV Sensor B Bus\Link (Pre-Fuse) Voltage	1.40	Volts
HV Sensor C OBCM (HVOBC Fuse) Voltage	0.80	Volts
HV Sensor D Heater (HVHTR Fuse) Voltage	0.80	Volts
HV Sensor G Weld Contactor(Pack Negative) Voltage	-1.8	Volts
Battery Temperature Maximum Module	90	°F
Battery Temperature Average Module	86	°F
Battery Temperature Minimum Module	84	°F
HV Cooling Battery coolant outlet temp	111	°F
HV Cooling Battery coolant inlet temp	111	°F
HV Cooling OBCM temp inlet Temp	109	°F
Isolation Vehicle Impedance	7.4108	Mega Ohms
Isolation Battery Impedance	0.8480	Mega Ohms
HV Bat SOH-R	13.3	%
HV Bat SOH-C	96.9	%
BPCM Sec QA Error Counter	0	cnts
BPCM Sec MM Hw Reset Error Counter	0	cnts
Engine Speed	0	rpm
BPCM L2 SM Hw Reset Error Counter	0	No Unit
Real time clock	429496.7295	seconds
Accelerator position	7.5	%

Real time clock-OS Task Delay Timer	0	
Original Odometer Value	378	miles
Most Recent Odometer Value	378	miles

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

NAME	VALUE	UNITS
Key in Ignition	Key_Def	
Key Position	Ign_ Run	
EPT -WakeUp	Not Sourced	
Qualified Contactor Command - QCC	Closed	
HCP Contactor Command	Closed	
Verified Contactor Command - VCC	Closed Restricted	
Plug in Status	Not plugged in	
Contactor Status	Closed	
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	
HVIL Status -Vehicle	Fail	
HVIL Status - Battery pack	PASS	
Pump - Wire Open\Short to Gnd	PASS	
Pump - Dry Run Detection	PASS	
Pump - Overtemperature	PASS	
Pump - Overcurrent	PASS	
Pump - Switch Power Shorted	PASS	
Fault trigger level 1	False	
Fault trigger level 2	False	
Fault trigger level 3	False	
Fault Path	01	
Key - DriveRdy (CAN)	True	
Battery Cell Highest Cell number	89	
Battery Cell Lowest Cell number	33	
Battery Temperature Highest Sensor number	09	
Battery Temperature Lowest Sensor number	06	
Battery Temperature Number of Failing Sensors	00	
HV Cooling Pump Relay Drive	Not Sourced	
Pump - Battery Coolant Level Low	False	
Isolation Vehicle Diagnostic Status	Run and Passed	
Isolation Battery Diagnostic Status	Run and Passed	
BPCM Sec Asic Reset Req	Not Active	
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 Contactor Dslb Req	Undetermined	

BPCM L2 ASIC Diagnostic Flt Rsn	ADCTest	
BPCM L2 CC Path Test Req	Undetermined	
BPCM Sec HW Timer Status	Not Active	
BPCM Main HW Timer Status	Not Active	
BPCM Sec Asic Fault State	NOTASSERTED	
BPCM Sec Contactor State	Close	
Real Time Clock Validity	True	
DTC	1C DC 00	
Test Failed This Operation Cycle	True	
Test Failed	True	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number - All	01	
Occurrence flag	Error	
DTC Extended Data Record Number - 2	7E	
Frequency Counter	1	
Ignition Cycle Counter	0	
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	10497325	seconds
Battery Lifetime Miles	667016	miles
Vehicle mileage at time of fault (ODO signal in $3D2)	383.54	miles
Vehicle Speed	0.0	MPH
Battery Lifetime AmpHrs of Charge	310.9	AHr
System (12) Volts at time of fault	12.236	Volts
Battery Lifetime AmpHrs of DisCharge	314.4	AHr
SOC at time of Fault	23.9	%
Power Up SOC at time of Fault	24.7	%
HVIL PWM Duty Cycle - Vehicle	0.0	%
HVIL PWM Frequency - Vehicle	0.0	Hz
HVIL PWM peak voltage Sourced - Vehicle	11.366	Volts
HVIL PWM peak voltage Sensed - Vehicle	0.409	Volts
HVIL Source Voltage- Battery	1.377	Volts
HVIL Returned current - Battery	30.20	mA
HV Battery Current Sensor 1 Hall High	-0.85	Amps
HV Battery Current HVBatCrnt	0.15	Amps
HV Battery Current Sensor 2 Hall Low	0.15	Amps
HV Cooling Speed Pump 1 Target	725	rpm
HV Cooling Speed pump 1 Speed	0	rpm

BPCM temperature max	66	°F
BPCM temperature min	66	°F
Charge indicator Temp	77	°F
Isolation Circuitry Va	2.497	Volts
Isolation Circuitry Vb	2.501	Volts
Isolation Circuitry Vd	0.000	Volts
WC and Circuitry 2.5V Reference Voltage	2.501	Volts
WC and Circuitry Vcc Voltage	5.002	Volts
WC and CircuitryISO 8V Reference Voltage	7.983	Volts
WC and Circuitry Weld Contactor Sensor G (Pack Negative) Voltage	0.2	Volts
HV Battery Charge Power 2sec	93477	watts
HV Battery Charge Power 10sec	89220	watts
Cycles left to self heal	40	No Unit
HV Battery Discharge Power 2sec	89709	watts
HV Battery Discharge Power 10sec	85998	watts
HV Battery Power	007536	watts
Battery Lifetime Number Of Closes	256	
Battery Full AmpHr Capacity	50	AmpHrs
Cell Impedance Max Discharge	0	mOhms
Cell Impedance Mim Discharge	0	mOhms
Battery Cell Voltage Maximum	3557	mV
Battery Cell Voltage Minimum	3551	mV
Battery Cell Voltage Average	3554	mV
HV Battery Voltage (Module Sum)	340.30	Volts
HV Sensor A Pack Voltage	341.20	Volts
HV Battery Voltage (cell sum)	341.20	Volts
HV Sensor B Bus\Link (Pre-Fuse) Voltage	341.20	Volts
HV Sensor C OBCM (HVOBC Fuse) Voltage	341.20	Volts
HV Sensor D Heater (HVHTR Fuse) Voltage	341.20	Volts
HV Sensor G Weld Contactor(Pack Negative) Voltage	0.2	Volts
Battery Temperature Maximum Module	66	°F
Battery Temperature Average Module	66	°F
HV Cooling Battery coolant inlet temp	64	°F
Battery Temperature Minimum Module	66	°F
HV Cooling Battery coolant outlet temp	64	°F
Isolation Vehicle Impedance	7.9408	Mega Ohms
HV Cooling OBCM temp inlet Temp	72	°F
Isolation Battery Impedance	0.8480	Mega Ohms
HV Bat SOH-C	96.9	%
HV Bat SOH-R	12.9	%
BPCM Sec QA Error Counter	0	cnts
BPCM Sec MM Hw Reset Error Counter	0	cnts
BPCM L2 SM Hw Reset Error Counter	0	No Unit
Accelerator position	7.5	%

Engine Speed	0	rpm
Real time clock	429496.7295	seconds
Real time clock-OS Task Delay Timer	0	
Original Odometer Value	378	miles
Most Recent Odometer Value	378	miles

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

NAME	VALUE	UNITS
Key in Ignition	Key_Def	
Key Position	Ign_ Run	
EPT -WakeUp	Not Sourced	
HCP Contactor Command	Closed	
Qualified Contactor Command - QCC	Closed	
Verified Contactor Command - VCC	Closed Restricted	
Contactor Status	Closed	
Plug in Status	Not plugged in	
Balance Mode	False	
Battery in Periodic wake up (Just battery) at time of Fault	False	
ChargingLevel	Plug in, but no charge	
Battery in Periodic wake up (Wake up vehicle) at time of Fault	False	
HVIL Status -Vehicle	PASS	
HVIL Status - Battery pack	PASS	
Pump - Dry Run Detection	PASS	
Pump - Wire Open\Short to Gnd	PASS	
Pump - Overcurrent	PASS	
Pump - Overtemperature	PASS	
Pump - Switch Power Shorted	PASS	
Fault trigger level 1	False	
Fault trigger level 2	False	
Fault trigger level 3	False	
Fault Path	01	
Key - DriveRdy (CAN)	True	
Battery Cell Highest Cell number	89	
Battery Cell Lowest Cell number	41	
Battery Temperature Highest Sensor number	10	
Battery Temperature Lowest Sensor number	06	
Battery Temperature Number of Failing Sensors	00	
HV Cooling Pump Relay Drive	Not Sourced	
Pump - Battery Coolant Level Low	False	
Isolation Vehicle Diagnostic Status	Run and Passed	
Isolation Battery Diagnostic Status	Run and Passed	
BPCM Sec Asic Reset Req	Not Active	
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 Sec Asic Fault State	NOTASSERTED	
BPCM Main HW Timer Status	Not Active	
Real Time Clock Validity	True	
DTC	0A 0A 00	
Test Failed	False	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number - All	01	
Occurrence flag	Error	
DTC Extended Data Record Number - 2	04	
Frequency Counter	1	
Ignition Cycle Counter	1	
FoM - for this DTC (lifetime fails counts on pass)	0.5800	seconds
FoM - for this DTC (lifetime fails)	24	events
Battery Total Time Awake	10497323	seconds
FoM - for this DTC (lifetime longest fail on pass)	0.080	seconds
Vehicle mileage at time of fault (ODO signal in $3D2)	383.54	miles
Battery Lifetime Miles	667016	miles
System (12) Volts at time of fault	12.228	Volts
Vehicle Speed	0.0	MPH
Battery Lifetime AmpHrs of Charge	310.9	AHr
Battery Lifetime AmpHrs of DisCharge	314.4	AHr
SOC at time of Fault	23.9	%
HVIL PWM Duty Cycle - Vehicle	0.0	%
HVIL PWM Frequency - Vehicle	0.0	Hz
Power Up SOC at time of Fault	24.7	%
HVIL PWM peak voltage Sourced - Vehicle	11.273	Volts
HVIL PWM peak voltage Sensed - Vehicle	0.800	Volts
HV Battery Current Sensor 1 Hall High	-1.45	Amps
HVIL Returned current - Battery	30.20	mA
HVIL Source Voltage- Battery	1.377	Volts
HV Battery Current Sensor 2 Hall Low	0.00	Amps
HV Battery Current HVBatCrnt	0.25	Amps

HV Cooling Speed Pump 1 Target	0	rpm
Charge indicator Temp	77	°F
HV Cooling Speed pump 1 Speed	0	rpm
BPCM temperature max	66	°F
BPCM temperature min	66	°F
Isolation Circuitry Va	2.500	Volts
Isolation Circuitry Vd	0.000	Volts
Isolation Circuitry Vb	2.465	Volts
WC and Circuitry 2.5V Reference Voltage	2.501	Volts
WC and Circuitry Vcc Voltage	5.002	Volts
WC and CircuitryISO 8V Reference Voltage	7.983	Volts
WC and Circuitry Weld Contactor Sensor G (Pack Negative) Voltage	0.2	Volts
Cycles left to self heal	40	No Unit
HV Battery Charge Power 10sec	89220	watts
HV Battery Discharge Power 10sec	85998	watts
HV Battery Discharge Power 2sec	89712	watts
HV Battery Charge Power 2sec	93474	watts
HV Battery Power	007538	watts
Battery Lifetime Number Of Closes	256	
Cell Impedance Max Discharge	0	mOhms
Battery Full AmpHr Capacity	50	AmpHrs
Cell Impedance Mim Discharge	0	mOhms
Battery Cell Voltage Minimum	3551	mV
Battery Cell Voltage Average	3554	mV
HV Battery Voltage (cell sum)	341.20	Volts
Battery Cell Voltage Maximum	3557	mV
HV Battery Voltage (Module Sum)	340.20	Volts
HV Sensor A Pack Voltage	341.20	Volts
HV Sensor C OBCM (HVOBC Fuse) Voltage	341.20	Volts
HV Sensor B Bus\Link (Pre-Fuse) Voltage	341.30	Volts
HV Sensor D Heater (HVHTR Fuse) Voltage	341.30	Volts
HV Sensor G Weld Contactor(Pack Negative) Voltage	0.2	Volts
Battery Temperature Maximum Module	66	°F
Battery Temperature Minimum Module	66	°F
Battery Temperature Average Module	66	°F
HV Cooling Battery coolant outlet temp	64	°F
HV Cooling Battery coolant inlet temp	64	°F
HV Cooling OBCM temp inlet Temp	72	°F
Isolation Battery Impedance	0.8480	Mega Ohms
Isolation Vehicle Impedance	7.9408	Mega Ohms
HV Bat SOH-C	96.9	%
HV Bat SOH-R	12.9	%
BPCM Sec QA Error Counter	0	cnts
BPCM Sec MM Hw Reset Error Counter	0	cnts

BPCM L2 SM Hw Reset Error Counter	0	No Unit
Accelerator position	7.5	%
Real time clock	429496.7295	seconds
Engine Speed	0	rpm
Real time clock-OS Task Delay Timer	0	
Original Odometer Value	378	miles
Most Recent Odometer Value	378	miles

HCP | P2185-00 | Pending | Engine Coolant Temperature Sensor 2 Circuit High-

NAME	VALUE	UNITS
DTC	21 85 00	
Test Failed This Operation Cycle	True	
Test Failed	False	
Pending DTC	True	
Confirmed DTC	False	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Warning Indicator Requested	False	
Occurrence flag		
Test Not Completed This Operation Cycle	False	
Brake Switch Status		
PHEV Charging Status		
Ignition State		
PRND Position Display		
Propulsion System Active		
Thermal System Enable State		
High Temperature Shut-Off Valve Status		
Front Refrigerant Shut-Off Valve Status		
Chiller Shut-Off Valve Status		
Hybrid System State		
CBC Wake-Up Input		
EPT LOC Diag Enable		
HV Contactor Status		
APM Status		
Impact Event		
HCP System Shutdown Command		
OBCM Operating Mode		
J1772 Prox Detected State		
Original Odometer Value		miles
Most Recent Odometer Value		miles
Frequency Counter		
Ignition Cycle Counter		
Real time clock		sec
RAM stamps keyOn		sec

RAM Stamps		Min
Accelerator Pedal Position		%
Engine Speed		rpm
HV Battery SOC		%
Barometric Pressure		PSI
Vehicle Speed		MPH
Engine Coolant Temperature		°F
A/C Refrigerant Pressure		PSI
Passive Pump Coolant Temp In Sensor		°F
Electric Coolant Heater Temp Sensor		°F
Heater Core Coolant Temp Sensor		°F
Motor A Temp Sensor		°F
Motor B Temp Sensor		°F
Outside Air Temperature		°F
EAC Compressor Speed		rpm
High Temp Cabin Valve Feedback		degrees
Radiator Fan Duty Cycle		%
HV Coolant Heater - Measured Coolant Inlet Temp		°F
HV Coolant Heater - Measured Coolant Outlet Temp		°F
Low Temp Active Pump - Temperature		°F
Low Temp Passive Pump - Temperature		°F
Battery Feed Voltage 2 Sense		Volts
Battery Feed Voltage 3 Sense		Volts
Internal EPS Voltage Sense A		Volts
Internal EPS Voltage Sense B		Volts
Battery Feed Voltage 1 Sense		Volts
Actual Torque - Motor B		Ft-Lbs
Available Motor Torque - Motor A		Ft-Lbs
Available Motor Torque - Motor B		Ft-Lbs
Available Regen Torque - Motor A		Ft-Lbs
Available Regen Torque - Motor B		Ft-Lbs
Commanded Torque - Motor A		Ft-Lbs
Commanded Torque - Motor B		Ft-Lbs
Motor A - Inverter Current - phase A		AMP
Motor A - Inverter Current - phase B		AMP
Motor A - Inverter Current - phase C		AMP
Motor B - Inverter Current - phase B		AMP
Motor B - Inverter Current - phase A		AMP
Motor B - Inverter Current - phase C		AMP
Motor A Resolver Angle		Degree
Motor B Resolver Angle		Degree
Electric Motor A Speed		rpm
HV Battery Voltage from BPCM		Volts
Electric Motor B Speed		rpm

PIM DC Link Voltage - A		Volts
PIM DC Link Voltage - B		Volts
Inverter A IGBT Temperature for phase A		°F
Inverter A IGBT Temperature for phase B		°F
Inverter A IGBT Temperature for phase C		°F
Inverter B IGBT Temperature for phase A		°F
Inverter B IGBT Temperature for phase B		°F
Inverter B IGBT Temperature for phase C		°F
Distance Travelled with Light ON		miles
Motor B Torque		Ft-Lbs
Motor A Torque		Ft-Lbs
HV Battery Sleep Time		Days
GPS Date - Year		Year
GPS Date - Month		
GPS Date - Day		Days
UTC Time - Minutes		
UTC Time - Hours		Hours
UTC Time - Seconds		seconds
ECU Time - Milliseconds		ms

HCP | P2534-00 | Stored | Ignition Switch On/Start Position Circuit Low-

NAME	VALUE	UNITS
DTC	25 34 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	
Brake Switch Status	Not Applied	
Ignition State	Reserved	
PRND Position Display	P	
Propulsion System Active	False	
CBC Wake-Up Input	Off	
HCP ePT Wake-Up Output	On	
HCP System Shutdown Command	Default	
SW Build Release Version	PIM_21B_2007B0_RU_HCP___	
HCP SW Version	21B	
EPT LOC Diag Enable	Enable LOC Diagnostic	
HV Contactor Status	Closed	
APM Status	Idle	

Impact Event	False	
J1772 Prox Detected State	Prox Out	
OBCM Operating Mode	UTC	
Hybrid System State	SNA	
PHEV Charging Status	No Charging	
Original Odometer Value	383.6	miles
Most Recent Odometer Value	383.6	miles
Frequency Counter	1	
Ignition Cycle Counter	0	
Real time clock	10497322	sec
RAM stamps keyOn	1710	sec
RAM Stamps	5190	Min
Accelerator Pedal Position	0	%
Engine Speed	0	rpm
HV Battery SOC	24	%
Vehicle Speed	0.0000	MPH
Motor A Temp Sensor	75	°F
Motor B Temp Sensor	72	°F
Engine Coolant Temperature	93	°F
Barometric Pressure	14	PSI
Internal EPS Voltage Sense B	8.136	Volts
Internal EPS Voltage Sense A	8.208	Volts
Motor A Torque	0.000	Ft-Lbs
Motor B Torque	-0.092	Ft-Lbs
Actual Torque - Motor A	0.000	Ft-Lbs
Actual Torque - Motor B	-0.092	Ft-Lbs
Available Motor Torque - Motor A	87.205	Ft-Lbs
Available Regen Torque - Motor A	-87.205	Ft-Lbs
Available Motor Torque - Motor B	232.301	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	-4	AMP
Motor B - Inverter Current - phase B	-4	AMP
Motor B - Inverter Current - phase A	0	AMP
Motor B - Inverter Current - phase C	0	AMP
Motor B Resolver Angle	18	Degree
Electric Motor A Speed	0.0	rpm
Motor A Resolver Angle	164	Degree
Electric Motor B Speed	0.0	rpm
PIM DC Link Voltage - A	342	Volts
PIM DC Link Voltage - B	343	Volts

HV Battery Voltage from BPCM	342.50	Volts
Outside Air Temperature	69.8	°F
HV Battery Sleep Time	0	Days
Battery Feed Voltage 1 Sense	12.096	Volts
Battery Feed Voltage 2 Sense	11.952	Volts
Battery Feed Voltage 3 Sense	12.168	Volts
Inverter A IGBT Temperature for phase A	111	°F
Inverter A IGBT Temperature for phase B	115	°F
Inverter A IGBT Temperature for phase C	113	°F
Inverter B IGBT Temperature for phase A	113	°F
Inverter B IGBT Temperature for phase B	115	°F
Inverter B IGBT Temperature for phase C	109	°F
Distance Travelled with Light ON	0	miles
GPS Date - Year	2021	Year
GPS Date - Month	4	
GPS Date - Day	5	Days
UTC Time - Hours	17	Hours
UTC Time - Seconds	1	seconds
UTC Time - Minutes	5	
ECU Time - Milliseconds	931	ms

HCP | P2611-00 | Pending | A/C Refrigerant Distribution Valve Control Circuit/Open-

NAME	VALUE	UNITS
DTC	26 11 00	
Test Failed	False	
Pending DTC	True	
Test Failed This Operation Cycle	True	
Confirmed DTC	False	
Test Not Completed Since Last Clear	False	
Test Not Completed This Operation Cycle	False	
Test Failed Since Last Clear	True	
Occurrence flag		
Warning Indicator Requested	False	
Brake Switch Status		
PHEV Charging Status		
Ignition State		
PRND Position Display		
Propulsion System Active		
Thermal System Enable State		
High Temperature Shut-Off Valve Status		
Front Refrigerant Shut-Off Valve Status		
Chiller Shut-Off Valve Status		
Hybrid System State		
CBC Wake-Up Input		

EPT LOC Diag Enable		
HV Contactor Status		
APM Status		
Impact Event		
HCP System Shutdown Command		
OBCM Operating Mode		
J1772 Prox Detected State		
Original Odometer Value		miles
Frequency Counter		
Most Recent Odometer Value		miles
Ignition Cycle Counter		
Real time clock		sec
RAM stamps keyOn		sec
RAM Stamps		Min
Accelerator Pedal Position		%
Engine Speed		rpm
HV Battery SOC		%
Barometric Pressure		PSI
Vehicle Speed		MPH
Engine Coolant Temperature		°F
Passive Pump Coolant Temp In Sensor		°F
A/C Refrigerant Pressure		PSI
Heater Core Coolant Temp Sensor		°F
Electric Coolant Heater Temp Sensor		°F
Motor A Temp Sensor		°F
Motor B Temp Sensor		°F
Outside Air Temperature		°F
EAC Compressor Speed		rpm
High Temp Cabin Valve Feedback		degrees
Radiator Fan Duty Cycle		%
HV Coolant Heater - Measured Coolant Inlet Temp		°F
HV Coolant Heater - Measured Coolant Outlet Temp		°F
Low Temp Passive Pump - Temperature		°F
Low Temp Active Pump - Temperature		°F
Battery Feed Voltage 2 Sense		Volts
Battery Feed Voltage 3 Sense		Volts
Internal EPS Voltage Sense A		Volts
Internal EPS Voltage Sense B		Volts
Battery Feed Voltage 1 Sense		Volts
Actual Torque - Motor B		Ft-Lbs
Available Motor Torque - Motor B		Ft-Lbs
Available Motor Torque - Motor A		Ft-Lbs
Available Regen Torque - Motor A		Ft-Lbs
Available Regen Torque - Motor B		Ft-Lbs

Commanded Torque - Motor A		Ft-Lbs
Motor A - Inverter Current - phase A		AMP
Commanded Torque - Motor B		Ft-Lbs
Motor A - Inverter Current - phase B		AMP
Motor A - Inverter Current - phase C		AMP
Motor B - Inverter Current - phase A		AMP
Motor B - Inverter Current - phase B		AMP
Motor B - Inverter Current - phase C		AMP
Motor A Resolver Angle		Degree
Motor B Resolver Angle		Degree
HV Battery Voltage from BPCM		Volts
Electric Motor A Speed		rpm
Electric Motor B Speed		rpm
PIM DC Link Voltage - B		Volts
PIM DC Link Voltage - A		Volts
Inverter A IGBT Temperature for phase A		°F
Inverter A IGBT Temperature for phase B		°F
Inverter A IGBT Temperature for phase C		°F
Inverter B IGBT Temperature for phase A		°F
Inverter B IGBT Temperature for phase B		°F
Inverter B IGBT Temperature for phase C		°F
Distance Travelled with Light ON		miles
Motor A Torque		Ft-Lbs
Motor B Torque		Ft-Lbs
GPS Date - Year		Year
HV Battery Sleep Time		Days
GPS Date - Month		
GPS Date - Day		Days
UTC Time - Minutes		
UTC Time - Hours		Hours
UTC Time - Seconds		seconds
ECU Time - Milliseconds		ms

HCP | P01E6-00 | Pending | Engine Coolant Temperature Sensor 3 Circuit High-

NAME	VALUE	UNITS
DTC	01 E6 00	
Test Failed	False	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Confirmed DTC	False	
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		
Brake Switch Status		
PHEV Charging Status		
Ignition State		
Propulsion System Active		
PRND Position Display		
Thermal System Enable State		
High Temperature Shut-Off Valve Status		
Front Refrigerant Shut-Off Valve Status		
Chiller Shut-Off Valve Status		
Hybrid System State		
CBC Wake-Up Input		
EPT LOC Diag Enable		
HV Contactor Status		
APM Status		
Impact Event		
HCP System Shutdown Command		
OBCM Operating Mode		
J1772 Prox Detected State		
Most Recent Odometer Value		miles
Original Odometer Value		miles
Frequency Counter		
Ignition Cycle Counter		
RAM stamps keyOn		sec
RAM Stamps		Min
Real time clock		sec
Accelerator Pedal Position		%
Engine Speed		rpm
HV Battery SOC		%
Vehicle Speed		MPH
Barometric Pressure		PSI
Engine Coolant Temperature		°F
A/C Refrigerant Pressure		PSI
Electric Coolant Heater Temp Sensor		°F
Passive Pump Coolant Temp In Sensor		°F
Heater Core Coolant Temp Sensor		°F
Motor B Temp Sensor		°F
Motor A Temp Sensor		°F
Outside Air Temperature		°F
EAC Compressor Speed		rpm
High Temp Cabin Valve Feedback		degrees
Radiator Fan Duty Cycle		%
HV Coolant Heater - Measured Coolant Inlet Temp		°F
HV Coolant Heater - Measured Coolant Outlet Temp		°F

Low Temp Passive Pump - Temperature		°F
Low Temp Active Pump - Temperature		°F
Battery Feed Voltage 2 Sense		Volts
Battery Feed Voltage 3 Sense		Volts
Internal EPS Voltage Sense A		Volts
Internal EPS Voltage Sense B		Volts
Actual Torque - Motor B		Ft-Lbs
Battery Feed Voltage 1 Sense		Volts
Available Motor Torque - Motor A		Ft-Lbs
Available Motor Torque - Motor B		Ft-Lbs
Available Regen Torque - Motor A		Ft-Lbs
Available Regen Torque - Motor B		Ft-Lbs
Commanded Torque - Motor A		Ft-Lbs
Commanded Torque - Motor B		Ft-Lbs
Motor A - Inverter Current - phase A		AMP
Motor A - Inverter Current - phase B		AMP
Motor A - Inverter Current - phase C		AMP
Motor B - Inverter Current - phase A		AMP
Motor B - Inverter Current - phase B		AMP
Motor B - Inverter Current - phase C		AMP
Motor A Resolver Angle		Degree
Motor B Resolver Angle		Degree
HV Battery Voltage from BPCM		Volts
Electric Motor A Speed		rpm
Electric Motor B Speed		rpm
PIM DC Link Voltage - A		Volts
Inverter A IGBT Temperature for phase A		°F
PIM DC Link Voltage - B		Volts
Inverter A IGBT Temperature for phase B		°F
Inverter A IGBT Temperature for phase C		°F
Inverter B IGBT Temperature for phase A		°F
Inverter B IGBT Temperature for phase B		°F
Inverter B IGBT Temperature for phase C		°F
Distance Travelled with Light ON		miles
Motor A Torque		Ft-Lbs
Motor B Torque		Ft-Lbs
HV Battery Sleep Time		Days
GPS Date - Month		
GPS Date - Year		Year
GPS Date - Day		Days
UTC Time - Minutes		
UTC Time - Hours		Hours
UTC Time - Seconds		seconds
ECU Time - Milliseconds		ms

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

NAME	VALUE	UNITS
DTC	05 13 00	
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
Occurrence flag	Occurrence	
Brake Switch Status	Not Applied	
Ignition State	Reserved	
PRND Position Display	P	
Propulsion System Active	False	
HCP ePT Wake-Up Output	On	
CBC Wake-Up Input	Off	
HCP System Shutdown Command	Default	
SW Build Release Version	PIM_21B_2007B0_RU_HCP___	
HCP SW Version	21B	
EPT LOC Diag Enable	Enable LOC Diagnostic	
HV Contactor Status	Closed	
APM Status	Idle	
Impact Event	False	
OBCM Operating Mode	UTC	
J1772 Prox Detected State	Prox Out	
Hybrid System State	High Voltage Enabled	
PHEV Charging Status	No Charging	
Original Odometer Value	101.2	miles
Most Recent Odometer Value	383.3	miles
Frequency Counter	3	
Ignition Cycle Counter	0	
Real time clock	10168068	sec
RAM stamps keyOn	900	sec
Accelerator Pedal Position	0	%
RAM Stamps	5099	Min
Engine Speed	0	rpm
HV Battery SOC	22	%
Vehicle Speed	0.0000	MPH
Motor A Temp Sensor	135	°F
Motor B Temp Sensor	136	°F
Barometric Pressure	15	PSI
Engine Coolant Temperature	176	°F

Internal EPS Voltage Sense B	8.136	Volts
Internal EPS Voltage Sense A	8.208	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 Regen Torque - Motor A	-87.205	Ft-Lbs
Available Motor Torque - Motor B	232.301	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	0	AMP
Motor A - Inverter Current - phase C	0	AMP
Motor B - Inverter Current - phase A	-4	AMP
Motor B - Inverter Current - phase C	0	AMP
Motor B - Inverter Current - phase B	-4	AMP
Motor B Resolver Angle	108	Degree
Motor A Resolver Angle	104	Degree
Electric Motor A Speed	2.0	rpm
Electric Motor B Speed	0.0	rpm
PIM DC Link Voltage - B	341	Volts
HV Battery Voltage from BPCM	340.40	Volts
PIM DC Link Voltage - A	340	Volts
Outside Air Temperature	94.1	°F
HV Battery Sleep Time	0	Days
Battery Feed Voltage 1 Sense	12.816	Volts
Battery Feed Voltage 2 Sense	12.816	Volts
Battery Feed Voltage 3 Sense	12.888	Volts
Inverter A IGBT Temperature for phase A	131	°F
Inverter A IGBT Temperature for phase B	129	°F
Inverter A IGBT Temperature for phase C	129	°F
Inverter B IGBT Temperature for phase B	129	°F
Inverter B IGBT Temperature for phase A	129	°F
Inverter B IGBT Temperature for phase C	129	°F
Distance Travelled with Light ON	0	miles
GPS Date - Month	4	
GPS Date - Year	2021	Year
GPS Date - Day	1	Days
UTC Time - Hours	21	Hours
UTC Time - Minutes	38	
UTC Time - Seconds	0	seconds
ECU Time - Milliseconds	38	ms

HCP | P0533-00 | Pending | A/C Pressure Sensor Circuit High-

NAME	VALUE	UNITS
DTC	05 33 00	
Test Failed	False	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Confirmed DTC	False	
Test Not Completed Since Last Clear	False	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
Test Failed Since Last Clear	True	
Occurrence flag		
Brake Switch Status		
PHEV Charging Status		
Ignition State		
PRND Position Display		
Propulsion System Active		
Thermal System Enable State		
High Temperature Shut-Off Valve Status		
Front Refrigerant Shut-Off Valve Status		
Chiller Shut-Off Valve Status		
Hybrid System State		
CBC Wake-Up Input		
EPT LOC Diag Enable		
HV Contactor Status		
APM Status		
Impact Event		
HCP System Shutdown Command		
OBCM Operating Mode		
J1772 Prox Detected State		
Original Odometer Value		miles
Most Recent Odometer Value		miles
Real time clock		sec
Ignition Cycle Counter		
Frequency Counter		
RAM stamps keyOn		sec
RAM Stamps		Min
Accelerator Pedal Position		%
Engine Speed		rpm
Vehicle Speed		MPH
HV Battery SOC		%
Barometric Pressure		PSI
Engine Coolant Temperature		°F
A/C Refrigerant Pressure		PSI

