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nicle Isolation Diagnostic Status	Valid
hicle Isolation Impedance	Running
ttery Isolation Diagnostic Status	6.3855
attery Isolation Impedance	Run and Passed
Battery Cooling Inlet Temp	16.3837
Battery Inlet Temp Sensor volts	127
Battery outlet Temp	2.0000
Battery outlet Temp Sensor Volts	127
Radiator Inlet Temp	2.0000
Radiator Inlet Temp Sensor Volts	32
Battery is disabled due to impact	0.0000
Reason why disabled - Impact open command from HCP	False
	False

Isolation Circuitry Vd	0.000
BPCM Module Temp Sensor 1	127
BPCM Module Temp Sensor 2	124
BPCM Module Temp Sensor 3	124
BPCM Module Temp Sensor 4	124
BPCM Module Temp Sensor 5	126
BPCM Module Temp Sensor 6	127
BPCM Module Temp Sensor 7	126
BPCM Module Temp Sensor 8	126
BPCM Module Temp Sensor 9	124
BPCM Module Temp Sensor 10	124
BPCM Module Temp Sensor 11	124
BPCM Module Temp Sensor 12	124

CONFIGURATION REPORT

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

Odometer 1195.1 miles
Publication Date Jun 25, 2021, 1:17:40 PM

ECU SUMMARY INFO

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

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

ECU SUMMARY INFO (CONT...)

ECU	COUNTRY CODE	HARDWARE VERSION	SOFTWARE VERSION	IDENT	CVNS
PCM	USA	1B 47	75 01 01	4422	F2DB13B9
PLGM	USA	0	5270	000200000031	
ICS	USA	0F 0C 00	13 31 01	4700	
RFH	USA / USA	10 17 00	13 26 00	4A00	
ESM	USA / USA	0F 24 00	12 28 FF	4402	
ORC	USA / USA	12 1A 00	13 2E 00	4301	

EPS	USA / USA	12 2A 00	12 1E 01	4502	
HVAC	USA	0E 09 00	14 2F 01	4401	
DDM	USA	11 07 00	14 07 00	4202	
PDM	USA	11 07 00	14 07 00	4202	
DMRL	USA / USA	10 0B 00	14 08 00	4201	
DMRR	USA / USA	10 0B 00	14 08 00	4201	
PSDML	USA / USA	10 17 00	14 10 12	4001	
PSDMR	USA / USA	10 17 00	14 10 12	4001	
MSM	USA	0F 2B 00	10 27 03	4101	
CSWM	USA	11 2A 00	14 25 00	4302	
AMP	USA	18 2E 01	13 15 00	4030	
IPC	USA / USA	12 06 00	14 2B 00	4705	
PTS	USA	0E 32 00	14 07 00	4311	
SCCM	USA	13 28 00	13 29 00	4301	
BCM	USA	0D 11 00	14 26 90	4420	
ACC	USA / USA	14 12 01	14 26 01	4400	
RADIO		65	5175	000200000008	
OCM	USA / USA	11 1F 01	0E 2F 02	4030	
HVACR	USA	0E 09 00	10 03 02	4301	
LBSS	USA / USA	11 30 02	12 0D 00	4202	
RBSS	USA / USA	11 30 02	12 0D 00	4202	
FFCM	USA / USA	11 06 00	13 1E 00	4102	
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	879F1587 D754327D 050DC953
OBCM	USA	0F 0D 00	12 02 00	4002	
MSMP	USA	0F 2B 00	10 27 03	4001	
DSM	USA / USA	14 0C 00	14 28 00	4300	
VRM	USA / USA	0F 1C 00	14 1E 14	4001	
RCCC	USA	0F 1D 00	13 04 00	4000	
EAC	USA	0E 34 00	12 0F 00	4102	
AHCP	USA	11 1F 04	0F 2D 00	4000	
EBBM	USA	0E 19 02	14 0D 18	4000	E5898FA5
ABSO	USA	0E 15 02	14 1B 26	4201	4F158D1B
SGW		5	969	4103	
TBM2	USA	13 0E 02	14 2A 5C	4104	

CONFIGURATION

PCM CONFIGURATION

NAME	VALUE	UNITS
Secondary Mass Airflow Sensor Equipped	False	
Active Exhaust Pressure Sensor Equipped	False	

Active Exhaust Valve(s) Equipped	False	
Electronic Parking Brake Equipped	True	
Heater Temp Control Valve Equipped	False	
Wastegate HBridge Equipped	False	
Aux Coolant Pump Heater Equipped	False	
Mechanical Coolant Pump Equipped	False	
High Side Port Tumble Valve Equipped	False	
Direct Injection Equipped	False	
Brake Pedal Sensor Equipped	False	
Active Engine Mount Equipped	False	
SRV Equipped	False	
Clutch Interlock Switch Equipped	False	
Mechanical Coolant Pump Heater Equipped	False	
2.0 Liter WI4 engine	False	
Transmission Software Included	False	
Sensorless FFV Enabled	False	
TIP Equipped	False	
5.7 Liter V8 Engine	False	
62TE	False	
Adaptive Cruise Control Hardware Equipped	False	
MDS Equipped	False	
Electric Thermostat Heater Equipped	False	
Rear Heater Equipped	False	
Unleaded Gasoline Fuel	True	
Knock Sensor 2 Equipped	True	
ETC Cruise equipped	False	
3.8 Liter V6 Engine	False	
ZF 9-Speed Transmission Equipped	False	
AC Equipped Over Bus	False	
VLP Is Learnable Indicator	False	
Power Steering Switch Equipped	False	
Primary Lin Alternator Equipped	False	
Tumble Generator Valve Equipped	False	
Fiat 940 Compact Equipped	False	
CUSW PROXI Write Programming Support Enabled	False	
Engine Software In Package	True	
Dual Fuel Pressure Sensor Equipped	False	
Wide Range O2 Sensor 1/1 Equipped	False	
66RFE / 68RFE	False	
A/C Equipped	True	
4 Speed Automatic Transmission Equipped	False	
Electronic Throttle Control Equipped	True	
O2 Sensor Bank 2 Sensor 2 Equipped	True	
Secondary Air Equipped	False	

High Side Port Tumble Valve Equipped	Undefined	
Shift Indicator Lamp Equipped	False	
3.3 Liter V6 Engine	False	
4.0 Liter I6 Engine	False	
Turbocharger Equipped	False	
45RFE / 545RFE / 65RFE	False	
3 Speed Fan Mechanical Relay System Equipped	False	
GPEC3 Equipped	False	
O2 Sensor Bank 2 Sensor 1 Equipped	True	
Constant Heater Temperature Control Valve Equipped	False	
Air Shutoff Valve Bank 1 Control Solenoid 2 Equipped	False	
Secondary Fuel Pump Equipped	False	
Aisin 6-Speed RWD Transmission Equipped	False	
Fixed displacement AC Equipped	True	
Air Shutoff Valve Bank 2 Control Solenoid 2 Equipped	False	
PTO System Equipped	False	
VMM Equipped	False	
O2 Sensor Bank 1 Sensor 2 Equipped	True	
Viscosity Sensor Equipped	False	
Transmission Oil Heater Equipped	False	
Electronic Vacuum Pump Equipped	False	
MultiAir Equipped	False	
6.2 Liter V8 Engine	False	
Auxiliary Coolant Pump Equipped	False	
Police Package Equipped	False	
Linear Purge Equipped	False	
DUAL_ALTERNATOR_GEN1_LEARNEDCOPY	False	
2.7 Liter V6 Engine	False	
Oil Pressure Sensor Enabled	True	
Exhaust Cam 1 Equipped	True	
MTV Solenoid Equipped	False	
GPEC4 Equipped	False	
Active Exhaust Valve Equipped	False	
WI4 Variable Valve Timing Equipped	True	
Exhaust Cam 2 Equipped	True	
Supercharger Equipped	False	
Adaptive Cruise Control Equipped	True	
Continuous Variable Transmission Equipped	False	
Powernet Equipped	True	
Low Temperature Radiator Coolant Pump Equipped	False	
TOOLCONFIG_OIL_PRESS_ABS_EQUIPPED	True	
3.7 Liter V6 Engine	False	
Port Flap Valve Equipped	False	
O2 Sensor Bank 1 Sensor 1 Equipped	True	

WI4 Intake Flow Control Valve Equipped	False	
GPEC2A Equipped	True	
Trans Skip Shift Equipped	False	
42RLE	False	
4 Button Integrated Cruise Control	False	
Yaw Rate Sensor ESC Equipped	False	
Vehicle Speed Sensor #1 Calculated by ECU	False	
GPEC2 Equipped	False	
Buffered Crank Output for ANC (Active Noise Cancellation) Equipped	True	
Engine Idle Shutoff Equipped	False	
Brushless PWM Fan Equipped	NOT_FAN_PWM_BOSCH_BRUSHLESS_CNFG	
3.0 Liter V6 Engine	False	
Operator Idle Speed Request Equipped	False	
Auxiliary Heater Electric Water Pump Equipped	False	
3.2 Liter V6 Engine	False	
Electronic Coolant Pump Equipped	False	
HPT 6-Speed Transmission Equipped	False	
Dual Fuel Tank Equipped	False	
Wide Range O2 Sensor 2/1 Equipped	False	
Engine Oil Heater Cooler Equipped	True	
Active Grille Shutter Equipped	True	
Coolant On-Off Valve Equipped	False	
Cummins Equipped	False	
Electronic Automatic Transmission (EATX) Equipped	False	
Fan Wake Up Relay System Equipped	False	
Linear EGR Equipped	False	
Barometric Sensor Equipped	False	
40TE / 41TE / 41TEA	False	
CMCV H-Bridge Equipped	Undefined	
Intake Cam 2 Equipped	True	
O2 Sensor Bank 1 Sensor 3 Equipped	False	
AC Equipped	False	
1 Speed Fan Mechanical Relay System Equipped	False	
Battery Temp Sensor Equipped	False	
Dual Stage Oil Pump Equipped	True	
Dual Speed Fuel Pump Equipped	False	
Next Gen Bus Equipped	False	
EMAT (Getrag DCT transmission) Equipped	False	
Air Shutoff Valve Bank 1 Control Solenoid 1 Equipped	False	
Active Exhaust Pressure Sensor Equipped	False	
Buffered Crank Output for PHEV Engine Pulse Calculation Equipped	True	
Throttle Inlet Temp Sensor Equipped	False	
Starter Relay 2 Equipped	False	
Electric Coolant Valve Equipped	False	