Passive Pump Coolant Temp In Sensor		°F
Electric Coolant Heater Temp Sensor		°F
Heater Core Coolant Temp Sensor		°F
Motor A Temp Sensor		°F
Motor B Temp Sensor		°F
Outside Air Temperature		°F
EAC Compressor Speed		rpm
High Temp Cabin Valve Feedback		degrees
Radiator Fan Duty Cycle		%
HV Coolant Heater - Measured Coolant Inlet Temp		°F
Low Temp Passive Pump - Temperature		°F
Low Temp Active Pump - Temperature		°F
HV Coolant Heater - Measured Coolant Outlet Temp		°F
Battery Feed Voltage 2 Sense		Volts
Battery Feed Voltage 3 Sense		Volts
Internal EPS Voltage Sense B		Volts
Internal EPS Voltage Sense A		Volts
Battery Feed Voltage 1 Sense		Volts
Actual Torque - Motor B		Ft-Lbs
Available Motor Torque - Motor A		Ft-Lbs
Available Motor Torque - Motor B		Ft-Lbs
Available Regen Torque - Motor A		Ft-Lbs
Available Regen Torque - Motor B		Ft-Lbs
Commanded Torque - Motor A		Ft-Lbs
Commanded Torque - Motor B		Ft-Lbs
Motor A - Inverter Current - phase A		AMP
Motor A - Inverter Current - phase B		AMP
Motor A - Inverter Current - phase C		AMP
Motor B - Inverter Current - phase A		AMP
Motor B - Inverter Current - phase B		AMP
Motor B - Inverter Current - phase C		AMP
Motor A Resolver Angle		Degree
Motor B Resolver Angle		Degree
Electric Motor A Speed		rpm
HV Battery Voltage from BPCM		Volts
Electric Motor B Speed		rpm
PIM DC Link Voltage - A		Volts
PIM DC Link Voltage - B		Volts
Inverter A IGBT Temperature for phase A		°F
Inverter A IGBT Temperature for phase C		°F
Inverter A IGBT Temperature for phase B		°F
Inverter B IGBT Temperature for phase A		°F
Inverter B IGBT Temperature for phase B		°F
Inverter B IGBT Temperature for phase C		°F

Distance Travelled with Light ON		miles
Motor A Torque		Ft-Lbs
Motor B Torque		Ft-Lbs
HV Battery Sleep Time		Days
GPS Date - Month		
GPS Date - Year		Year
GPS Date - Day		Days
UTC Time - Hours		Hours
UTC Time - Seconds		seconds
UTC Time - Minutes		
ECU Time - Milliseconds		ms

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

NAME	VALUE	UNITS
DTC	05 62 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	
Brake Switch Status	Not Applied	
Ignition State	Reserved	
PRND Position Display	P	
Propulsion System Active	False	
HCP ePT Wake-Up Output	On	
CBC Wake-Up Input	Off	
HCP System Shutdown Command	Default	
HCP SW Version	21B	
SW Build Release Version	PIM_21B_2007B0_RU_HCP___	
EPT LOC Diag Enable	Enable LOC Diagnostic	
HV Contactor Status	Closed	
APM Status	Idle	
Impact Event	False	
OBCM Operating Mode	UTC	
J1772 Prox Detected State	Prox Out	
Hybrid System State	SNA	
PHEV Charging Status	No Charging	
Original Odometer Value	383.6	miles
Most Recent Odometer Value	383.6	miles
Frequency Counter	1	

Ignition Cycle Counter	0	
Real time clock	10497322	sec
RAM stamps keyOn	1710	sec
RAM Stamps	5190	Min
Accelerator Pedal Position	0	%
Engine Speed	0	rpm
HV Battery SOC	24	%
Vehicle Speed	0.0000	MPH
Motor A Temp Sensor	75	°F
Motor B Temp Sensor	72	°F
Barometric Pressure	14	PSI
Engine Coolant Temperature	93	°F
Internal EPS Voltage Sense B	8.136	Volts
Internal EPS Voltage Sense A	8.208	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 B	232.301	Ft-Lbs
Available Motor Torque - Motor A	87.205	Ft-Lbs
Available Regen Torque - Motor A	-87.205	Ft-Lbs
Available Regen Torque - Motor B	-232.301	Ft-Lbs
Commanded Torque - Motor A	0.000	Ft-Lbs
Commanded Torque - Motor B	0.000	Ft-Lbs
Motor A - Inverter Current - phase A	-4	AMP
Motor A - Inverter Current - phase B	-4	AMP
Motor A - Inverter Current - phase C	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	18	Degree
Motor A Resolver Angle	164	Degree
Electric Motor A Speed	0.0	rpm
Electric Motor B Speed	0.0	rpm
PIM DC Link Voltage - A	342	Volts
PIM DC Link Voltage - B	343	Volts
HV Battery Voltage from BPCM	342.50	Volts
Outside Air Temperature	69.8	°F
HV Battery Sleep Time	0	Days
Battery Feed Voltage 1 Sense	12.096	Volts
Battery Feed Voltage 2 Sense	10.368	Volts
Battery Feed Voltage 3 Sense	6.336	Volts
Inverter A IGBT Temperature for phase A	111	°F
Inverter A IGBT Temperature for phase B	115	°F

Inverter A IGBT Temperature for phase C	111	°F
Inverter B IGBT Temperature for phase A	113	°F
Inverter B IGBT Temperature for phase B	113	°F
Inverter B IGBT Temperature for phase C	109	°F
Distance Travelled with Light ON	0	miles
GPS Date - Year	2021	Year
GPS Date - Month	4	
GPS Date - Day	5	Days
UTC Time - Hours	17	Hours
UTC Time - Seconds	1	seconds
UTC Time - Minutes	5	
ECU Time - Milliseconds	456	ms

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

NAME	VALUE	UNITS
DTC	0A 0A 00	
Test Failed	False	
Test Failed This Operation Cycle	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	
Brake Switch Status	Not Applied	
Ignition State	Reserved	
PRND Position Display	P	
Propulsion System Active	False	
HCP ePT Wake-Up Output	On	
CBC Wake-Up Input	Off	
HCP System Shutdown Command	Default	
SW Build Release Version	PIM_21B_2007B0_RU_HCP___	
HCP SW Version	21B	
EPT LOC Diag Enable	Enable LOC Diagnostic	
HV Contactor Status	Closed	
APM Status	Idle	
Impact Event	False	
OBCM Operating Mode	UTC	
J1772 Prox Detected State	Prox Out	
Hybrid System State	SNA	
PHEV Charging Status	No Charging	
Most Recent Odometer Value	383.6	miles
Original Odometer Value	383.6	miles

Frequency Counter	1	
Ignition Cycle Counter	0	
Real time clock	10497322	sec
RAM stamps keyOn	1710	sec
RAM Stamps	5190	Min
Accelerator Pedal Position	0	%
Engine Speed	0	rpm
HV Battery SOC	24	%
Vehicle Speed	0.0000	MPH
Motor A Temp Sensor	75	°F
Motor B Temp Sensor	72	°F
Barometric Pressure	14	PSI
Internal EPS Voltage Sense A	8.208	Volts
Engine Coolant Temperature	93	°F
Internal EPS Voltage Sense B	8.136	Volts
Motor A Torque	0.000	Ft-Lbs
Motor B Torque	-0.092	Ft-Lbs
Actual Torque - Motor A	0.000	Ft-Lbs
Available Motor Torque - Motor A	87.205	Ft-Lbs
Available Motor Torque - Motor B	232.301	Ft-Lbs
Actual Torque - Motor B	-0.092	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 C	-4	AMP
Motor A - Inverter Current - phase B	0	AMP
Motor B - Inverter Current - phase A	0	AMP
Motor B - Inverter Current - phase B	-4	AMP
Motor B - Inverter Current - phase C	0	AMP
Motor B Resolver Angle	18	Degree
Motor A Resolver Angle	164	Degree
Electric Motor B Speed	0.0	rpm
Electric Motor A Speed	0.5	rpm
PIM DC Link Voltage - A	342	Volts
PIM DC Link Voltage - B	343	Volts
HV Battery Voltage from BPCM	342.60	Volts
Outside Air Temperature	69.8	°F
HV Battery Sleep Time	0	Days
Battery Feed Voltage 1 Sense	12.096	Volts
Battery Feed Voltage 2 Sense	12.096	Volts
Battery Feed Voltage 3 Sense	12.168	Volts
Inverter A IGBT Temperature for phase A	111	°F

Inverter A IGBT Temperature for phase B	115	°F
Inverter A IGBT Temperature for phase C	113	°F
Inverter B IGBT Temperature for phase A	113	°F
Inverter B IGBT Temperature for phase B	115	°F
Inverter B IGBT Temperature for phase C	109	°F
Distance Travelled with Light ON	0	miles
GPS Date - Year	2021	Year
GPS Date - Month	4	
GPS Date - Day	5	Days
UTC Time - Hours	17	Hours
UTC Time - Minutes	5	
UTC Time - Seconds	1	seconds
ECU Time - Milliseconds	500	ms

HCP | P0C43-00 | Active | Hybrid Battery Pack Coolant Inlet Temperature Sensor Circuit Range/Performance-

NAME	VALUE	UNITS
DTC	0C 43 00	
Test Failed	True	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Confirmed DTC	False	
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		
Brake Switch Status		
PHEV Charging Status		
Ignition State		
PRND Position Display		
Propulsion System Active		
Thermal System Enable State		
High Temperature Shut-Off Valve Status		
Front Refrigerant Shut-Off Valve Status		
Chiller Shut-Off Valve Status		
Hybrid System State		
CBC Wake-Up Input		
EPT LOC Diag Enable		
HV Contactor Status		
APM Status		
Impact Event		
HCP System Shutdown Command		
OBCM Operating Mode		
J1772 Prox Detected State		

Original Odometer Value		miles
Most Recent Odometer Value		miles
Frequency Counter		
Ignition Cycle Counter		
Real time clock		sec
RAM Stamps		Min
RAM stamps keyOn		sec
Accelerator Pedal Position		%
Engine Speed		rpm
Vehicle Speed		MPH
HV Battery SOC		%
Barometric Pressure		PSI
A/C Refrigerant Pressure		PSI
Engine Coolant Temperature		°F
Electric Coolant Heater Temp Sensor		°F
Heater Core Coolant Temp Sensor		°F
Motor A Temp Sensor		°F
Motor B Temp Sensor		°F
Passive Pump Coolant Temp In Sensor		°F
Outside Air Temperature		°F
EAC Compressor Speed		rpm
High Temp Cabin Valve Feedback		degrees
Radiator Fan Duty Cycle		%
HV Coolant Heater - Measured Coolant Outlet Temp		°F
Low Temp Passive Pump - Temperature		°F
HV Coolant Heater - Measured Coolant Inlet Temp		°F
Low Temp Active Pump - Temperature		°F
Battery Feed Voltage 2 Sense		Volts
Battery Feed Voltage 3 Sense		Volts
Internal EPS Voltage Sense A		Volts
Internal EPS Voltage Sense B		Volts
Battery Feed Voltage 1 Sense		Volts
Actual Torque - Motor B		Ft-Lbs
Available Motor Torque - Motor A		Ft-Lbs
Available Motor Torque - Motor B		Ft-Lbs
Available Regen Torque - Motor A		Ft-Lbs
Available Regen Torque - Motor B		Ft-Lbs
Commanded Torque - Motor A		Ft-Lbs
Commanded Torque - Motor B		Ft-Lbs
Motor A - Inverter Current - phase A		AMP
Motor A - Inverter Current - phase B		AMP
Motor A - Inverter Current - phase C		AMP
Motor B - Inverter Current - phase A		AMP
Motor B - Inverter Current - phase B		AMP

Motor B - Inverter Current - phase C		AMP
Motor A Resolver Angle		Degree
Motor B Resolver Angle		Degree
HV Battery Voltage from BPCM		Volts
Electric Motor A Speed		rpm
Electric Motor B Speed		rpm
PIM DC Link Voltage - A		Volts
PIM DC Link Voltage - B		Volts
Inverter A IGBT Temperature for phase A		°F
Inverter A IGBT Temperature for phase B		°F
Inverter A IGBT Temperature for phase C		°F
Inverter B IGBT Temperature for phase A		°F
Inverter B IGBT Temperature for phase B		°F
Inverter B IGBT Temperature for phase C		°F
Distance Travelled with Light ON		miles
Motor A Torque		Ft-Lbs
Motor B Torque		Ft-Lbs
HV Battery Sleep Time		Days
GPS Date - Month		
GPS Date - Year		Year
GPS Date - Day		Days
UTC Time - Hours		Hours
UTC Time - Minutes		
UTC Time - Seconds		seconds
ECU Time - Milliseconds		ms

HCP | P0C4A-00 | Active | Hybrid/EV Battery Pack Coolant Pump "A" Control Performance-

NAME	VALUE	UNITS
DTC	0C 4A 00	
Test Failed	True	
Pending DTC	True	
Confirmed DTC	False	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
Occurrence flag		
Test Not Completed Since Last Clear	False	
Test Failed This Operation Cycle	True	
Test Failed Since Last Clear	True	
PHEV Charging Status		
Brake Switch Status		
Ignition State		
PRND Position Display		
Propulsion System Active		
Low Temp Active Pump - RPM Monitoring		

Low Temp Active Pump - Limp Home		
Low Temp Active Pump - Post Running Mode Status		
Low Temp Active Pump - Over Current		
Low Temp Active Pump - Over Temperature		
Low Temp Active Pump - Voltage Error		
Low Temp Active Pump - Dry Run		
Low Temp Active Pump - Node Error		
Low Temp Active Pump - Response Error		
Low Temp Active Pump - Deblocking		
Low Temp Active Pump - Fail Safe		
Hybrid System State		
CBC Wake-Up Input		
HCP ePT Wake-Up Output		
EPT LOC Diag Enable		
HV Contactor Status		
APM Status		
Impact Event		
HCP System Shutdown Command		
OBCM Operating Mode		
J1772 Prox Detected State		
Original Odometer Value		miles
Frequency Counter		
Real time clock		sec
Accelerator Pedal Position		%
Ignition Cycle Counter		
Engine Speed		rpm
RAM Stamps		Min
Most Recent Odometer Value		miles
HV Battery SOC		%
RAM stamps keyOn		sec
Vehicle Speed		MPH
Low Temp Active Pump - Current		AMP
Barometric Pressure		PSI
Low Temp Active Pump - Target Speed		rpm
Internal EPS Voltage Sense A		Volts
Low Temp Active Pump - Actual Speed		rpm
Low Temp Active Pump - Temperature		°F
Battery Feed Voltage 2 Sense		Volts
Battery Feed Voltage 3 Sense		Volts
Engine Coolant Temperature		°F
Internal EPS Voltage Sense B		Volts
Low Temp Active Pump - Voltage		Volts
Actual Torque - Motor A		Ft-Lbs
Battery Feed Voltage 1 Sense		Volts

Available Motor Torque - Motor B		Ft-Lbs
Commanded Torque - Motor A		Ft-Lbs
Commanded Torque - Motor B		Ft-Lbs
Available Regen Torque - Motor A		Ft-Lbs
Actual Torque - Motor B		Ft-Lbs
Motor A - Inverter Current - phase A		AMP
Available Motor Torque - Motor A		Ft-Lbs
Motor B - Inverter Current - phase B		AMP
Motor B - Inverter Current - phase C		AMP
Motor A - Inverter Current - phase C		AMP
Available Regen Torque - Motor B		Ft-Lbs
Motor B Resolver Angle		Degree
Motor A - Inverter Current - phase B		AMP
Motor A Resolver Angle		Degree
PIM DC Link Voltage - B		Volts
Electric Motor B Speed		rpm
Outside Air Temperature		°F
Motor B - Inverter Current - phase A		AMP
Motor A Temp Sensor		°F
Motor B Temp Sensor		°F
PIM DC Link Voltage - A		Volts
Inverter B IGBT Temperature for phase A		°F
Inverter A IGBT Temperature for phase B		°F
Inverter B IGBT Temperature for phase B		°F
Inverter B IGBT Temperature for phase C		°F
Motor B Torque		Ft-Lbs
Inverter A IGBT Temperature for phase C		°F
Distance Travelled with Light ON		miles
HV Battery Voltage from BPCM		Volts
Electric Motor A Speed		rpm
GPS Date - Year		Year
Inverter A IGBT Temperature for phase A		°F
Motor A Torque		Ft-Lbs
UTC Time - Hours		Hours
UTC Time - Minutes		
HV Battery Sleep Time		Days
UTC Time - Seconds		seconds
GPS Date - Day		Days
GPS Date - Month		
ECU Time - Milliseconds		ms

HCP | P0CD6-00 | Active | Hybrid Battery Pack Coolant Outlet Temperature Sensor Circuit Range/Performance-

NAME	VALUE	UNITS
DTC	0C D6 00	

Test Failed	True	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Confirmed DTC	False	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Occurrence flag		
Warning Indicator Requested	False	
Brake Switch Status		
PHEV Charging Status		
Ignition State		
PRND Position Display		
Propulsion System Active		
Thermal System Enable State		
High Temperature Shut-Off Valve Status		
Front Refrigerant Shut-Off Valve Status		
Chiller Shut-Off Valve Status		
Hybrid System State		
CBC Wake-Up Input		
EPT LOC Diag Enable		
HV Contactor Status		
APM Status		
Impact Event		
HCP System Shutdown Command		
OBCM Operating Mode		
J1772 Prox Detected State		
Original Odometer Value		miles
Most Recent Odometer Value		miles
Frequency Counter		
Ignition Cycle Counter		
Real time clock		sec
RAM stamps keyOn		sec
Accelerator Pedal Position		%
RAM Stamps		Min
Engine Speed		rpm
HV Battery SOC		%
Vehicle Speed		MPH
Engine Coolant Temperature		°F
Barometric Pressure		PSI
A/C Refrigerant Pressure		PSI
Passive Pump Coolant Temp In Sensor		°F
Electric Coolant Heater Temp Sensor		°F
Heater Core Coolant Temp Sensor		°F

Motor A Temp Sensor		°F
Outside Air Temperature		°F
EAC Compressor Speed		rpm
High Temp Cabin Valve Feedback		degrees
Motor B Temp Sensor		°F
Radiator Fan Duty Cycle		%
HV Coolant Heater - Measured Coolant Inlet Temp		°F
HV Coolant Heater - Measured Coolant Outlet Temp		°F
Low Temp Passive Pump - Temperature		°F
Low Temp Active Pump - Temperature		°F
Battery Feed Voltage 3 Sense		Volts
Internal EPS Voltage Sense A		Volts
Battery Feed Voltage 2 Sense		Volts
Internal EPS Voltage Sense B		Volts
Battery Feed Voltage 1 Sense		Volts
Actual Torque - Motor B		Ft-Lbs
Available Motor Torque - Motor A		Ft-Lbs
Available Regen Torque - Motor A		Ft-Lbs
Available Motor Torque - Motor B		Ft-Lbs
Available Regen Torque - Motor B		Ft-Lbs
Commanded Torque - Motor A		Ft-Lbs
Commanded Torque - Motor B		Ft-Lbs
Motor A - Inverter Current - phase A		AMP
Motor A - Inverter Current - phase B		AMP
Motor A - Inverter Current - phase C		AMP
Motor B - Inverter Current - phase A		AMP
Motor B - Inverter Current - phase B		AMP
Motor A Resolver Angle		Degree
Motor B - Inverter Current - phase C		AMP
Motor B Resolver Angle		Degree
HV Battery Voltage from BPCM		Volts
Electric Motor A Speed		rpm
Electric Motor B Speed		rpm
PIM DC Link Voltage - A		Volts
PIM DC Link Voltage - B		Volts
Inverter A IGBT Temperature for phase A		°F
Inverter A IGBT Temperature for phase B		°F
Inverter A IGBT Temperature for phase C		°F
Inverter B IGBT Temperature for phase A		°F
Inverter B IGBT Temperature for phase B		°F
Inverter B IGBT Temperature for phase C		°F
Distance Travelled with Light ON		miles
Motor A Torque		Ft-Lbs
HV Battery Sleep Time		Days

Motor B Torque		Ft-Lbs
GPS Date - Year		Year
GPS Date - Month		
GPS Date - Day		Days
UTC Time - Hours		Hours
UTC Time - Minutes		
UTC Time - Seconds		seconds
ECU Time - Milliseconds		ms

HCP | P26A7-00 | Pending | Engine Coolant Bypass Valve 1 Position Sensor Circuit High-

NAME	VALUE	UNITS
DTC	26 A7 00	
Test Failed	False	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Test Not Completed Since Last Clear	False	
Confirmed DTC	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
Occurrence flag		
Brake Switch Status		
PHEV Charging Status		
Ignition State		
PRND Position Display		
Propulsion System Active		
Thermal System Enable State		
High Temperature Shut-Off Valve Status		
Front Refrigerant Shut-Off Valve Status		
Chiller Shut-Off Valve Status		
Hybrid System State		
CBC Wake-Up Input		
EPT LOC Diag Enable		
HV Contactor Status		
APM Status		
Impact Event		
HCP System Shutdown Command		
OBCM Operating Mode		
J1772 Prox Detected State		
Original Odometer Value		miles
Most Recent Odometer Value		miles
Ignition Cycle Counter		
Frequency Counter		
Real time clock		sec

RAM stamps keyOn		sec
RAM Stamps		Min
Accelerator Pedal Position		%
Engine Speed		rpm
HV Battery SOC		%
Vehicle Speed		MPH
Engine Coolant Temperature		°F
A/C Refrigerant Pressure		PSI
Barometric Pressure		PSI
Passive Pump Coolant Temp In Sensor		°F
Electric Coolant Heater Temp Sensor		°F
Heater Core Coolant Temp Sensor		°F
Motor A Temp Sensor		°F
Outside Air Temperature		°F
Motor B Temp Sensor		°F
EAC Compressor Speed		rpm
High Temp Cabin Valve Feedback		degrees
HV Coolant Heater - Measured Coolant Inlet Temp		°F
Radiator Fan Duty Cycle		%
HV Coolant Heater - Measured Coolant Outlet Temp		°F
Low Temp Passive Pump - Temperature		°F
Low Temp Active Pump - Temperature		°F
Battery Feed Voltage 2 Sense		Volts
Battery Feed Voltage 3 Sense		Volts
Internal EPS Voltage Sense A		Volts
Internal EPS Voltage Sense B		Volts
Battery Feed Voltage 1 Sense		Volts
Actual Torque - Motor B		Ft-Lbs
Available Motor Torque - Motor A		Ft-Lbs
Available Motor Torque - Motor B		Ft-Lbs
Available Regen Torque - Motor B		Ft-Lbs
Available Regen Torque - Motor A		Ft-Lbs
Commanded Torque - Motor A		Ft-Lbs
Commanded Torque - Motor B		Ft-Lbs
Motor A - Inverter Current - phase A		AMP
Motor A - Inverter Current - phase B		AMP
Motor A - Inverter Current - phase C		AMP
Motor B - Inverter Current - phase A		AMP
Motor B - Inverter Current - phase B		AMP
Motor B - Inverter Current - phase C		AMP
Motor A Resolver Angle		Degree
Motor B Resolver Angle		Degree
HV Battery Voltage from BPCM		Volts
Electric Motor A Speed		rpm

Electric Motor B Speed		rpm
PIM DC Link Voltage - B		Volts
PIM DC Link Voltage - A		Volts
Inverter A IGBT Temperature for phase B		°F
Inverter A IGBT Temperature for phase A		°F
Inverter A IGBT Temperature for phase C		°F
Inverter B IGBT Temperature for phase A		°F
Inverter B IGBT Temperature for phase B		°F
Inverter B IGBT Temperature for phase C		°F
Distance Travelled with Light ON		miles
Motor A Torque		Ft-Lbs
Motor B Torque		Ft-Lbs
GPS Date - Year		Year
HV Battery Sleep Time		Days
GPS Date - Month		
GPS Date - Day		Days
UTC Time - Hours		Hours
UTC Time - Minutes		
UTC Time - Seconds		seconds
ECU Time - Milliseconds		ms

HCP | U0100-00 | Stored | Lost Communication With ECM/PCM "A"-

NAME	VALUE	UNITS
DTC	C1 00 00	
Test Failed	False	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Not Completed This Operation Cycle	False	
Test Failed Since Last Clear	True	
Warning Indicator Requested	True	
Occurrence flag	Occurrence	
Brake Switch Status	Not Applied	
Ignition State	Reserved	
PRND Position Display	P	
Propulsion System Active	False	
HCP ePT Wake-Up Output	On	
CBC Wake-Up Input	Off	
HCP System Shutdown Command	Default	
SW Build Release Version	PIM_21B_2007B0_RU_HCP___	
HCP SW Version	21B	
EPT LOC Diag Enable	Enable LOC Diagnostic	
HV Contactor Status	Closed	

APM Status	Idle	
Impact Event	False	
OBCM Operating Mode	UTC	
J1772 Prox Detected State	Prox Out	
Hybrid System State	SNA	
PHEV Charging Status	No Charging	
Original Odometer Value	383.2	miles
Most Recent Odometer Value	383.6	miles
Frequency Counter	114	
Ignition Cycle Counter	0	
Real time clock	10497322	sec
RAM stamps keyOn	2070	sec
RAM Stamps	5196	Min
Accelerator Pedal Position	0	%
Engine Speed	0	rpm
HV Battery SOC	24	%
Vehicle Speed	0.0000	MPH
Motor A Temp Sensor	75	°F
Motor B Temp Sensor	73	°F
Barometric Pressure	15	PSI
Engine Coolant Temperature	176	°F
Internal EPS Voltage Sense A	8.208	Volts
Internal EPS Voltage Sense B	8.136	Volts
Motor A Torque	0.000	Ft-Lbs
Motor B Torque	0.000	Ft-Lbs
Actual Torque - Motor A	0.000	Ft-Lbs
Available Motor Torque - Motor A	87.205	Ft-Lbs
Actual Torque - Motor B	0.000	Ft-Lbs
Available Motor Torque - Motor B	232.301	Ft-Lbs
Available Regen Torque - Motor A	-87.205	Ft-Lbs
Available Regen Torque - Motor B	-232.301	Ft-Lbs
Commanded Torque - Motor A	0.000	Ft-Lbs
Commanded Torque - Motor B	0.000	Ft-Lbs
Motor A - Inverter Current - phase A	-4	AMP
Motor A - Inverter Current - phase B	-4	AMP
Motor A - Inverter Current - phase C	-4	AMP
Motor B - Inverter Current - phase A	-4	AMP
Motor B - Inverter Current - phase C	-4	AMP
Motor B - Inverter Current - phase B	0	AMP
Motor B Resolver Angle	18	Degree
Motor A Resolver Angle	164	Degree
Electric Motor B Speed	0.0	rpm
PIM DC Link Voltage - A	342	Volts
Electric Motor A Speed	0.5	rpm

PIM DC Link Voltage - B	343	Volts
HV Battery Voltage from BPCM	342.60	Volts
HV Battery Sleep Time	0	Days
Outside Air Temperature	68.0	°F
Battery Feed Voltage 1 Sense	12.024	Volts
Battery Feed Voltage 2 Sense	0.072	Volts
Battery Feed Voltage 3 Sense	0.072	Volts
Inverter A IGBT Temperature for phase A	95	°F
Inverter A IGBT Temperature for phase B	97	°F
Inverter A IGBT Temperature for phase C	97	°F
Inverter B IGBT Temperature for phase B	97	°F
Inverter B IGBT Temperature for phase A	95	°F
Inverter B IGBT Temperature for phase C	95	°F
Distance Travelled with Light ON	0	miles
GPS Date - Year	2021	Year
GPS Date - Month	4	
GPS Date - Day	5	Days
UTC Time - Hours	17	Hours
UTC Time - Minutes	12	
UTC Time - Seconds	0	seconds
ECU Time - Milliseconds	593	ms

HCP | U0111-00 | Stored | Lost Communication With Battery Energy Control Module-

NAME	VALUE	UNITS
DTC	C1 11 00	
Test Failed	False	
Test Failed This Operation Cycle	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	True	
Occurrence flag	Occurrence	
Brake Switch Status	Not Applied	
Ignition State	Reserved	
PRND Position Display	P	
Propulsion System Active	False	
HCP ePT Wake-Up Output	On	
CBC Wake-Up Input	Off	
HCP System Shutdown Command	Default	
SW Build Release Version	PIM_21B_2007B0_RU_HCP___	
HCP SW Version	21B	
EPT LOC Diag Enable	Enable LOC Diagnostic	

HV Contactor Status	Closed	
APM Status	Idle	
Impact Event	False	
OBCM Operating Mode	UTC	
J1772 Prox Detected State	Prox Out	
Hybrid System State	SNA	
PHEV Charging Status	No Charging	
Original Odometer Value	383.6	miles
Frequency Counter	1	
Most Recent Odometer Value	383.6	miles
Ignition Cycle Counter	0	
Real time clock	10497322	sec
RAM stamps keyOn	2100	sec
RAM Stamps	5196	Min
Accelerator Pedal Position	0	%
Engine Speed	0	rpm
HV Battery SOC	24	%
Vehicle Speed	0.0000	MPH
Motor A Temp Sensor	75	°F
Motor B Temp Sensor	73	°F
Barometric Pressure	14	PSI
Engine Coolant Temperature	91	°F
Internal EPS Voltage Sense A	8.208	Volts
Internal EPS Voltage Sense B	8.136	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 B	232.301	Ft-Lbs
Available Motor Torque - Motor A	87.205	Ft-Lbs
Available Regen Torque - Motor A	-87.205	Ft-Lbs
Available Regen Torque - Motor B	-232.301	Ft-Lbs
Commanded Torque - Motor A	0.000	Ft-Lbs
Commanded Torque - Motor B	0.000	Ft-Lbs
Motor A - Inverter Current - phase A	-4	AMP
Motor A - Inverter Current - phase B	-4	AMP
Motor A - Inverter Current - phase C	0	AMP
Motor B - Inverter Current - phase A	0	AMP
Motor B - Inverter Current - phase B	-4	AMP
Motor B - Inverter Current - phase C	-4	AMP
Motor B Resolver Angle	18	Degree
Motor A Resolver Angle	164	Degree
Electric Motor A Speed	0.5	rpm
Electric Motor B Speed	0.0	rpm

PIM DC Link Voltage - A	342	Volts
PIM DC Link Voltage - B	343	Volts
HV Battery Voltage from BPCM	342.60	Volts
Outside Air Temperature	69.8	°F
HV Battery Sleep Time	0	Days
Battery Feed Voltage 1 Sense	12.096	Volts
Battery Feed Voltage 2 Sense	11.808	Volts
Inverter A IGBT Temperature for phase A	95	°F
Battery Feed Voltage 3 Sense	11.808	Volts
Inverter A IGBT Temperature for phase B	97	°F
Inverter A IGBT Temperature for phase C	95	°F
Inverter B IGBT Temperature for phase A	95	°F
Inverter B IGBT Temperature for phase B	97	°F
Inverter B IGBT Temperature for phase C	95	°F
GPS Date - Month	4	
GPS Date - Year	2021	Year
Distance Travelled with Light ON	0	miles
GPS Date - Day	5	Days
UTC Time - Minutes	12	
UTC Time - Hours	17	Hours
UTC Time - Seconds	0	seconds
ECU Time - Milliseconds	494	ms

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

NAME	VALUE	UNITS
DTC	C1 51 00	
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Test Not Completed Since Last Clear	False	
Confirmed DTC	True	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
Occurrence flag	Occurrence	
Brake Switch Status	Not Applied	
Ignition State	Ignition Off/ACC	
PRND Position Display	P	
Propulsion System Active	False	
HCP ePT Wake-Up Output	On	
CBC Wake-Up Input	On	
HCP System Shutdown Command	Default	
SW Build Release Version	PIM_21B_2007B0_RU_HCP___	
EPT LOC Diag Enable	Enable LOC Diagnostic	

HCP SW Version	21B	
HV Contactor Status	Closed	
APM Status	Idle	
Impact Event	False	
OBCM Operating Mode	UTC	
J1772 Prox Detected State	Prox Out	
Hybrid System State	High Voltage Enabled	
PHEV Charging Status	No Charging	
Original Odometer Value	383.2	miles
Most Recent Odometer Value	383.3	miles
Ignition Cycle Counter	0	
Frequency Counter	7	
Real time clock	10161266	sec
RAM stamps keyOn	15	sec
RAM Stamps	5067	Min
Accelerator Pedal Position	0	%
Engine Speed	0	rpm
HV Battery SOC	24	%
Vehicle Speed	0.0000	MPH
Motor A Temp Sensor	142	°F
Motor B Temp Sensor	144	°F
Barometric Pressure	15	PSI
Engine Coolant Temperature	176	°F
Internal EPS Voltage Sense A	8.208	Volts
Internal EPS Voltage Sense B	8.136	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	0	AMP
Motor B - Inverter Current - phase C	-4	AMP
Motor B Resolver Angle	318	Degree
Motor A Resolver Angle	120	Degree
Electric Motor A Speed	0.0	rpm