Cooled EGR Equipped	False	
Duty Cycle Purge Valve Equipped	True	
Turbine Volute Valve Actuator Equipped	Undefined	
Vehicle Speed Sensor #1 Calculated from CAN	False	
Linear PWM Fan Relay System Equipped	False	
Knock Sensor 1 Equipped	True	
Humidity, Temperature and Pressure Sensor (LIN) Equipped	False	
VLP Equipped Indicator	False	
VFS Actuators Available Indicator	False	
Engine Stop Start Equipped	False	
1.0 Liter I3 Engine	False	
Variable Speed Fuel Pump Equipped	True	
Compressed Natural Gas Equipped	False	
ICC Cruise Equipped	False	
Coolant On-Off Pump Equipped	False	
3.6 Liter V6 Engine	True	
Unleaded diesel fuel	False	
2 Speed Fan 3 Driver 3 Relay System Equipped	False	
ESIM Equipped	False	
Variable Displacement AC Equipped	False	
4.7 Liter V8 Engine	False	
PWM Fan Motor System Equipped	True	
ERS Equipped Indicator	False	
Fiat VIN Learning Strategy Equipped	False	
Inrush Current Reduction Relay Equipped	False	
Intake Cam 1 Equipped	True	
2 Speed Fan Mechanical Relay System Equipped	False	
6.4 Liter V8 Engine	False	
6.1 Liter V8 Engine	False	
2.4 Liter WI4 engine	False	
Trans Reverse Lockout Equipped	False	
CUSW (11-Bit) Equipped	False	
Auxiliary Coolant Pump Heater Equipped	Undefined	
Electric Water Pump Equipped	False	
3.5 Liter V6 Engine	False	
Hybrid Electric Vehicle Equipped	True	
2 Speed Fan PWM Relay System Equipped	False	
Wastegate H-Bridge Equipped	Undefined	
1.8 Liter WI4 engine	False	
Operator Idle Speed Request Equipped	False	
Cylinder Pressure Sensor Equipped	False	
Throttle Inlet Temp Sensor Equipped	False	
Mass Airflow System Equipped	False	
Clutch Sensor Equipped	False	

Dual Fuel Pressure Sensor Equipped	False	
Make Up Air Sensor Equipped	False	
Bi-Directional Crank Sensor Equipped	True	
CUSW 4-Button Cruise Equipped	False	
SWAP HARDWIRED BRAKE SWITCH INPUTS	False	
5 Button Cruise (LIN) Equipped	True	
Power Steering Angle Sensor Mandatory	False	
LIN Humidity, Temp, and Pressure Sensor Equipped	False	
INTAKE O2 SENSOR EQUIPPED	False	
Brake Pedal Sensor Equipped	False	
Remote Start Present	Present	
Coolant On-Off Pump Equipped	Not Equipped	
Primary Lin Alternator Equipped	Not Equipped	
Variable Valve Lift Equipped	Not Equipped	
2.0 Liter I4 Direct Injection Engine	False	
1.0 Liter I3 Engine	False	
Low Temp Radiator Coolant Pump Equipped	False	
Engine Idle Shutoff Equipped	False	
ZF 9-Speed Trans Equipped	False	
A/C Relay Powered from Engine Switched Battery	False	
PTO System Equipped	False	
HPT 6-Speed Trans Equipped	False	
Hybrid MEC Shifter Equipped	False	
CNG Large Gas Tank Equipped	False	
Dual Alternator Gen1 Capable	False	
Dual Fuel Tank Equipped	False	
Cooled EGR Equipped	False	
Auxillary Coolant Pump Equipped	False	
Supercharger Equipped	False	
Engine Oil Pressure Sensor Type	255	None

ICS CONFIGURATION

NAME	VALUE	UNITS
Display Type (Mid)	False	
Display Type (Base)	True	
Display Type (High)	False	

RFH CONFIGURATION

NAME	VALUE	UNITS
Hardware Configuration: Trunk Door Handle H/W	Simple Switch AP	
Hardware Configuration: Remote Start Antenna	Present	
Hardware Configuration: Front Right Door Handle H/W	Serial AP	
Hardware Configuration: Front Left Door Handle H/W	Serial AP	
Hardware Configuration: Rear Right Door Handle H/W	No AP	

Hardware Configuration: Rear Left Door Handle H/W	No AP	
Valid Key In Ignition	Yes	
Fob Location #3 Successfully Programmed	Yes	
Fob Location #5 Key sense status	Fob is NOT Key Sense	
Secret Key Sent to Body Controller - Original attempt	Yes	
Fob Location #7 Key sense status	Fob is NOT Key Sense	
Fob Location #3 Key sense status	Fob is Key Sense	
Fob Location #7 Successfully Programmed	No	
Fob Location #6 Successfully Programmed	No	
Fob Location #5 Successfully Programmed	No	
Fob Location #8 Key sense status	Fob is NOT Key Sense	
PIN Successfully Programmed	Yes	
RFHub Locked	RFHUB Locked after IAC write	
Fob Location #1 Key sense status	Fob is NOT Key Sense	
Fob Location #4 Key sense status	Fob is NOT Key Sense	
Fob Location #6 Key sense status	Fob is NOT Key Sense	
Fob Location #1 Successfully Programmed	Yes	
Secret Key Sent to Body Controller - Most recent attempt	Yes	
Fob Location #2 Successfully Programmed	Yes	
Fob Location #4 Successfully Programmed	No	
Fob Location #2 Key sense status	Fob is NOT Key Sense	
VIN Successfully Programmed	Yes	
Fob Location #8 Successfully Programmed	No	
Base TPM	False	
Auto Park Present	True	
e-shifter present	True	
Secret Codes Programmed	True	
KeySense Configuration	True	
Ignition system type connected	KIN system	
RKE	True	
Remote Start Present	True	
$0214 Programmed by	Programmed by Supplier EOL	
TPM Auto-Locate Enabled	True	
Keyless Go	True	
Passive Entry	True	
Hybrid Type	PHEV	
Module Configuration Status	True	
Premium TPM	True	
Back Up ECU Configuration 16	True	
Back Up ECU Configuration 14	True	
Back Up ECU Configuration 7	True	
Back Up Vehicle Config 1	True	
Back Up ECU Configuration 10	True	
Back Up ECU Configuration 11	True	

Back Up Vehicle Config 4	True	
Back Up Vehicle Config 3	True	
Back Up Customer Settings Menu 1 (CSM1)	True	
Back Up ECU Configuration 2	True	
Back Up ECU Configuration 1	True	
Back Up ECU Configuration 9	True	
Back Up Programmed ECUs: Cabin Network	True	
Back Up Vehicle Config 5	True	
Back Up ECU Configuration 3	True	
Back Up Customer Settings Menu 2 (CSM2)	True	
Back Up Vehicle Config 6	True	
Back Up ECU Configuration 12	True	
Back Up Programmed ECUs: P/T Chassis Network	True	
Back Up ECU Configuration 4	True	
Back Up ECU Configuration 17	True	
Back Up ECU Configuration 8	True	
Back Up ECU Configuration 13	True	
Back Up Vehicle Config 7	True	
Back Up ECU Configuration 5	True	
Back Up Vehicle Config 2	True	
Back Up ECU Configuration 15	True	
Back Up ECU Configuration 6	True	

ORC CONFIGURATION

NAME	VALUE	UNITS
First Row Driver Seatbelt Buckle Switch	Configured	
Driver Seat Track Position Sensor	Configured	
Second Row Left Seat Side Airbag	Not Configured	
Rollover Sensing	Configured	
Passenger Seatbelt Retractor Pretensioner	Configured	
Passenger Seatbelt Anchor Pretensioner	Configured	
Driver Seatbelt Anchor Pretensioner	Configured	
Left Side Seat Squib 1	Configured	
Driver Frontal Squib 3	Configured	
Passenger Seatbelt Load Limiter	Configured	
Passenger Occupant Detection Sensor	Not Configured	
Passenger Seatbelt Buckle Pretensioner	Not Configured	
Second Row Left seat belt Switch	Not Configured	
Left B-Pillar Impact Acceleration Sensor	Configured	
Right Up-Front Acceleration Sensor	Configured	
Configuration Column Identifier	A3	
Passenger Airbag Disable Indicator	Not Configured	
Passenger Frontal Squib 1	Configured	
Driver Frontal Squib 1	Configured	

Passenger Frontal Squib 3	Configured	
Right Side Seat Squib 1	Configured	
Second Row Right seat belt Switch	Not Configured	
Left Up-Front Acceleration Sensor	Configured	
Right Curtain Squib 1	Configured	
Left C-Pillar Impact Acceleration Sensor	Configured	
Passenger Seat Track Position Sensor	Configured	
Driver Knee Bolster Squib	Configured	
Occupant Classification (OCM)	Configured	
Passenger Frontal Squib 2	Configured	
Driver Frontal Squib 4	Not Configured	
Second Row Center seat belt Switch	Not Configured	
Left Curtain Squib 1	Configured	
Right Side Door Pressure Sensor	Configured	
First Row Passenger Seatbelt Buckle Switch	Configured	
Right B-Pillar Impact Acceleration Sensor	Configured	
Left D-Pillar Impact Acceleration Sensor	Configured	
Right D-Pillar Impact Acceleration Sensor	Configured	
Right C-Pillar Impact Acceleration Sensor	Configured	
Driver Seatbelt Load Limiter	Configured	
Driver Seatbelt Retractor Pretensioner	Configured	
Second Row Right Seat Side Airbag	Not Configured	
Passenger Frontal Squib 4	Not Configured	
Passenger Airbag Disable Switch	Not Configured	
Passenger Knee Bolster Squib	Configured	
Driver Frontal Squib 2	Configured	
Left Side Door Pressure Sensor	Configured	
EPPM	Not Configured	
Driver Seatbelt Buckle Pretensioner	Not Configured	