Electric Motor B Speed	0.0	rpm
PIM DC Link Voltage - B	342	Volts
PIM DC Link Voltage - A	341	Volts
HV Battery Voltage from BPCM	341.70	Volts
Outside Air Temperature	167.0	°F
HV Battery Sleep Time	0	Days
Battery Feed Voltage 1 Sense	12.456	Volts
Battery Feed Voltage 3 Sense	12.528	Volts
Battery Feed Voltage 2 Sense	12.528	Volts
Inverter A IGBT Temperature for phase A	133	°F
Inverter A IGBT Temperature for phase B	133	°F
Inverter A IGBT Temperature for phase C	133	°F
Inverter B IGBT Temperature for phase A	133	°F
Inverter B IGBT Temperature for phase B	133	°F
Inverter B IGBT Temperature for phase C	131	°F
Distance Travelled with Light ON	0	miles
GPS Date - Year	2021	Year
GPS Date - Month	4	
GPS Date - Day	1	Days
UTC Time - Hours	19	Hours
UTC Time - Minutes	45	
UTC Time - Seconds	0	seconds
ECU Time - Milliseconds	788	ms

HCP | U016B-00 | Pending | Lost Communication With A/C Compressor "A" Control Module-

NAME	VALUE	UNITS
DTC	C1 6B 00	
Test Failed This Operation Cycle	True	
Test Failed	False	
Pending DTC	True	
Confirmed DTC	False	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Warning Indicator Requested	False	
Occurrence flag		
Test Not Completed This Operation Cycle	False	
Brake Switch Status		
PHEV Charging Status		
Ignition State		
PRND Position Display		
Propulsion System Active		
Thermal System Enable State		
High Temperature Shut-Off Valve Status		
Front Refrigerant Shut-Off Valve Status		

Chiller Shut-Off Valve Status		
Hybrid System State		
EPT LOC Diag Enable		
CBC Wake-Up Input		
HV Contactor Status		
APM Status		
Impact Event		
HCP System Shutdown Command		
OBCM Operating Mode		
J1772 Prox Detected State		
Original Odometer Value		miles
Most Recent Odometer Value		miles
Ignition Cycle Counter		
Frequency Counter		
Real time clock		sec
RAM stamps keyOn		sec
RAM Stamps		Min
Accelerator Pedal Position		%
Engine Speed		rpm
HV Battery SOC		%
Vehicle Speed		MPH
Barometric Pressure		PSI
A/C Refrigerant Pressure		PSI
Engine Coolant Temperature		°F
Passive Pump Coolant Temp In Sensor		°F
Electric Coolant Heater Temp Sensor		°F
Heater Core Coolant Temp Sensor		°F
Motor A Temp Sensor		°F
Motor B Temp Sensor		°F
EAC Compressor Speed		rpm
Outside Air Temperature		°F
High Temp Cabin Valve Feedback		degrees
Radiator Fan Duty Cycle		%
HV Coolant Heater - Measured Coolant Inlet Temp		°F
Low Temp Passive Pump - Temperature		°F
Low Temp Active Pump - Temperature		°F
HV Coolant Heater - Measured Coolant Outlet Temp		°F
Battery Feed Voltage 3 Sense		Volts
Battery Feed Voltage 2 Sense		Volts
Internal EPS Voltage Sense A		Volts
Internal EPS Voltage Sense B		Volts
Battery Feed Voltage 1 Sense		Volts
Actual Torque - Motor B		Ft-Lbs
Available Motor Torque - Motor A		Ft-Lbs

Available Motor Torque - Motor B		Ft-Lbs
Available Regen Torque - Motor A		Ft-Lbs
Available Regen Torque - Motor B		Ft-Lbs
Commanded Torque - Motor A		Ft-Lbs
Commanded Torque - Motor B		Ft-Lbs
Motor A - Inverter Current - phase A		AMP
Motor A - Inverter Current - phase B		AMP
Motor A - Inverter Current - phase C		AMP
Motor B - Inverter Current - phase A		AMP
Motor B - Inverter Current - phase B		AMP
Motor B - Inverter Current - phase C		AMP
Motor B Resolver Angle		Degree
Motor A Resolver Angle		Degree
HV Battery Voltage from BPCM		Volts
Electric Motor A Speed		rpm
Electric Motor B Speed		rpm
PIM DC Link Voltage - A		Volts
PIM DC Link Voltage - B		Volts
Inverter A IGBT Temperature for phase A		°F
Inverter A IGBT Temperature for phase B		°F
Inverter A IGBT Temperature for phase C		°F
Inverter B IGBT Temperature for phase A		°F
Inverter B IGBT Temperature for phase C		°F
Inverter B IGBT Temperature for phase B		°F
Distance Travelled with Light ON		miles
Motor A Torque		Ft-Lbs
Motor B Torque		Ft-Lbs
HV Battery Sleep Time		Days
GPS Date - Year		Year
GPS Date - Month		
UTC Time - Hours		Hours
GPS Date - Day		Days
UTC Time - Minutes		
ECU Time - Milliseconds		ms
UTC Time - Seconds		seconds

HCP | U0293-00 | Pending | Lost Communication with Hybrid Control Module "A"-

NAME	VALUE	UNITS
DTC	C2 93 00	
Pending DTC	True	
Confirmed DTC	False	
Test Not Completed This Operation Cycle	False	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	

Test Failed	False	
Test Failed This Operation Cycle	True	
DTC Extended Data Record Number		
Occurrence flag		
Warning Indicator Requested	False	
Brake Switch Status		
Ignition State		
PRND Position Display		
Propulsion System Active		
HVIL Sense Input State		
SW Build Release Version		
CBC Wake-Up Input		
HCP ePT Wake-Up Output		
Hybrid System State		
EPT LOC Diag Enable		
Impact Event		
No Charging Reasons		
HCP SW Version		
HCP Commanded OBCM Mode		
OBCM Operating Mode		
J1772 Prox Detected State		
HCP J1772 S2 Close Command		
OBCM J1772 S2 Status		
HCP Command to Enable Charging		
J1772 Pilot Detected State		
HCP Charging System Fault		
HCP Charging System Status		
OBCM Derating Reason		
DC Voltage Not Detected		
AC Voltage Detected		
HCP Charging Fault Reason		
OBCM Ready to Charge		
HCP Charging Level		
HV Battery Contactor State		
HV Contactor Status		
PHEV Charging Status		
HCP System Shutdown Command		
APM Status		
Original Odometer Value		miles
RAM stamps keyOn		sec
Most Recent Odometer Value		miles
Ignition Cycle Counter		
RAM Stamps		Min
Real time clock		sec

Engine Speed		rpm
Barometric Pressure		PSI
Frequency Counter		
Accelerator Pedal Position		%
Engine Coolant Temperature		°F
Internal EPS Voltage Sense B		Volts
Internal EPS Voltage Sense A		Volts
Battery Feed Voltage 2 Sense		Volts
Maximum Charge Current Allowed		Amps
Vehicle Speed		MPH
Outside Air Temperature		°F
AC Voltage for Charging		Volts
CAN Overrun Counter		Number
HCP Charging Voltage Command		Volts
Maximum EVSE Current Available		AMP
HCP Charging Current Command		AMP
OBCM Charging Power		KW-Hrs
OBCM Module B Max Temperature		°F
AC Current During Charging		Amps
OBCM Accumulated Charging Time		hrs
Charge Current Available		AMP
HV Battery Actual Current		AMP
HV Battery Pump Current		AMP
Radiator Fan Command		%
OBCM Module A Max Temperature		°F
Max Cell Voltage		Volts
HV Battery Min Cell Voltage		Volts
OBCM Module B PCB Temperature		°F
HV Battery Outlet Temperature		°F
Min Cell Temperature		°F
DC Charging Current		Amps
Max Cell Temperature		°F
OBCM Module A PCB Temperature		°F
HV Battery Inlet Temperature		°F
HV Battery Sleep Time		Days
OBCM Charging Voltage		Volts
Battery Feed Voltage 1 Sense		Volts
Battery Feed Voltage 3 Sense		Volts
Actual Torque - Motor A		Ft-Lbs
Available Motor Torque - Motor B		Ft-Lbs
Available Regen Torque - Motor A		Ft-Lbs
Available Regen Torque - Motor B		Ft-Lbs
Available Motor Torque - Motor A		Ft-Lbs
Actual Torque - Motor B		Ft-Lbs

Motor B - Inverter Current - phase B		AMP
Commanded Torque - Motor A		Ft-Lbs
HV Battery SOC		%
Motor B - Inverter Current - phase A		AMP
Motor A - Inverter Current - phase B		AMP
Motor A - Inverter Current - phase C		AMP
Motor A Resolver Angle		Degree
Motor B Temp Sensor		°F
Motor B - Inverter Current - phase C		AMP
Motor A Temp Sensor		°F
HV Battery Voltage from BPCM		Volts
Electric Motor B Speed		rpm
Motor B Resolver Angle		Degree
Electric Motor A Speed		rpm
PIM DC Link Voltage - B		Volts
Inverter A IGBT Temperature for phase B		°F
Commanded Torque - Motor B		Ft-Lbs
Motor A - Inverter Current - phase A		AMP
PIM DC Link Voltage - A		Volts
Inverter B IGBT Temperature for phase A		°F
Inverter A IGBT Temperature for phase A		°F
Inverter B IGBT Temperature for phase B		°F
Distance Travelled with Light ON		miles
Inverter A IGBT Temperature for phase C		°F
UTC Time - Hours		Hours
Motor A Torque		Ft-Lbs
GPS Date - Year		Year
Motor B Torque		Ft-Lbs
GPS Date - Day		Days
GPS Date - Month		
ECU Time - Milliseconds		ms
UTC Time - Minutes		
UTC Time - Seconds		seconds
Inverter B IGBT Temperature for phase C		°F

HCP | U0298-00 | Pending |

NAME	VALUE	UNITS

HCP | U11F8-00 | Pending |

NAME	VALUE	UNITS

HCP | U1818-00 | Stored | Lost Communication With ECM/PCM on D-PT CAN-

NAME	VALUE	UNITS
DTC	D8 18 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	True	
Occurrence flag	Occurrence	
Brake Switch Status	Not Applied	
Ignition State	Reserved	
PRND Position Display	P	
Propulsion System Active	False	
HCP ePT Wake-Up Output	On	
CBC Wake-Up Input	Off	
HCP System Shutdown Command	Default	
SW Build Release Version	PIM_21B_2007B0_RU_HCP___	
HCP SW Version	21B	
EPT LOC Diag Enable	Enable LOC Diagnostic	
HV Contactor Status	Closed	
APM Status	Idle	
Impact Event	False	
OBCM Operating Mode	UTC	
J1772 Prox Detected State	Prox Out	
Hybrid System State	SNA	
PHEV Charging Status	No Charging	
Original Odometer Value	383.2	miles
Most Recent Odometer Value	383.6	miles
Frequency Counter	4	
Ignition Cycle Counter	0	
Real time clock	10497322	sec
RAM stamps keyOn	2010	sec
RAM Stamps	5195	Min
Accelerator Pedal Position	0	%
Engine Speed	0	rpm
HV Battery SOC	24	%
Vehicle Speed	0.0000	MPH
Motor A Temp Sensor	75	°F
Motor B Temp Sensor	72	°F
Barometric Pressure	15	PSI
Engine Coolant Temperature	176	°F
Internal EPS Voltage Sense A	8.208	Volts
Internal EPS Voltage Sense B	8.136	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 B	-232.301	Ft-Lbs
Available Regen Torque - Motor A	-87.205	Ft-Lbs
Commanded Torque - Motor A	0.000	Ft-Lbs
Commanded Torque - Motor B	0.000	Ft-Lbs
Motor A - Inverter Current - phase A	0	AMP
Motor A - Inverter Current - phase B	0	AMP
Motor A - Inverter Current - phase C	-4	AMP
Motor B - Inverter Current - phase A	0	AMP
Motor B - Inverter Current - phase B	0	AMP
Motor B - Inverter Current - phase C	-4	AMP
Motor B Resolver Angle	18	Degree
Motor A Resolver Angle	164	Degree
Electric Motor A Speed	0.0	rpm
Electric Motor B Speed	0.0	rpm
PIM DC Link Voltage - A	342	Volts
PIM DC Link Voltage - B	343	Volts
HV Battery Voltage from BPCM	342.60	Volts
Outside Air Temperature	68.0	°F
HV Battery Sleep Time	0	Days
Battery Feed Voltage 1 Sense	12.096	Volts
Battery Feed Voltage 2 Sense	0.072	Volts
Battery Feed Voltage 3 Sense	0.072	Volts
Inverter A IGBT Temperature for phase B	99	°F
Inverter A IGBT Temperature for phase A	97	°F
Inverter A IGBT Temperature for phase C	99	°F
Inverter B IGBT Temperature for phase A	97	°F
Inverter B IGBT Temperature for phase B	99	°F
Inverter B IGBT Temperature for phase C	97	°F
GPS Date - Year	2021	Year
Distance Travelled with Light ON	0	miles
GPS Date - Month	4	
GPS Date - Day	5	Days
UTC Time - Hours	17	Hours
UTC Time - Minutes	10	
UTC Time - Seconds	1	seconds
ECU Time - Milliseconds	581	ms

HCP | U1830-00 | Stored | Lost Communication with ORC on D-PT-

NAME	VALUE	UNITS

DTC	D8 30 00	
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
Occurrence flag	Occurrence	
Brake Switch Status	Not Applied	
Ignition State	Reserved	
PRND Position Display	P	
Propulsion System Active	False	
HCP ePT Wake-Up Output	On	
CBC Wake-Up Input	On	
HCP System Shutdown Command	Default	
SW Build Release Version	PIM_21B_2007B0_RU_HCP___	
HCP SW Version	21B	
EPT LOC Diag Enable	Enable LOC Diagnostic	
HV Contactor Status	Closed	
APM Status	Idle	
Impact Event	False	
OBCM Operating Mode	UTC	
J1772 Prox Detected State	Prox Out	
Hybrid System State	High Voltage Enabled	
PHEV Charging Status	No Charging	
Original Odometer Value	383.2	miles
Most Recent Odometer Value	383.3	miles
Frequency Counter	10	
Ignition Cycle Counter	0	
Real time clock	10161270	sec
RAM stamps keyOn	15	sec
RAM Stamps	5067	Min
Accelerator Pedal Position	0	%
Engine Speed	0	rpm
HV Battery SOC	24	%
Vehicle Speed	0.0000	MPH
Motor A Temp Sensor	142	°F
Motor B Temp Sensor	144	°F
Barometric Pressure	15	PSI
Engine Coolant Temperature	176	°F
Internal EPS Voltage Sense A	8.208	Volts
Internal EPS Voltage Sense B	8.136	Volts

Motor B Torque	0.000	Ft-Lbs
Motor A Torque	0.000	Ft-Lbs
Actual Torque - Motor B	0.000	Ft-Lbs
Actual Torque - Motor A	0.000	Ft-Lbs
Available Motor Torque - Motor A	87.205	Ft-Lbs
Available Regen Torque - Motor A	-87.205	Ft-Lbs
Available Motor Torque - Motor B	232.301	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 C	-4	AMP
Motor A - Inverter Current - phase B	-4	AMP
Motor B - Inverter Current - phase A	-4	AMP
Motor B - Inverter Current - phase B	0	AMP
Motor B - Inverter Current - phase C	0	AMP
Motor B Resolver Angle	318	Degree
Motor A Resolver Angle	120	Degree
Electric Motor A Speed	0.0	rpm
Electric Motor B Speed	0.0	rpm
PIM DC Link Voltage - A	341	Volts
HV Battery Voltage from BPCM	341.60	Volts
Outside Air Temperature	167.0	°F
HV Battery Sleep Time	0	Days
PIM DC Link Voltage - B	342	Volts
Battery Feed Voltage 1 Sense	12.528	Volts
Battery Feed Voltage 2 Sense	12.528	Volts
Battery Feed Voltage 3 Sense	12.528	Volts
Inverter A IGBT Temperature for phase A	133	°F
Inverter A IGBT Temperature for phase B	133	°F
Inverter A IGBT Temperature for phase C	133	°F
Inverter B IGBT Temperature for phase A	133	°F
Inverter B IGBT Temperature for phase B	133	°F
Inverter B IGBT Temperature for phase C	131	°F
Distance Travelled with Light ON	0	miles
GPS Date - Year	2021	Year
GPS Date - Month	4	
GPS Date - Day	1	Days
UTC Time - Hours	19	Hours
UTC Time - Seconds	0	seconds
UTC Time - Minutes	45	
ECU Time - Milliseconds	13	ms

OBCM | U0293-00 | Stored | Lost Communication with Hybrid Control Module "A"-

NAME	VALUE	UNITS
Pending DTC	True	
DTC	C2 93 00	
Test Failed	False	
Test Not Completed Since Last Clear	False	
Test Not Completed This Operation Cycle	False	
Test Failed This Operation Cycle	True	
DTC Extended Data Record Number - All	01	
Warning Indicator Requested	False	
Test Failed Since Last Clear	True	
Confirmed DTC	True	
Occurrence flag	Error	
DTC Extended Data Record Number - Record #2	2C	
AC Line Low	Valid	
OBCM Status AC Present	AC Not OK	
AC Line High	Not Valid	
Battery Not Detected	False	
Battery Voltage Under Min	Not Valid	
Battery Voltage Over Max	Not Valid	
HV OC	False	
HV OV	False	
NTC2 OT	False	
NTC1 OT	False	
NTC4 OT	False	
NTC3 OT	False	
J1772 S2 Status	Open	
J1772 Stat	Veh Not Connected	
J1772 S2 Close	Open	
EVSE Pilot Stat	NO EVSE	
OBCM Charger Ready	Off	
Charge Enable Status	Chrg Disable	
OBCM Mode	UTC	
HCP (EVCU) Enable Charge Command	Charge disable	
HCP (EVCU) Shutdown Command	EVCU Operational	
Generic Fail Sts	No Functional Fail Present	
Prox Stat	Prox Out	
OBCM Wake Up Reason	Master Wake Up	
HCP (EVCU) OBC Mode Request	Idle	
OBCM WU Status	Off	
OBC Control Mth	Current	
Chrg Mode	Charge Mode	
OBCM Deraing Reason	AC Voltage Limit Derating	
Close Chrgr Cntctr	Open	
OBCM Fault Reason	No Faults detected	

Chrgr Cntctr Stat	Closed	
Chrg Fail Sts	No Faults detected	
OBCM - HV Over Voltage Protect	False	
OBCM - LV Aux Under Voltage Protect	False	
OBCM - LV Aux Over Voltage Protect	False	
OBCM - LLC Over Voltage Protect	False	
OBCM - LLC Under Voltage Protect	False	
OBCM - Battery 12V Over Voltage Protect	False	
OBCM - AC Under Voltage Protect	False	
OBCM - PFC Under Voltage Protect	False	
OBCM - PFC Over Voltage Protect	False	
OBCM - AC Over Current Protect	False	
OBCM - Battery 12V Under Voltage Protect	False	
OBCM - HV Voltage Over MaxCal Protect	False	
OBCM - Over Temperature Protect	False	
OBCM - Internal Memory Fault	False	
OBCM - AC Over Voltage Protect	False	
OBCM - HV Over Current Protect	False	
OBCM - Power Stage Over Voltage Protect	False	
OBCM - Loss BPCM Communication Protect	False	
OBCM - HCP Loss of Communication Protect	True	
OBCM - Prox Range To High	False	
OBCM - Pilot Duty Fault	False	
OBCM - Pilot Short To Battery	False	
OBCM - CAN Bus Off	False	
OBCM - HV Voltage Under MinCal Protect	False	
OBCM - WakeUp Output Stuck Low	False	
OBCM - WakeUp Output Stuck High	False	
OBCM - SPI Communication Fault	False	
OBCM - Secondary Aux Over Voltage Protect	False	
OBCM - ORC Loss of Communication	False	
OBCM - HV Battery Not Contact	False	
OBCM - Prox Range To Low	False	
OBCM - Secondary Aux Under Voltage Protect	False	
OBCM - Receive HV Battery Contact Open From BPCM	False	
OBCM - Loss Communication Protect	False	
OBCM - Cycle Shutdown	False	
OBCM - HV Under Voltage Protect	False	
OBCM - Vehicle Impact	False	
OBCM - ARC/CRC Fault	False	
OBCM - Primary Aux Over Voltage Protect	False	
OBCM - Stuck Shutdown	False	
OBCM - Primary Aux Under Voltage Protect	False	
OBCM - Internal S2 Switch Low Fault	False	

OBCM - Internal S2 Switch High Fault	False	
Prox open fault	False	
OBCM - AC Contact Welded Fault	False	
Control Pilot Open fault	False	
OBCM - Prox Range Fault	False	
HCP stuck High fault	False	
Plant mode flag	False	
Retry fault flag	False	
Loss SBC communcation (SPI)	False	
HCP stuck low fault	False	
pilot signal wake up issue becase of EVSE	False	
force shutdown fault	False	
OBCM - Pilot Range Fault	False	
pilto input short to battery fault in Driver mode detecting	False	
pilot short to ground fault in driver mode detecting	False	
Charging ready line open fault	False	
Pilot frequency range fault	False	
pilot input short to ground fault	False	
OBCM - Internal S2 Switch High Fault in Driver mode detecting	False	
Module A Primary - AC Under Voltage Protect	False	
Module A Primary - LLC Enable States	False	
Module A Primary - PFC Hot Warning	False	
Module A Primary - PFC Power Limit	True	
Module A Primary - LLC Over Temperature Protect	False	
Module A Primary - PFC Enable States	False	
Module A Primary - PFC Over Temperature 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 - Relay Enable States	False	
Module A Primary - LLC Hot Warning	False	
Module A Primary - AC Over Voltage Protect	True	
Module A Primary - Secondary Micro Enable Command	False	
Module A Primary - PFC Under Voltage Protect	False	
Module A Primary - Standby Mode	True	
Module A Secondary - Aux Enable States	True	
Module A Primary - Loss Communication Protect	False	
Module A Primary - AC Vin Lost	True	
Module A Primary - Aux Over Voltage Protect	False	
Module A Primary - Shutdown Mode	False	
Module A Primary - Operate Mode	False	
Module A Secondary - LLC Over Voltage Protect	False	
Module A Secondary - HV Enable States	False	
Module A Secondary - HV Over Temperature Protect	False	

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

Module B Primary - Secondary Micro Enable Command	False	
Module B Primary - Aux Under Voltage Protect	False	
Module B Primary - PFC Power Limit	True	
Module B Primary - Aux Over Voltage Protect	False	
Module B Primary - LLC Enable States	False	
Module B Primary - Standby Mode	True	
Module B Secondary - Aux Enable States	True	
Module B Secondary - LLC Under Voltage Protect	False	
Module B Primary - Shutdown Mode	False	
Module B Primary - Loss Communication Protect	False	
Module B Primary - AC Present	False	
Module B Primary - Operate Mode	False	
Module B Primary - AC Vin Lost	True	
Module B Secondary - Over Temperature Protect	False	
Module B Secondary - HV Over Voltage Protect	False	
Module B Secondary - HV Over Current Protect	False	
Module B Secondary - LLC Over Voltage Protect	False	
Module B Secondary - HV Enable States	False	
Module B Secondary - Ambient Hot Warning	False	
Module B Secondary - HV Hot Warning	False	
Module B Secondary - Ambient Over Temperature Protect	False	
Module B Secondary - Hot Warning	False	
Module B Secondary - LV Micro Enable Command	False	
Module B Secondary - Loss LV Communication Protect	False	
Module B Secondary - Aux Over Voltage Protect	False	
Module B Secondary - Primary Shutdown States	False	
Module B Secondary - HV Over Temperature Protect	False	
Module B Secondary - HV Under Voltage Protect	False	
Module B Secondary - Loss Primary Communication Protect	False	
Module B Secondary - Operate Mode	False	
Module B Secondary - PFC High Temperature Derating	False	
Module B Secondary - Aux Under Voltage Protect	False	
Module B Secondary - LLC High Temperature Derating	False	
Module B Secondary - Primary Turn On States	False	
Module B Secondary - Shutdown Mode	False	
Module B Secondary - PFC Low Temperature Derating	False	
Module B Secondary - LV Micro Disable Command	True	
Module B Secondary - Ambient High Temperature Derating	False	
SBC State_DF80	00	
Module B Secondary - Standby Mode	True	
SBC State_E100	00	
SBC State_DF00	00	
Module B Secondary - HV Output Voltage Derating	False	
Module B Secondary - AC Input Voltage Derating	True	

SBC State_E580	00	
BPCM HV Battery Contactor Open	False	
Module B Secondary - HV High Temperature Derating	False	
CANSIP Bus Off	False	
SBC Bus Off	False	
Module B Secondary - Ambient Low Temperature Derating	False	
EPT LOC Diag Enable	Enable LOC Diagnostic	
Module B Secondary - LLC Low Temperature Derating	False	
HCP Shutdown Command	No Shutdown	
HV Battey Contactor Open	False	
HV Contactor Status	Open	
Module B Secondary - HV Low Temperature Derating	False	
SBC State_E180	88	
BPCM Request for HV Contactor	False	
SBC State_E300	00	
SBC State_E500	00	
Original Odometer Value	378	miles
Ignition Cycle Counter	1	
Most Recent Odometer Value	378	miles
AC Side Volt	2.0	Volts
AC Side Current	0.50	Amps
HCP (EVCU) AC Current Max Cal	-0.50	Amps
Frequency Counter	1	
HCP (EVCU) Current Request	0.00	AMP
HCP (EVCU) Voltage Request	0	Volts
Battery Side Current	0.30	Amps
Battery Side Voltage	159.8	Volts
OBCM Temperature 2	88	°F
HCP (EVCU) HV Volt Min Cal	244	Volt
HCP (EVCU) HV Current Max Cal	-12.00	Amps
OBCM Temperature 3	72	°F
J1772 ICA	0	AMP
Control Pilot Frequency	1024	Hz
OBCM Temperature 1	86	°F
OBCM Temperature 4	68	°F
HCP (EVCU) HV Volt Max Cal	152	Volt
Control Pilot Duty Cycle	0.00	%
Control Pilot Amplitude	7.517	Volts
Prox Voltage	4.465	Volt
OBC Idle Tml	3	hrs
Watt-Hours of AC Power	0	W-Hrs
Watt Hours of Charge the HV Bus	0	W-Hrs
External OBCM Inlet Temperature (CAN)	-40	°F
Module A Primary - PFC Temperature	70	°F

Module A Secondary - Buck Temperature	68	°F
Module A Primary - LLC Temperature	70	°F
Module A Primary - AC Side Volt	1.9	Volts
Module A Primary - AC Side Current	-24.70	Amps
Module A Secondary - Battery Side Current	-24.80	Amps
Module A Secondary - Ambient Temperature	88	°F
Module A Secondary - Battery Side Voltage	159.9	Volts
Module B Secondary - Battery Side Current	-24.90	Amps
Module B Primary - LLC Temperature	73	°F
Module B Primary - PFC Temperature	73	°F
Module A Secondary - Buck Output Voltage	0.1	Volts
Module B Secondary - Buck Output Voltage	0.1	Volts
Module B Primary - AC Side Volt	2.1	Volts
Module B Secondary - Battery Side Voltage	159.7	Volts
Module B Primary - AC Side Current	-24.80	Amps
Module B Secondary - Buck Temperature	72	°F
OBCM Charge Current Available	0.00	AMP
OBC Charge Tml	1617	hrs
Module B Secondary - Ambient Temperature	86	°F
OBC Idle Time	0	sec
Ignition on Time for DTC	0	sec
OBC Charge Time	0	sec

DSM | U0140-00 | Stored | Lost Communication With Body Control Module-

NAME	VALUE	UNITS
DTC	C1 40 00	
Test Failed	False	
Confirmed DTC	True	
Test Failed This Operation Cycle	False	
Test Not Completed Since Last Clear	False	
Occurrence flag	Occurrence	
DTC Extended Data Record Number - All	01	
Test Failed Since Last Clear	True	
Pending DTC	False	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
Original Odometer Value	378	miles
Most Recent Odometer Value	378	miles
Frequency Counter	4	
Ignition Cycle Counter	1	

VRM | U0422-00 | Stored | Implausible Data Received From Body Control Module-

NAME	VALUE	UNITS
Test Failed This Operation Cycle	True	

DTC	C4 22 00	
Pending DTC	False	
Test Failed	False	
Test Not Completed Since Last Clear	False	
Confirmed DTC	True	
Test Not Completed This Operation Cycle	False	
Test Failed Since Last Clear	True	
Warning Indicator Requested	False	
DTC Extended Data Record Number - All	01	
Occurrence flag	Error	
Most Recent Odometer Value	378	miles
Frequency Counter	4	
Original Odometer Value	378	miles
Ignition Cycle Counter	1	

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

NAME	VALUE	UNITS
DTC	95 AD 00	
Test Failed This Operation Cycle	False	
Test Failed	False	
Confirmed DTC	True	
Pending DTC	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Test Not Completed Since Last Clear	False	
DTC Extended Data Record Number - All	01	
Warning Indicator Requested	False	
Occurrence flag	Error	
Most Recent Odometer Value	368	miles
Original Odometer Value	368	miles
Ignition Cycle Counter	29	
Frequency Counter	1	

CVPM | B23C5-92 | Stored | Front Camera-Performance or Incorrect Operation

NAME	VALUE	UNITS
DTC	A3 C5 92	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Failed	False	
Confirmed DTC	True	
Pending DTC	False	
Test Failed This Operation Cycle	False	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	

Occurrence flag	Error	
DTC Extended Data Record Number - All	01	
ECU Failure – Internal Voltage	Off	
ECU Failure – Watchdog Error	Off	
ECU Failure – Video Subsystem Error	Off	
Calibration Failure - Calibration not Executed	Off	
ECU Failure – ECU Memory	Off	
Calibration Failure - Calibration Data Inconsistent	Off	
ECU Failure – Internal Communication Error	Off	
Steering Wheel Angle Status	Steering Wheel Status: Okay	
Rear Left Door Ajar	Inactive	
Ignition Status	Ignition Status: Running	
Passenger Door Ajar	Inactive	
Driver Door Ajar	Inactive	
Rear Right Door Ajar	Inactive	
Touch Screen Status	Touch Screen Status: Not Pressed	
Touch Screen X Coordinate	0000	
Reverse Gear	Inactive	
Radio Display Status	Display Status: Off	
Liftgate Ajar	Inactive	
Touch Screen Y Coordinate	0000	
Frequency Counter	3	
DTC Extended Data Record Number 2	2	
Most Recent Odometer Value	378	miles
ECU Voltage	14.3	V
Vehicle Speed	20.757681	MPH
Battery Voltage	14.5	V
Original Odometer Value	169	miles
Steering Wheel Angle	3.0	Deg
Ignition Cycle Counter	4	

EBBM | C211B-00 | Stored | Ignition Run/Start Input-

NAME	VALUE	UNITS
Pending DTC	True	
Test Failed This Operation Cycle	True	
Test Failed	False	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	False	
DTC	61 1B 00	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
Occurrence flag	Error	
Confirmed DTC	True	
Undervoltage Suspected	No	

Mirror Memory	No	
Brake Pedal Applied	brake pedal not applied	
iBooster Brake Pedal State	brake pedal not applied	
iBooster System Mode	Ready Mode - iBooster is ready for actuation	
Fault Time	13107.00	S
Original Odometer Value	378	miles
Most Recent Odometer Value	378	miles
Booster Supply	12.1	V
Frequency Counter	1	
iBooster ECU Temperature Channel 1	70.4188	°F
iBooster ECU Temperature Channel 2	69.2938	°F
ECU Supply	12.0	V
ESP Master Cylinder Pressure	0.00	PSI
Pedal Travel Sensor Supply	5.0	V
Ignition	12.0	V
Pedal Travel Sensor One	-0.1191391	mm_
iBooster Input Rod Stroke	0.00	mm_
Ignition Cycle Counter	0	
iBooster Rotary Position Sensor	0.57	Deg
Pedal Travel Sensor Two	-0.0527337	mm_
iBooster Boost Body Stroke	0.00	mm_
iBooster Output Rod Stroke	0.00	mm_
Supplier Internal Code	217	
Vehicle Speed	0.00	MPH

ABSO | U0104-00 | Stored | Lost Communication With Cruise Control Module-

NAME	VALUE	UNITS
Pending DTC	False	
Test Failed This Operation Cycle	False	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	False	
Warning Indicator Requested	False	
Test Not Completed This Operation Cycle	False	
Confirmed DTC	True	
Controller Event	No	
Mirror Memory	No	
Undervoltage Suspected	No	
Test Failed	False	
Occurrence flag	Error	
DTC	C1 04 00	
Previous System Mode	Engine Running	
Current System Mode	Engine Running	
Brake Pedal Status	Pressed	
Rotation Direction Left Front	Forward	

System Condition	OK	
Rotation Direction Right Front	Forward	
Rotation Direction Right Rear	Forward	
Rotation Direction Left Rear	Forward	
ABS control	Not Active	
ASR control	Not Active	
MSR control	Not Active	
EBV control	Not Active	
HSA control	Not Active	
ESP Control	Not Active	
Hold	No	
HBA control	Not Active	
Plant Mode	No	
BLS Low	No	
Park Brake	Not Activated	
BLS High	Yes	
ESP-OFF mode	No	
Clutch	Not Activated	
Stop Coordinator Active	No	
Transmission selector lever setting	D	
Status Parking Brake Left	Brake is Released	
Status Parking Brake Right	Brake is Released	
Braking assistance system	No assistance system is braking	
EPB Mode Status	Static	
Actual Gear	1	
EPB Switch Status	Idle	
Original Odometer Value	378	miles
Most Recent Odometer Value	378	miles
Frequency Counter	1	
Ignition Cycle Counter	0	
Supply Voltage Valves	14.2	V
Supply voltage Pump	14.3	V
Ignition Unfiltered	0.0	V
Wheel Speed Right Front	3.355	MPH
Brake Pedal Travel Sensor Position	14	%
Wheel Speed Left Front	3.355	MPH
Wheel Speed Left Rear	3.355	MPH
Wheel Speed Right Rear	3.355	MPH
Longitudinal Acceleration	-0.22	m/s^2
Lateral Acceleration	-0.22	m/s^2
Yaw Rate	0.000	°/s
Engine Speed	1029.0	rpm
Primary Circuit Pressure	0.00	PSI
Steering Wheel Angle	0.00	°

Accelerator Pedal Position	0.0	%
Fault Time	630.20	S
Supplier Internal Code	254	

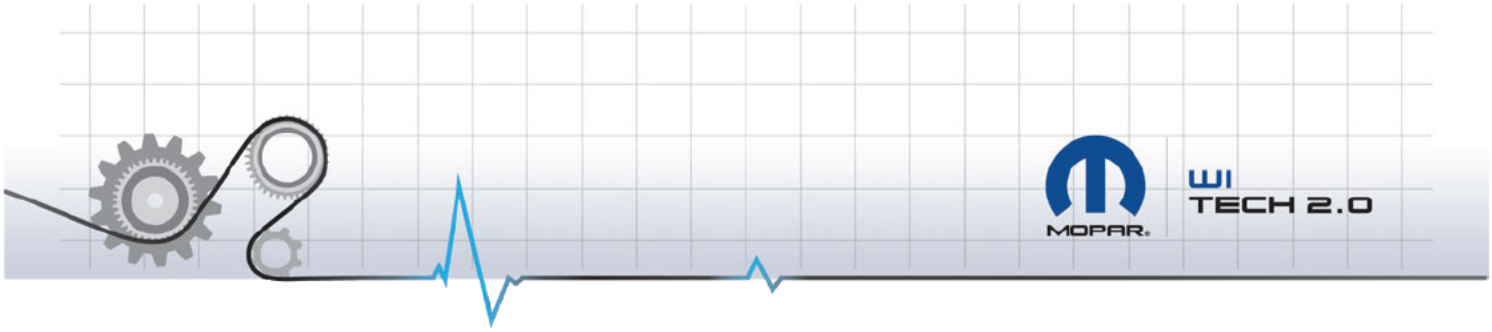
ABSO | C211B-00 | Stored | Ignition Run/Start Input-

NAME	VALUE	UNITS
DTC	61 1B 00	
Pending DTC	True	
Test Failed	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	False	
Warning Indicator Requested	False	
Occurrence flag	Error	
Mirror Memory	No	
Undervoltage Suspected	No	
Controller Event	No	
Test Failed This Operation Cycle	True	
Current System Mode	Ignition Run	
Previous System Mode	Ignition Run	
Brake Pedal Status	Released	
Test Not Completed This Operation Cycle	False	
Rotation Direction Left Front	Forward	
Rotation Direction Right Front	Forward	
System Condition	OK	
Rotation Direction Right Rear	Forward	
Rotation Direction Left Rear	Forward	
ABS control	Not Active	
ASR control	Not Active	
EBV control	Not Active	
ESP Control	Not Active	
HSA control	Not Active	
MSR control	Not Active	
HBA control	Not Active	
Braking assistance system	No assistance system is braking	
Plant Mode	No	
BLS High	No	
EPB Mode Status	Static	
Park Brake	Not Activated	
Hold	No	
ESP-OFF mode	No	
Clutch	Not Activated	
BLS Low	Yes	
Stop Coordinator Active	No	

Actual Gear	P	
Status Parking Brake Left	Brake is Released	
Transmission selector lever setting	P	
EPB Switch Status	Idle	
Status Parking Brake Right	Brake is Released	
Original Odometer Value	378	miles
Most Recent Odometer Value	378	miles
Frequency Counter	12	
Supply Voltage Valves	12.1	V
Brake Pedal Travel Sensor Position	0	%
Ignition Cycle Counter	0	
Supply voltage Pump	12.0	V
Fault Time	13107.00	S
Wheel Speed Left Front	0.000	MPH
Ignition Unfiltered	0.0	V
Wheel Speed Left Rear	0.000	MPH
Wheel Speed Right Front	0.000	MPH
Wheel Speed Right Rear	0.000	MPH
Longitudinal Acceleration	0.00	m/s^2
Lateral Acceleration	0.00	m/s^2
Steering Wheel Angle	12.80	°
Yaw Rate	0.000	°/s
Primary Circuit Pressure	0.00	PSI
Accelerator Pedal Position	0.0	%
Engine Speed	0.0	rpm
Supplier Internal Code	330	

TBM2 | U0452-64 | Stored | Implausible Data Received From Restraints Control Module-Signal Plausibility Failure

NAME	VALUE	UNITS
DTC	C4 52 64	
Pending DTC	True	
Warning Indicator Requested	False	
Confirmed DTC	True	
Test Failed Since Last Clear	True	
DTC Extended Data Record Number - All	01	
Test Not Completed This Operation Cycle	False	
Test Not Completed Since Last Clear	False	
Test Failed This Operation Cycle	True	
Test Failed	False	
Frequency Counter	4	



VEHICLE SCAN REPORT

Vehicle 2021 CHRYSLER PACIFICA (PHEV) 3.6L V6 HYBRID ENGINE
VIN 2C4RC1S72[redacted]

Odometer 383.6 miles
Publication Date Apr 5, 2021, 10:38:49 AM

ECU SUMMARY INFO

ECU	NAME	BUS TYPE	FLASH PART #	CURRENT [redacted]	ORIGINAL [redacted]	PART #
PCM	Powertrain Control Module	CAN-C	68499122AD	2C4RC1S7	2C4RC1S7	68499122AD
PLGM	Power Liftgate	CAN-I	68466171AF	2C4RC1S7	—	68466171AF
ICS	Integrated Center Stack	CAN-I	7AS341X8AA	2C4RC1S7	2C4RC1S7	7AS341X8AA
RFH	Radio Frequency Hub	CAN-C	68500152AA	2C4RC1S7	2C4RC1S7	68500152AA
ESM	Electronic Shifter	CAN-C	68240089AM	2C4RC1S7	2C4RC1S7	68240089AM
ORC	Occupant Restraint	CAN-C	68480710AC	2C4RC1S7	2C4RC1S7	68480710AC
EPS	Electric Power Steering	CAN-C	68460392AA	2C4RC1S7	2C4RC1S7	68460392AA
HVAC	Heat, Ventilation and A/C	CAN-I	68493454AE	2C4RC1S7	2C4RC1S7	68493454AE
DDM	Driver Door Module	CAN-I	68496461AB	2C4RC1S7	2C4RC1S7	68496461AB
PDM	Passenger Door Module	CAN-I	68496460AB	2C4RC1S7	2C4RC1S7	68496460AB
DMRL	Door Module Rear Left	CAN-I	68508894AB	2C4RC1S7	2C4RC1S7	68508894AB
DMRR	Door Module Rear Right	CAN-I	68508894AB	2C4RC1S7	2C4RC1S7	68508894AB
PSDML	Power Sliding Doors (Left)	CAN-I	68369596AD	2C4RC1S7	2C4RC1S7	68369596AD
PSDMR	Power Sliding Doors (Right)	CAN-I	68369596AD	2C4RC1S7	2C4RC1S7	68369596AD
MSM	Memory Seat Module	CAN-I	68321862AC	2C4RC1S7	2C4RC1S7	68321862AC
CSWM	Comfort Seat Wheel Module	CAN-I	68517013AB	2C4RC1S7	2C4RC1S7	68517013AB
AMP	Amplifier	CAN-I	68448067AA	2C4RC1S7	2C4RC1S7	68448067AA
IPC	Instrument Panel Cluster	CAN-C	68434960AE	2C4RC1S7	2C4RC1S7	68434960AE
PTS	Parktronics	CAN-C	68485862AA	2C4RC1S7	2C4RC1S7	68485862AA
SCCM	Steering Column Control Module	CAN-C	68360889AD	2C4RC1S7	2C4RC1S7	68360889AD
BCM	Body Controller	CAN-C	68491085AG	2C4RC1S7	2C4RC1S7	68491085AG

ACC	Adaptive Cruise Control	CAN-C	68540436AA	2C4RC1S7	[redacted]	2C4RC1S	68540436AA
RADIO	Radio	CAN-I	68465292AC	2C4RC1S7		2C4RC1S	68465292AC
OCM	Occupant Classification	CAN-C	68403127AA	2C4RC1S7		2C4RC1S	68403127AA
HVACR	Heat, Ventilation and A/C Rear	CAN-I	68373079AB	2C4RC1S7		2C4RC1S	68373079AB
LBSS	Left Blind Spot Sensor	CAN-I	04672786AB	2C4RC1S7		2C4RC1S	04672786AB
RBSS	Right Blind Spot Sensor	CAN-I	04672786AB	2C4RC1S7		2C4RC1S	04672786AB
FFCM	Forward Facing Camera Module	CAN-C	68493395AA	2C4RC1S7		2C4RC1S	68493395AA
EDM	External Disc Module	CAN-I	68499745AA	2C4RC1S7		2C4RC1S	68499745AA
APM	Accessory Power Module	CAN-C	05185046AB	2C4RC1S7		2C4RC1S	05185046AB
BPCM	Battery Pack Control Module	CAN-C	05193183AE	2C4RC1S7		2C4RC1S	05193183AE
HCP	Hybrid Control Processor	CAN-C	05185116AF	2C4RC1S7		2C4RC1S	05185116AF
OBCM	On Board Charging Module	CAN-C	05185047AE	2C4RC1S7		2C4RC1S	05185047AE
MSMP	Memory Seat Module - Passenger	CAN-I	68321862AC	2C4RC1S7		2C4RC1S	68321862AC
DSM	Display Screen Module	CAN-I	68437339AD	2C4RC1S7		2C4RC1S	68437339AD
VRM	Video Routing Module	CAN-I	68493702AA	2C4RC1S7		2C4RC1S	68493702AA
RCCC	Rear Cabin Comfort Controls	CAN-I	6WL30PD2AA	2C4RC1S7		2C4RC1S	6WL30PD2AA
CVPM	Central vision processing module	CAN-I	56029920AB	2C4RC1S7		2C4RC1S	56029920AB
EAC	Electric A/C Compressor	CAN-C	68237995AG	2C4RC1S7		2C4RC1S	68237995AG
AHCP	Auxiliary Hybrid Control Processor	CAN-C	05185117AF	2C4RC1S7		2C4RC1S	05185117AF
EBBM	Electronic Brake Booster Module	CAN-C	68461813AB	2C4RC1S7		2C4RC1S	68461813AB
ABSO	Anti Lock Brakes OBD	CAN-C	68471122AD	2C4RC1S7		2C4RC1S	68471122AD
SGW	Security Gateway Module	CAN-C	68488429AB			2C4RC1S	68488429AB
TBM2	Telematic Box Module 2	CAN-C	68546266AB	2C4RC1S7		2C4RC1S	68546266AB

ECU SUMMARY INFO (CONT...)

ECU	COUNTRY CODE	HARDWARE VERSION	SOFTWARE VERSION	IDENT	CVNS
PCM	USA	1B 47	75 00 01	4422	941DFC50
PLGM	USA	0	5269	000200000031	
ICS	USA	0F 0C 00	13 31 01	4700	
RFH	USA / USA	10 17 00	13 26 00	4A00	

ESM	USA / USA	0F 24 00	12 28 FF	4402	
ORC	USA / USA	12 1A 00	13 2E 00	4301	
EPS	USA / USA	12 2A 00	12 1E 01	4502	
HVAC	USA	0E 09 00	14 2F 01	4401	
DDM	USA	11 07 00	14 07 00	4202	
PDM	USA	11 07 00	14 07 00	4202	
DMRL	USA / USA	10 0B 00	14 08 00	4201	
DMRR	USA / USA	10 0B 00	14 08 00	4201	
PSDML	USA / USA	10 17 00	14 10 12	4001	
PSDMR	USA / USA	10 17 00	14 10 12	4001	
MSM	USA	0F 2B 00	10 27 03	4101	
CSWM	USA	11 2A 00	14 25 00	4302	
AMP	USA	0F 06 01	12 2E 01	4021	
IPC	USA / USA	12 06 00	14 2B 00	4705	
PTS	USA	0E 32 00	14 07 00	4311	
SCCM	USA	13 28 00	13 29 00	4301	
BCM	USA	0D 11 00	14 26 90	4420	
ACC	USA / USA	14 12 01	14 26 01	4400	
RADIO		65	5175	000200000008	
OCM	USA / USA	11 1F 01	0E 2F 02	4030	
HVACR	USA	0E 09 00	10 03 02	4301	
LBSS	USA / USA	11 30 02	12 0D 00	4202	
RBSS	USA / USA	11 30 02	12 0D 00	4202	
FFCM	USA / USA	11 06 00	13 1E 00	4102	
EDM	USA	12 0A 00	11 08 00	4000	
APM	USA / USA	11 32 00	11 32 00	4001	
BPCM	Not programmed / COUNTRY_SNA	0E 03 00	14 2C 00	4005	79855957
HCP	USA	11 1F 04	0F 2D 00	4006	FE120BB2 29C5A4AB 050DC953
OBCM	USA	0F 0D 00	12 02 00	4002	
MSMP	USA	0F 2B 00	10 27 03	4001	
DSM	USA / USA	14 0C 00	14 28 00	4300	
VRM	USA / USA	0F 1C 00	14 1E 14	4001	
RCCC	USA	0F 1D 00	13 04 00	4000	
CVPM	USA / USA	11 27 01	14 0C 01	4004	
EAC	USA	0E 34 00	12 0F 00	4102	
AHCP	USA	11 1F 04	0F 2D 00	4000	
EBBM	USA	0E 19 02	14 0D 18	4000	E5898FA5
ABSO	USA	0E 15 02	14 1B 26	4201	4F158D1B
SGW		5	969	4103	
TBM2	USA	13 0E 02	14 2A 5C	4104	

DTC SUMMARY

ECU	DTC CODE	DTC DESCRIPTION	STATUS

PCM	P2418	Fuel Tank Isolation Valve "A" Circuit	Stored
PCM	U0111	Lost Communication With Battery Energy Control Module	Stored
PCM	P0113	Intake Air Temperature Sensor 1 Circuit High	Stored
PCM	B2101	Ignition Run/Start Input Circuit Low	Stored
PCM	P06E4	Control Module Wake-up Circuit Performance	Stored
PCM	P0032	O2 Sensor 1/1 Heater Circuit High	Pending
PCM	P0038	O2 Sensor 1/2 Heater Circuit High	Pending
PCM	P0052	O2 Sensor 2/1 Heater Circuit High	Pending
PCM	P0058	O2 Sensor 2/2 Heater Circuit High	Pending
RFH	U0100-00	Lost Communication With ECM/PCM "A"-	Stored
ORC	B212C-13	Ignition Run/Start Input-Circuit Open	Stored
ORC	U0154-00	Lost Communication With Occupant Classification Module-	Stored
EPS	U0100-00	Lost Communication With ECM/PCM "A"-	Stored
EPS	U0159-00	Lost Communication With Parking Assist Control Module-	Stored
EPS	U1215-00	Lost Communication with Forward Facing Camera-	Stored
HVAC	U0422-00	Implausible Data Received From Body Control Module-	Stored
HVAC	B10EB-00	Blower Power Module-	Stored
IPC	U0100-00	Lost Communication With ECM/PCM "A"-	Stored
IPC	U1215-00	Lost Communication with Forward Facing Camera-	Stored
IPC	U0159-00	Lost Communication With Parking Assist Control Module-	Stored
IPC	U1216-00	Lost Communication with Driver Assistance System Module-	Stored
IPC	U0131-00	Lost Communication With Power Steering Control Module "A"-	Stored
BCM	U0100-00	Lost Communication With ECM/PCM "A"-	Stored
BCM	U1216-00	Lost Communication with Driver Assistance System Module-	Stored
BCM	U1215-00	Lost Communication with Forward Facing Camera-	Stored
BCM	U0159-00	Lost Communication With Parking Assist Control Module-	Stored
BCM	U11E8-00	Lost Communication with EPS Steering Torque Message-	Stored
BCM	U151A-87	Hybrid Control Processor Secret Code-Missing Message	Stored
BCM	U1514-87	Engine Controller Secret Code-Missing Message	Stored
RADIO	B1431-00	Bluetooth Antenna Internal Performance-	Stored
LBSS	U0140-00	Lost Communication With Body Control Module-	Stored
RBSS	U0140-00	Lost Communication With Body Control Module-	Stored
APM	P1CDC-00	Hybrid/EV Wakeup Control 1 Output Circuit Short to Ground-	Stored
BPCM	P167B-00	Controlled System Shutdown-	Stored
BPCM	U0293-00	Lost Communication with Hybrid Control Module "A"-	Stored
BPCM	U0151-00	Lost Communication with Occupant Restraint Controller (ORC)-	Stored
BPCM	U0100-00	Lost Communication With ECM/PCM "A"-	Stored
BPCM	P1CDC-00	Hybrid/EV Wakeup Control 1 Output Circuit Short to Ground-	Active
BPCM	P0A0A-00	High Voltage System Interlock Circuit "A"-	Stored
HCP	P2185-00	Engine Coolant Temperature Sensor 2 Circuit High-	Pending
HCP	P2534-00	Ignition Switch On/Start Position Circuit Low-	Stored
HCP	P2611-00	A/C Refrigerant Distribution Valve Control Circuit/Open-	Pending
HCP	P01E6-00	Engine Coolant Temperature Sensor 3 Circuit High-	Pending
HCP	P0513-00	Invalid SKIM Key-	Stored

HCP	P0533-00	A/C Pressure Sensor Circuit High-	Pending
HCP	P0562-00	System Voltage Low-	Stored
HCP	P0A0A-00	High Voltage System Interlock Circuit "A"-	Stored
HCP	P0C43-00	Hybrid Battery Pack Coolant Inlet Temperature Sensor Circuit Range/Performance-	Active
HCP	P0C4A-00	Hybrid/EV Battery Pack Coolant Pump "A" Control Performance-	Active
HCP	P0CD6-00	Hybrid Battery Pack Coolant Outlet Temperature Sensor Circuit Range/Performance-	Active
HCP	P26A7-00	Engine Coolant Bypass Valve 1 Position Sensor Circuit High-	Pending
HCP	U0100-00	Lost Communication With ECM/PCM "A"-	Stored
HCP	U0111-00	Lost Communication With Battery Energy Control Module-	Stored
HCP	U0151-00	Lost Communication with Occupant Restraint Controller (ORC)-	Stored
HCP	U016B-00	Lost Communication With A/C Compressor "A" Control Module-	Pending
HCP	U0293-00	Lost Communication with Hybrid Control Module "A"-	Pending
HCP	U0298-00		Pending
HCP	U11F8-00		Pending
HCP	U1818-00	Lost Communication With ECM/PCM on D-PT CAN-	Stored
HCP	U1830-00	Lost Communication with ORC on D-PT-	Stored
OBCM	U0293-00	Lost Communication with Hybrid Control Module "A"-	Stored
DSM	U0140-00	Lost Communication With Body Control Module-	Stored
VRM	U0422-00	Implausible Data Received From Body Control Module-	Stored
VRM	B15AD-00	Lost Low Voltage Differential Signal (LVDS) Connection with Media Port 1-	Stored
CVPM	B23C5-92	Front Camera-Performance or Incorrect Operation	Stored
EBBM	C211B-00	Ignition Run/Start Input-	Stored
ABSO	U0104-00	Lost Communication With Cruise Control Module-	Stored
ABSO	C211B-00	Ignition Run/Start Input-	Stored
TBM2	U0452-64	Implausible Data Received From Restraints Control Module-Signal Plausibility Failure	Stored

ENVIRONMENTAL DATA SUMMARY

PCM | P2418 | Stored | Fuel Tank Isolation Valve "A" Circuit

NAME	VALUE	UNITS
DTC	24 18	
DTC Readiness Flag	Not Complete	
DTC Storage State	Stored	
Warning Indicator Request State	On	
Number of DTC	1	
Odometer	389.7	miles
Ignition Key Cycles	0	
Accumulation Timer	1	minutes
Starts Since Set Counter	0	
Key Cycles Since DTC Last Set Counter	0	
Warm Up Cycles	0	
Good Trip Counter	0	

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

NAME	VALUE	UNITS
DTC Readiness Flag	Not Complete	
DTC	C1 11	
DTC Storage State	Stored	
Warning Indicator Request State	On	
Number of DTC	1	
Odometer	389.7	miles
Ignition Key Cycles	0	
Accumulation Timer	1	minutes
Starts Since Set Counter	0	
Key Cycles Since DTC Last Set Counter	0	
Warm Up Cycles	0	
Good Trip Counter	0	

PCM | P0113 | Stored | Intake Air Temperature Sensor 1 Circuit High

NAME	VALUE	UNITS
DTC	01 13	
DTC Readiness Flag	Not Complete	
DTC Storage State	Stored	
Warning Indicator Request State	On	
Number of DTC	1	
Accumulation Timer	26	minutes
Odometer	389.7	miles
Ignition Key Cycles	0	
Starts Since Set Counter	0	
Key Cycles Since DTC Last Set Counter	0	
Warm Up Cycles	0	
Good Trip Counter	0	

PCM | B2101 | Stored | Ignition Run/Start Input Circuit Low

NAME	VALUE	UNITS
DTC	A1 01	
DTC Readiness Flag	Not Complete	
DTC Storage State	Stored	
Warning Indicator Request State	Off	
Number of DTC	1	
Odometer	389.7	miles
Accumulation Timer	19	minutes
Ignition Key Cycles	0	
Starts Since Set Counter	0	
Key Cycles Since DTC Last Set Counter	0	
Warm Up Cycles	0	
Good Trip Counter	0	

PCM | P06E4 | Stored | Control Module Wake-up Circuit Performance

NAME	VALUE	UNITS
DTC	06 E4	
DTC Storage State	Stored	
DTC Readiness Flag	Not Complete	
Warning Indicator Request State	On	
Number of DTC	1	
Odometer	389.7	miles
Accumulation Timer	4	minutes
Ignition Key Cycles	20	
Starts Since Set Counter	11	
Key Cycles Since DTC Last Set Counter	21	
Warm Up Cycles	0	
Good Trip Counter	0	

PCM | P0032 | Pending | O2 Sensor 1/1 Heater Circuit High

NAME	VALUE	UNITS
DTC		
DTC Readiness Flag		
DTC Storage State		
Warning Indicator Request State		
Number of DTC	0	
Odometer		miles
Accumulation Timer		minutes
Ignition Key Cycles		
Starts Since Set Counter		
Key Cycles Since DTC Last Set Counter		
Warm Up Cycles		
Good Trip Counter		

PCM | P0038 | Pending | O2 Sensor 1/2 Heater Circuit High

NAME	VALUE	UNITS
DTC		
DTC Readiness Flag		
DTC Storage State		
Warning Indicator Request State		
Number of DTC	0	
Odometer		miles
Ignition Key Cycles		
Accumulation Timer		minutes
Starts Since Set Counter		
Key Cycles Since DTC Last Set Counter		
Warm Up Cycles		
Good Trip Counter		

PCM | P0052 | Pending | O2 Sensor 2/1 Heater Circuit High

NAME	VALUE	UNITS
DTC		
DTC Readiness Flag		
DTC Storage State		
Warning Indicator Request State		
Number of DTC	0	
Odometer		miles
Accumulation Timer		minutes
Ignition Key Cycles		
Starts Since Set Counter		
Key Cycles Since DTC Last Set Counter		
Warm Up Cycles		
Good Trip Counter		

PCM | P0058 | Pending | O2 Sensor 2/2 Heater Circuit High

NAME	VALUE	UNITS
DTC		
DTC Readiness Flag		
DTC Storage State		
Warning Indicator Request State		
Number of DTC	0	
Odometer		miles
Accumulation Timer		minutes
Ignition Key Cycles		
Starts Since Set Counter		
Key Cycles Since DTC Last Set Counter		
Warm Up Cycles		
Good Trip Counter		

RFH | U0100-00 | Stored | Lost Communication With ECM/PCM "A"-

NAME	VALUE	UNITS
Test Failed	False	
Pending DTC	False	
Test Failed This Operation Cycle	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	False	
Warning Indicator Requested	False	
Confirmed DTC	True	
Test Not Completed This Operation Cycle	False	
DTC Extended Data Record Number - All	01	
Occurrence flag	Error	
Frequency Counter	4	
Ignition Cycle Counter	1	

Original Odometer Value	378	miles
Most Recent Odometer Value	378	miles

ORC | B212C-13 | Stored | Ignition Run/Start Input-Circuit Open

NAME	VALUE	UNITS
Test Failed	False	
Test Failed This Operation Cycle	True	
Pending DTC	False	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Confirmed DTC	True	
Warning Indicator Requested	False	
Occurrence flag	Error	
DTC Extended Data Record Number - All	FF	
Original Odometer Value	378	miles
Frequency Counter	4	
Most Recent Odometer Value	378	miles
Operation Cycle Counter	1	

ORC | U0154-00 | Stored | Lost Communication With Occupant Classification Module-

NAME	VALUE	UNITS
Test Failed	False	
Test Failed This Operation Cycle	True	
Pending DTC	False	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Confirmed DTC	True	
Warning Indicator Requested	False	
Occurrence flag	Error	
DTC Extended Data Record Number - All	FF	
Original Odometer Value	378	miles
Operation Cycle Counter	1	
Most Recent Odometer Value	378	miles
Frequency Counter	4	

EPS | U0100-00 | Stored | Lost Communication With ECM/PCM "A"-

NAME	VALUE	UNITS
Test Failed	False	
DTC	C1 00 00	
Test Failed This Operation Cycle	True	
Confirmed DTC	True	
Pending DTC	True	

Test Not Completed Since Last Clear	False	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
Test Failed Since Last Clear	True	
Occurrence flag	Error	
Supplier Internal Fault Code	01 29 01	
Original Odometer Value	378	miles
Most Recent Odometer Value	378	miles
Frequency Counter	80	
Ignition Cycle Counter	1	
EPS Internal Filtered Vehicle Speed	0.000	MPH
EPS Internal Steering Wheel Angle (Sign convention is positive angle towards left steering lock)	-19.60	Deg
EPS System Current Draw	0	A
EPS Steering Wheel Torque	0.1728	Ft-Lbs
EPS Measured Module Voltage	12.04	V
EPS Steering Wheel Velocity	-0.00	deg/s
CAN Battery Voltage	12.1	Volts
EPS Measured Module Temperature	66.1	°F

EPS | U0159-00 | Stored | Lost Communication With Parking Assist Control Module-

NAME	VALUE	UNITS
DTC	C1 59 00	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Test Failed	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Warning Indicator Requested	False	
Occurrence flag	Error	
Test Not Completed This Operation Cycle	False	
Supplier Internal Fault Code	01 99 01	
Original Odometer Value	378	miles
Most Recent Odometer Value	378	miles
Frequency Counter	4	
Ignition Cycle Counter	1	
EPS Internal Steering Wheel Angle (Sign convention is positive angle towards left steering lock)	-19.60	Deg
EPS Internal Filtered Vehicle Speed	0.000	MPH
EPS Steering Wheel Velocity	-0.00	deg/s
EPS System Current Draw	0	A
EPS Steering Wheel Torque	0.1671	Ft-Lbs
CAN Battery Voltage	12.1	Volts
EPS Measured Module Voltage	12.04	V
EPS Measured Module Temperature	66.1	°F

EPS | U1215-00 | Stored | Lost Communication with Forward Facing Camera-

NAME	VALUE	UNITS
DTC	D2 15 00	
Test Failed	False	
Confirmed DTC	True	
Pending DTC	True	
Test Failed This Operation Cycle	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Occurrence flag	Error	
Warning Indicator Requested	False	
Test Not Completed This Operation Cycle	False	
Supplier Internal Fault Code	01 91 01	
Original Odometer Value	378	miles
Most Recent Odometer Value	378	miles
Ignition Cycle Counter	1	
EPS Internal Steering Wheel Angle (Sign convention is positive angle towards left steering lock)	-19.60	Deg
EPS Internal Filtered Vehicle Speed	0.000	MPH
Frequency Counter	5	
EPS Steering Wheel Velocity	-0.00	deg/s
EPS System Current Draw	0	A
EPS Measured Module Voltage	12.04	V
EPS Steering Wheel Torque	0.1671	Ft-Lbs
EPS Measured Module Temperature	66.1	°F
CAN Battery Voltage	12.1	Volts

HVAC | U0422-00 | Stored | Implausible Data Received From Body Control Module-

NAME	VALUE	UNITS
Pending DTC	False	
Test Failed This Operation Cycle	True	
Confirmed DTC	True	
Test Failed Since Last Clear	True	
Test Failed	False	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
Test Not Completed Since Last Clear	False	
Occurrence flag	Error	
Frequency Counter	4	
Most Recent Odometer Value	378	miles
Original Odometer Value	378	miles
Ignition Cycle Counter	1	

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

NAME	VALUE	UNITS

Confirmed DTC	True	
Test Failed Since Last Clear	True	
Pending DTC	False	
Test Failed	False	
Test Not Completed This Operation Cycle	False	
Test Not Completed Since Last Clear	False	
Test Failed This Operation Cycle	False	
Warning Indicator Requested	False	
Occurrence flag	Error	
Most Recent Odometer Value	99	miles
Ignition Cycle Counter	51	
Original Odometer Value	99	miles
Frequency Counter	4	

IPC | U0100-00 | Stored | Lost Communication With ECM/PCM "A"-

NAME	VALUE	UNITS
Test Failed	False	
Test Failed This Operation Cycle	True	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
Occurrence flag	Occurrence	
DTC Extended Data Record Number - All	FF	
Most Recent Odometer Value	378	miles
Original Odometer Value	378	miles
Ignition Cycle Counter	0	
Frequency Counter	4	

IPC | U1215-00 | Stored | Lost Communication with Forward Facing Camera-

NAME	VALUE	UNITS
Test Failed	False	
Pending DTC	False	
Test Failed This Operation Cycle	True	
Confirmed DTC	True	
Test Failed Since Last Clear	True	
Test Not Completed Since Last Clear	False	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
Occurrence flag	Occurrence	
DTC Extended Data Record Number - All	FF	
Original Odometer Value	378	miles

Most Recent Odometer Value	378	miles
Frequency Counter	4	
Ignition Cycle Counter	0	

IPC | U0159-00 | Stored | Lost Communication With Parking Assist Control Module-

NAME	VALUE	UNITS
Test Failed	False	
Test Failed This Operation Cycle	True	
Pending DTC	False	
Test Not Completed Since Last Clear	False	
Confirmed DTC	True	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
DTC Extended Data Record Number - All	FF	
Warning Indicator Requested	False	
Occurrence flag	Occurrence	
Original Odometer Value	378	miles
Most Recent Odometer Value	378	miles
Frequency Counter	4	
Ignition Cycle Counter	0	

IPC | U1216-00 | Stored | Lost Communication with Driver Assistance System Module-

NAME	VALUE	UNITS
Test Failed	False	
Pending DTC	False	
Test Failed This Operation Cycle	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
DTC Extended Data Record Number - All	FF	
Warning Indicator Requested	False	
Occurrence flag	Occurrence	
Original Odometer Value	378	miles
Frequency Counter	4	
Most Recent Odometer Value	378	miles
Ignition Cycle Counter	0	

IPC | U0131-00 | Stored | Lost Communication With Power Steering Control Module "A"-

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

Test Not Completed Since Last Clear	False	
Test Not Completed This Operation Cycle	False	
Test Failed Since Last Clear	True	
Warning Indicator Requested	False	
DTC Extended Data Record Number - All	FF	
Occurrence flag	Occurrence	
Original Odometer Value	378	miles
Most Recent Odometer Value	378	miles
Frequency Counter	2	
Ignition Cycle Counter	19	