EPS CONFIGURATION

NAME	VALUE	UNITS
Stop/Start Feature Active	False	
Parallel Park Assist Feature Active	False	
Dynamic Steering Torque Feature Active	True	
Lane Feedback Feature Active	True	

HVAC CONFIGURATION

NAME	VALUE	UNITS
HVAC Configuration	Dual Zone ATC + Rear	
Single Zone MTC Control (BB)	False	
DualZone ATC Control (BB)	True	
Dual Zone MTC Control (BB)	False	
MTC Without EBL (3Knob)	False	

MTC With EBL (3Knob)	False	
DualZone ATC Control (Factory) (BB)	True	
MTC heater only (3Knob)	False	

PDM CONFIGURATION

NAME	VALUE	UNITS
Frameless Window	False	

PSDML CONFIGURATION

NAME	VALUE	UNITS
VSIM Status	False	

PSDMR CONFIGURATION

NAME	VALUE	UNITS
UPFM Status (Present = True, Absent = False)	False	

MSM CONFIGURATION

NAME	VALUE	UNITS
Adjustable Pedals	False	
Telescope/Tilt	False	

CSWM CONFIGURATION

NAME	VALUE	UNITS
Vehicle Line L-Series	False	
Vehicle Line R-Series	True	
Vehicle Line D-Series	False	
Heated Steering Wheel	True	
Vehicle Line J-Series	False	
Vehicle Line U-Series	False	
Vehicle Line W-Series	False	
Vehicle Line M-Series	False	
Vehicle Line P-Series	False	
EC - Seat B	Programmed	
EC - Seat A	Programmed	

AMP CONFIGURATION

NAME	VALUE	UNITS
Premium - 3	False	
Premuim - 1 (8 channel)	False	
Premuim - 2 (12 Channel)	True	
Non -ANC	False	
Current EQ Checksum	AE CC 9B 99	
ANC Status	Off - Window Mute	

Left/Right Hand Drive	Left Hand Drive	
Current ANC Calibration ID - Service	RU PHEV 3.6L: Tripane Sunroof & Alpine AMP	
Teen Key Present	False	
Sub-EQ Set Selected	Sub-EQ#6 Selected	
Cabin Equalization Curve Number	52	
Surround Sound Activated	Not Set	
Door Module - Right Rear	Present	
Door Module - Left Front	Present	
Door Module - Left Rear	Present	
Door Module - Right Front	Present	
ANC Calibration Date - Year	16	
ANC Calibration Date - Week	24	
ANC Calibration Date - Patch Level	0	

IPC CONFIGURATION

NAME	VALUE	UNITS
PHEV	True	
Rear Fog Lamp	False	

PTS CONFIGURATION

NAME	VALUE	UNITS
Front License Plate Configuration	Front Plate Config - USA	
Front System with 6 Rear Sensors	False	
Rear System with 6 Front Sensors	False	

SCCM CONFIGURATION

NAME	VALUE	UNITS
Rear Wiper	True	
Paddle Shifter	False	
Cruise Control / ACC	True	
Tilt Telescope	False	

BCM CONFIGURATION

NAME	VALUE	UNITS
Number of Reprogramming Attempts - Counter #0	1	
Last Programmed Status	Service	
Vehicle Configuration Programmed Status	True	
ECU Configuration 6 (Brake)	3	
ECU Configuration 4	3	
Programmed ECUs: P/T Chassis Network	3	
ECU Configuration 2 (CBC Features)	3	
ECU Configuration 15 (Suspension)	3	
ECU Configuration 9 (ITM)	3	
ECU Configuration 5 (Doors)	3	

ECU Configuration 6 (Safety)	3	
Vehicle Configuration 2 - Write Counter	3	
Vehicle Configuration Auto Write Counter	1	
Vehicle Configuration 5 - Write Counter	3	
Vehicle Configuration 4 - Write Counter	3	
ECU Configuration 13	3	
Vehicle Configuration 7 - Write Counter	3	
ECU Configuration 10	3	
ECU Configuration 7 (CBC Exterior Lighting Calibrations)	3	
ECU Configuration 11	3	
ECU Configuration 5 (Memory)	3	
Programmed Network Configuration - Audio / Telematics Network	0	
ECU Configuration 8 (LIN and Miscellaneous)	3	
ECU Configuration 12	3	
Last Configuration Odometer	935	miles
Programmed ECUs: Hybrid LAN Network	0	
Vehicle Config CSM1	3	
Vehicle Configuration 6 - Write Counter	3	
ECU Configuration 3	3	
Vehicle Configuration 1 - Write Counter	3	
ECU Configuration 1 (CBC Configurable Inputs and Outputs)	3	
Programmed ECUs: Cabin Network	3	
ECU Configuration 6 (Suspension)	3	
ECU Configuration 6 (Powertrain)	3	
ECU Configuration 15 (CBC Features)	3	
Vehicle Configuration 3 - Write Counter	3	
Vehicle Config CSM2	3	
ECU Configuration 5 (Wireless)	3	
ECU Configuration 9A	3	
ECU Configuration 14	3	
Drive Configuration	2WD Front	
Special Packages	74	
Body Style	Station Wagon	
Vehicle Line	RU	
PTS Configuration	Rear / REAR	
Country Code	USA	
Model Year	2021	
Maximum Vehicle Speed	0	MPH
Left/Right Hand Drive	Left Hand Drive	
Select Speed Control Feature Present	Not Set	
Remote Start Present	Set	
Hill Descent Feature Present	Not Set	
Auto Highbeam	Set	

Shifter Type	5 Position Rotary Eshifter PRNDL / Type RS5L	
Emode Present	Not Set	
Performance Pages Present	Not Present	
Off Road Capable	Not Set	
Cruise Feature is Present	Not Set	
Thatcham Present	Not Set	
Air Conditioning Present	Not Set	
Full Size Spare	Not Set	
Special Packages IC	Pacifica	
Max Load Inflation Pressure Rear Tire	36.0	PSI
Power Inverter Type	No Power Inverter	
Rain Sensor Present	Set	
SKIM System Present	Not Set	
Flipper Glass Present	Not Set	
Max Load Inflation Pressure Front Tire	36.0	PSI
Vehicle is an SRT	Not Set	
Sport Mode Present	Not Set	
HVAC Configuration	Dual Zone ATC + Rear	
RKE System Present	Set	
Auto Headlamp Feature Present	Set	
Forward Collision Warning present	Set	
Chassis Type	Type 8	
Auto Park Present	Set	
Secondary Lock Present	Not Set	
Door Alert Feature Present	Not Set	
Disable Display of Radio Clock	Not Set	
Display Compass Heading Present	Set	
High Intensity Discharge Head Lamps	Set	
Paddle Shift Feature Present	Not Set	
T-Case Type	Not Present / Not Present	
Fuel Capacity	17	gallons
Wheel Base	Wheel base not programmed / WB_NP	
ELV Present	Not Set	
Keyless Go Present	Set	
Liftgate/Trunk Type	Power Liftgate	
ESCL system present	Not Set	
Collision Mitigation System present	Set	
FOBIK Safe Enable	Set	
Base TPM system present	Not Set	
Police Lighting Feature	Not Set	
Passive Entry Present	Set	
Window Express Feature Configuration	All windows express feature	
Power Left Sliding Door Present	Set	
Display Outside Temperature Present	Set	

Power Right Sliding Door Present	Set	
Two Fuel Sending Units Present	Not Set	
Adjustable Pedal Feature Present (non-Memory)	Not Set	
Vehicle Brand	Chrysler	
Premium TPM system present	Set	
Transfer Case Low Range Reduction Ratio	0.000	
Axle Ratio	3.251	
Transfer Case High Ratio	1.000	No Unit
Dynamic Tire Circumference (All or Rear)	89	inch
Steering Ratio at Negative Angle 1	0.0	No Unit
Analog Door Sensor Configuration	Driver Door Only Analog Sensor	
Air Quality System Present	Not Set	
Connector E Pin 8: PHEV HCP Hardwire Wakeup	Set	
Connector G Pin 24 (Internally tied to Connector F Pin 7): Ambient Lighting Output	Set	
Connector D Pin 22/ Connector D Pin 23: Ambient Temperature Signal/Return Present	Set	
Connector F Pin 23: Door Lock Switch Signal Front Passenger Present	Set	
Connector F Pin 29: Horn Switch Present	Set	
Connector D Pin 11: Stop/Turn Trailer Tow Left Output Present	Not Set	
Connector D Pin 7: Stop/Turn Trailer Tow Right Output Present	Not Set	
Connector E Pin 48 (Tied internally to Connector A Pin16): Rear Wiper Motor Control Output Present	Set	
Connector D Pin 9: Trailer Tow Backup Output Present	Not Set	
Connector G Pin 15: UGDO Feed Output Present	Set	
Connector A Pin 3/Connector D Pin 2: Low Beam Output Present	Set	
Connector E Pin 5: PHEV Fuel Door Switch Input	Set	
Connector F Pin 4: Liftgate Release Present	Not Set	
Connector E Pin 29: Rear Wiper Motor Park Signal Present	Set	
Connector G Pin 22: VTA Warning LED Output Present	Set	
Connector E Pin 9: Run-ACC Y Relay #2 Output Present	Set	
Connector E Pin 41: Charge Port Unlock Output Present	Set	
Connector E Pin 11: Vacuum Switch Input	Not Set	
Connector F Pin 8 : Liftgate Release Outside Handle Switch Present	Not Set	
Connector F Pin 6: Fuel Door Motor Output Signal Present	Set	
Connector G Pin 9: Ambient Light Dimmer Wheel Input Present	Set	
Connectro E Pin 37: Right HID Control Output Present	Not Set	
Connector E Pin 34: Vacuum Cleaner Relay Output Present	Not Set	
Connector F Pin 9: Analog Door Ajar Signal Front Driver Present	Set	
Connector A Pin 11: Hood Ajar Switch Input Present	Set	
Connector D Pin 12: PHEV ECM Hardwire Wake Up Output Present	Set	
Connector E Pin 4/Connector F Pin 32: Rear Park Lamps Output Present	Set	
Connector E Pin 3/Connector F Pin 42: Rear Turn Lamps Output Present	Not Set	
Connector D Pin 10: Trailer Tow Tail Lamp Output Present	Not Set	

Connector E Pin 7: Left HID Relay Control Output Present	Not Set	
Connector F Pin 35: Inverter Enable Relay Output Present	Set	
Connector A Pin 10/Connector D Pin 5: Side Markers Output Present	Set	
Connector E Pin 39/Connector F Pin 5: Rear Fog Lamps Output Present	Not Set	
Connector E Pin 42: Charge Port Lock Output Present	Set	
Side Repeaters Enable	Not Set	
Front Wiper Park Enable	Set	
Headlamp Washer Low Fluid Shut-Off Enable	Set	
Illuminated approach Enabled	Not Set	
Reversible Washer Pump Enable	Set	
Exterior Light Loadshed Enable	Set	
LED Front Park/Marker Lamps Present	Set	
LED Front Turn Lamps Present	Not Set	
Front Fog Lamp Dropout Enable	Set	
Headlamp Wash Spray Duration (at 100 ms intervals)	1100ms	
DRL Configuration	No DRL	
Trailer Tow Present	Not Set	
LED High Beam Lamps Present	Set	
Horn Chirp Allowed	Set	
Headlamp Wash Interval	wash cycle#11	
LED License Lamps Present	Set	
Wiper Service Position Enabled	Not Set	
Hazard Lamp Configuration	Latching Switch	
LED CHMSL Lamp Present	Set	
Fuel Door Release Enabled	Not Present	
LED Tail Lamps Present	Set	
Bi Xenon Headlamps Enable	Not Set	
Combined Rear Lighting Enable	Set	
LED Low Beam Lamps Present	Set	
DRL Dropout Enable	Not Set	
Headlamp Wash Shot	double	
One Touch Lane Change	Set	
Rear Wiper Park Enable	Set	
Combined Front Park/Turn Feature Enable	Not Set	
LED Dedicated DRL Present	Not Set	
Front Wiper Wipes After Wash	2 Wipes	
LED Stop Lamps Present	Not Set	
LED Rear Fog Lamps Present	Not Set	
Fuel Door Present	Not Set	
LED Front Fog Lamps Present	Set	
Tip Start Enabled	Set	
LED Rear Turn Lamps Present	Not Set	
Tunnel Detection	Not Set	
Dual Start Relay System Present	Not Set	

Park Lamp Loadshed Enable	Set	
Quad Headlamps Enable	Set	
LED Reverse Lamps Present	Not Set	
DRL Lamp Location	Low Beam DRL	
Intermittent Wiper States	4 Intermittent Wiper position Switch	
External Port Type	AUX + USB + extra USB	
Splashscreen Type	Vehicle Brand	
Rear Camera Present	Set	
Front Park Assist Present	Set	
Surround Sound Feature Present	Set	
Power Inverter Present	Not Set	
Microphone Type	Peiker 300 mv	
Antenna Type	Active Primary and no secondary antenna	
Front Heated Seats Present	Set	
Cabin Equilization Curve Number	RU Premium System - Alpine 12ch	
Microphone Tuning Parameter	Absent [Not Used]	
Heated Steering Wheel Present	Set	
Destination	United States of America	
Microphone Configuration	2 Microphones	
Power Door Locks Present	Set	
Disable CD Eject	Not Set	
Fleet Vehicle Content	Not Set	
AP4 Right Rear	CAN	
Tip Start Present	Set	
Airport Scenario Trunk	Not Set	
AP2 Right Front	Smart Switch	
AP5 Trunk Lock	Simple Switch	
AP3 Left Rear	CAN	
Vehicle Variant	Undefined	
AP1 Left Front	Smart Switch	
AP5 Trunk Unlock	CAN	
Passenger Window Lockout	Not Set	
Blindspot Mirror Present	Set	
Heated Mirrors Present	Set	
Window Hall Sensors Present	Not Set	
Passenger Memory Mirror Present	Set	
Puddle Lamp Present	Not Set	
Electro-chromatic driver mirror present	Set	
Sun Shade	Not Set	
Mirror turn signals present	Set	
Electro-chromatic passenger mirror present	Not Set	
Tow Mirror Present	Not Set	
Folding mirrors present	Set	
Global Down	Not Set	

Frameless Window Present	Not Set	
Window Motor Type	Not Set	
Driver Memory Mirrors Present	Set	
Global Up	Not Set	
Rear Door Pre Short Drop	Not Set	
Stow 'n Assist Present - Passenger	Set	
Memory Adjustable Pedals Present	Not Set	
Heated Steering Wheel Present	Present	
Heated Wheel Material Type	Full Leather	
Heated Seat Material Type	Base Leather	
Front Vented Seats Present	Present	
Rear Heated Seats Present	Not Present	
Stow 'n Assist Present - Driver	Set	
Tilt/Telescope Steering Present	Not Set	
Driver Memory Seat Present	Set	
Brake System ECU Configuration A	value 0	
Dual Alternator Present	Not Set	
ECO Mode Configuration	Remember Previous State with Ignition Key Cycle	
Max Engine Off Time	220	Time
Connector E Pin 3: Left Rear Turn Signal	Left Rear Turn Signal	
Connector F Pin 29: Horn Switch Present	Horn Switch Input	
Humidy Sensor Long Present	Set	
Connector F Pin 13: Left Sliding Door Switch Input (B-Pillar)	Left B-Pillar sliding Door Switch	
Heatsoak Speed	15	Counter
License Plate Lamp Disable	Not Set	
Engine Off Clear Time	180	Time
CHMSL Lamp Output Disable	Not Set	
Ambient Stable Counter Limit	40	Counter
Conncetor F Pin 33: Fuel Door Unlock (BUX)	Not Present	
Connector F Pin 14: Right Sliding Door Switch Input (B-Pillar)	Right B-Pillar Sliding Door Switch	
Connector F Pin 37: Vacuum Cleaner Power Saver Indicator	Not Present	
Connector F Pin 34: Spare HSD	Not Present	
Connector F Pin 30: Fuel Door Lock (BUX)	Not Present	
Connector G Pin11/Connector G Pin 12: Not Used	ERS	
Heatsoak Flush Time	105	Time
Connector E Pin 48 (Tied internally to Connector A Pin16): Rear Wiper Motor Control Output Present	Rear Wiper (0)	
Auto High Beam Module Location	HaLF	
Connector E Pin 39: Right Rear Turn Signal	Right Rear Turn Signal	
Manual Door Locks Present	Not Set	
Connector E Pin 28: Secondary Door Ajar Switch Present - PIN E-28	Set	
Heatsoak Set Time	15	Time
Rain Sensor Module #2 Present	Set	
Connector F Pin 15: Driver Door Lock Switch Input	Not Present	

Average Last Longitudinal Acceleration Values	No Averaging	
Nose Dive Threshold	Filter Off	
Acceleration Threshold	Filter Off	
Excess Lateral Acceleration Factor	Filter Off	
Average Last Lateral Acceleration Values	No Averaging	
Maximum Longitudinal Change	Filter Off	
Excess Longitudinal Acceleration Factor	Filter Off	
Brake Smoothing Duration	Filter Off	
Steering Smoothing Duration	Filter Off	
Nose Dive Factor	Filter Off	
Brake Smoothing Factor	Filter Off	
Brake Smoothing Threshold	Filter Off	
Maximum Lateral Change	Filter Off	
Acceleration Factor	Filter Off	
Steering Smoothing Threshold	Filter Off	
Steering Smoothing Factor	Filter Off	
Parking Light Enable	Not Set	
Auto High Beam OFF Threshold	20 km/hr	
Interior Lighting Day Threshold	4.27498	Volt
RKE Auto-Relock Feature Enable	Not Set	
Horn Chirp Duration	Short	
VTA Hood Ajar Monitoring	Not Set	
PE Auto-Relock Feature Enable	Set	
Interior Lighting Night Threshold	4.45147	Volt
Auto High Beam ON Threshold	25 km/hr	
Headlamp Soak Delay	1.0 sec	
Sunroof Present	Set	
Temperature Display Resolution	HaLF	
TPMS Configuration	Logic 1 NHTSA Enable Warning	
Smart Alternator Present	Not Set	
Automatic Crash Notification Feature Present	Undefined	
Drive Mode Version	Version 1	
Surround View Camera On/Off Softkey Present	Not Set	
Radio Speaker Open Circuit Disable (RF)	Not Set	
ANC Calibration Parameter Data Set	RU_PHEV_3.6L_tripane_SunRoof_Alpine_AMP	
Radio Speaker Open Circuit Disable (LF)	Not Set	
Radio Speaker Open Circuit Disable (RR)	Not Set	
Auto Dimming Mirror Hard Button Present	Set	
Show Phone Information in Cluster	01	
Radio Speaker Open Circuit Disable (LR)	Not Set	
Park Assist Tuning Set	Sahara	
ACC	Set	
IPC	Set	
BCM (PT)	Set	

OCM	Set	
HCP	Set	
EPS	Set	
AHLM	Not Set	
ABS	Not Set	
RFH	Set	
ORC	Set	
SCCM	Set	
TCM	Not Set	
PTS	Set	
ESL	Not Set	
ESM	Set	
ABSO	Set	
PCM	Set	
FFCM	Set	
Rear View Camera Dynamic Grid Lines Enabled	Set	
Rear View Camera Static Grid Lines Enabled	Not Set	
Ultrasonics	Not Set	
Siren	Not Set	
Tilt	Not Set	
HCP	Set	
OBCM	Set	
APM	Set	
ESM	Set	
AHCP	Set	
EAC	Set	
ECM	Set	
BPCM	Set	
ORC	Set	
EBCM	Set	
ESC	Set	
1st Row Seat Side Airbags Present	True	
Integrated EPP Present	False	
Passive Ped Pro Present	False	
Driver Kneebag Present	True	
Passenger Kneebag Present	True	
Tow Hooks Present	False	
BUX Market	False	
ODS Present	False	
Curtain Airbags Present	True	
IBS Minimal Charge Limit	10	AmpHrs
Battery Type II	22	
Battery Types	SNA	
IBS Minimum Charge Limit	600	mA