BCM | U0100-00 | Stored | Lost Communication With ECM/PCM "A"-

NAME	VALUE	UNITS
Test Failed	False	
Test Failed This Operation Cycle	True	
Pending DTC	False	
Confirmed DTC	True	
Test Failed Since Last Clear	True	
Test Not Completed 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	378	miles
Most Recent Odometer Value	378	miles
Frequency Counter	4	
Ignition Cycle Counter	1	

BCM | U1216-00 | Stored | Lost Communication with Driver Assistance System Module-

NAME	VALUE	UNITS
Test Failed	False	
Test Failed This Operation Cycle	True	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number - All	01	
Occurrence flag	Error	
Original Odometer Value	378	miles
Most Recent Odometer Value	378	miles
Ignition Cycle Counter	1	
Frequency Counter	4	

BCM | U1215-00 | Stored | Lost Communication with Forward Facing Camera-

NAME	VALUE	UNITS
Test Failed	False	
Test Failed This Operation Cycle	True	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number - All	01	
Occurrence flag	Error	
Original Odometer Value	378	miles
Most Recent Odometer Value	378	miles
Frequency Counter	4	
Ignition Cycle Counter	1	

BCM | U0159-00 | Stored | Lost Communication With Parking Assist Control Module-

NAME	VALUE	UNITS
Test Failed	False	
Test Failed This Operation Cycle	True	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number - All	01	
Occurrence flag	Error	
Original Odometer Value	378	miles
Most Recent Odometer Value	378	miles
Frequency Counter	4	
Ignition Cycle Counter	1	

BCM | U11E8-00 | Stored | Lost Communication with EPS Steering Torque Message-

NAME	VALUE	UNITS
Test Failed	False	
Test Failed This Operation Cycle	False	
Confirmed DTC	True	
Pending DTC	False	
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	378	miles
Frequency Counter	2	
Most Recent Odometer Value	378	miles
Ignition Cycle Counter	19	

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

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	99	miles
Most Recent Odometer Value	378	miles
Frequency Counter	4	
Ignition Cycle Counter	19	

BCM | U1514-87 | Stored | Engine Controller Secret Code-Missing Message

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	378	miles
Most Recent Odometer Value	378	miles
Frequency Counter	2	
Ignition Cycle Counter	19	

RADIO | B1431-00 | Stored | Bluetooth Antenna Internal Performance-

NAME	VALUE	UNITS
DTC	94 31 00	

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

LBSS | U0140-00 | Stored | Lost Communication With Body Control Module-

NAME	VALUE	UNITS
Test Failed This Operation Cycle	True	
Test Failed Since Last Clear	True	
Test Failed	False	
Confirmed DTC	True	
Pending DTC	True	
DTC Extended Data Record Number - All	01	
Test Not Completed This Operation Cycle	False	
Test Not Completed Since Last Clear	False	
Occurrence flag	Occurrence	
Warning Indicator Requested	False	
Most Recent Odometer Value	378	miles
Original Odometer Value	378	miles
Frequency Counter	108	
Operation Cycle Counter	1	

RBSS | U0140-00 | Stored | Lost Communication With Body Control Module-

NAME	VALUE	UNITS
Test Failed This Operation Cycle	True	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
DTC	C1 40 00	
Test Failed	False	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number - All	01	
Occurrence flag	Occurrence	
Test Failed Since Last Clear	True	
Vehicle Line	Correct	
Vehicle Config Stat	OK	
Model Year	Correct	
Country Code	Correct	
DTC Extended Data Record Number - Record #2	02	
BSS Current Operating Mode	BSM	
BSS Desired Operating Mode	Init	
Most Recent Odometer Value	378	miles
Operation Cycle Counter	1	

Original Odometer Value	378	miles
Frequency Counter	108	

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

NAME	VALUE	UNITS
Confirmed DTC	True	
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	True	
Occurrence flag	Error	
Warning Indicator Requested	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Test Not Completed Since Last Clear	False	
DTC	1C DC 00	
HCP Commanded APM Operating Mode	Idle	
APM Derating Reason	Default(Normal Operation)	
APM Operation Mode Status Reported from APM	Idle	
APM Derating Mode Status	No de-rating	
APM Failure Mode Status	No failure	
APM Failure Reason	No failure	
Most Recent Odometer Value	378	miles
Frequency Counter	1	
APM High Voltage DC Current Set Point	7.0000	AMP
APM Low Voltage DC Current Set Point	100.0000	AMP
Original Odometer Value	378	miles
Ignition Cycle Counter	2	
APM High Voltage DC Voltage Set Point	14.0000	Volt
APM Low Voltage DC Voltage Set Point	14.81	Volt
Low voltage battery voltage from HCP	12.1200	Volt

BPCM | P167B-00 | Stored | Controlled System Shutdown-

NAME	VALUE	UNITS
Key in Ignition	Key_Def	
Key Position	Ign_ Run	
EPT -WakeUp	Sourced	
Qualified Contactor Command - QCC	Open	
HCP Contactor Command	Open	
Verified Contactor Command - VCC	Open	
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	
HVIL Status -Vehicle	Not Sourced	
HVIL Status - Battery pack	PASS	
Pump - Wire Open\Short to Gnd	PASS	
Pump - Dry Run Detection	PASS	
Pump - Overcurrent	PASS	
Pump - Overtemperature	PASS	
Pump - Switch Power Shorted	PASS	
Fault trigger level 1	False	
Fault trigger level 2	False	
Fault trigger level 3	False	
Fault Path	03	
Key - DriveRdy (CAN)	True	
Battery Cell Highest Cell number	76	
Battery Cell Lowest Cell number	33	
Battery Temperature Highest Sensor number	10	
Battery Temperature Lowest Sensor number	06	
Battery Temperature Number of Failing Sensors	00	
HV Cooling Pump Relay Drive	Not Sourced	
Pump - Battery Coolant Level Low	False	
Isolation Vehicle Diagnostic Status	Run and Passed	
Isolation Battery Diagnostic Status	Run and Passed	
BPCM Sec Asic Reset Req	Not Active	
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	
Real Time Clock Validity	True	
DTC	16 7B 00	
Test Failed This Operation Cycle	True	
Test Failed	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	Error	
DTC Extended Data Record Number - 2	56	
Frequency Counter	1	
Ignition Cycle Counter	1	
FoM - for this DTC (lifetime fails)	21	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	10497718	seconds
Vehicle mileage at time of fault (ODO signal in $3D2)	383.54	miles
Battery Lifetime Miles	667016	miles
Vehicle Speed	FE	MPH
System (12) Volts at time of fault	12.199	Volts
Battery Lifetime AmpHrs of Charge	310.9	AHr
Battery Lifetime AmpHrs of DisCharge	314.4	AHr
SOC at time of Fault	23.9	%
Power Up SOC at time of Fault	24.7	%
HVIL PWM Duty Cycle - Vehicle	50.2	%
HVIL PWM Frequency - Vehicle	87.9	Hz
HVIL PWM peak voltage Sourced - Vehicle	11.052	Volts
HVIL PWM peak voltage Sensed - Vehicle	11.022	Volts
HVIL Returned current - Battery	30.40	mA
HVIL Source Voltage- Battery	1.377	Volts
HV Battery Current Sensor 1 Hall High	-2.30	Amps
HV Battery Current HVBatCrnt	0.00	Amps
HV Battery Current Sensor 2 Hall Low	-0.05	Amps
HV Cooling Speed pump 1 Speed	0	rpm
BPCM temperature max	66	°F
Charge indicator Temp	77	°F
HV Cooling Speed Pump 1 Target	725	rpm
BPCM temperature min	66	°F
Isolation Circuitry Va	2.810	Volts
Isolation Circuitry Vd	0.000	Volts
Isolation Circuitry Vb	2.501	Volts
WC and Circuitry 2.5V Reference Voltage	2.501	Volts
WC and Circuitry Vcc Voltage	5.004	Volts
WC and CircuitryISO 8V Reference Voltage	7.983	Volts
WC and Circuitry Weld Contactor Sensor G (Pack Negative) Voltage	0.2	Volts
Cycles left to self heal	40	No Unit
HV Battery Charge Power 10sec	89220	watts
HV Battery Charge Power 2sec	93522	watts
HV Battery Discharge Power 2sec	89712	watts
HV Battery Discharge Power 10sec	86001	watts
HV Battery Power	007530	watts
Battery Lifetime Number Of Closes	256	

Battery Full AmpHr Capacity	50	AmpHrs
Cell Impedance Max Discharge	0	mOhms
Cell Impedance Mim Discharge	0	mOhms
Battery Cell Voltage Maximum	3558	mV
Battery Cell Voltage Minimum	3552	mV
Battery Cell Voltage Average	3554	mV
HV Battery Voltage (cell sum)	341.20	Volts
HV Sensor A Pack Voltage	341.20	Volts
HV Sensor B Bus\Link (Pre-Fuse) Voltage	341.30	Volts
HV Battery Voltage (Module Sum)	340.30	Volts
HV Sensor D Heater (HVHTR Fuse) Voltage	341.30	Volts
HV Sensor C OBCM (HVOBC Fuse) Voltage	341.20	Volts
HV Sensor G Weld Contactor(Pack Negative) Voltage	0.2	Volts
Battery Temperature Maximum Module	66	°F
Battery Temperature Average Module	66	°F
Battery Temperature Minimum Module	66	°F
HV Cooling Battery coolant inlet temp	66	°F
HV Cooling Battery coolant outlet temp	66	°F
Isolation Vehicle Impedance	7.9408	Mega Ohms
HV Cooling OBCM temp inlet Temp	72	°F
HV Bat SOH-R	12.9	%
Isolation Battery Impedance	0.8480	Mega Ohms
HV Bat SOH-C	96.9	%
BPCM Sec QA Error Counter	1	cnts
BPCM Sec MM Hw Reset Error Counter	0	cnts
BPCM L2 SM Hw Reset Error Counter	0	No Unit
Engine Speed	0	rpm
Accelerator position	7.5	%
Real time clock-OS Task Delay Timer	0	
Original Odometer Value	378	miles
Real time clock	429496.7295	seconds
Most Recent Odometer Value	378	miles

BPCM | U0293-00 | Stored | Lost Communication with Hybrid Control Module "A"-

NAME	VALUE	UNITS
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	
ChargingLevel	Plug in, but no charge	
Plug in Status	Not plugged in	

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	
HVIL Status -Vehicle	PASS	
HVIL Status - Battery pack	PASS	
Pump - Wire Open\Short to Gnd	PASS	
Pump - Dry Run Detection	PASS	
Pump - Overcurrent	PASS	
Pump - Overtemperature	PASS	
Pump - Switch Power Shorted	PASS	
Fault trigger level 1	False	
Fault trigger level 2	False	
Fault trigger level 3	False	
Fault Path	01	
Key - DriveRdy (CAN)	True	
Battery Cell Highest Cell number	90	
Battery Cell Lowest Cell number	33	
Battery Temperature Highest Sensor number	09	
Battery Temperature Lowest Sensor number	06	
Battery Temperature Number of Failing Sensors	00	
HV Cooling Pump Relay Drive	Not Sourced	
Pump - Battery Coolant Level Low	False	
Isolation Vehicle Diagnostic Status	Run and Passed	
Isolation Battery Diagnostic Status	Run and Passed	
BPCM Sec Asic Reset Req	Not Active	
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 Main HW Timer Status	Not Active	
BPCM Sec Contactor State	Close	
BPCM Sec Asic Fault State	NOTASSERTED	
Real Time Clock Validity	True	
DTC	C2 93 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	Error	
DTC Extended Data Record Number - All	01	
DTC Extended Data Record Number - 2	A8	
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
Battery Total Time Awake	10497718	seconds
Vehicle mileage at time of fault (ODO signal in $3D2)	383.54	miles
Battery Lifetime Miles	667016	miles
Vehicle Speed	FE	MPH
FoM - for this DTC (lifetime longest fail on pass)	0.000	seconds
System (12) Volts at time of fault	12.206	Volts
Battery Lifetime AmpHrs of Charge	310.9	AHr
Power Up SOC at time of Fault	24.7	%
Battery Lifetime AmpHrs of DisCharge	314.4	AHr
SOC at time of Fault	23.9	%
HVIL PWM Duty Cycle - Vehicle	50.2	%
HVIL PWM Frequency - Vehicle	87.9	Hz
HVIL PWM peak voltage Sourced - Vehicle	10.975	Volts
HVIL Source Voltage- Battery	1.377	Volts
HVIL PWM peak voltage Sensed - Vehicle	10.953	Volts
HVIL Returned current - Battery	30.40	mA
HV Battery Current Sensor 1 Hall High	-0.40	Amps
HV Battery Current HVBatCrnt	0.00	Amps
HV Battery Current Sensor 2 Hall Low	-0.05	Amps
HV Cooling Speed Pump 1 Target	725	rpm
HV Cooling Speed pump 1 Speed	0	rpm
Charge indicator Temp	77	°F
BPCM temperature max	66	°F
BPCM temperature min	66	°F
Isolation Circuitry Vb	2.501	Volts
Isolation Circuitry Va	3.096	Volts
Isolation Circuitry Vd	0.000	Volts
WC and Circuitry 2.5V Reference Voltage	2.501	Volts
WC and Circuitry Vcc Voltage	5.004	Volts
WC and CircuitryISO 8V Reference Voltage	7.983	Volts
Cycles left to self heal	40	No Unit
WC and Circuitry Weld Contactor Sensor G (Pack Negative) Voltage	0.2	Volts
HV Battery Charge Power 2sec	93522	watts
HV Battery Charge Power 10sec	89220	watts
HV Battery Discharge Power 10sec	86001	watts
HV Battery Power	007530	watts

Battery Full AmpHr Capacity	50	AmpHrs
HV Battery Discharge Power 2sec	89712	watts
Battery Lifetime Number Of Closes	256	
Cell Impedance Max Discharge	0	mOhms
Battery Cell Voltage Maximum	3558	mV
Battery Cell Voltage Minimum	3552	mV
Cell Impedance Mim Discharge	0	mOhms
Battery Cell Voltage Average	3555	mV
HV Battery Voltage (cell sum)	341.20	Volts
HV Battery Voltage (Module Sum)	340.30	Volts
HV Sensor A Pack Voltage	341.20	Volts
HV Sensor B Bus\Link (Pre-Fuse) Voltage	341.30	Volts
HV Sensor C OBCM (HVOBC Fuse) Voltage	341.30	Volts
HV Sensor D Heater (HVHTR Fuse) Voltage	341.30	Volts
HV Sensor G Weld Contactor(Pack Negative) Voltage	0.2	Volts
Battery Temperature Maximum Module	66	°F
Battery Temperature Minimum Module	66	°F
Battery Temperature Average Module	66	°F
HV Cooling Battery coolant inlet temp	66	°F
HV Cooling Battery coolant outlet temp	66	°F
HV Cooling OBCM temp inlet Temp	72	°F
Isolation Vehicle Impedance	7.9408	Mega Ohms
Isolation Battery Impedance	0.8480	Mega Ohms
HV Bat SOH-R	12.9	%
BPCM Sec QA Error Counter	0	cnts
HV Bat SOH-C	96.9	%
BPCM Sec MM Hw Reset Error Counter	0	cnts
BPCM L2 SM Hw Reset Error Counter	0	No Unit
Accelerator position	7.5	%
Engine Speed	0	rpm
Real time clock	429496.7295	seconds
Real time clock-OS Task Delay Timer	0	
Original Odometer Value	378	miles
Most Recent Odometer Value	378	miles

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

NAME	VALUE	UNITS
Key in Ignition	Key_Def	
Key Position	Ign_ Start	
EPT -WakeUp	Sourced	
HCP Contactor Command	Closed	
Qualified Contactor Command - QCC	Closed	
Verified Contactor Command - VCC	Closed Restricted	
Contactor Status	Closed	

Plug in Status	Not plugged in	
ChargingLevel	Plug in, but no charge	
Balance Mode	False	
Battery in Periodic wake up (Wake up vehicle) at time of Fault	False	
Battery in Periodic wake up (Just battery) at time of Fault	False	
HVIL Status -Vehicle	PASS	
HVIL Status - Battery pack	PASS	
Pump - Wire Open\Short to Gnd	PASS	
Pump - Dry Run Detection	PASS	
Pump - Overcurrent	PASS	
Pump - Overtemperature	PASS	
Pump - Switch Power Shorted	PASS	
Fault trigger level 1	False	
Fault trigger level 2	False	
Fault trigger level 3	False	
Fault Path	01	
Key - DriveRdy (CAN)	True	
Battery Cell Highest Cell number	91	
Battery Cell Lowest Cell number	40	
Battery Temperature Lowest Sensor number	11	
Battery Temperature Number of Failing Sensors	00	
Battery Temperature Highest Sensor number	06	
HV Cooling Pump Relay Drive	Not Sourced	
Pump - Battery Coolant Level Low	False	
Isolation Vehicle Diagnostic Status	Run and Passed	
Isolation Battery Diagnostic Status	Run and Passed	
BPCM Sec Asic Reset Req	Not Active	
BPCM Sec Asic Fault Input	Not Active	
BPCM Sec CC Path Test Active	Not Active	
BPCM L2 CC Path Test Req	Undetermined	
BPCM L2 General Monitoring Flt Rsn	L2L1_CELL_MAX_V_CMP_FLT	
BPCM L2 Contactor Dslb Req	Undetermined	
BPCM Sec HW Timer Status	Not Active	
BPCM L2 ASIC Diagnostic Flt Rsn	ADCTest	
BPCM Sec Contactor State	Close	
BPCM Main HW Timer Status	Not Active	
BPCM Sec Asic Fault State	NOTASSERTED	
Real Time Clock Validity	True	
Test Failed	False	
DTC	C1 51 00	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Test Not Completed Since Last Clear	False	
Confirmed DTC	True	

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	
DTC Extended Data Record Number - 2	A7	
Ignition Cycle Counter	1	
Frequency Counter	7	
FoM - for this DTC (lifetime fails)	5	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
Vehicle mileage at time of fault (ODO signal in $3D2)	383.07	miles
Battery Total Time Awake	10158182	seconds
Battery Lifetime Miles	667014	miles
Vehicle Speed	0.0	MPH
System (12) Volts at time of fault	12.698	Volts
Battery Lifetime AmpHrs of Charge	307.1	AHr
Battery Lifetime AmpHrs of DisCharge	311.4	AHr
SOC at time of Fault	22.7	%
Power Up SOC at time of Fault	23.1	%
HVIL PWM Duty Cycle - Vehicle	50.2	%
HVIL PWM Frequency - Vehicle	87.9	Hz
HVIL PWM peak voltage Sourced - Vehicle	11.638	Volts
HVIL PWM peak voltage Sensed - Vehicle	11.586	Volts
HVIL Source Voltage- Battery	1.377	Volts
HVIL Returned current - Battery	30.40	mA
HV Battery Current Sensor 1 Hall High	-1.25	Amps
HV Battery Current HVBatCrnt	0.25	Amps
HV Battery Current Sensor 2 Hall Low	0.25	Amps
HV Cooling Speed Pump 1 Target	0	rpm
HV Cooling Speed pump 1 Speed	0	rpm
Charge indicator Temp	100	°F
BPCM temperature max	90	°F
BPCM temperature min	84	°F
Isolation Circuitry Va	2.542	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 CircuitryISO 8V Reference Voltage	7.980	Volts
WC and Circuitry Weld Contactor Sensor G (Pack Negative) Voltage	0.2	Volts
WC and Circuitry Vcc Voltage	5.009	Volts
HV Battery Charge Power 10sec	90336	watts
HV Battery Charge Power 2sec	98025	watts
Cycles left to self heal	40	No Unit

HV Battery Discharge Power 2sec	91335	watts
HV Battery Discharge Power 10sec	88536	watts
HV Battery Power	007539	watts
Battery Lifetime Number Of Closes	228	
Battery Full AmpHr Capacity	50	AmpHrs
Battery Cell Voltage Maximum	3537	mV
Cell Impedance Max Discharge	0	mOhms
Cell Impedance Mim Discharge	0	mOhms
Battery Cell Voltage Minimum	3531	mV
Battery Cell Voltage Average	3534	mV
HV Battery Voltage (cell sum)	339.30	Volts
HV Battery Voltage (Module Sum)	338.30	Volts
HV Sensor A Pack Voltage	339.20	Volts
HV Sensor B Bus\Link (Pre-Fuse) Voltage	339.40	Volts
HV Sensor C OBCM (HVOBC Fuse) Voltage	339.40	Volts
HV Sensor D Heater (HVHTR Fuse) Voltage	339.40	Volts
HV Sensor G Weld Contactor(Pack Negative) Voltage	0.2	Volts
Battery Temperature Maximum Module	90	°F
Battery Temperature Minimum Module	84	°F
Battery Temperature Average Module	86	°F
HV Cooling Battery coolant inlet temp	111	°F
HV Cooling OBCM temp inlet Temp	111	°F
HV Cooling Battery coolant outlet temp	111	°F
Isolation Vehicle Impedance	7.4108	Mega Ohms
Isolation Battery Impedance	0.8480	Mega Ohms
HV Bat SOH-R	13.3	%
HV Bat SOH-C	96.9	%
BPCM Sec QA Error Counter	0	cnts
BPCM L2 SM Hw Reset Error Counter	0	No Unit
Engine Speed	0	rpm
BPCM Sec MM Hw Reset Error Counter	0	cnts
Accelerator position	7.5	%
Real time clock-OS Task Delay Timer	0	
Original Odometer Value	378	miles
Real time clock	429496.7295	seconds
Most Recent Odometer Value	378	miles

BPCM | U0100-00 | Stored | Lost Communication With ECM/PCM "A"-

NAME	VALUE	UNITS
Key in Ignition	Key_Def	
Key Position	Ign_ Run	
EPT -WakeUp	Sourced	
HCP Contactor Command	Open	
Qualified Contactor Command - QCC	Open	

Verified Contactor Command - VCC	Open	
Contactor Status	Open	
Plug in Status	Not plugged in	
ChargingLevel	Plug in, but no charge	
Balance Mode	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	
HVIL Status -Vehicle	PASS	
HVIL Status - Battery pack	PASS	
Pump - Wire Open\Short to Gnd	PASS	
Pump - Dry Run Detection	PASS	
Pump - Overcurrent	PASS	
Pump - Overtemperature	PASS	
Pump - Switch Power Shorted	PASS	
Fault trigger level 1	False	
Fault trigger level 2	False	
Fault trigger level 3	False	
Fault Path	01	
Key - DriveRdy (CAN)	True	
Battery Cell Highest Cell number	88	
Battery Cell Lowest Cell number	40	
Battery Temperature Highest Sensor number	06	
Battery Temperature Lowest Sensor number	11	
Battery Temperature Number of Failing Sensors	00	
HV Cooling Pump Relay Drive	Not Sourced	
Pump - Battery Coolant Level Low	False	
Isolation Vehicle Diagnostic Status	Run and Passed	
Isolation Battery Diagnostic Status	Run and Passed	
BPCM Sec Asic Reset Req	Not Active	
BPCM Sec Asic Fault Input	Not Active	
BPCM Sec CC Path Test Active	Not Active	
BPCM L2 General Monitoring Flt Rsn	L2L1_CELL_MAX_V_CMP_FLT	
BPCM L2 CC Path Test Req	Undetermined	
BPCM L2 Contactor Dslb Req	Undetermined	
BPCM L2 ASIC Diagnostic Flt Rsn	ADCTest	
BPCM Sec HW Timer Status	Not Active	
BPCM Sec Contactor State	Open	
BPCM Main HW Timer Status	Not Active	
BPCM Sec Asic Fault State	NOTASSERTED	
Real Time Clock Validity	True	
DTC	C1 00 00	
Test Failed	False	
Test Failed This Operation Cycle	True	
Pending DTC	True	

Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number - All	01	
Occurrence flag	Error	
DTC Extended Data Record Number - 2	A6	
Frequency Counter	16	
Ignition Cycle Counter	1	
FoM - for this DTC (lifetime fails)	6	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
Vehicle mileage at time of fault (ODO signal in $3D2)	383.07	miles
Battery Lifetime Miles	667014	miles
Battery Total Time Awake	10158143	seconds
Vehicle Speed	0.0	MPH
System (12) Volts at time of fault	12.928	Volts
Battery Lifetime AmpHrs of DisCharge	311.4	AHr
Battery Lifetime AmpHrs of Charge	307.1	AHr
Power Up SOC at time of Fault	23.1	%
SOC at time of Fault	22.7	%
HVIL PWM Duty Cycle - Vehicle	50.2	%
HVIL PWM peak voltage Sensed - Vehicle	11.753	Volts
HVIL PWM peak voltage Sourced - Vehicle	11.794	Volts
HVIL PWM Frequency - Vehicle	87.9	Hz
HVIL Source Voltage- Battery	1.377	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	-0.05	Amps
HV Battery Current HVBatCrnt	0.00	Amps
HV Cooling Speed Pump 1 Target	0	rpm
HV Cooling Speed pump 1 Speed	0	rpm
Charge indicator Temp	100	°F
BPCM temperature max	90	°F
BPCM temperature min	84	°F
Isolation Circuitry Vb	2.501	Volts
WC and Circuitry 2.5V Reference Voltage	2.501	Volts
Isolation Circuitry Vd	0.000	Volts
Isolation Circuitry Va	2.500	Volts
WC and Circuitry Vcc Voltage	5.012	Volts
WC and CircuitryISO 8V Reference Voltage	7.980	Volts
WC and Circuitry Weld Contactor Sensor G (Pack Negative) Voltage	-1.8	Volts
HV Battery Charge Power 2sec	97980	watts

Cycles left to self heal	40	No Unit
HV Battery Charge Power 10sec	90339	watts
HV Battery Discharge Power 10sec	88539	watts
HV Battery Power	007530	watts
HV Battery Discharge Power 2sec	91338	watts
Battery Lifetime Number Of Closes	227	
Battery Full AmpHr Capacity	50	AmpHrs
Cell Impedance Max Discharge	0	mOhms
Cell Impedance Mim Discharge	0	mOhms
Battery Cell Voltage Maximum	3535	mV
Battery Cell Voltage Average	3532	mV
Battery Cell Voltage Minimum	3529	mV
HV Battery Voltage (cell sum)	339.10	Volts
HV Sensor A Pack Voltage	339.10	Volts
HV Battery Voltage (Module Sum)	338.10	Volts
HV Sensor C OBCM (HVOBC Fuse) Voltage	0.80	Volts
HV Sensor B Bus\Link (Pre-Fuse) Voltage	1.40	Volts
HV Sensor G Weld Contactor(Pack Negative) Voltage	-1.8	Volts
HV Sensor D Heater (HVHTR Fuse) Voltage	0.80	Volts
Battery Temperature Maximum Module	90	°F
Battery Temperature Minimum Module	84	°F
Battery Temperature Average Module	86	°F
HV Cooling Battery coolant inlet temp	111	°F
HV Cooling Battery coolant outlet temp	111	°F
HV Cooling OBCM temp inlet Temp	109	°F
Isolation Vehicle Impedance	7.4108	Mega Ohms
Isolation Battery Impedance	0.8480	Mega Ohms
HV Bat SOH-C	96.9	%
HV Bat SOH-R	13.3	%
BPCM Sec QA Error Counter	0	cnts
BPCM Sec MM Hw Reset Error Counter	0	cnts
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	
Most Recent Odometer Value	378	miles
Original Odometer Value	378	miles

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

NAME	VALUE	UNITS
Key in Ignition	Key_Def	
Key Position	Ign_ Run	
EPT -WakeUp	Not Sourced	

HCP Contactor Command	Closed	
Qualified Contactor Command - QCC	Closed	
Verified Contactor Command - VCC	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	
HVIL Status -Vehicle	Fail	
HVIL Status - Battery pack	PASS	
Pump - Wire Open\Short to Gnd	PASS	
Pump - Dry Run Detection	PASS	
Pump - Overcurrent	PASS	
Pump - Overtemperature	PASS	
Pump - Switch Power Shorted	PASS	
Fault trigger level 1	False	
Fault trigger level 2	False	
Fault trigger level 3	False	
Fault Path	01	
Key - DriveRdy (CAN)	True	
Battery Cell Highest Cell number	89	
Battery Cell Lowest Cell number	33	
Battery Temperature Highest Sensor number	09	
Battery Temperature Lowest Sensor number	06	
Battery Temperature Number of Failing Sensors	00	
HV Cooling Pump Relay Drive	Not Sourced	
Pump - Battery Coolant Level Low	False	
Isolation Vehicle Diagnostic Status	Run and Passed	
Isolation Battery Diagnostic Status	Run and Passed	
BPCM Sec Asic Reset Req	Not Active	
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	
Real Time Clock Validity	True	
DTC	1C DC 00	
Test Failed	True	

Test Failed This Operation Cycle	True	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number - All	01	
Occurrence flag	Error	
DTC Extended Data Record Number - 2	7E	
Frequency Counter	1	
FoM - for this DTC (lifetime fails)	1	events
FoM - for this DTC (lifetime fails counts on pass)	0.0000	seconds
Ignition Cycle Counter	0	
FoM - for this DTC (lifetime longest fail on pass)	0.000	seconds
Battery Total Time Awake	10497325	seconds
Vehicle mileage at time of fault (ODO signal in $3D2)	383.54	miles
Battery Lifetime Miles	667016	miles
Vehicle Speed	0.0	MPH
Battery Lifetime AmpHrs of Charge	310.9	AHr
Battery Lifetime AmpHrs of DisCharge	314.4	AHr
System (12) Volts at time of fault	12.236	Volts
Power Up SOC at time of Fault	24.7	%
SOC at time of Fault	23.9	%
HVIL PWM Frequency - Vehicle	0.0	Hz
HVIL PWM Duty Cycle - Vehicle	0.0	%
HVIL PWM peak voltage Sourced - Vehicle	11.366	Volts
HVIL PWM peak voltage Sensed - Vehicle	0.409	Volts
HVIL Source Voltage- Battery	1.377	Volts
HV Battery Current Sensor 1 Hall High	-0.85	Amps
HV Battery Current Sensor 2 Hall Low	0.15	Amps
HVIL Returned current - Battery	30.20	mA
HV Battery Current HVBatCrnt	0.15	Amps
HV Cooling Speed Pump 1 Target	725	rpm
HV Cooling Speed pump 1 Speed	0	rpm
BPCM temperature max	66	°F
BPCM temperature min	66	°F
Charge indicator Temp	77	°F
Isolation Circuitry Va	2.497	Volts
Isolation Circuitry Vb	2.501	Volts
Isolation Circuitry Vd	0.000	Volts
WC and Circuitry 2.5V Reference Voltage	2.501	Volts
WC and Circuitry Vcc Voltage	5.002	Volts
WC and Circuitry Weld Contactor Sensor G (Pack Negative) Voltage	0.2	Volts

WC and CircuitryISO 8V Reference Voltage	7.983	Volts
Cycles left to self heal	40	No Unit
HV Battery Charge Power 2sec	93477	watts
HV Battery Charge Power 10sec	89220	watts
HV Battery Discharge Power 2sec	89709	watts
HV Battery Power	007536	watts
HV Battery Discharge Power 10sec	85998	watts
Battery Lifetime Number Of Closes	256	
Battery Full AmpHr Capacity	50	AmpHrs
Cell Impedance Max Discharge	0	mOhms
Cell Impedance Mim Discharge	0	mOhms
Battery Cell Voltage Maximum	3557	mV
Battery Cell Voltage Average	3554	mV
Battery Cell Voltage Minimum	3551	mV
HV Battery Voltage (cell sum)	341.20	Volts
HV Battery Voltage (Module Sum)	340.30	Volts
HV Sensor A Pack Voltage	341.20	Volts
HV Sensor B Bus\Link (Pre-Fuse) Voltage	341.20	Volts
HV Sensor C OBCM (HVOBC Fuse) Voltage	341.20	Volts
HV Sensor D Heater (HVHTR Fuse) Voltage	341.20	Volts
HV Sensor G Weld Contactor(Pack Negative) Voltage	0.2	Volts
Battery Temperature Maximum Module	66	°F
Battery Temperature Minimum Module	66	°F
Battery Temperature Average Module	66	°F
HV Cooling Battery coolant inlet temp	64	°F
HV Cooling Battery coolant outlet temp	64	°F
HV Cooling OBCM temp inlet Temp	72	°F
Isolation Vehicle Impedance	7.9408	Mega Ohms
Isolation Battery Impedance	0.8480	Mega Ohms
HV Bat SOH-C	96.9	%
HV Bat SOH-R	12.9	%
BPCM Sec QA Error Counter	0	cnts
BPCM L2 SM Hw Reset Error Counter	0	No Unit
BPCM Sec MM Hw Reset Error Counter	0	cnts
Engine Speed	0	rpm
Real time clock-OS Task Delay Timer	0	
Accelerator position	7.5	%
Original Odometer Value	378	miles
Real time clock	429496.7295	seconds
Most Recent Odometer Value	378	miles