IBS Activate MWU	Not Set	
IBS Minimum Voltage Limit	5.0	Volts
IBS Quiescence Current Limit	-250	mA
Illuminated Approach Headlamp Target Percentage	125 (62.5%)	
Alert On System Fault	Set	
Panic Enable	Set	
CRVMM Present	Set	
Auto Relock Time	60	seconds
HFRM Present	Set	
IBS Present	Set	
Illuminated Approach Taillamp Target Percentage	125 (62.5%)	
Washer Fluid Level Voltage Threshold	4.46 volts	
Humidity Sensor Present	Set	
Fobik Safe Alerts Per Ignition Cycle	2	
Compass Mounting Orientation	Rightside up	
Illuminated Approach Interior Lighting Ramp Up Time	130(2600ms)	
Compass Mounting Angle	0	Degree
Alert On Search Timeout	Set	
EVIC SWS Module Present	Set	
Alert no Reply	Set	
VTA System Present	VTA	
OHC Module Present	Set	
Illuminated Approach Interior Lighting Target Percentage	100(50%)	
Sound Horn on Lock	Set	
Headlamps on with Wipers	Set	
Auto Unlock	Set	
Auto Highbeam	Set	
Sound Horn On Lock Status	Chirp on 1st press/FIRST	
Headlamp Delay Time	30	seconds
Unlock all doors on 1st press	Set	
Sound Horn on Remote Start	Set	
Daytime Running Lamps	Set	
Sliding Door Alert	Not Set	
Sliding Door Chime Enable	Set	
Accessory Delay Time	45	seconds
Hands Free Sliding Door Enable	Set	
Illuminated Approach Time	30	seconds
Flash Lamps on Lock	Set	
Auto Wipers	Set	
Auto Lock	Set	
Right Front Corner Voltage	13.4 Volts	
Left Rear Corner Voltage	14 Volts	
Right High Beam Voltage Regulation	13.8 Volts	
Auto Headlamp Off Threshold	2.54930	Volt

Left High Beam Voltage Regulation	13.6 Volts	
Right Low Beam Voltage Regulation	14 Volts	
Left Front Corner Voltage	13.2 Volts	
Right Rear Corner Voltage	14 Volts	
Auto Headlamp On Threshold	3.31409	Volt
Front Park/Turn Voltage	Park to Turn ratio 55 Percent	
Left Low Beam Voltage Regulation	13.6 Volts	
MSM	Set	
PSDML	Set	
DTV	Not Set	
AMP	Set	
MSMP	Set	
PDM	Set	
BCM (Interior Bus)	Set	
ITM	Not Set	
HVACR	Set	
HSM	Set	
DMRR	Set	
ICS	Set	
DSM	Set	
DDM	Set	
PLGM	Set	
ANC	Not Set	
PSDMR	Set	
HVAC	Set	
CVPM	Not Set	
FSM	Not Set	
EAM	Set	
Radio	Set	
EOMR	Set	
EDM	Set	
DMRL	Set	
VTM	Not Set	
VRM	Set	
Connector D Pin 12: PHEV ECM Hardwire Wake Up	Engine Control Module Wake up (PHEV only)	
Connector F Pin 25: Left Rear Turn Lamp Fault Sense	Disable	
Connector F Pin 31: Right Sliding Door Ajar	Right Sliding Door Ajar	
Connector F Pin 28: Right Rear Turn Lamp Fault Sense	Disable	
Connector A Pin 11: Hood Ajar Switch Signal	500 ohm series and 500 ohm parallel resistors	
Connector E Pin 39: Right Rear Fog Lamp	Output Disable	
Connector F Pin 42: Right Rear Turn Signal	Right Rear Turn Signal	
Connector E Pin 5: E-5 PHEV Fuel Door Switch Input	PHEV Fuel Door Switch	
Stop/Start Enable Switch Present	Not Set	
Connector D Pin 1: Left High Beam Feed	AUX High Beam	

Connector F Pin 29: Horn Switch Input	Horn Switch Input	
Connector F Pin 41: Backup-Reverse lamp Left	Not Set	
Connector D Pin 21: Brake Fluid Level Switch	no parallel resistor	
Connector F Pin 27: Left Sliding Door Ajar	Left Sliding Door Ajar	
Connector F Pin 4: Liftgate Release	Trunk/Liftgate Release	
Connector E Pin 7: Left HID Relay Control	Left HID Lamp Relay	
Connector F Pin 5: Left Rear Fog Lamp	Output Disable	
Connector A Pin 2: Right High Beam Feed	AUX High Beam	
Connector E Pin 37: Right HID Relay Control	Right HID Lamp Relay	
Connector E Pin 1: Backup-Reverse lamp Right	Set	
Connector E Pin 29: Rear Wiper Motor Park Signal	Reserved	
Connector E Pin 3: Left Rear Turn Signal	Left Rear Turn Signal	

RADIO CONFIGURATION

NAME	VALUE	UNITS
GPS on the Bus messaging Authorization	—	
Compass on the bus messaging Authorization	—	
Suspend Month	00	
Satellite Subscription ID	JUTWLDHH	
Satellite Subscription Status	Subscribed	
Reason Code	00	
Suspend Year	00	
Suspend Day	00	
Enumerated USB Devices	0	No Unit
SD Card Readers Detected	0	No Unit
Aux Jack	Not Inserted	
USB Hubs Detected	3	No Unit
Stereo Blend	Off	
Cabin EQ Curve Number Currently Used by Radio	223	events
High Cut	Off	
Anti-Theft Enable Status	On	
Front Seat Video Playback	Disabled	
Automated Loudness	Off	
Clock Defeat	On	
Distortion Limiting	Off	
12/24 Time Selection	12 Hour Time	
Splash Screen	Automatic	

HVACR CONFIGURATION

NAME	VALUE	UNITS
Dual Zone MTC Control (BB)	False	
MTC heater only (3Knob)	False	
DualZone ATC Control (BB)	False	
MTC w EBL (3Knob)	False	

MTC wo EBL (3Knob)	False	
Single Zone MTC Control (BB)	False	
DualZone ATC Control (Factory) (BB)	False	

LBSS CONFIGURATION

NAME	VALUE	UNITS
Steering (LHD/RHD)	Left Hand Drive/ LHD	
CFG FEATURE	CFG_NONE	
Teen Key (RU variant only)	Yes	

RBSS CONFIGURATION

NAME	VALUE	UNITS
Teen Key (RU variant only)	Yes	
Steering Variant (LHD/RHD)	Left Hand Drive/ LHD	

FFCM CONFIGURATION

NAME	VALUE	UNITS
XCP Enabled	False	
Traceability info	02203113903311	
HIL mode Enabled	False	
Traceability info	22203140101604	

EDM CONFIGURATION

NAME	VALUE	UNITS
Intrusion module	Not Present	
Blind-Spot Module	Not Present	
Video Ent. System Screen 1 Module	Not Present	
Heating Ventilation Air Conditioning	Not Present	
Integrated Center Stack Module	Not Present	
Passenger Door Control Module	Not Present	
Vehicle System Interface Module	Not Present	
Rear Body Controller Module	Not Present	
Convergence Telematics Module	Not Present	
Driver Door Control Module	Not Present	
CAN I in-dash disc player module	Present	
Right Rear Door Control Module	Not Present	
Left Power Sliding Door Module	Not Present	
Common Body Controller Int Bus	Not Present	
Left Rear Door Control Module	Not Present	
Memory Seat Module	Not Present	
Amplifier Module	Not Present	
Comfot Seats and Wheel Module	Not Present	
Power Liftgate Module	Not Present	
Power Top Control Module	Not Present	

Right Power Sliding Door Module	Not Present	
Folding Seat Module	Not Present	
Video Ent. System Screen 2 Module	Not Present	
Radio	Present	
VES	False	
VRM	False	
E-Mode Feature Present	False	
Remote Start Present	False	
Vehicle Line	RU	
Body Style	Station Wagon	
Left/Right Hand Drive	Not Programmed	
Vehicle Brand Type	Chrysler	

RCCC CONFIGURATION

NAME	VALUE	UNITS
MTC with EBL	False	
DualZone ATC Control	True	
MTC Heater Only	False	
Single Zone MTC Control	False	
Dual Zone MTC Control	False	
DualZone ATC Control	False	
MTC without EBL	False	

ABSO CONFIGURATION

NAME	VALUE	UNITS
Engine Displacement	3.6	No Unit
ESC BLA Enabled	False	
PN ESC Byte2	0	
PN ESC Byte1	0	
Drive Configuration	2WD Front	
Dynamic Tire Circumference	89	inch
VC Chassis Type	Type 8	
Axle Ratio	3.251	No Unit
Hardwired VSO	True	
ACC	True	
Multiple Pressure Sensors	True	
Rear Directional Sensors	True	
Feature PIN	False	
Front Directional Sensors	False	
EPB	True	

CUSTOM REPORT

Vehicle	2021 CHRYSLER PACIFICA (PHEV) 3.6L V6 HYBRID ENGINE	**Odometer**	1195.1 miles
VIN	2C4RC1S74[redacted]	**Publication Date**	Jun 25, 2021, 1:20:23 PM

FREEZE FRAME DATA

No Carb data available

No Freeze Frame #1 data available

No Freeze Frame #2 data available

No Freeze Frame #3 data available

No MisFire data available

No Most Recent DTC data available

EVENT DATA

No Event Data available

ENVIRONMENTAL DATA SUMMARY

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

NAME	VALUE	UNITS
Test Failed	False	
Test Failed This Operation Cycle	False	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Confirmed DTC	True	
Test Not Completed This Operation Cycle	False	
Occurrence flag	Error	
Warning Indicator Requested	False	
Pending DTC	False	
PRNDL Status	D range	
Vehicle Speed	13	MPH
Frequency Counter	1	
Most Recent Odometer Value	1133	miles
Object of Interest Distance	830	FEET
ACC Set Speed	0	MPH
Engine Torque Request	SNA	Ft-Lbs
Operation Cycle Counter	4	