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

NAME	VALUE	UNITS
Key in Ignition	Key_Def	

Key Position	Ign_ Run	
EPT -WakeUp	Not Sourced	
HCP Contactor Command	Closed	
Verified Contactor Command - VCC	Closed Restricted	
Qualified Contactor Command - QCC	Closed	
Contactor Status	Closed	
Plug in Status	Not plugged in	
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	
HVIL Status -Vehicle	PASS	
HVIL Status - Battery pack	PASS	
Pump - Wire Open\Short to Gnd	PASS	
Pump - Dry Run Detection	PASS	
Pump - Overcurrent	PASS	
Pump - Overtemperature	PASS	
Pump - Switch Power Shorted	PASS	
Fault trigger level 2	False	
Fault trigger level 1	False	
Fault trigger level 3	False	
Fault Path	01	
Key - DriveRdy (CAN)	True	
Battery Cell Highest Cell number	89	
Battery Cell Lowest Cell number	41	
Battery Temperature Highest Sensor number	10	
Battery Temperature Lowest Sensor number	06	
Battery Temperature Number of Failing Sensors	00	
HV Cooling Pump Relay Drive	Not Sourced	
Isolation Vehicle Diagnostic Status	Run and Passed	
Pump - Battery Coolant Level Low	False	
Isolation Battery Diagnostic Status	Run and Passed	
BPCM Sec Asic Reset Req	Not Active	
BPCM 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 Contactor State	Close	
BPCM Sec HW Timer Status	Not Active	
BPCM Main HW Timer Status	Not Active	
BPCM Sec Asic Fault State	NOTASSERTED	
Real Time Clock Validity	True	

DTC	0A 0A 00	
Test Failed	False	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number - All	01	
Occurrence flag	Error	
DTC Extended Data Record Number - 2	04	
Ignition Cycle Counter	1	
Frequency Counter	1	
FoM - for this DTC (lifetime fails)	24	events
FoM - for this DTC (lifetime fails counts on pass)	0.5800	seconds
Battery Total Time Awake	10497323	seconds
FoM - for this DTC (lifetime longest fail on pass)	0.080	seconds
Vehicle mileage at time of fault (ODO signal in $3D2)	383.54	miles
Battery Lifetime Miles	667016	miles
Vehicle Speed	0.0	MPH
System (12) Volts at time of fault	12.228	Volts
Battery Lifetime AmpHrs of Charge	310.9	AHr
Battery Lifetime AmpHrs of DisCharge	314.4	AHr
SOC at time of Fault	23.9	%
Power Up SOC at time of Fault	24.7	%
HVIL PWM Frequency - Vehicle	0.0	Hz
HVIL PWM peak voltage Sourced - Vehicle	11.273	Volts
HVIL PWM Duty Cycle - Vehicle	0.0	%
HVIL Source Voltage- Battery	1.377	Volts
HVIL PWM peak voltage Sensed - Vehicle	0.800	Volts
HVIL Returned current - Battery	30.20	mA
HV Battery Current Sensor 1 Hall High	-1.45	Amps
HV Battery Current Sensor 2 Hall Low	0.00	Amps
HV Battery Current HVBatCrnt	0.25	Amps
HV Cooling Speed Pump 1 Target	0	rpm
Charge indicator Temp	77	°F
BPCM temperature max	66	°F
HV Cooling Speed pump 1 Speed	0	rpm
BPCM temperature min	66	°F
Isolation Circuitry Va	2.500	Volts
Isolation Circuitry Vb	2.465	Volts
Isolation Circuitry Vd	0.000	Volts
WC and Circuitry 2.5V Reference Voltage	2.501	Volts

WC and Circuitry Vcc Voltage	5.002	Volts
WC and CircuitryISO 8V Reference Voltage	7.983	Volts
WC and Circuitry Weld Contactor Sensor G (Pack Negative) Voltage	0.2	Volts
HV Battery Charge Power 2sec	93474	watts
Cycles left to self heal	40	No Unit
HV Battery Charge Power 10sec	89220	watts
HV Battery Discharge Power 2sec	89712	watts
HV Battery Discharge Power 10sec	85998	watts
HV Battery Power	007538	watts
Battery Lifetime Number Of Closes	256	
Battery Full AmpHr Capacity	50	AmpHrs
Cell Impedance Max Discharge	0	mOhms
Cell Impedance Mim Discharge	0	mOhms
Battery Cell Voltage Maximum	3557	mV
Battery Cell Voltage Average	3554	mV
Battery Cell Voltage Minimum	3551	mV
HV Battery Voltage (cell sum)	341.20	Volts
HV Battery Voltage (Module Sum)	340.20	Volts
HV Sensor A Pack Voltage	341.20	Volts
HV Sensor B Bus\Link (Pre-Fuse) Voltage	341.30	Volts
HV Sensor C OBCM (HVOBC Fuse) Voltage	341.20	Volts
HV Sensor D Heater (HVHTR Fuse) Voltage	341.30	Volts
HV Sensor G Weld Contactor(Pack Negative) Voltage	0.2	Volts
Battery Temperature Maximum Module	66	°F
Battery Temperature Minimum Module	66	°F
Battery Temperature Average Module	66	°F
HV Cooling Battery coolant inlet temp	64	°F
HV Cooling Battery coolant outlet temp	64	°F
HV Cooling OBCM temp inlet Temp	72	°F
Isolation Vehicle Impedance	7.9408	Mega Ohms
HV Bat SOH-R	12.9	%
Isolation Battery Impedance	0.8480	Mega Ohms
HV Bat SOH-C	96.9	%
BPCM Sec QA Error Counter	0	cnts
BPCM Sec MM Hw Reset Error Counter	0	cnts
BPCM L2 SM Hw Reset Error Counter	0	No Unit
Accelerator position	7.5	%
Engine Speed	0	rpm
Real time clock-OS Task Delay Timer	0	
Real time clock	429496.7295	seconds
Original Odometer Value	378	miles
Most Recent Odometer Value	378	miles

HCP | P2185-00 | Pending | Engine Coolant Temperature Sensor 2 Circuit High-

NAME	VALUE	UNITS
DTC	21 85 00	
Test Failed	False	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Confirmed DTC	False	
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		
Brake Switch Status		
PHEV Charging Status		
Ignition State		
PRND Position Display		
Propulsion System Active		
Thermal System Enable State		
High Temperature Shut-Off Valve Status		
Front Refrigerant Shut-Off Valve Status		
Chiller Shut-Off Valve Status		
Hybrid System State		
CBC Wake-Up Input		
EPT LOC Diag Enable		
HV Contactor Status		
APM Status		
Impact Event		
HCP System Shutdown Command		
OBCM Operating Mode		
J1772 Prox Detected State		
Original Odometer Value		miles
Most Recent Odometer Value		miles
Frequency Counter		
Real time clock		sec
Ignition Cycle Counter		
RAM stamps keyOn		sec
RAM Stamps		Min
Accelerator Pedal Position		%
Engine Speed		rpm
HV Battery SOC		%
Vehicle Speed		MPH
Barometric Pressure		PSI
Engine Coolant Temperature		°F
Passive Pump Coolant Temp In Sensor		°F
A/C Refrigerant Pressure		PSI

Electric Coolant Heater Temp Sensor		°F
Heater Core Coolant Temp Sensor		°F
Motor A Temp Sensor		°F
Motor B Temp Sensor		°F
Outside Air Temperature		°F
EAC Compressor Speed		rpm
High Temp Cabin Valve Feedback		degrees
Radiator Fan Duty Cycle		%
HV Coolant Heater - Measured Coolant Inlet Temp		°F
HV Coolant Heater - Measured Coolant Outlet Temp		°F
Low Temp Passive Pump - Temperature		°F
Low Temp Active Pump - Temperature		°F
Battery Feed Voltage 2 Sense		Volts
Battery Feed Voltage 3 Sense		Volts
Internal EPS Voltage Sense A		Volts
Internal EPS Voltage Sense B		Volts
Actual Torque - Motor B		Ft-Lbs
Battery Feed Voltage 1 Sense		Volts
Available Motor Torque - Motor B		Ft-Lbs
Available Motor Torque - Motor A		Ft-Lbs
Available Regen Torque - Motor A		Ft-Lbs
Commanded Torque - Motor A		Ft-Lbs
Available Regen Torque - Motor B		Ft-Lbs
Commanded Torque - Motor B		Ft-Lbs
Motor A - Inverter Current - phase B		AMP
Motor A - Inverter Current - phase A		AMP
Motor A - Inverter Current - phase C		AMP
Motor B - Inverter Current - phase A		AMP
Motor B - Inverter Current - phase C		AMP
Motor B - Inverter Current - phase B		AMP
Motor B Resolver Angle		Degree
Motor A Resolver Angle		Degree
Electric Motor A Speed		rpm
HV Battery Voltage from BPCM		Volts
Electric Motor B Speed		rpm
PIM DC Link Voltage - A		Volts
PIM DC Link Voltage - B		Volts
Inverter A IGBT Temperature for phase A		°F
Inverter A IGBT Temperature for phase C		°F
Inverter A IGBT Temperature for phase B		°F
Inverter B IGBT Temperature for phase A		°F
Inverter B IGBT Temperature for phase B		°F
Inverter B IGBT Temperature for phase C		°F
Distance Travelled with Light ON		miles

Motor A Torque		Ft-Lbs
Motor B Torque		Ft-Lbs
HV Battery Sleep Time		Days
GPS Date - Year		Year
GPS Date - Month		
GPS Date - Day		Days
UTC Time - Minutes		
UTC Time - Hours		Hours
UTC Time - Seconds		seconds
ECU Time - Milliseconds		ms

HCP | P2534-00 | Stored | Ignition Switch On/Start Position Circuit Low-

NAME	VALUE	UNITS
DTC	25 34 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	
Brake Switch Status	Not Applied	
Ignition State	Reserved	
PRND Position Display	P	
Propulsion System Active	False	
HCP ePT Wake-Up Output	On	
CBC Wake-Up Input	Off	
HCP System Shutdown Command	Default	
SW Build Release Version	PIM_21B_2007B0_RU_HCP___	
HCP SW Version	21B	
EPT LOC Diag Enable	Enable LOC Diagnostic	
HV Contactor Status	Closed	
APM Status	Idle	
Impact Event	False	
OBCM Operating Mode	UTC	
J1772 Prox Detected State	Prox Out	
Hybrid System State	SNA	
PHEV Charging Status	No Charging	
Most Recent Odometer Value	383.6	miles
Original Odometer Value	383.6	miles
Frequency Counter	1	
Ignition Cycle Counter	0	

Real time clock	10497322	sec
RAM stamps keyOn	1710	sec
RAM Stamps	5190	Min
Accelerator Pedal Position	0	%
Engine Speed	0	rpm
HV Battery SOC	24	%
Vehicle Speed	0.0000	MPH
Motor A Temp Sensor	75	°F
Motor B Temp Sensor	72	°F
Barometric Pressure	14	PSI
Engine Coolant Temperature	93	°F
Internal EPS Voltage Sense A	8.208	Volts
Motor A Torque	0.000	Ft-Lbs
Motor B Torque	-0.092	Ft-Lbs
Internal EPS Voltage Sense B	8.136	Volts
Actual Torque - Motor A	0.000	Ft-Lbs
Actual Torque - Motor B	-0.092	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
Motor A - Inverter Current - phase A	0	AMP
Commanded Torque - Motor B	0.000	Ft-Lbs
Motor A - Inverter Current - phase C	-4	AMP
Motor B - Inverter Current - phase A	0	AMP
Motor A - Inverter Current - phase B	-4	AMP
Motor B - Inverter Current - phase B	-4	AMP
Motor B - Inverter Current - phase C	0	AMP
Motor B Resolver Angle	18	Degree
Motor A Resolver Angle	164	Degree
Electric Motor A Speed	0.0	rpm
Electric Motor B Speed	0.0	rpm
PIM DC Link Voltage - B	343	Volts
PIM DC Link Voltage - A	342	Volts
HV Battery Voltage from BPCM	342.50	Volts
Outside Air Temperature	69.8	°F
HV Battery Sleep Time	0	Days
Battery Feed Voltage 1 Sense	12.096	Volts
Battery Feed Voltage 2 Sense	11.952	Volts
Battery Feed Voltage 3 Sense	12.168	Volts
Inverter A IGBT Temperature for phase A	111	°F
Inverter A IGBT Temperature for phase B	115	°F
Inverter B IGBT Temperature for phase A	113	°F

Inverter A IGBT Temperature for phase C	113	°F
Inverter B IGBT Temperature for phase B	115	°F
Inverter B IGBT Temperature for phase C	109	°F
Distance Travelled with Light ON	0	miles
GPS Date - Year	2021	Year
GPS Date - Month	4	
GPS Date - Day	5	Days
UTC Time - Hours	17	Hours
UTC Time - Minutes	5	
UTC Time - Seconds	1	seconds
ECU Time - Milliseconds	931	ms

HCP | P2611-00 | Pending | A/C Refrigerant Distribution Valve Control Circuit/Open-

NAME	VALUE	UNITS
DTC	26 11 00	
Test Failed	False	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Confirmed DTC	False	
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		
Brake Switch Status		
PHEV Charging Status		
Ignition State		
PRND Position Display		
Propulsion System Active		
Thermal System Enable State		
High Temperature Shut-Off Valve Status		
Front Refrigerant Shut-Off Valve Status		
Chiller Shut-Off Valve Status		
Hybrid System State		
CBC Wake-Up Input		
EPT LOC Diag Enable		
HV Contactor Status		
APM Status		
Impact Event		
HCP System Shutdown Command		
OBCM Operating Mode		
J1772 Prox Detected State		
Original Odometer Value		miles
Most Recent Odometer Value		miles

Frequency Counter		
Ignition Cycle Counter		
Real time clock		sec
RAM Stamps		Min
RAM stamps keyOn		sec
Accelerator Pedal Position		%
Engine Speed		rpm
HV Battery SOC		%
Vehicle Speed		MPH
Barometric Pressure		PSI
A/C Refrigerant Pressure		PSI
Engine Coolant Temperature		°F
Passive Pump Coolant Temp In Sensor		°F
Electric Coolant Heater Temp Sensor		°F
Heater Core Coolant Temp Sensor		°F
Motor A Temp Sensor		°F
Motor B Temp Sensor		°F
Outside Air Temperature		°F
EAC Compressor Speed		rpm
High Temp Cabin Valve Feedback		degrees
HV Coolant Heater - Measured Coolant Inlet Temp		°F
Radiator Fan Duty Cycle		%
Low Temp Passive Pump - Temperature		°F
HV Coolant Heater - Measured Coolant Outlet Temp		°F
Battery Feed Voltage 2 Sense		Volts
Low Temp Active Pump - Temperature		°F
Battery Feed Voltage 3 Sense		Volts
Internal EPS Voltage Sense A		Volts
Internal EPS Voltage Sense B		Volts
Battery Feed Voltage 1 Sense		Volts
Actual Torque - Motor B		Ft-Lbs
Available Motor Torque - Motor A		Ft-Lbs
Available Motor Torque - Motor B		Ft-Lbs
Available Regen Torque - Motor A		Ft-Lbs
Available Regen Torque - Motor B		Ft-Lbs
Commanded Torque - Motor A		Ft-Lbs
Commanded Torque - Motor B		Ft-Lbs
Motor A - Inverter Current - phase B		AMP
Motor A - Inverter Current - phase A		AMP
Motor A - Inverter Current - phase C		AMP
Motor B - Inverter Current - phase A		AMP
Motor B - Inverter Current - phase B		AMP
Motor A Resolver Angle		Degree
Motor B - Inverter Current - phase C		AMP

Motor B Resolver Angle		Degree
HV Battery Voltage from BPCM		Volts
Electric Motor A Speed		rpm
Electric Motor B Speed		rpm
PIM DC Link Voltage - B		Volts
PIM DC Link Voltage - A		Volts
Inverter A IGBT Temperature for phase A		°F
Inverter A IGBT Temperature for phase B		°F
Inverter B IGBT Temperature for phase A		°F
Inverter A IGBT Temperature for phase C		°F
Inverter B IGBT Temperature for phase B		°F
Inverter B IGBT Temperature for phase C		°F
Distance Travelled with Light ON		miles
Motor A Torque		Ft-Lbs
Motor B Torque		Ft-Lbs
HV Battery Sleep Time		Days
GPS Date - Month		
GPS Date - Year		Year
UTC Time - Hours		Hours
GPS Date - Day		Days
UTC Time - Minutes		
UTC Time - Seconds		seconds
ECU Time - Milliseconds		ms

HCP | P01E6-00 | Pending | Engine Coolant Temperature Sensor 3 Circuit High-

NAME	VALUE	UNITS
DTC	01 E6 00	
Test Failed	False	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Confirmed DTC	False	
Test Not Completed Since Last Clear	False	
Test Not Completed This Operation Cycle	False	
Test Failed Since Last Clear	True	
Warning Indicator Requested	False	
Occurrence flag		
Brake Switch Status		
PHEV Charging Status		
PRND Position Display		
Propulsion System Active		
Ignition State		
Thermal System Enable State		
High Temperature Shut-Off Valve Status		
Front Refrigerant Shut-Off Valve Status		

Chiller Shut-Off Valve Status		
Hybrid System State		
CBC Wake-Up Input		
EPT LOC Diag Enable		
HV Contactor Status		
APM Status		
Impact Event		
HCP System Shutdown Command		
OBCM Operating Mode		
J1772 Prox Detected State		
Original Odometer Value		miles
Most Recent Odometer Value		miles
Ignition Cycle Counter		
Frequency Counter		
RAM stamps keyOn		sec
Real time clock		sec
RAM Stamps		Min
Accelerator Pedal Position		%
Engine Speed		rpm
HV Battery SOC		%
Vehicle Speed		MPH
Barometric Pressure		PSI
Engine Coolant Temperature		°F
A/C Refrigerant Pressure		PSI
Passive Pump Coolant Temp In Sensor		°F
Electric Coolant Heater Temp Sensor		°F
Heater Core Coolant Temp Sensor		°F
Motor A Temp Sensor		°F
Motor B Temp Sensor		°F
Outside Air Temperature		°F
EAC Compressor Speed		rpm
High Temp Cabin Valve Feedback		degrees
Radiator Fan Duty Cycle		%
HV Coolant Heater - Measured Coolant Inlet Temp		°F
HV Coolant Heater - Measured Coolant Outlet Temp		°F
Low Temp Passive Pump - Temperature		°F
Low Temp Active Pump - Temperature		°F
Battery Feed Voltage 2 Sense		Volts
Battery Feed Voltage 3 Sense		Volts
Internal EPS Voltage Sense A		Volts
Internal EPS Voltage Sense B		Volts
Battery Feed Voltage 1 Sense		Volts
Actual Torque - Motor B		Ft-Lbs
Available Motor Torque - Motor A		Ft-Lbs

Available Motor Torque - Motor B		Ft-Lbs
Available Regen Torque - Motor A		Ft-Lbs
Available Regen Torque - Motor B		Ft-Lbs
Commanded Torque - Motor A		Ft-Lbs
Commanded Torque - Motor B		Ft-Lbs
Motor A - Inverter Current - phase A		AMP
Motor A - Inverter Current - phase B		AMP
Motor A - Inverter Current - phase C		AMP
Motor B - Inverter Current - phase B		AMP
Motor B - Inverter Current - phase A		AMP
Motor B - Inverter Current - phase C		AMP
Motor B Resolver Angle		Degree
Motor A Resolver Angle		Degree
HV Battery Voltage from BPCM		Volts
Electric Motor B Speed		rpm
PIM DC Link Voltage - A		Volts
PIM DC Link Voltage - B		Volts
Electric Motor A Speed		rpm
Inverter A IGBT Temperature for phase A		°F
Inverter A IGBT Temperature for phase B		°F
Inverter A IGBT Temperature for phase C		°F
Inverter B IGBT Temperature for phase A		°F
Inverter B IGBT Temperature for phase B		°F
Inverter B IGBT Temperature for phase C		°F
Motor A Torque		Ft-Lbs
Distance Travelled with Light ON		miles
Motor B Torque		Ft-Lbs
GPS Date - Year		Year
HV Battery Sleep Time		Days
GPS Date - Month		
GPS Date - Day		Days
UTC Time - Hours		Hours
UTC Time - Minutes		
UTC Time - Seconds		seconds
ECU Time - Milliseconds		ms

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

NAME	VALUE	UNITS
DTC	05 13 00	
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	

Confirmed DTC	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
Occurrence flag	Occurrence	
Brake Switch Status	Not Applied	
Ignition State	Reserved	
PRND Position Display	P	
Propulsion System Active	False	
HCP ePT Wake-Up Output	On	
CBC Wake-Up Input	Off	
HCP System Shutdown Command	Default	
SW Build Release Version	PIM_21B_2007B0_RU_HCP___	
HCP SW Version	21B	
EPT LOC Diag Enable	Enable LOC Diagnostic	
HV Contactor Status	Closed	
APM Status	Idle	
Impact Event	False	
OBCM Operating Mode	UTC	
J1772 Prox Detected State	Prox Out	
Hybrid System State	High Voltage Enabled	
PHEV Charging Status	No Charging	
Original Odometer Value	101.2	miles
Most Recent Odometer Value	383.3	miles
Frequency Counter	3	
Ignition Cycle Counter	0	
Real time clock	10168068	sec
RAM stamps keyOn	900	sec
RAM Stamps	5099	Min
Accelerator Pedal Position	0	%
Engine Speed	0	rpm
HV Battery SOC	22	%
Vehicle Speed	0.0000	MPH
Motor A Temp Sensor	135	°F
Motor B Temp Sensor	136	°F
Engine Coolant Temperature	176	°F
Internal EPS Voltage Sense A	8.208	Volts
Barometric Pressure	15	PSI
Internal EPS Voltage Sense B	8.136	Volts
Motor A Torque	0.000	Ft-Lbs
Motor B Torque	0.000	Ft-Lbs
Actual Torque - Motor A	0.000	Ft-Lbs
Available Motor Torque - Motor A	87.205	Ft-Lbs
Actual Torque - Motor B	0.000	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	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	0	AMP
Motor B Resolver Angle	108	Degree
Motor A Resolver Angle	104	Degree
Electric Motor A Speed	2.0	rpm
Electric Motor B Speed	0.0	rpm
PIM DC Link Voltage - A	340	Volts
PIM DC Link Voltage - B	341	Volts
HV Battery Voltage from BPCM	340.40	Volts
Outside Air Temperature	94.1	°F
HV Battery Sleep Time	0	Days
Battery Feed Voltage 1 Sense	12.816	Volts
Battery Feed Voltage 2 Sense	12.816	Volts
Battery Feed Voltage 3 Sense	12.888	Volts
Inverter A IGBT Temperature for phase A	131	°F
Inverter A IGBT Temperature for phase B	129	°F
Inverter A IGBT Temperature for phase C	129	°F
Inverter B IGBT Temperature for phase A	129	°F
Inverter B IGBT Temperature for phase B	129	°F
Inverter B IGBT Temperature for phase C	129	°F
Distance Travelled with Light ON	0	miles
GPS Date - Year	2021	Year
GPS Date - Month	4	
GPS Date - Day	1	Days
UTC Time - Hours	21	Hours
UTC Time - Minutes	38	
UTC Time - Seconds	0	seconds
ECU Time - Milliseconds	38	ms

HCP | P0533-00 | Pending | A/C Pressure Sensor Circuit High-

NAME	VALUE	UNITS
DTC	05 33 00	
Test Failed	False	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Confirmed DTC	False	

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		
Brake Switch Status		
PHEV Charging Status		
Ignition State		
PRND Position Display		
Propulsion System Active		
Thermal System Enable State		
High Temperature Shut-Off Valve Status		
Front Refrigerant Shut-Off Valve Status		
Chiller Shut-Off Valve Status		
Hybrid System State		
CBC Wake-Up Input		
EPT LOC Diag Enable		
HV Contactor Status		
APM Status		
Impact Event		
HCP System Shutdown Command		
OBCM Operating Mode		
J1772 Prox Detected State		
Original Odometer Value		miles
Most Recent Odometer Value		miles
Frequency Counter		
Ignition Cycle Counter		
Real time clock		sec
RAM stamps keyOn		sec
RAM Stamps		Min
Accelerator Pedal Position		%
Engine Speed		rpm
HV Battery SOC		%
Vehicle Speed		MPH
Barometric Pressure		PSI
Engine Coolant Temperature		°F
Passive Pump Coolant Temp In Sensor		°F
A/C Refrigerant Pressure		PSI
Electric Coolant Heater Temp Sensor		°F
Heater Core Coolant Temp Sensor		°F
Motor A Temp Sensor		°F
Motor B Temp Sensor		°F
Outside Air Temperature		°F
EAC Compressor Speed		rpm

High Temp Cabin Valve Feedback		degrees
Radiator Fan Duty Cycle		%
HV Coolant Heater - Measured Coolant Inlet Temp		°F
HV Coolant Heater - Measured Coolant Outlet Temp		°F
Low Temp Passive Pump - Temperature		°F
Low Temp Active Pump - Temperature		°F
Battery Feed Voltage 2 Sense		Volts
Battery Feed Voltage 3 Sense		Volts
Internal EPS Voltage Sense A		Volts
Internal EPS Voltage Sense B		Volts
Battery Feed Voltage 1 Sense		Volts
Actual Torque - Motor B		Ft-Lbs
Available Motor Torque - Motor A		Ft-Lbs
Available Motor Torque - Motor B		Ft-Lbs
Available Regen Torque - Motor A		Ft-Lbs
Available Regen Torque - Motor B		Ft-Lbs
Commanded Torque - Motor A		Ft-Lbs
Motor A - Inverter Current - phase A		AMP
Commanded Torque - Motor B		Ft-Lbs
Motor A - Inverter Current - phase B		AMP
Motor A - Inverter Current - phase C		AMP
Motor B - Inverter Current - phase A		AMP
Motor B - Inverter Current - phase B		AMP
Motor B - Inverter Current - phase C		AMP
Motor A Resolver Angle		Degree
Motor B Resolver Angle		Degree
HV Battery Voltage from BPCM		Volts
Electric Motor A Speed		rpm
Electric Motor B Speed		rpm
PIM DC Link Voltage - A		Volts
PIM DC Link Voltage - B		Volts
Inverter A IGBT Temperature for phase A		°F
Inverter A IGBT Temperature for phase B		°F
Inverter A IGBT Temperature for phase C		°F
Inverter B IGBT Temperature for phase B		°F
Inverter B IGBT Temperature for phase C		°F
Distance Travelled with Light ON		miles
Inverter B IGBT Temperature for phase A		°F
Motor A Torque		Ft-Lbs
Motor B Torque		Ft-Lbs
HV Battery Sleep Time		Days
GPS Date - Year		Year
GPS Date - Month		
GPS Date - Day		Days

UTC Time - Hours		Hours
UTC Time - Minutes		
UTC Time - Seconds		seconds
ECU Time - Milliseconds		ms

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

NAME	VALUE	UNITS
DTC	05 62 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	
Brake Switch Status	Not Applied	
Ignition State	Reserved	
PRND Position Display	P	
Propulsion System Active	False	
HCP ePT Wake-Up Output	On	
CBC Wake-Up Input	Off	
HCP System Shutdown Command	Default	
SW Build Release Version	PIM_21B_2007B0_RU_HCP___	
HCP SW Version	21B	
EPT LOC Diag Enable	Enable LOC Diagnostic	
HV Contactor Status	Closed	
APM Status	Idle	
Impact Event	False	
OBCM Operating Mode	UTC	
J1772 Prox Detected State	Prox Out	
Hybrid System State	SNA	
PHEV Charging Status	No Charging	
Original Odometer Value	383.6	miles
Most Recent Odometer Value	383.6	miles
Frequency Counter	1	
Ignition Cycle Counter	0	
Real time clock	10497322	sec
RAM stamps keyOn	1710	sec
RAM Stamps	5190	Min
Accelerator Pedal Position	0	%
Engine Speed	0	rpm
HV Battery SOC	24	%

Vehicle Speed	0.0000	MPH
Motor A Temp Sensor	75	°F
Motor B Temp Sensor	72	°F
Barometric Pressure	14	PSI
Engine Coolant Temperature	93	°F
Internal EPS Voltage Sense A	8.208	Volts
Internal EPS Voltage Sense B	8.136	Volts
Motor A Torque	0.000	Ft-Lbs
Motor B Torque	0.000	Ft-Lbs
Actual Torque - Motor A	0.000	Ft-Lbs
Available Motor Torque - Motor A	87.205	Ft-Lbs
Actual Torque - Motor B	0.000	Ft-Lbs
Available Motor Torque - Motor B	232.301	Ft-Lbs
Available Regen Torque - Motor A	-87.205	Ft-Lbs
Available Regen Torque - Motor B	-232.301	Ft-Lbs
Commanded Torque - Motor A	0.000	Ft-Lbs
Commanded Torque - Motor B	0.000	Ft-Lbs
Motor A - Inverter Current - phase A	-4	AMP
Motor A - Inverter Current - phase B	-4	AMP
Motor A - Inverter Current - phase C	0	AMP
Motor B - Inverter Current - phase B	-4	AMP
Motor B - Inverter Current - phase A	-4	AMP
Motor B - Inverter Current - phase C	-4	AMP
Motor B Resolver Angle	18	Degree
Motor A Resolver Angle	164	Degree
Electric Motor A Speed	0.0	rpm
Electric Motor B Speed	0.0	rpm
PIM DC Link Voltage - A	342	Volts
PIM DC Link Voltage - B	343	Volts
HV Battery Voltage from BPCM	342.50	Volts
Outside Air Temperature	69.8	°F
HV Battery Sleep Time	0	Days
Battery Feed Voltage 1 Sense	12.096	Volts
Battery Feed Voltage 2 Sense	10.368	Volts
Battery Feed Voltage 3 Sense	6.336	Volts
Inverter A IGBT Temperature for phase A	111	°F
Inverter A IGBT Temperature for phase B	115	°F
Inverter A IGBT Temperature for phase C	111	°F
Inverter B IGBT Temperature for phase A	113	°F
Inverter B IGBT Temperature for phase B	113	°F
Inverter B IGBT Temperature for phase C	109	°F
Distance Travelled with Light ON	0	miles
GPS Date - Year	2021	Year
GPS Date - Day	5	Days

UTC Time - Hours	17	Hours
GPS Date - Month	4	
UTC Time - Minutes	5	
UTC Time - Seconds	1	seconds
ECU Time - Milliseconds	456	ms

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

NAME	VALUE	UNITS
DTC	0A 0A 00	
Test Failed	False	
Test Failed This Operation Cycle	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	
Brake Switch Status	Not Applied	
Ignition State	Reserved	
PRND Position Display	P	
Propulsion System Active	False	
HCP ePT Wake-Up Output	On	
CBC Wake-Up Input	Off	
HCP System Shutdown Command	Default	
SW Build Release Version	PIM_21B_2007B0_RU_HCP___	
HCP SW Version	21B	
EPT LOC Diag Enable	Enable LOC Diagnostic	
HV Contactor Status	Closed	
APM Status	Idle	
Impact Event	False	
OBCM Operating Mode	UTC	
J1772 Prox Detected State	Prox Out	
Hybrid System State	SNA	
PHEV Charging Status	No Charging	
Original Odometer Value	383.6	miles
Most Recent Odometer Value	383.6	miles
Frequency Counter	1	
Real time clock	10497322	sec
Ignition Cycle Counter	0	
RAM stamps keyOn	1710	sec
RAM Stamps	5190	Min
Accelerator Pedal Position	0	%
Engine Speed	0	rpm