Original Odometer Value	1133	miles
Engine RPM	1376	rpm
Ignition Voltage	14.0	
System Voltage	14.1	Volts

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

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	
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 3	False	
Fault trigger level 2	False	
Fault Path	01	
Key - DriveRdy (CAN)	True	
Battery Cell Highest Cell number	93	
Battery Cell Lowest Cell number	68	
Battery Temperature Highest Sensor number	04	
Battery Temperature Lowest Sensor number	12	
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	1A 9E 00	
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number - All	01	
Occurrence flag	Error	
DTC Extended Data Record Number - 2	62	
Ignition Cycle Counter	1	
Frequency Counter	5	
FoM - for this DTC (lifetime fails)	1	events
FoM - for this DTC (lifetime fails counts on pass)	4.0800	seconds
Battery Total Time Awake	18185864	seconds
FoM - for this DTC (lifetime longest fail on pass)	0.880	seconds
Vehicle mileage at time of fault (ODO signal in $3D2)	1129.03	miles
Battery Lifetime Miles	6682D7	miles
Vehicle Speed	58.0	MPH
System (12) Volts at time of fault	14.083	Volts
Battery Lifetime AmpHrs of Charge	899.0	AHr
SOC at time of Fault	27.8	%
Battery Lifetime AmpHrs of DisCharge	898.9	AHr
Power Up SOC at time of Fault	26.7	%
HVIL PWM Duty Cycle - Vehicle	50.2	%
HVIL PWM Frequency - Vehicle	87.9	Hz
HVIL PWM peak voltage Sourced - Vehicle	12.850	Volts
HVIL PWM peak voltage Sensed - Vehicle	12.794	Volts
HVIL Source Voltage- Battery	1.392	Volts
HVIL Returned current - Battery	30.60	mA
HV Battery Current Sensor 1 Hall High	-1.25	Amps
HV Battery Current Sensor 2 Hall Low	-0.25	Amps
HV Cooling Speed Pump 1 Target	600	rpm
HV Cooling Speed pump 1 Speed	600	rpm

HV Battery Current HVBatCrnt	-0.85	Amps
Charge indicator Temp	90	°F
BPCM temperature max	131	°F
BPCM temperature min	126	°F
Isolation Circuitry Va	2.501	Volts
Isolation Circuitry Vb	2.503	Volts
Isolation Circuitry Vd	0.000	Volts
WC and Circuitry 2.5V Reference Voltage	2.502	Volts
WC and Circuitry Vcc Voltage	5.026	Volts
WC and CircuitryISO 8V Reference Voltage	7.995	Volts
WC and Circuitry Weld Contactor Sensor G (Pack Negative) Voltage	-0.6	Volts
Cycles left to self heal	40	No Unit
HV Battery Charge Power 2sec	3000	watts
HV Battery Charge Power 10sec	300	watts
HV Battery Discharge Power 2sec	3000	watts
HV Battery Power	007511	watts
HV Battery Discharge Power 10sec	300	watts
Battery Lifetime Number Of Closes	454	
Battery Full AmpHr Capacity	49	AmpHrs
Cell Impedance Max Discharge	0	mOhms
Cell Impedance Mim Discharge	0	mOhms
Battery Cell Voltage Maximum	3595	mV
Battery Cell Voltage Minimum	3575	mV
HV Battery Voltage (cell sum)	344.00	Volts
HV Battery Voltage (Module Sum)	344.10	Volts
Battery Cell Voltage Average	3583	mV
HV Sensor A Pack Voltage	344.50	Volts
HV Sensor B Bus\Link (Pre-Fuse) Voltage	344.50	Volts
HV Sensor C OBCM (HVOBC Fuse) Voltage	344.40	Volts
HV Sensor D Heater (HVHTR Fuse) Voltage	344.50	Volts
HV Sensor G Weld Contactor(Pack Negative) Voltage	-0.6	Volts
Battery Temperature Maximum Module	131	°F
Battery Temperature Minimum Module	126	°F
HV Cooling Battery coolant inlet temp	144	°F
Battery Temperature Average Module	129	°F
HV Cooling Battery coolant outlet temp	145	°F
HV Cooling OBCM temp inlet Temp	106	°F
Isolation Vehicle Impedance	5.3485	Mega Ohms
Isolation Battery Impedance	4.7003	Mega Ohms
HV Bat SOH-R	97.6	%
HV Bat SOH-C	94.1	%
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	6150	rpm
Real time clock	429496.7295	seconds
Accelerator position	7.8	%
Real time clock-OS Task Delay Timer	0	
Original Odometer Value	1123	miles
Most Recent Odometer Value	1133	miles

BPCM | P1AA6-00 | Stored | Hybrid/EV Battery Temperature Sensor 4 Out of Range Low-

NAME	VALUE	UNITS
Key Position	Ign_ Run	
Key in Ignition	Key_Def	
EPT -WakeUp	Sourced	
HCP Contactor Command	Closed	
Qualified Contactor Command - QCC	Closed	
Verified Contactor Command - VCC	Closed Restricted	
Contactor Status	Closed	
Plug in Status	Not plugged in	
ChargingLevel	Plug in, but no charge	
Balance Mode	False	
Battery in Periodic wake up (Just battery) at time of Fault	False	
Battery in Periodic wake up (Wake up vehicle) at time of Fault	False	
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	80	
Battery Cell Lowest Cell number	68	
Battery Temperature Highest Sensor number	08	
Battery Temperature Lowest Sensor number	12	
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 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	1A A6 00	
Test Failed	False	
Test Failed This Operation Cycle	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	
DTC Extended Data Record Number - 2	66	
Frequency Counter	3	
Ignition Cycle Counter	1	
FoM - for this DTC (lifetime fails)	1	events
FoM - for this DTC (lifetime fails counts on pass)	2.8000	seconds
FoM - for this DTC (lifetime longest fail on pass)	1.040	seconds
Battery Total Time Awake	18181368	seconds
Battery Lifetime Miles	6682B6	miles
Vehicle mileage at time of fault (ODO signal in $3D2)	1124.06	miles
System (12) Volts at time of fault	14.135	Volts
Vehicle Speed	19.0	MPH
Battery Lifetime AmpHrs of DisCharge	897.8	AHr
Battery Lifetime AmpHrs of Charge	897.7	AHr
SOC at time of Fault	26.7	%
Power Up SOC at time of Fault	90.2	%
HVIL PWM Duty Cycle - Vehicle	50.2	%
HVIL PWM peak voltage Sourced - Vehicle	13.027	Volts
HVIL PWM Frequency - Vehicle	88.0	Hz
HVIL PWM peak voltage Sensed - Vehicle	12.941	Volts
HVIL Source Voltage- Battery	1.392	Volts
HVIL Returned current - Battery	30.60	mA
HV Battery Current Sensor 1 Hall High	7.25	Amps
HV Battery Current Sensor 2 Hall Low	7.80	Amps

HV Battery Current HVBatCrnt	9.35	Amps
HV Cooling Speed Pump 1 Target	600	rpm
HV Cooling Speed pump 1 Speed	600	rpm
Charge indicator Temp	86	°F
BPCM temperature max	131	°F
BPCM temperature min	127	°F
Isolation Circuitry Va	2.565	Volts
Isolation Circuitry Vb	2.503	Volts
Isolation Circuitry Vd	0.000	Volts
WC and Circuitry 2.5V Reference Voltage	2.502	Volts
WC and CircuitryISO 8V Reference Voltage	7.995	Volts
WC and Circuitry Vcc Voltage	5.026	Volts
HV Battery Charge Power 2sec	3000	watts
WC and Circuitry Weld Contactor Sensor G (Pack Negative) Voltage	-0.6	Volts
Cycles left to self heal	40	No Unit
HV Battery Charge Power 10sec	300	watts
HV Battery Discharge Power 2sec	3000	watts
HV Battery Discharge Power 10sec	300	watts
HV Battery Power	007672	watts
Battery Lifetime Number Of Closes	442	
Battery Full AmpHr Capacity	49	AmpHrs
Cell Impedance Max Discharge	0	mOhms
Cell Impedance Mim Discharge	0	mOhms
Battery Cell Voltage Maximum	3595	mV
Battery Cell Voltage Minimum	3586	mV
Battery Cell Voltage Average	3591	mV
HV Battery Voltage (cell sum)	344.70	Volts
HV Battery Voltage (Module Sum)	343.90	Volts
HV Sensor A Pack Voltage	343.90	Volts
HV Sensor B Bus\Link (Pre-Fuse) Voltage	343.90	Volts
HV Sensor C OBCM (HVOBC Fuse) Voltage	343.80	Volts
HV Sensor D Heater (HVHTR Fuse) Voltage	343.90	Volts
HV Sensor G Weld Contactor(Pack Negative) Voltage	-0.6	Volts
Battery Temperature Maximum Module	131	°F
Battery Temperature Average Module	129	°F
Battery Temperature Minimum Module	127	°F
HV Cooling Battery coolant inlet temp	151	°F
HV Cooling Battery coolant outlet temp	151	°F
HV Cooling OBCM temp inlet Temp	120	°F
Isolation Vehicle Impedance	4.6712	Mega Ohms
Isolation Battery Impedance	0.8480	Mega Ohms
HV Bat SOH-R	88.2	%
HV Bat SOH-C	94.5	%
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
Accelerator position	25.5	%
Engine Speed	1230	rpm
Real time clock	429496.7295	seconds
Real time clock-OS Task Delay Timer	0	
Original Odometer Value	1123	miles
Most Recent Odometer Value	1133	miles

BPCM | P1AAE-00 | Stored | Hybrid/EV Battery Temperature Sensor 6 Out of Range Low-

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	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	87	
Battery Cell Lowest Cell number	67	
Battery Temperature Highest Sensor number	08	
Battery Temperature Lowest Sensor number	12	
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	1A AE 00	
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number - All	01	
Occurrence flag	Error	
DTC Extended Data Record Number - 2	6A	
Frequency Counter	2	
Ignition Cycle Counter	1	
FoM - for this DTC (lifetime fails)	1	events
Battery Total Time Awake	18181400	seconds
FoM - for this DTC (lifetime longest fail on pass)	0.480	seconds
FoM - for this DTC (lifetime fails counts on pass)	1.6000	seconds
Vehicle mileage at time of fault (ODO signal in $3D2)	1124.06	miles
Battery Lifetime Miles	6682B6	miles
Vehicle Speed	0.0	MPH
System (12) Volts at time of fault	12.325	Volts
Battery Lifetime AmpHrs of Charge	897.7	AHr
Battery Lifetime AmpHrs of DisCharge	897.8	AHr
SOC at time of Fault	26.7	%
Power Up SOC at time of Fault	90.2	%
HVIL PWM Duty Cycle - Vehicle	50.2	%
HVIL PWM Frequency - Vehicle	87.9	Hz
HVIL PWM peak voltage Sourced - Vehicle	11.173	Volts
HVIL Source Voltage- Battery	1.392	Volts
HVIL PWM peak voltage Sensed - Vehicle	11.065	Volts
HVIL Returned current - Battery	30.60	mA

HV Battery Current Sensor 1 Hall High	-0.60	Amps
HV Battery Current Sensor 2 Hall Low	0.00	Amps
HV Battery Current HVBatCrnt	0.00	Amps
HV Cooling Speed pump 1 Speed	400	rpm
HV Cooling Speed Pump 1 Target	400	rpm
Charge indicator Temp	86	°F
BPCM temperature max	131	°F
BPCM temperature min	127	°F
Isolation Circuitry Va	2.501	Volts
Isolation Circuitry Vb	2.503	Volts
Isolation Circuitry Vd	0.000	Volts
WC and Circuitry 2.5V Reference Voltage	2.502	Volts
WC and Circuitry Vcc Voltage	5.017	Volts
WC and CircuitryISO 8V Reference Voltage	7.995	Volts
WC and Circuitry Weld Contactor Sensor G (Pack Negative) Voltage	-0.6	Volts
Cycles left to self heal	40	No Unit
HV Battery Charge Power 2sec	3000	watts
HV Battery Charge Power 10sec	3000	watts
HV Battery Discharge Power 2sec	3000	watts
HV Battery Discharge Power 10sec	3000	watts
HV Battery Power	007530	watts
Battery Lifetime Number Of Closes	442	
Battery Full AmpHr Capacity	49	AmpHrs
Cell Impedance Max Discharge	0	mOhms
Cell Impedance Mim Discharge	0	mOhms
Battery Cell Voltage Maximum	3590	mV
Battery Cell Voltage Minimum	3581	mV
Battery Cell Voltage Average	3585	mV
HV Battery Voltage (cell sum)	344.20	Volts
HV Battery Voltage (Module Sum)	343.90	Volts
HV Sensor A Pack Voltage	344.40	Volts
HV Sensor B Bus\Link (Pre-Fuse) Voltage	344.40	Volts
HV Sensor C OBCM (HVOBC Fuse) Voltage	344.30	Volts
HV Sensor D Heater (HVHTR Fuse) Voltage	344.40	Volts
HV Sensor G Weld Contactor(Pack Negative) Voltage	-0.6	Volts
Battery Temperature Maximum Module	131	°F
Battery Temperature Minimum Module	127	°F
Battery Temperature Average Module	129	°F
HV Cooling Battery coolant inlet temp	151	°F
HV Cooling Battery coolant outlet temp	151	°F
HV Cooling OBCM temp inlet Temp	122	°F
Isolation Vehicle Impedance	4.7272	Mega Ohms
HV Bat SOH-R	88.2	%
Isolation Battery Impedance	0.8480	Mega Ohms

HV Bat SOH-C	94.5	%
BPCM Sec MM Hw Reset Error Counter	0	cnts
BPCM Sec QA Error Counter	1	cnts
BPCM L2 SM Hw Reset Error Counter	0	No Unit
Engine Speed	0	rpm
Real time clock	429496.7295	seconds
Accelerator position	7.5	%
Real time clock-OS Task Delay Timer	0	
Most Recent Odometer Value	1123	miles
Original Odometer Value	1123	miles

BPCM | P1AAA-00 | Stored | Hybrid/EV Battery Temperature Sensor 5 Out of Range Low-

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 - Overtemperature	PASS	
Pump - Switch Power Shorted	PASS	
Pump - Overcurrent	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	87	
Battery Cell Lowest Cell number	67	
Battery Temperature Highest Sensor number	08	
Battery Temperature Lowest Sensor number	12	
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	1A AA 00	
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number - All	01	
Occurrence flag	Error	
DTC Extended Data Record Number - 2	68	
Frequency Counter	1	
FoM - for this DTC (lifetime fails)	1	events
Ignition Cycle Counter	1	
FoM - for this DTC (lifetime fails counts on pass)	5.0400	seconds
FoM - for this DTC (lifetime longest fail on pass)	2.400	seconds
Battery Total Time Awake	18185916	seconds
Vehicle mileage at time of fault (ODO signal in $3D2)	1129.50	miles
Battery Lifetime Miles	6682D9	miles
System (12) Volts at time of fault	12.660	Volts
Vehicle Speed	34.0	MPH
Battery Lifetime AmpHrs of DisCharge	898.9	AHr
Battery Lifetime AmpHrs of Charge	899.0	AHr
SOC at time of Fault	27.8	%
Power Up SOC at time of Fault	26.7	%
HVIL PWM Duty Cycle - Vehicle	50.2	%
HVIL PWM Frequency - Vehicle	87.9	Hz
HVIL PWM peak voltage Sourced - Vehicle	11.426	Volts
HVIL PWM peak voltage Sensed - Vehicle	11.353	Volts

HVIL Source Voltage- Battery	1.392	Volts
HV Battery Current Sensor 1 Hall High	-0.40	Amps
HVIL Returned current - Battery	30.60	mA
HV Battery Current Sensor 2 Hall Low	0.00	Amps
HV Battery Current HVBatCrnt	0.00	Amps
HV Cooling Speed Pump 1 Target	1200	rpm
HV Cooling Speed pump 1 Speed	1325	rpm
Charge indicator Temp	91	°F
BPCM temperature max	131	°F
BPCM temperature min	126	°F
Isolation Circuitry Vb	2.503	Volts
Isolation Circuitry Va	2.501	Volts
Isolation Circuitry Vd	0.000	Volts
WC and Circuitry 2.5V Reference Voltage	2.502	Volts
WC and Circuitry Vcc Voltage	5.019	Volts
WC and CircuitryISO 8V Reference Voltage	7.995	Volts
WC and Circuitry Weld Contactor Sensor G (Pack Negative) Voltage	-178.6	Volts
Cycles left to self heal	40	No Unit
HV Battery Charge Power 2sec	3000	watts
HV Battery Charge Power 10sec	3000	watts
HV Battery Discharge Power 2sec	3000	watts
HV Battery Discharge Power 10sec	3000	watts
HV Battery Power	007530	watts
Battery Full AmpHr Capacity	49	AmpHrs
Battery Lifetime Number Of Closes	454	
Cell Impedance Max Discharge	0	mOhms
Cell Impedance Mim Discharge	0	mOhms
Battery Cell Voltage Maximum	3592	mV
Battery Cell Voltage Average	3588	mV
Battery Cell Voltage Minimum	3584	mV
HV Battery Voltage (Module Sum)	344.00	Volts
HV Battery Voltage (cell sum)	344.40	Volts
HV Sensor B Bus\Link (Pre-Fuse) Voltage	62.20	Volts
HV Sensor A Pack Voltage	344.50	Volts
HV Sensor C OBCM (HVOBC Fuse) Voltage	62.00	Volts
HV Sensor D Heater (HVHTR Fuse) Voltage	62.00	Volts
HV Sensor G Weld Contactor(Pack Negative) Voltage	-178.6	Volts
Battery Temperature Minimum Module	126	°F
Battery Temperature Average Module	129	°F
Battery Temperature Maximum Module	131	°F
HV Cooling Battery coolant inlet temp	144	°F
HV Cooling Battery coolant outlet temp	144	°F
HV Cooling OBCM temp inlet Temp	100	°F
Isolation Vehicle Impedance	5.3605	Mega Ohms

HV Bat SOH-C	94.1	%
HV Bat SOH-R	97.6	%
Isolation Battery Impedance	4.7003	Mega Ohms
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	34.9	%
Real time clock	429496.7295	seconds
Real time clock-OS Task Delay Timer	0	
Original Odometer Value	1123	miles
Most Recent Odometer Value	1123	miles

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

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	
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 - Overcurrent	PASS	
Pump - Dry Run Detection	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	85	
Battery Cell Lowest Cell number	78	
Battery Temperature Highest Sensor number	08	
Battery Temperature Lowest Sensor number	12	
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	1A A2 00	
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number - All	01	
Occurrence flag	Error	
DTC Extended Data Record Number - 2	64	
Ignition Cycle Counter	1	
Frequency Counter	2	
FoM - for this DTC (lifetime fails)	1	events
FoM - for this DTC (lifetime longest fail on pass)	0.640	seconds
FoM - for this DTC (lifetime fails counts on pass)	3.0400	seconds
Battery Total Time Awake	18181376	seconds
Vehicle mileage at time of fault (ODO signal in $3D2)	1124.06	miles
Vehicle Speed	18.0	MPH
Battery Lifetime Miles	6682B6	miles
System (12) Volts at time of fault	14.150	Volts
Battery Lifetime AmpHrs of Charge	897.7	AHr
Battery Lifetime AmpHrs of DisCharge	897.8	AHr
SOC at time of Fault	26.7	%
Power Up SOC at time of Fault	90.2	%
HVIL PWM Duty Cycle - Vehicle	50.2	%
HVIL PWM Frequency - Vehicle	87.9	Hz