HV Battery SOC	24	%
Vehicle Speed	0.0000	MPH
Motor A Temp Sensor	75	°F
Motor B Temp Sensor	72	°F
Barometric Pressure	14	PSI
Engine Coolant Temperature	93	°F
Internal EPS Voltage Sense A	8.208	Volts
Internal EPS Voltage Sense B	8.136	Volts
Motor A Torque	0.000	Ft-Lbs
Motor B Torque	-0.092	Ft-Lbs
Actual Torque - Motor A	0.000	Ft-Lbs
Actual Torque - Motor B	-0.092	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	0	AMP
Motor B - Inverter Current - phase A	0	AMP
Motor A - Inverter Current - phase C	-4	AMP
Motor B - Inverter Current - phase C	0	AMP
Motor B Resolver Angle	18	Degree
Motor B - Inverter Current - phase B	-4	AMP
Motor A Resolver Angle	164	Degree
Electric Motor A Speed	0.5	rpm
PIM DC Link Voltage - A	342	Volts
Electric Motor B Speed	0.0	rpm
HV Battery Voltage from BPCM	342.60	Volts
PIM DC Link Voltage - B	343	Volts
Outside Air Temperature	69.8	°F
HV Battery Sleep Time	0	Days
Battery Feed Voltage 1 Sense	12.096	Volts
Battery Feed Voltage 2 Sense	12.096	Volts
Battery Feed Voltage 3 Sense	12.168	Volts
Inverter A IGBT Temperature for phase A	111	°F
Inverter A IGBT Temperature for phase B	115	°F
Inverter A IGBT Temperature for phase C	113	°F
Inverter B IGBT Temperature for phase A	113	°F
Inverter B IGBT Temperature for phase B	115	°F
Inverter B IGBT Temperature for phase C	109	°F
Distance Travelled with Light ON	0	miles
GPS Date - Year	2021	Year

GPS Date - Month	4	
GPS Date - Day	5	Days
UTC Time - Hours	17	Hours
UTC Time - Minutes	5	
UTC Time - Seconds	1	seconds
ECU Time - Milliseconds	500	ms

HCP | P0C43-00 | Active | Hybrid Battery Pack Coolant Inlet Temperature Sensor Circuit Range/Performance-

NAME	VALUE	UNITS
DTC	0C 43 00	
Test Failed	True	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Confirmed DTC	False	
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		
Brake Switch Status		
PHEV Charging Status		
Ignition State		
PRND Position Display		
Propulsion System Active		
Thermal System Enable State		
High Temperature Shut-Off Valve Status		
Front Refrigerant Shut-Off Valve Status		
Chiller Shut-Off Valve Status		
Hybrid System State		
EPT LOC Diag Enable		
CBC Wake-Up Input		
HV Contactor Status		
APM Status		
Impact Event		
HCP System Shutdown Command		
OBCM Operating Mode		
J1772 Prox Detected State		
Original Odometer Value		miles
Most Recent Odometer Value		miles
Frequency Counter		
Ignition Cycle Counter		
Real time clock		sec
RAM Stamps		Min
RAM stamps keyOn		sec

Accelerator Pedal Position		%
Engine Speed		rpm
HV Battery SOC		%
Barometric Pressure		PSI
Vehicle Speed		MPH
Engine Coolant Temperature		°F
A/C Refrigerant Pressure		PSI
Passive Pump Coolant Temp In Sensor		°F
Electric Coolant Heater Temp Sensor		°F
Heater Core Coolant Temp Sensor		°F
Motor A Temp Sensor		°F
Motor B Temp Sensor		°F
Outside Air Temperature		°F
EAC Compressor Speed		rpm
High Temp Cabin Valve Feedback		degrees
Radiator Fan Duty Cycle		%
HV Coolant Heater - Measured Coolant Inlet Temp		°F
HV Coolant Heater - Measured Coolant Outlet Temp		°F
Low Temp Passive Pump - Temperature		°F
Low Temp Active Pump - Temperature		°F
Battery Feed Voltage 2 Sense		Volts
Battery Feed Voltage 3 Sense		Volts
Internal EPS Voltage Sense A		Volts
Internal EPS Voltage Sense B		Volts
Battery Feed Voltage 1 Sense		Volts
Actual Torque - Motor B		Ft-Lbs
Available Motor Torque - Motor A		Ft-Lbs
Available Motor Torque - Motor B		Ft-Lbs
Available Regen Torque - Motor A		Ft-Lbs
Available Regen Torque - Motor B		Ft-Lbs
Commanded Torque - Motor A		Ft-Lbs
Commanded Torque - Motor B		Ft-Lbs
Motor A - Inverter Current - phase B		AMP
Motor A - Inverter Current - phase A		AMP
Motor A - Inverter Current - phase C		AMP
Motor B - Inverter Current - phase A		AMP
Motor B - Inverter Current - phase B		AMP
Motor B - Inverter Current - phase C		AMP
Motor A Resolver Angle		Degree
Motor B Resolver Angle		Degree
HV Battery Voltage from BPCM		Volts
Electric Motor B Speed		rpm
Electric Motor A Speed		rpm
PIM DC Link Voltage - A		Volts

PIM DC Link Voltage - B		Volts
Inverter A IGBT Temperature for phase A		°F
Inverter A IGBT Temperature for phase B		°F
Inverter A IGBT Temperature for phase C		°F
Inverter B IGBT Temperature for phase A		°F
Inverter B IGBT Temperature for phase B		°F
Inverter B IGBT Temperature for phase C		°F
Distance Travelled with Light ON		miles
Motor A Torque		Ft-Lbs
Motor B Torque		Ft-Lbs
HV Battery Sleep Time		Days
GPS Date - Year		Year
GPS Date - Day		Days
GPS Date - Month		
UTC Time - Hours		Hours
UTC Time - Minutes		
UTC Time - Seconds		seconds
ECU Time - Milliseconds		ms

HCP | P0C4A-00 | Active | Hybrid/EV Battery Pack Coolant Pump "A" Control Performance-

NAME	VALUE	UNITS
Pending DTC	True	
Test Failed	True	
Test Not Completed Since Last Clear	False	
Confirmed DTC	False	
DTC	0C 4A 00	
Test Failed This Operation Cycle	True	
Occurrence flag		
Test Failed Since Last Clear	True	
Warning Indicator Requested	False	
Test Not Completed This Operation Cycle	False	
PHEV Charging Status		
Brake Switch Status		
PRND Position Display		
Low Temp Active Pump - RPM Monitoring		
Propulsion System Active		
Ignition State		
Low Temp Active Pump - Limp Home		
Low Temp Active Pump - Post Running Mode Status		
Low Temp Active Pump - Voltage Error		
Low Temp Active Pump - Node Error		
Low Temp Active Pump - Over Temperature		
Low Temp Active Pump - Over Current		
Low Temp Active Pump - Deblocking		

Low Temp Active Pump - Response Error		
Low Temp Active Pump - Dry Run		
Low Temp Active Pump - Fail Safe		
Hybrid System State		
EPT LOC Diag Enable		
HV Contactor Status		
HCP ePT Wake-Up Output		
CBC Wake-Up Input		
APM Status		
Impact Event		
OBCM Operating Mode		
J1772 Prox Detected State		
HCP System Shutdown Command		
Most Recent Odometer Value		miles
RAM Stamps		Min
Original Odometer Value		miles
RAM stamps keyOn		sec
Accelerator Pedal Position		%
Frequency Counter		
HV Battery SOC		%
Ignition Cycle Counter		
Engine Coolant Temperature		°F
Vehicle Speed		MPH
Real time clock		sec
Engine Speed		rpm
Low Temp Active Pump - Temperature		°F
Barometric Pressure		PSI
Battery Feed Voltage 3 Sense		Volts
Low Temp Active Pump - Target Speed		rpm
Internal EPS Voltage Sense B		Volts
Low Temp Active Pump - Current		AMP
Low Temp Active Pump - Actual Speed		rpm
Battery Feed Voltage 2 Sense		Volts
Internal EPS Voltage Sense A		Volts
Low Temp Active Pump - Voltage		Volts
Actual Torque - Motor B		Ft-Lbs
Battery Feed Voltage 1 Sense		Volts
Available Motor Torque - Motor A		Ft-Lbs
Available Motor Torque - Motor B		Ft-Lbs
Available Regen Torque - Motor B		Ft-Lbs
Available Regen Torque - Motor A		Ft-Lbs
Commanded Torque - Motor B		Ft-Lbs
Actual Torque - Motor A		Ft-Lbs
Motor B - Inverter Current - phase C		AMP

Motor A - Inverter Current - phase B		AMP
Motor A - Inverter Current - phase C		AMP
Motor B - Inverter Current - phase A		AMP
Commanded Torque - Motor A		Ft-Lbs
Motor B Resolver Angle		Degree
Motor A - Inverter Current - phase A		AMP
Motor B Temp Sensor		°F
Motor B - Inverter Current - phase B		AMP
Electric Motor B Speed		rpm
Electric Motor A Speed		rpm
PIM DC Link Voltage - B		Volts
Inverter A IGBT Temperature for phase A		°F
HV Battery Voltage from BPCM		Volts
Motor A Temp Sensor		°F
PIM DC Link Voltage - A		Volts
Outside Air Temperature		°F
Inverter B IGBT Temperature for phase C		°F
Inverter B IGBT Temperature for phase B		°F
Motor A Resolver Angle		Degree
GPS Date - Month		
Inverter A IGBT Temperature for phase B		°F
Motor B Torque		Ft-Lbs
Motor A Torque		Ft-Lbs
GPS Date - Day		Days
UTC Time - Minutes		
GPS Date - Year		Year
UTC Time - Hours		Hours
UTC Time - Seconds		seconds
Inverter B IGBT Temperature for phase A		°F
HV Battery Sleep Time		Days
Inverter A IGBT Temperature for phase C		°F
ECU Time - Milliseconds		ms
Distance Travelled with Light ON		miles

HCP | P0CD6-00 | Active | Hybrid Battery Pack Coolant Outlet Temperature Sensor Circuit Range/Performance-

NAME	VALUE	UNITS
DTC	0C D6 00	
Test Failed	True	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Confirmed DTC	False	
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		
Brake Switch Status		
PHEV Charging Status		
Ignition State		
PRND Position Display		
Propulsion System Active		
Thermal System Enable State		
High Temperature Shut-Off Valve Status		
Front Refrigerant Shut-Off Valve Status		
Chiller Shut-Off Valve Status		
Hybrid System State		
CBC Wake-Up Input		
EPT LOC Diag Enable		
HV Contactor Status		
APM Status		
Impact Event		
HCP System Shutdown Command		
OBCM Operating Mode		
J1772 Prox Detected State		
Original Odometer Value		miles
Most Recent Odometer Value		miles
Ignition Cycle Counter		
Frequency Counter		
Real time clock		sec
RAM stamps keyOn		sec
RAM Stamps		Min
Accelerator Pedal Position		%
Engine Speed		rpm
HV Battery SOC		%
Vehicle Speed		MPH
Barometric Pressure		PSI
Engine Coolant Temperature		°F
A/C Refrigerant Pressure		PSI
Passive Pump Coolant Temp In Sensor		°F
Electric Coolant Heater Temp Sensor		°F
Heater Core Coolant Temp Sensor		°F
Motor A Temp Sensor		°F
Motor B Temp Sensor		°F
Outside Air Temperature		°F
EAC Compressor Speed		rpm
High Temp Cabin Valve Feedback		degrees
Radiator Fan Duty Cycle		%
HV Coolant Heater - Measured Coolant Inlet Temp		°F

HV Coolant Heater - Measured Coolant Outlet Temp		°F
Low Temp Passive Pump - Temperature		°F
Low Temp Active Pump - Temperature		°F
Battery Feed Voltage 2 Sense		Volts
Battery Feed Voltage 3 Sense		Volts
Internal EPS Voltage Sense A		Volts
Internal EPS Voltage Sense B		Volts
Battery Feed Voltage 1 Sense		Volts
Actual Torque - Motor B		Ft-Lbs
Available Motor Torque - Motor A		Ft-Lbs
Available Motor Torque - Motor B		Ft-Lbs
Available Regen Torque - Motor A		Ft-Lbs
Available Regen Torque - Motor B		Ft-Lbs
Commanded Torque - Motor A		Ft-Lbs
Commanded Torque - Motor B		Ft-Lbs
Motor A - Inverter Current - phase A		AMP
Motor A - Inverter Current - phase B		AMP
Motor B - Inverter Current - phase A		AMP
Motor A - Inverter Current - phase C		AMP
Motor B - Inverter Current - phase B		AMP
Motor A Resolver Angle		Degree
Motor B - Inverter Current - phase C		AMP
Motor B Resolver Angle		Degree
HV Battery Voltage from BPCM		Volts
Electric Motor A Speed		rpm
Electric Motor B Speed		rpm
PIM DC Link Voltage - A		Volts
PIM DC Link Voltage - B		Volts
Inverter A IGBT Temperature for phase A		°F
Inverter A IGBT Temperature for phase B		°F
Inverter A IGBT Temperature for phase C		°F
Inverter B IGBT Temperature for phase A		°F
Inverter B IGBT Temperature for phase B		°F
Inverter B IGBT Temperature for phase C		°F
Motor A Torque		Ft-Lbs
Motor B Torque		Ft-Lbs
Distance Travelled with Light ON		miles
HV Battery Sleep Time		Days
GPS Date - Month		
GPS Date - Year		Year
UTC Time - Hours		Hours
GPS Date - Day		Days
UTC Time - Minutes		
UTC Time - Seconds		seconds

ECU Time - Milliseconds	ms

HCP | P26A7-00 | Pending | Engine Coolant Bypass Valve 1 Position Sensor Circuit High-

NAME	VALUE	UNITS
DTC	26 A7 00	
Test Failed	False	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Confirmed DTC	False	
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		
Brake Switch Status		
PHEV Charging Status		
Ignition State		
PRND Position Display		
Propulsion System Active		
Thermal System Enable State		
High Temperature Shut-Off Valve Status		
Front Refrigerant Shut-Off Valve Status		
Chiller Shut-Off Valve Status		
Hybrid System State		
CBC Wake-Up Input		
EPT LOC Diag Enable		
HV Contactor Status		
APM Status		
Impact Event		
HCP System Shutdown Command		
OBCM Operating Mode		
J1772 Prox Detected State		
Original Odometer Value		miles
Most Recent Odometer Value		miles
Frequency Counter		
Ignition Cycle Counter		
Real time clock		sec
RAM stamps keyOn		sec
RAM Stamps		Min
Accelerator Pedal Position		%
Engine Speed		rpm
HV Battery SOC		%
Vehicle Speed		MPH
Engine Coolant Temperature		°F

Barometric Pressure		PSI
A/C Refrigerant Pressure		PSI
Passive Pump Coolant Temp In Sensor		°F
Electric Coolant Heater Temp Sensor		°F
Heater Core Coolant Temp Sensor		°F
Motor A Temp Sensor		°F
Outside Air Temperature		°F
EAC Compressor Speed		rpm
Motor B Temp Sensor		°F
High Temp Cabin Valve Feedback		degrees
Radiator Fan Duty Cycle		%
HV Coolant Heater - Measured Coolant Inlet Temp		°F
HV Coolant Heater - Measured Coolant Outlet Temp		°F
Low Temp Passive Pump - Temperature		°F
Low Temp Active Pump - Temperature		°F
Battery Feed Voltage 2 Sense		Volts
Battery Feed Voltage 3 Sense		Volts
Internal EPS Voltage Sense A		Volts
Internal EPS Voltage Sense B		Volts
Battery Feed Voltage 1 Sense		Volts
Actual Torque - Motor B		Ft-Lbs
Available Motor Torque - Motor A		Ft-Lbs
Available Motor Torque - Motor B		Ft-Lbs
Available Regen Torque - Motor A		Ft-Lbs
Available Regen Torque - Motor B		Ft-Lbs
Commanded Torque - Motor B		Ft-Lbs
Commanded Torque - Motor A		Ft-Lbs
Motor A - Inverter Current - phase A		AMP
Motor A - Inverter Current - phase B		AMP
Motor A - Inverter Current - phase C		AMP
Motor B - Inverter Current - phase A		AMP
Motor B - Inverter Current - phase B		AMP
Motor B - Inverter Current - phase C		AMP
Motor B Resolver Angle		Degree
Motor A Resolver Angle		Degree
HV Battery Voltage from BPCM		Volts
Electric Motor A Speed		rpm
Electric Motor B Speed		rpm
PIM DC Link Voltage - A		Volts
PIM DC Link Voltage - B		Volts
Inverter A IGBT Temperature for phase A		°F
Inverter A IGBT Temperature for phase B		°F
Inverter A IGBT Temperature for phase C		°F
Inverter B IGBT Temperature for phase A		°F

Inverter B IGBT Temperature for phase B		°F
Inverter B IGBT Temperature for phase C		°F
Distance Travelled with Light ON		miles
Motor A Torque		Ft-Lbs
Motor B Torque		Ft-Lbs
HV Battery Sleep Time		Days
GPS Date - Year		Year
GPS Date - Month		
GPS Date - Day		Days
UTC Time - Hours		Hours
UTC Time - Minutes		
ECU Time - Milliseconds		ms
UTC Time - Seconds		seconds

HCP | U0100-00 | Stored | Lost Communication With ECM/PCM "A"-

NAME	VALUE	UNITS
DTC	C1 00 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	True	
Occurrence flag	Occurrence	
Brake Switch Status	Not Applied	
Ignition State	Reserved	
PRND Position Display	P	
Propulsion System Active	False	
HCP ePT Wake-Up Output	On	
CBC Wake-Up Input	Off	
HCP System Shutdown Command	Default	
SW Build Release Version	PIM_21B_2007B0_RU_HCP___	
HCP SW Version	21B	
EPT LOC Diag Enable	Enable LOC Diagnostic	
HV Contactor Status	Closed	
APM Status	Idle	
Impact Event	False	
OBCM Operating Mode	UTC	
J1772 Prox Detected State	Prox Out	
Hybrid System State	SNA	
PHEV Charging Status	No Charging	
Original Odometer Value	383.2	miles

Most Recent Odometer Value	383.6	miles
Frequency Counter	114	
Ignition Cycle Counter	0	
Real time clock	10497322	sec
RAM stamps keyOn	2070	sec
RAM Stamps	5196	Min
Accelerator Pedal Position	0	%
Engine Speed	0	rpm
HV Battery SOC	24	%
Vehicle Speed	0.0000	MPH
Motor A Temp Sensor	75	°F
Motor B Temp Sensor	73	°F
Barometric Pressure	15	PSI
Internal EPS Voltage Sense A	8.208	Volts
Engine Coolant Temperature	176	°F
Internal EPS Voltage Sense B	8.136	Volts
Motor B Torque	0.000	Ft-Lbs
Motor A 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
Commanded Torque - Motor A	0.000	Ft-Lbs
Available Regen Torque - Motor B	-232.301	Ft-Lbs
Commanded Torque - Motor B	0.000	Ft-Lbs
Motor A - Inverter Current - phase A	-4	AMP
Motor A - Inverter Current - phase B	-4	AMP
Motor A - Inverter Current - phase C	-4	AMP
Motor B - Inverter Current - phase A	-4	AMP
Motor B - Inverter Current - phase B	0	AMP
Motor B - Inverter Current - phase C	-4	AMP
Motor B Resolver Angle	18	Degree
Motor A Resolver Angle	164	Degree
Electric Motor A Speed	0.5	rpm
Electric Motor B Speed	0.0	rpm
PIM DC Link Voltage - A	342	Volts
HV Battery Voltage from BPCM	342.60	Volts
PIM DC Link Voltage - B	343	Volts
Outside Air Temperature	68.0	°F
HV Battery Sleep Time	0	Days
Battery Feed Voltage 1 Sense	12.024	Volts
Battery Feed Voltage 2 Sense	0.072	Volts
Inverter A IGBT Temperature for phase A	95	°F

Inverter A IGBT Temperature for phase B	97	°F
Battery Feed Voltage 3 Sense	0.072	Volts
Inverter A IGBT Temperature for phase C	97	°F
Inverter B IGBT Temperature for phase A	95	°F
Inverter B IGBT Temperature for phase B	97	°F
Inverter B IGBT Temperature for phase C	95	°F
Distance Travelled with Light ON	0	miles
GPS Date - Month	4	
GPS Date - Year	2021	Year
GPS Date - Day	5	Days
UTC Time - Hours	17	Hours
UTC Time - Minutes	12	
UTC Time - Seconds	0	seconds
ECU Time - Milliseconds	593	ms

HCP | U0111-00 | Stored | Lost Communication With Battery Energy Control Module-

NAME	VALUE	UNITS
DTC	C1 11 00	
Test Failed	False	
Test Failed This Operation Cycle	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	True	
Occurrence flag	Occurrence	
Brake Switch Status	Not Applied	
Ignition State	Reserved	
PRND Position Display	P	
Propulsion System Active	False	
HCP ePT Wake-Up Output	On	
CBC Wake-Up Input	Off	
HCP System Shutdown Command	Default	
SW Build Release Version	PIM_21B_2007B0_RU_HCP___	
HCP SW Version	21B	
EPT LOC Diag Enable	Enable LOC Diagnostic	
HV Contactor Status	Closed	
APM Status	Idle	
Impact Event	False	
OBCM Operating Mode	UTC	
J1772 Prox Detected State	Prox Out	
Hybrid System State	SNA	
PHEV Charging Status	No Charging	

Original Odometer Value	383.6	miles
Most Recent Odometer Value	383.6	miles
Frequency Counter	1	
Ignition Cycle Counter	0	
Real time clock	10497322	sec
RAM stamps keyOn	2100	sec
RAM Stamps	5196	Min
Accelerator Pedal Position	0	%
Engine Speed	0	rpm
HV Battery SOC	24	%
Motor A Temp Sensor	75	°F
Vehicle Speed	0.0000	MPH
Motor B Temp Sensor	73	°F
Barometric Pressure	14	PSI
Engine Coolant Temperature	91	°F
Internal EPS Voltage Sense A	8.208	Volts
Internal EPS Voltage Sense B	8.136	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	-4	AMP
Motor A - Inverter Current - phase B	-4	AMP
Motor A - Inverter Current - phase C	0	AMP
Motor B - Inverter Current - phase A	0	AMP
Motor B - Inverter Current - phase B	-4	AMP
Motor B - Inverter Current - phase C	-4	AMP
Motor B Resolver Angle	18	Degree
Electric Motor A Speed	0.5	rpm
Motor A Resolver Angle	164	Degree
Electric Motor B Speed	0.0	rpm
PIM DC Link Voltage - A	342	Volts
PIM DC Link Voltage - B	343	Volts
HV Battery Voltage from BPCM	342.60	Volts
Outside Air Temperature	69.8	°F
HV Battery Sleep Time	0	Days
Battery Feed Voltage 1 Sense	12.096	Volts
Battery Feed Voltage 2 Sense	11.808	Volts

Battery Feed Voltage 3 Sense	11.808	Volts
Inverter A IGBT Temperature for phase A	95	°F
Inverter A IGBT Temperature for phase B	97	°F
Inverter A IGBT Temperature for phase C	95	°F
Inverter B IGBT Temperature for phase A	95	°F
Inverter B IGBT Temperature for phase B	97	°F
Inverter B IGBT Temperature for phase C	95	°F
Distance Travelled with Light ON	0	miles
GPS Date - Year	2021	Year
GPS Date - Day	5	Days
GPS Date - Month	4	
UTC Time - Hours	17	Hours
UTC Time - Minutes	12	
ECU Time - Milliseconds	494	ms
UTC Time - Seconds	0	seconds

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

NAME	VALUE	UNITS
DTC	C1 51 00	
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Confirmed DTC	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
Occurrence flag	Occurrence	
Brake Switch Status	Not Applied	
Ignition State	Ignition Off/ACC	
PRND Position Display	P	
Propulsion System Active	False	
HCP ePT Wake-Up Output	On	
CBC Wake-Up Input	On	
HCP System Shutdown Command	Default	
SW Build Release Version	PIM_21B_2007B0_RU_HCP___	
HCP SW Version	21B	
EPT LOC Diag Enable	Enable LOC Diagnostic	
HV Contactor Status	Closed	
APM Status	Idle	
Impact Event	False	
OBCM Operating Mode	UTC	
J1772 Prox Detected State	Prox Out	
Hybrid System State	High Voltage Enabled	

PHEV Charging Status	No Charging	
Original Odometer Value	383.2	miles
Most Recent Odometer Value	383.3	miles
Frequency Counter	7	
Ignition Cycle Counter	0	
Real time clock	10161266	sec
RAM stamps keyOn	15	sec
RAM Stamps	5067	Min
Accelerator Pedal Position	0	%
Engine Speed	0	rpm
HV Battery SOC	24	%
Vehicle Speed	0.0000	MPH
Motor A Temp Sensor	142	°F
Barometric Pressure	15	PSI
Motor B Temp Sensor	144	°F
Engine Coolant Temperature	176	°F
Internal EPS Voltage Sense A	8.208	Volts
Internal EPS Voltage Sense B	8.136	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 B	-232.301	Ft-Lbs
Available Regen Torque - Motor A	-87.205	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 C	-4	AMP
Motor B - Inverter Current - phase B	0	AMP
Motor B Resolver Angle	318	Degree
Motor A Resolver Angle	120	Degree
Electric Motor A Speed	0.0	rpm
Electric Motor B Speed	0.0	rpm
PIM DC Link Voltage - A	341	Volts
PIM DC Link Voltage - B	342	Volts
HV Battery Voltage from BPCM	341.70	Volts
Outside Air Temperature	167.0	°F
HV Battery Sleep Time	0	Days
Battery Feed Voltage 1 Sense	12.456	Volts

Battery Feed Voltage 2 Sense	12.528	Volts
Battery Feed Voltage 3 Sense	12.528	Volts
Inverter A IGBT Temperature for phase A	133	°F
Inverter A IGBT Temperature for phase B	133	°F
Inverter A IGBT Temperature for phase C	133	°F
Inverter B IGBT Temperature for phase A	133	°F
Inverter B IGBT Temperature for phase B	133	°F
Inverter B IGBT Temperature for phase C	131	°F
Distance Travelled with Light ON	0	miles
GPS Date - Year	2021	Year
GPS Date - Month	4	
GPS Date - Day	1	Days
UTC Time - Hours	19	Hours
UTC Time - Minutes	45	
UTC Time - Seconds	0	seconds
ECU Time - Milliseconds	788	ms

HCP | U016B-00 | Pending | Lost Communication With A/C Compressor "A" Control Module-

NAME	VALUE	UNITS
DTC	C1 6B 00	
Test Failed	False	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Confirmed DTC	False	
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		
Brake Switch Status		
PHEV Charging Status		
Ignition State		
PRND Position Display		
Propulsion System Active		
Thermal System Enable State		
High Temperature Shut-Off Valve Status		
Front Refrigerant Shut-Off Valve Status		
Chiller Shut-Off Valve Status		
Hybrid System State		
CBC Wake-Up Input		
EPT LOC Diag Enable		
HV Contactor Status		
APM Status		
Impact Event		

HCP System Shutdown Command		
OBCM Operating Mode		
J1772 Prox Detected State		
Original Odometer Value		miles
Most Recent Odometer Value		miles
Frequency Counter		
Ignition Cycle Counter		
Real time clock		sec
RAM stamps keyOn		sec
RAM Stamps		Min
Accelerator Pedal Position		%
Engine Speed		rpm
HV Battery SOC		%
Vehicle Speed		MPH
Barometric Pressure		PSI
Engine Coolant Temperature		°F
A/C Refrigerant Pressure		PSI
Electric Coolant Heater Temp Sensor		°F
Passive Pump Coolant Temp In Sensor		°F
Motor A Temp Sensor		°F
Heater Core Coolant Temp Sensor		°F
Motor B Temp Sensor		°F
Outside Air Temperature		°F
EAC Compressor Speed		rpm
High Temp Cabin Valve Feedback		degrees
Radiator Fan Duty Cycle		%
HV Coolant Heater - Measured Coolant Inlet Temp		°F
HV Coolant Heater - Measured Coolant Outlet Temp		°F
Low Temp Passive Pump - Temperature		°F
Low Temp Active Pump - Temperature		°F
Battery Feed Voltage 2 Sense		Volts
Internal EPS Voltage Sense A		Volts
Battery Feed Voltage 3 Sense		Volts
Internal EPS Voltage Sense B		Volts
Battery Feed Voltage 1 Sense		Volts
Actual Torque - Motor B		Ft-Lbs
Available Motor Torque - Motor A		Ft-Lbs
Available Motor Torque - Motor B		Ft-Lbs
Available Regen Torque - Motor A		Ft-Lbs
Commanded Torque - Motor A		Ft-Lbs
Available Regen Torque - Motor B		Ft-Lbs
Commanded Torque - Motor B		Ft-Lbs
Motor A - Inverter Current - phase A		AMP
Motor A - Inverter Current - phase B		AMP

Motor A - Inverter Current - phase C		AMP
Motor B - Inverter Current - phase A		AMP
Motor B - Inverter Current - phase B		AMP
Motor B - Inverter Current - phase C		AMP
Motor B Resolver Angle		Degree
Motor A Resolver Angle		Degree
Electric Motor A Speed		rpm
HV Battery Voltage from BPCM		Volts
Electric Motor B Speed		rpm
PIM DC Link Voltage - A		Volts
PIM DC Link Voltage - B		Volts
Inverter A IGBT Temperature for phase A		°F
Inverter A IGBT Temperature for phase B		°F
Inverter A IGBT Temperature for phase C		°F
Inverter B IGBT Temperature for phase A		°F
Inverter B IGBT Temperature for phase B		°F
Inverter B IGBT Temperature for phase C		°F
Distance Travelled with Light ON		miles
Motor A Torque		Ft-Lbs
Motor B Torque		Ft-Lbs
HV Battery Sleep Time		Days
GPS Date - Year		Year
GPS Date - Month		
GPS Date - Day		Days
UTC Time - Minutes		
UTC Time - Hours		Hours
UTC Time - Seconds		seconds
ECU Time - Milliseconds		ms

HCP | U0293-00 | Pending | Lost Communication with Hybrid Control Module "A"-

NAME	VALUE	UNITS
DTC	C2 93 00	
Test Failed	False	
Pending DTC	True	
Confirmed DTC	False	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Failed This Operation Cycle	True	
Warning Indicator Requested	False	
DTC Extended Data Record Number		
Occurrence flag		
Test Not Completed This Operation Cycle	False	
Brake Switch Status		
PRND Position Display		

Ignition State		
Propulsion System Active		
HVIL Sense Input State		
HCP ePT Wake-Up Output		
No Charging Reasons		
SW Build Release Version		
Hybrid System State		
CBC Wake-Up Input		
EPT LOC Diag Enable		
Impact Event		
HCP SW Version		
OBCM Derating Reason		
OBCM Operating Mode		
J1772 Pilot Detected State		
J1772 Prox Detected State		
HCP Commanded OBCM Mode		
OBCM Ready to Charge		
OBCM J1772 S2 Status		
HCP J1772 S2 Close Command		
HCP Charging Level		
AC Voltage Detected		
HCP Charging System Fault		
HCP Command to Enable Charging		
HCP Charging System Status		
HCP Charging Fault Reason		
DC Voltage Not Detected		
HV Battery Contactor State		
HV Contactor Status		
HCP System Shutdown Command		
PHEV Charging Status		
APM Status		
Original Odometer Value		miles
Most Recent Odometer Value		miles
Ignition Cycle Counter		
RAM Stamps		Min
Engine Speed		rpm
Frequency Counter		
RAM stamps keyOn		sec
Real time clock		sec
Vehicle Speed		MPH
Engine Coolant Temperature		°F
Accelerator Pedal Position		%
Barometric Pressure		PSI
CAN Overrun Counter		Number

Internal EPS Voltage Sense B		Volts
Charge Current Available		AMP
Battery Feed Voltage 2 Sense		Volts
Internal EPS Voltage Sense A		Volts
Maximum Charge Current Allowed		Amps
Outside Air Temperature		°F
HCP Charging Current Command		AMP
HCP Charging Voltage Command		Volts
AC Current During Charging		Amps
AC Voltage for Charging		Volts
Maximum EVSE Current Available		AMP
HV Battery Actual Current		AMP
OBCM Charging Power		KW-Hrs
OBCM Module B Max Temperature		°F
OBCM Module A Max Temperature		°F
OBCM Charging Voltage		Volts
OBCM Module A PCB Temperature		°F
HV Battery Pump Current		AMP
DC Charging Current		Amps
HV Battery Inlet Temperature		°F
Radiator Fan Command		%
OBCM Module B PCB Temperature		°F
OBCM Accumulated Charging Time		hrs
HV Battery Outlet Temperature		°F
HV Battery Min Cell Voltage		Volts
Min Cell Temperature		°F
Max Cell Voltage		Volts
Max Cell Temperature		°F
HV Battery Sleep Time		Days
HV Battery SOC		%
Battery Feed Voltage 1 Sense		Volts
Battery Feed Voltage 3 Sense		Volts
Available Motor Torque - Motor A		Ft-Lbs
Available Regen Torque - Motor B		Ft-Lbs
Actual Torque - Motor B		Ft-Lbs
Actual Torque - Motor A		Ft-Lbs
Motor A - Inverter Current - phase B		AMP
Motor A - Inverter Current - phase A		AMP
Available Regen Torque - Motor A		Ft-Lbs
Commanded Torque - Motor A		Ft-Lbs
Motor A - Inverter Current - phase C		AMP
Commanded Torque - Motor B		Ft-Lbs
Motor B - Inverter Current - phase A		AMP
Motor B - Inverter Current - phase C		AMP

Electric Motor B Speed		rpm
Motor B - Inverter Current - phase B		AMP
Motor B Resolver Angle		Degree
Motor A Temp Sensor		°F
HV Battery Voltage from BPCM		Volts
Motor A Resolver Angle		Degree
Motor B Temp Sensor		°F
Inverter A IGBT Temperature for phase A		°F
Inverter B IGBT Temperature for phase C		°F
PIM DC Link Voltage - B		Volts
Electric Motor A Speed		rpm
PIM DC Link Voltage - A		Volts
Inverter A IGBT Temperature for phase B		°F
Inverter B IGBT Temperature for phase B		°F
Inverter A IGBT Temperature for phase C		°F
Available Motor Torque - Motor B		Ft-Lbs
Distance Travelled with Light ON		miles
Motor B Torque		Ft-Lbs
Inverter B IGBT Temperature for phase A		°F
UTC Time - Hours		Hours
Motor A Torque		Ft-Lbs
ECU Time - Milliseconds		ms
GPS Date - Month		
GPS Date - Day		Days
GPS Date - Year		Year
UTC Time - Minutes		
UTC Time - Seconds		seconds

HCP | U0298-00 | Pending |

NAME	VALUE	UNITS

HCP | U11F8-00 | Pending |

NAME	VALUE	UNITS

HCP | U1818-00 | Stored | Lost Communication With ECM/PCM on D-PT CAN-

NAME	VALUE	UNITS
DTC	D8 18 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	True	
Occurrence flag	Occurrence	
Brake Switch Status	Not Applied	
Ignition State	Reserved	
PRND Position Display	P	
Propulsion System Active	False	
HCP ePT Wake-Up Output	On	
CBC Wake-Up Input	Off	
HCP System Shutdown Command	Default	
SW Build Release Version	PIM_21B_2007B0_RU_HCP___	
HCP SW Version	21B	
EPT LOC Diag Enable	Enable LOC Diagnostic	
HV Contactor Status	Closed	
APM Status	Idle	
Impact Event	False	
OBCM Operating Mode	UTC	
J1772 Prox Detected State	Prox Out	
Hybrid System State	SNA	
PHEV Charging Status	No Charging	
Original Odometer Value	383.2	miles
Most Recent Odometer Value	383.6	miles
Frequency Counter	4	
Real time clock	10497322	sec
Ignition Cycle Counter	0	
RAM stamps keyOn	2010	sec
RAM Stamps	5195	Min
Accelerator Pedal Position	0	%
Engine Speed	0	rpm
HV Battery SOC	24	%
Vehicle Speed	0.0000	MPH
Motor A Temp Sensor	75	°F
Barometric Pressure	15	PSI
Motor B Temp Sensor	72	°F
Engine Coolant Temperature	176	°F
Internal EPS Voltage Sense A	8.208	Volts
Internal EPS Voltage Sense B	8.136	Volts
Motor A Torque	0.000	Ft-Lbs
Actual Torque - Motor A	0.000	Ft-Lbs
Motor B Torque	0.000	Ft-Lbs
Actual Torque - Motor B	0.000	Ft-Lbs
Available Motor Torque - Motor B	232.301	Ft-Lbs
Available Motor Torque - Motor A	87.205	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	0	AMP
Motor A - Inverter Current - phase C	-4	AMP
Motor B - Inverter Current - phase A	0	AMP
Motor B - Inverter Current - phase B	0	AMP
Motor B - Inverter Current - phase C	-4	AMP
Motor B Resolver Angle	18	Degree
Motor A Resolver Angle	164	Degree
Electric Motor A Speed	0.0	rpm
Electric Motor B Speed	0.0	rpm
PIM DC Link Voltage - A	342	Volts
PIM DC Link Voltage - B	343	Volts
HV Battery Voltage from BPCM	342.60	Volts
Outside Air Temperature	68.0	°F
HV Battery Sleep Time	0	Days
Battery Feed Voltage 1 Sense	12.096	Volts
Battery Feed Voltage 2 Sense	0.072	Volts
Battery Feed Voltage 3 Sense	0.072	Volts
Inverter A IGBT Temperature for phase A	97	°F
Inverter A IGBT Temperature for phase B	99	°F
Inverter A IGBT Temperature for phase C	99	°F
Inverter B IGBT Temperature for phase A	97	°F
Inverter B IGBT Temperature for phase B	99	°F
Inverter B IGBT Temperature for phase C	97	°F
Distance Travelled with Light ON	0	miles
GPS Date - Month	4	
GPS Date - Year	2021	Year
GPS Date - Day	5	Days
UTC Time - Minutes	10	
UTC Time - Hours	17	Hours
UTC Time - Seconds	1	seconds
ECU Time - Milliseconds	581	ms

HCP | U1830-00 | Stored | Lost Communication with ORC on D-PT-

NAME	VALUE	UNITS
DTC	D8 30 00	
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	

Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
Occurrence flag	Occurrence	
Brake Switch Status	Not Applied	
Ignition State	Reserved	
PRND Position Display	P	
Propulsion System Active	False	
HCP ePT Wake-Up Output	On	
CBC Wake-Up Input	On	
HCP System Shutdown Command	Default	
SW Build Release Version	PIM_21B_2007B0_RU_HCP___	
HCP SW Version	21B	
EPT LOC Diag Enable	Enable LOC Diagnostic	
HV Contactor Status	Closed	
APM Status	Idle	
Impact Event	False	
OBCM Operating Mode	UTC	
J1772 Prox Detected State	Prox Out	
Hybrid System State	High Voltage Enabled	
PHEV Charging Status	No Charging	
Original Odometer Value	383.2	miles
Most Recent Odometer Value	383.3	miles
Frequency Counter	10	
Ignition Cycle Counter	0	
Real time clock	10161270	sec
RAM stamps keyOn	15	sec
RAM Stamps	5067	Min
Accelerator Pedal Position	0	%
Engine Speed	0	rpm
HV Battery SOC	24	%
Vehicle Speed	0.0000	MPH
Motor B Temp Sensor	144	°F
Motor A Temp Sensor	142	°F
Barometric Pressure	15	PSI
Engine Coolant Temperature	176	°F
Internal EPS Voltage Sense A	8.208	Volts
Motor A Torque	0.000	Ft-Lbs
Internal EPS Voltage Sense B	8.136	Volts
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 C	-4	AMP
Motor A - Inverter Current - phase B	-4	AMP
Motor B - Inverter Current - phase A	-4	AMP
Motor B - Inverter Current - phase B	0	AMP
Motor B - Inverter Current - phase C	0	AMP
Motor B Resolver Angle	318	Degree
Motor A Resolver Angle	120	Degree
Electric Motor A Speed	0.0	rpm
Electric Motor B Speed	0.0	rpm
PIM DC Link Voltage - A	341	Volts
PIM DC Link Voltage - B	342	Volts
HV Battery Voltage from BPCM	341.60	Volts
Outside Air Temperature	167.0	°F
HV Battery Sleep Time	0	Days
Battery Feed Voltage 1 Sense	12.528	Volts
Battery Feed Voltage 2 Sense	12.528	Volts
Battery Feed Voltage 3 Sense	12.528	Volts
Inverter A IGBT Temperature for phase A	133	°F
Inverter A IGBT Temperature for phase B	133	°F
Inverter A IGBT Temperature for phase C	133	°F
Inverter B IGBT Temperature for phase A	133	°F
Inverter B IGBT Temperature for phase B	133	°F
Inverter B IGBT Temperature for phase C	131	°F
Distance Travelled with Light ON	0	miles
GPS Date - Year	2021	Year
GPS Date - Month	4	
GPS Date - Day	1	Days
UTC Time - Hours	19	Hours
UTC Time - Minutes	45	
UTC Time - Seconds	0	seconds
ECU Time - Milliseconds	13	ms

OBCM | U0293-00 | Stored | Lost Communication with Hybrid Control Module "A"-

NAME	VALUE	UNITS
DTC	C2 93 00	
Test Failed	False	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Warning Indicator Requested	False	
DTC Extended Data Record Number - All	01	

Confirmed DTC	True	
Test Failed Since Last Clear	True	
Test Not Completed Since Last Clear	False	
Occurrence flag	Error	
Test Not Completed This Operation Cycle	False	
DTC Extended Data Record Number - Record #2	2C	
AC Line Low	Valid	
OBCM Status AC Present	AC Not OK	
AC Line High	Not Valid	
Battery Not Detected	False	
Battery Voltage Under Min	Not Valid	
Battery Voltage Over Max	Not Valid	
HV OC	False	
HV OV	False	
NTC1 OT	False	
NTC2 OT	False	
NTC3 OT	False	
NTC4 OT	False	
J1772 S2 Close	Open	
J1772 Stat	Veh Not Connected	
J1772 S2 Status	Open	
EVSE Pilot Stat	NO EVSE	
Prox Stat	Prox Out	
OBCM Charger Ready	Off	
OBCM WU Status	Off	
HCP (EVCU) Shutdown Command	EVCU Operational	
Charge Enable Status	Chrg Disable	
OBCM Mode	UTC	
HCP (EVCU) OBC Mode Request	Idle	
Generic Fail Sts	No Functional Fail Present	
Chrg Fail Sts	No Faults detected	
OBCM Wake Up Reason	Master Wake Up	
HCP (EVCU) Enable Charge Command	Charge disable	
OBCM Fault Reason	No Faults detected	
Chrg Mode	Charge Mode	
Close Chrgr Cntctr	Open	
Chrgr Cntctr Stat	Closed	
OBC Control Mth	Current	
OBCM Deraing Reason	AC Voltage Limit Derating	
OBCM - HV Over Voltage Protect	False	
OBCM - LLC Over Voltage Protect	False	
OBCM - LV Aux Over Voltage Protect	False	
OBCM - Battery 12V Under Voltage Protect	False	
OBCM - LLC Under Voltage Protect	False	

OBCM - PFC Over Voltage Protect	False	
OBCM - LV Aux Under Voltage Protect	False	
OBCM - PFC Under Voltage Protect	False	
OBCM - HV Over Current Protect	False	
OBCM - AC Over Voltage Protect	False	
OBCM - AC Over Current Protect	False	
OBCM - Battery 12V Over Voltage Protect	False	
OBCM - AC Under Voltage Protect	False	
OBCM - Internal Memory Fault	False	
OBCM - Power Stage Over Voltage Protect	False	
OBCM - HV Voltage Over MaxCal 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 - Over Temperature Protect	False	
OBCM - HCP Loss of Communication Protect	True	
OBCM - HV Voltage Under MinCal Protect	False	
OBCM - SPI Communication Fault	False	
OBCM - WakeUp Output Stuck Low	False	
OBCM - WakeUp Output Stuck High	False	
OBCM - Pilot Short To Battery	False	
OBCM - Prox Range To High	False	
OBCM - Secondary Aux Over Voltage Protect	False	
OBCM - Secondary Aux Under Voltage Protect	False	
OBCM - Receive HV Battery Contact Open From BPCM	False	
OBCM - HV Battery Not Contact	False	
OBCM - ORC Loss of Communication	False	
OBCM - Loss Communication Protect	False	
OBCM - Primary Aux Over Voltage Protect	False	
OBCM - Primary Aux Under Voltage Protect	False	
OBCM - HV Under Voltage Protect	False	
OBCM - Vehicle Impact	False	
OBCM - ARC/CRC Fault	False	
OBCM - AC Contact Welded Fault	False	
OBCM - Cycle Shutdown	False	
OBCM - Stuck Shutdown	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 becase of EVSE	False	
HCP stuck low fault	False	

Control Pilot Open fault	False	
Prox open fault	False	
Plant mode flag	False	
Retry fault flag	False	
HCP stuck High fault	False	
Loss SBC communcation (SPI)	False	
pilot input short to ground fault	False	
pilto input short to battery fault in Driver mode detecting	False	
pilot short to ground fault in driver mode detecting	False	
Pilot frequency range fault	False	
Module A Primary - AC Under Voltage Protect	False	
Module A Primary - PFC Power Limit	True	
Charging ready line open fault	False	
OBCM - Internal S2 Switch High Fault in Driver mode detecting	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 - PFC Enable States	False	
Module A Primary - AC Present	False	
Module A Primary - PFC Over Temperature Protect	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 - LLC Over Temperature Protect	False	
Module A Primary - PFC Hot Warning	False	
Module A Primary - AC Vin Lost	True	
Module A Primary - Loss Communication Protect	False	
Module A Primary - Secondary Micro Enable Command	False	
Module A Primary - Standby Mode	True	
Module A Primary - Operate Mode	False	
Module A Primary - Shutdown Mode	False	
Module A Secondary - Aux Enable States	True	
Module A Secondary - HV Enable States	False	
Module A Secondary - LLC Under Voltage Protect	False	
Module A Secondary - LLC Over Voltage Protect	False	
Module A Secondary - HV Over Voltage Protect	False	
Module A Secondary - HV Over Current Protect	False	
Module A Secondary - Hot Warning	False	
Module A Secondary - Over Temperature Protect	False	
Module A Secondary - Loss Primary Communication Protect	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 - Loss LV Communication Protect	False	
Module A Secondary - LV Micro Enable Command	False	
Module A Secondary - Aux Over Voltage Protect	False	
Module A Secondary - Aux Under Voltage Protect	False	
Module A Secondary - Primary Shutdown States	False	
Module A Secondary - HV Under Voltage Protect	False	
Module A Secondary - Primary Turn On States	False	
Module A Secondary - Standby Mode	True	
Module A Secondary - LV Micro Disable Command	True	
Module A Secondary - Shutdown Mode	False	
Module A Secondary - PFC Low Temperature Derating	False	
Module A Secondary - PFC High Temperature Derating	False	
Module A Secondary - LLC High Temperature Derating	False	
Module A Secondary - HV High Temperature Derating	False	
Module A Secondary - LLC Low Temperature Derating	False	
Module A Secondary - HV Low Temperature Derating	False	
Module A Secondary - Operate Mode	False	
Module A Secondary - Ambient Low Temperature Derating	False	
Module A Secondary - AC Input Voltage Derating	True	
Module B Primary - PFC Enable States	False	
Module B Primary - LLC Enable States	False	
Module A Secondary - Ambient High Temperature Derating	False	
Module A Secondary - HV Output Voltage Derating	False	
Module B Primary - AC Under Voltage Protect	False	
Module B Primary - Over Temperature Protect	False	
Module B Primary - PFC Under Voltage Protect	False	
Module B Primary - PFC Power Limit	True	
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 Over Voltage Protect	False	
Module B Primary - PFC Hot Warning	False	
Module B Primary - Hot Warning	False	
Module B Primary - Aux Under Voltage Protect	False	
Module B Primary - Secondary Micro Enable Command	False	
Module B Primary - AC Vin Lost	True	
Module B Primary - Aux Over Voltage Protect	False	
Module B Primary - AC Over Voltage Protect	True	
Module B Primary - Relay Enable States	False	
Module B Primary - LLC Hot Warning	False	

Module B Primary - Standby Mode	True	
Module B Primary - Operate Mode	False	
Module B Primary - Shutdown Mode	False	
Module B Secondary - HV Enable States	False	
Module B Primary - Loss Communication Protect	False	
Module B Secondary - Aux Enable States	True	
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 Temperature Protect	False	
Module B Secondary - Ambient Over Temperature Protect	False	
Module B Secondary - HV Over Current Protect	False	
Module B Secondary - Hot Warning	False	
Module B Secondary - Over Temperature Protect	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 - HV Hot Warning	False	
Module B Secondary - Primary Turn On States	False	
Module B Secondary - Primary Shutdown States	False	
Module B Secondary - Ambient Hot Warning	False	
Module B Secondary - LV Micro Disable Command	True	
Module B Secondary - Standby Mode	True	
Module B Secondary - Operate Mode	False	
Module B Secondary - Shutdown Mode	False	
Module B Secondary - HV Under Voltage Protect	False	
Module B Secondary - LLC High Temperature Derating	False	
Module B Secondary - PFC High Temperature Derating	False	
Module B Secondary - HV Low Temperature Derating	False	
Module B Secondary - Ambient High Temperature Derating	False	
Module B Secondary - PFC Low Temperature Derating	False	
SBC State_DF00	00	
Module B Secondary - Ambient Low Temperature Derating	False	
Module B Secondary - AC Input Voltage Derating	True	
Module B Secondary - LLC Low Temperature Derating	False	
Module B Secondary - HV High Temperature Derating	False	
SBC State_E100	00	
SBC State_E180	88	
SBC State_DF80	00	
Module B Secondary - HV Output Voltage Derating	False	
SBC State_E500	00	
SBC State_E580	00	

SBC State_E300	00	
CANSIP Bus Off	False	
BPCM HV Battery Contactor Open	False	
SBC Bus Off	False	
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	
Most Recent Odometer Value	378	miles
Ignition Cycle Counter	1	
Frequency Counter	1	
AC Side Current	0.50	Amps
Original Odometer Value	378	miles
HCP (EVCU) AC Current Max Cal	-0.50	Amps
HCP (EVCU) Current Request	0.00	AMP
HCP (EVCU) Voltage Request	0	Volts
AC Side Volt	2.0	Volts
Battery Side Current	0.30	Amps
Battery Side Voltage	159.8	Volts
HCP (EVCU) HV Volt Max Cal	152	Volt
HCP (EVCU) HV Volt Min Cal	244	Volt
HCP (EVCU) HV Current Max Cal	-12.00	Amps
J1772 ICA	0	AMP
External OBCM Inlet Temperature (CAN)	-40	°F
Control Pilot Frequency	1024	Hz
OBCM Temperature 4	68	°F
OBCM Temperature 1	86	°F
OBCM Temperature 2	88	°F
OBCM Temperature 3	72	°F
Control Pilot Duty Cycle	0.00	%
Prox Voltage	4.465	Volt
Control Pilot Amplitude	7.517	Volts
OBC Idle Tml	3	hrs
Watt-Hours of AC Power	0	W-Hrs
Watt Hours of Charge the HV Bus	0	W-Hrs
Module A Secondary - Buck Temperature	68	°F
Module A Secondary - Ambient Temperature	88	°F
Module A Primary - PFC Temperature	70	°F
Module A Secondary - Battery Side Current	-24.80	Amps
Module B Primary - LLC Temperature	73	°F
Module A Secondary - Buck Output Voltage	0.1	Volts
Module B Primary - AC Side Volt	2.1	Volts
Module A Primary - AC Side Current	-24.70	Amps

Module A Secondary - Battery Side Voltage	159.9	Volts
Module A Primary - LLC Temperature	70	°F
Module B Primary - PFC Temperature	73	°F
Module B Secondary - Buck Temperature	72	°F
Module B Secondary - Ambient Temperature	86	°F
Module B Secondary - Buck Output Voltage	0.1	Volts
Module B Secondary - Battery Side Voltage	159.7	Volts
Module B Secondary - Battery Side Current	-24.90	Amps
OBC Idle Time	0	sec
Module B Primary - AC Side Current	-24.80	Amps
Module A Primary - AC Side Volt	1.9	Volts
Ignition on Time for DTC	0	sec
OBCM Charge Current Available	0.00	AMP
OBC Charge Time	0	sec
OBC Charge Tml	1617	hrs

DSM | U0140-00 | Stored | Lost Communication With Body Control Module-

NAME	VALUE	UNITS
DTC	C1 40 00	
Test Failed	False	
Pending DTC	False	
Test Failed This Operation Cycle	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
Occurrence flag	Occurrence	
DTC Extended Data Record Number - All	01	
Frequency Counter	4	
Ignition Cycle Counter	1	
Most Recent Odometer Value	378	miles
Original Odometer Value	378	miles

VRM | U0422-00 | Stored | Implausible Data Received From Body Control Module-

NAME	VALUE	UNITS
DTC	C4 22 00	
Pending DTC	False	
Test Failed This Operation Cycle	True	
Test Failed	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	

Occurrence flag	Error	
Warning Indicator Requested	False	
DTC Extended Data Record Number - All	01	
Original Odometer Value	378	miles
Frequency Counter	4	
Most Recent Odometer Value	378	miles
Ignition Cycle Counter	1	

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

NAME	VALUE	UNITS
DTC	95 AD 00	
Test Failed This Operation Cycle	False	
Test Failed	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Pending DTC	False	
Test Failed Since Last Clear	True	
Warning Indicator Requested	False	
DTC Extended Data Record Number - All	01	
Test Not Completed This Operation Cycle	False	
Occurrence flag	Error	
Most Recent Odometer Value	368	miles
Frequency Counter	1	
Ignition Cycle Counter	29	
Original Odometer Value	368	miles

CVPM | B23C5-92 | Stored | Front Camera-Performance or Incorrect Operation

NAME	VALUE	UNITS
Test Failed This Operation Cycle	False	
DTC	A3 C5 92	
Pending DTC	False	
Test Failed	False	
Test Not Completed This Operation Cycle	False	
Test Failed Since Last Clear	True	
Confirmed DTC	True	
Warning Indicator Requested	False	
Test Not Completed Since Last Clear	False	
DTC Extended Data Record Number - All	01	
Occurrence flag	Error	
ECU Failure – Internal Voltage	Off	
ECU Failure – Internal Communication Error	Off	
ECU Failure – Video Subsystem Error	Off	
Calibration Failure - Calibration Data Inconsistent	Off	
ECU Failure – Watchdog Error	Off	

Ignition Status	Ignition Status: Running	
ECU Failure – ECU Memory	Off	
Steering Wheel Angle Status	Steering Wheel Status: Okay	
Calibration Failure - Calibration not Executed	Off	
Driver Door Ajar	Inactive	
Passenger Door Ajar	Inactive	
Rear Right Door Ajar	Inactive	
Liftgate Ajar	Inactive	
Touch Screen Status	Touch Screen Status: Not Pressed	
Touch Screen Y Coordinate	0000	
Touch Screen X Coordinate	0000	
Radio Display Status	Display Status: Off	
Rear Left Door Ajar	Inactive	
Reverse Gear	Inactive	
Ignition Cycle Counter	4	
Original Odometer Value	169	miles
Battery Voltage	14.5	V
DTC Extended Data Record Number 2	2	
ECU Voltage	14.3	V
Frequency Counter	3	
Vehicle Speed	20.757681	MPH
Most Recent Odometer Value	378	miles
Steering Wheel Angle	3.0	Deg

EBBM | C211B-00 | Stored | Ignition Run/Start Input-

NAME	VALUE	UNITS
Test Failed	False	
Test Failed This Operation Cycle	True	
Pending DTC	True	
DTC	61 1B 00	
Confirmed DTC	True	
Test Failed Since Last Clear	False	
Occurrence flag	Error	
Test Not Completed This Operation Cycle	False	
Mirror Memory	No	
Undervoltage Suspected	No	
Test Not Completed Since Last Clear	False	
Warning Indicator Requested	False	
iBooster System Mode	Ready Mode - iBooster is ready for actuation	
Brake Pedal Applied	brake pedal not applied	
iBooster Brake Pedal State	brake pedal not applied	
Original Odometer Value	378	miles
Fault Time	13107.00	S
Frequency Counter	1	

Pedal Travel Sensor Supply	5.0	V
ECU Supply	12.0	V
Ignition	12.0	V
Ignition Cycle Counter	0	
Most Recent Odometer Value	378	miles
ESP Master Cylinder Pressure	0.00	PSI
iBooster ECU Temperature Channel 2	69.2938	°F
iBooster ECU Temperature Channel 1	70.4188	°F
Pedal Travel Sensor One	-0.1191391	mm_
iBooster Rotary Position Sensor	0.57	Deg
Pedal Travel Sensor Two	-0.0527337	mm_
iBooster Input Rod Stroke	0.00	mm_
Booster Supply	12.1	V
Supplier Internal Code	217	
Vehicle Speed	0.00	MPH
iBooster Output Rod Stroke	0.00	mm_
iBooster Boost Body Stroke	0.00	mm_

ABSO | U0104-00 | Stored | Lost Communication With Cruise Control Module-

NAME	VALUE	UNITS
DTC	C1 04 00	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Confirmed DTC	True	
Test Failed	False	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	False	
Warning Indicator Requested	False	
Test Not Completed This Operation Cycle	False	
Controller Event	No	
Mirror Memory	No	
Occurrence flag	Error	
Undervoltage Suspected	No	
Current System Mode	Engine Running	
Previous System Mode	Engine Running	
Brake Pedal Status	Pressed	
System Condition	OK	
Rotation Direction Left Front	Forward	
Rotation Direction Right Front	Forward	
Rotation Direction Left Rear	Forward	
Rotation Direction Right Rear	Forward	
MSR control	Not Active	
ABS control	Not Active	
ASR control	Not Active	

EBV control	Not Active	
Hold	No	
HSA control	Not Active	
Braking assistance system	No assistance system is braking	
ESP Control	Not Active	
EPB Mode Status	Static	
BLS High	Yes	
Plant Mode	No	
Park Brake	Not Activated	
ESP-OFF mode	No	
BLS Low	No	
HBA control	Not Active	
Stop Coordinator Active	No	
Actual Gear	1	
Clutch	Not Activated	
Transmission selector lever setting	D	
Status Parking Brake Right	Brake is Released	
Status Parking Brake Left	Brake is Released	
EPB Switch Status	Idle	
Most Recent Odometer Value	378	miles
Original Odometer Value	378	miles
Fault Time	630.20	S
Ignition Cycle Counter	0	
Supply Voltage Valves	14.2	V
Supply voltage Pump	14.3	V
Frequency Counter	1	
Brake Pedal Travel Sensor Position	14	%
Ignition Unfiltered	0.0	V
Wheel Speed Left Front	3.355	MPH
Wheel Speed Right Front	3.355	MPH
Wheel Speed Left Rear	3.355	MPH
Wheel Speed Right Rear	3.355	MPH
Longitudinal Acceleration	-0.22	m/s^2
Steering Wheel Angle	0.00	°
Yaw Rate	0.000	°/s
Primary Circuit Pressure	0.00	PSI
Engine Speed	1029.0	rpm
Lateral Acceleration	-0.22	m/s^2
Accelerator Pedal Position	0.0	%
Supplier Internal Code	254	

ABSO | C211B-00 | Stored | Ignition Run/Start Input-

NAME	VALUE	UNITS
DTC	61 1B 00	

Test Failed This Operation Cycle	True	
Pending DTC	True	
Test Failed	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	False	
Warning Indicator Requested	False	
Test Not Completed This Operation Cycle	False	
Mirror Memory	No	
Occurrence flag	Error	
Undervoltage Suspected	No	
Controller Event	No	
Brake Pedal Status	Released	
System Condition	OK	
Previous System Mode	Ignition Run	
Current System Mode	Ignition Run	
Rotation Direction Left Front	Forward	
Rotation Direction Right Front	Forward	
Rotation Direction Left Rear	Forward	
Rotation Direction Right Rear	Forward	
ABS control	Not Active	
ASR control	Not Active	
ESP Control	Not Active	
EBV control	Not Active	
MSR control	Not Active	
HSA control	Not Active	
Hold	No	
HBA control	Not Active	
Braking assistance system	No assistance system is braking	
EPB Mode Status	Static	
BLS High	No	
ESP-OFF mode	No	
BLS Low	Yes	
Park Brake	Not Activated	
Stop Coordinator Active	No	
Actual Gear	P	
Clutch	Not Activated	
Status Parking Brake Left	Brake is Released	
Status Parking Brake Right	Brake is Released	
EPB Switch Status	Idle	
Plant Mode	No	
Transmission selector lever setting	P	
Most Recent Odometer Value	378	miles
Frequency Counter	12	

Original Odometer Value	378	miles
Ignition Cycle Counter	0	
Fault Time	13107.00	S
Brake Pedal Travel Sensor Position	0	%
Ignition Unfiltered	0.0	V
Supply Voltage Valves	12.1	V
Supply voltage Pump	12.0	V
Wheel Speed Right Front	0.000	MPH
Wheel Speed Left Front	0.000	MPH
Steering Wheel Angle	12.80	°
Longitudinal Acceleration	0.00	m/s^2
Wheel Speed Left Rear	0.000	MPH
Wheel Speed Right Rear	0.000	MPH
Primary Circuit Pressure	0.00	PSI
Yaw Rate	0.000	°/s
Lateral Acceleration	0.00	m/s^2
Engine Speed	0.0	rpm
Accelerator Pedal Position	0.0	%
Supplier Internal Code	330	

TBM2 | U0452-64 | Stored | Implausible Data Received From Restraints Control Module-Signal Plausibility Failure

NAME	VALUE	UNITS
DTC	C4 52 64	
Test Failed	False	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Confirmed DTC	True	
Test Failed Since Last Clear	True	
Warning Indicator Requested	False	
DTC Extended Data Record Number - All	01	
Test Not Completed Since Last Clear	False	
Test Not Completed This Operation Cycle	False	
Frequency Counter	4	

SNAPSHOT DATA SUMMARY

No Snapshot Data available for P2418

No Snapshot Data available for U0111

No Snapshot Data available for P0113

No Snapshot Data available for B2101

No Snapshot Data available for P06E4

No Snapshot Data available for P0032

No Snapshot Data available for P0038

No Snapshot Data available for P0052

No Snapshot Data available for P0058

No Snapshot Data available for U0100-00

No Snapshot Data available for B212C-13

No Snapshot Data available for U0154-00

No Snapshot Data available for U0100-00

No Snapshot Data available for U0159-00

No Snapshot Data available for U1215-00

No Snapshot Data available for U0422-00

No Snapshot Data available for B10EB-00

No Snapshot Data available for U0100-00

No Snapshot Data available for U1215-00

No Snapshot Data available for U0159-00

No Snapshot Data available for U1216-00

No Snapshot Data available for U0131-00

No Snapshot Data available for U0100-00

No Snapshot Data available for U1216-00

No Snapshot Data available for U1215-00

No Snapshot Data available for U0159-00

No Snapshot Data available for U11E8-00

No Snapshot Data available for U151A-87

No Snapshot Data available for U1514-87

RADIO | B1431-00 | Stored | Bluetooth Antenna Internal Performance-

Record 0

NAME	VALUE	UNITS
Confirmed DTC	True	
DTC	94 31 00	
Test Failed	False	
Pending DTC	False	
Test Failed This Operation Cycle	False	

Record 1

NAME	VALUE	UNITS
Confirmed DTC	True	
DTC	94 31 00	
Test Failed	False	

Pending DTC	False	
Test Failed This Operation Cycle	False	

Record 2

NAME	VALUE	UNITS
Confirmed DTC	True	
DTC	94 31 00	
Test Failed	False	
Pending DTC	False	
Test Failed This Operation Cycle	False	

Record 3

NAME	VALUE	UNITS
Confirmed DTC	True	
DTC	94 31 00	
Test Failed	False	
Pending DTC	False	
Test Failed This Operation Cycle	False	

No Snapshot Data available for U0140-00

No Snapshot Data available for U0140-00

No Snapshot Data available for P1CDC-00

No Snapshot Data available for P167B-00

No Snapshot Data available for U0293-00

No Snapshot Data available for U0151-00

No Snapshot Data available for U0100-00

No Snapshot Data available for P1CDC-00

No Snapshot Data available for P0A0A-00

No Snapshot Data available for P2185-00

No Snapshot Data available for P2534-00

No Snapshot Data available for P2611-00

No Snapshot Data available for P01E6-00

No Snapshot Data available for P0513-00

No Snapshot Data available for P0533-00

No Snapshot Data available for P0562-00

No Snapshot Data available for P0A0A-00

No Snapshot Data available for P0C43-00

No Snapshot Data available for P0C4A-00

No Snapshot Data available for P0CD6-00

No Snapshot Data available for P26A7-00

No Snapshot Data available for U0100-00

No Snapshot Data available for U0111-00

No Snapshot Data available for U0151-00

No Snapshot Data available for U016B-00

No Snapshot Data available for U0293-00

No Snapshot Data available for U0298-00

No Snapshot Data available for U11F8-00

No Snapshot Data available for U1818-00

No Snapshot Data available for U1830-00

No Snapshot Data available for U0293-00

No Snapshot Data available for U0140-00

No Snapshot Data available for U0422-00

No Snapshot Data available for B15AD-00

No Snapshot Data available for B23C5-92

No Snapshot Data available for C211B-00

No Snapshot Data available for U0104-00

No Snapshot Data available for C211B-00

No Snapshot Data available for U0452-64