HVIL PWM peak voltage Sensed - Vehicle	12.982	Volts
HVIL PWM peak voltage Sourced - Vehicle	13.064	Volts
HVIL Source Voltage- Battery	1.392	Volts
HVIL Returned current - Battery	30.60	mA
HV Battery Current Sensor 1 Hall High	-10.00	Amps
HV Battery Current Sensor 2 Hall Low	-8.85	Amps
HV Battery Current HVBatCrnt	-9.40	Amps
HV Cooling Speed Pump 1 Target	600	rpm
HV Cooling Speed pump 1 Speed	600	rpm
Charge indicator Temp	86	°F
BPCM temperature max	131	°F
BPCM temperature min	127	°F
Isolation Circuitry Va	2.501	Volts
Isolation Circuitry Vb	2.416	Volts
Isolation Circuitry Vd	0.000	Volts
WC and Circuitry 2.5V Reference Voltage	2.502	Volts
WC and Circuitry Vcc Voltage	5.029	Volts
WC and CircuitryISO 8V Reference Voltage	7.995	Volts
Cycles left to self heal	40	No Unit
WC and Circuitry Weld Contactor Sensor G (Pack Negative) Voltage	-0.6	Volts
HV Battery Charge Power 2sec	3000	watts
HV Battery Charge Power 10sec	3000	watts
HV Battery Discharge Power 2sec	3000	watts
HV Battery Discharge Power 10sec	3000	watts
HV Battery Power	0073EB	watts
Battery Lifetime Number Of Closes	442	
Battery Full AmpHr Capacity	49	AmpHrs
Cell Impedance Max Discharge	0	mOhms
Cell Impedance Mim Discharge	0	mOhms
Battery Cell Voltage Maximum	3594	mV
Battery Cell Voltage Minimum	3586	mV
Battery Cell Voltage Average	3590	mV
HV Battery Voltage (cell sum)	344.60	Volts
HV Battery Voltage (Module Sum)	344.30	Volts
HV Sensor A Pack Voltage	344.90	Volts
HV Sensor C OBCM (HVOBC Fuse) Voltage	344.80	Volts
HV Sensor B Bus\Link (Pre-Fuse) Voltage	344.80	Volts
HV Sensor D Heater (HVHTR Fuse) Voltage	344.90	Volts
HV Sensor G Weld Contactor(Pack Negative) Voltage	-0.6	Volts
Battery Temperature Maximum Module	131	°F
Battery Temperature Minimum Module	127	°F
Battery Temperature Average Module	129	°F
HV Cooling Battery coolant outlet temp	151	°F
HV Cooling Battery coolant inlet temp	151	°F

HV Cooling OBCM temp inlet Temp	120	°F
Isolation Vehicle Impedance	4.6712	Mega Ohms
Isolation Battery Impedance	0.8480	Mega Ohms
HV Bat SOH-R	88.2	%
HV Bat SOH-C	94.5	%
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	4830	rpm
Accelerator position	33.3	%
Real time clock	429496.7295	seconds
Real time clock-OS Task Delay Timer	0	
Original Odometer Value	1123	miles
Most Recent Odometer Value	1123	miles

BPCM | P1A21-00 | Stored | HV Battery Contactor Control Sequence Incorrect-

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	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 2	False	
Fault trigger level 1	False	
Fault trigger level 3	False	
Fault Path	01	
Key - DriveRdy (CAN)	True	
Battery Cell Highest Cell number	85	
Battery Cell Lowest Cell number	76	
Battery Temperature Highest Sensor number	08	

Battery Temperature Lowest Sensor number	12	
Battery Temperature Number of Failing Sensors	00	
HV Cooling Pump Relay Drive	Not Sourced	
Isolation Vehicle Diagnostic Status	Run and Passed	
Pump - Battery Coolant Level Low	False	
Isolation Battery Diagnostic Status	Run and Passed	
BPCM Sec Asic Reset Req	Not Active	
BPCM 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	1A 21 00	
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number - All	01	
Occurrence flag	Error	
DTC Extended Data Record Number - 2	5D	
Frequency Counter	1	
Ignition Cycle Counter	3	
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	18185892	seconds
Vehicle mileage at time of fault (ODO signal in $3D2)	1129.50	miles
Battery Lifetime Miles	6682D9	miles
System (12) Volts at time of fault	12.757	Volts
Vehicle Speed	42.0	MPH
Battery Lifetime AmpHrs of Charge	899.0	AHr
SOC at time of Fault	27.8	%
Battery Lifetime AmpHrs of DisCharge	898.9	AHr
Power Up SOC at time of Fault	26.7	%

HVIL PWM Frequency - Vehicle	87.9	Hz
HVIL PWM Duty Cycle - Vehicle	50.2	%
HVIL PWM peak voltage Sourced - Vehicle	11.593	Volts
HVIL PWM peak voltage Sensed - Vehicle	11.497	Volts
HVIL Source Voltage- Battery	1.392	Volts
HVIL Returned current - Battery	30.60	mA
HV Battery Current Sensor 1 Hall High	-1.05	Amps
HV Battery Current Sensor 2 Hall Low	0.00	Amps
HV Battery Current HVBatCrnt	0.00	Amps
Charge indicator Temp	90	°F
HV Cooling Speed pump 1 Speed	600	rpm
HV Cooling Speed Pump 1 Target	600	rpm
BPCM temperature max	131	°F
BPCM temperature min	126	°F
Isolation Circuitry Va	2.540	Volts
Isolation Circuitry Vb	2.503	Volts
Isolation Circuitry Vd	0.000	Volts
WC and Circuitry 2.5V Reference Voltage	2.502	Volts
WC and Circuitry Vcc Voltage	5.019	Volts
WC and CircuitryISO 8V Reference Voltage	7.995	Volts
WC and Circuitry Weld Contactor Sensor G (Pack Negative) Voltage	-0.6	Volts
Cycles left to self heal	40	No Unit
HV Battery Charge Power 2sec	3000	watts
HV Battery Charge Power 10sec	3000	watts
HV Battery Discharge Power 2sec	3000	watts
HV Battery Discharge Power 10sec	3000	watts
HV Battery Power	007530	watts
Battery Lifetime Number Of Closes	454	
Cell Impedance Max Discharge	0	mOhms
Battery Full AmpHr Capacity	49	AmpHrs
Cell Impedance Mim Discharge	0	mOhms
Battery Cell Voltage Maximum	3593	mV
Battery Cell Voltage Minimum	3585	mV
Battery Cell Voltage Average	3589	mV
HV Battery Voltage (cell sum)	344.60	Volts
HV Battery Voltage (Module Sum)	344.30	Volts
HV Sensor B Bus\Link (Pre-Fuse) Voltage	344.80	Volts
HV Sensor C OBCM (HVOBC Fuse) Voltage	344.70	Volts
HV Sensor A Pack Voltage	344.80	Volts
HV Sensor G Weld Contactor(Pack Negative) Voltage	-0.6	Volts
HV Sensor D Heater (HVHTR Fuse) Voltage	344.80	Volts
Battery Temperature Maximum Module	131	°F
Battery Temperature Minimum Module	126	°F
Battery Temperature Average Module	129	°F

HV Cooling Battery coolant inlet temp	144	°F
HV Cooling Battery coolant outlet temp	145	°F
HV Cooling OBCM temp inlet Temp	102	°F
Isolation Battery Impedance	4.7003	Mega Ohms
Isolation Vehicle Impedance	5.3605	Mega Ohms
HV Bat SOH-C	94.1	%
HV Bat SOH-R	97.6	%
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
Accelerator position	34.5	%
Real time clock	429496.7295	seconds
Real time clock-OS Task Delay Timer	0	
Original Odometer Value	1123	miles
Most Recent Odometer Value	1123	miles

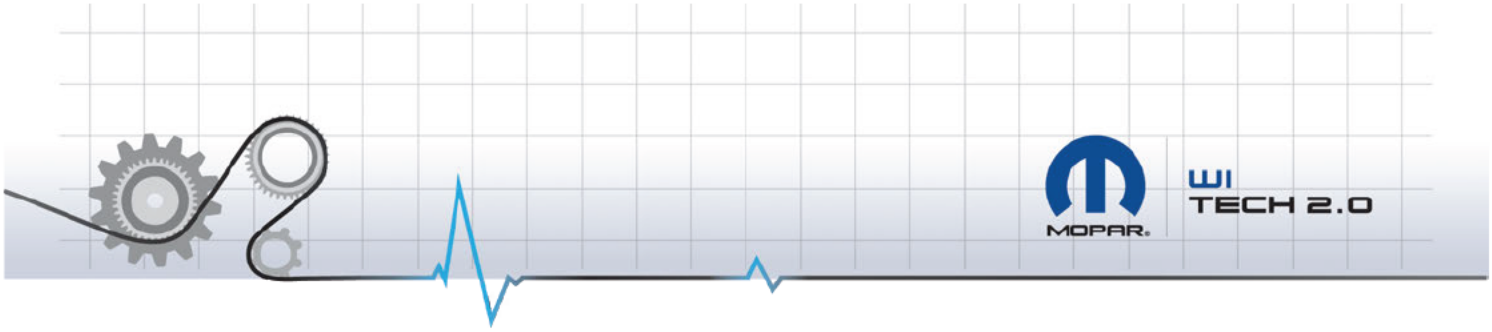
DSM | B156D-00 | Stored | Low Voltage Differential Signal (LVDS) Video Cable-

NAME	VALUE	UNITS
DTC	95 6D 00	
Test Failed	False	
Confirmed DTC	True	
Test Failed This Operation Cycle	False	
Test Not Completed Since Last Clear	False	
Pending DTC	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
DTC Extended Data Record Number - All	01	
Warning Indicator Requested	False	
Occurrence flag	Occurrence	
Ignition Cycle Counter	2	
Frequency Counter	1	
Most Recent Odometer Value	1193	miles
Original Odometer Value	1193	miles

VRM | B15AE-00 | Stored | Lost Low Voltage Differential Signal (LVDS) Connection with Media Port 2-

NAME	VALUE	UNITS
DTC	95 AE 00	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Test Failed	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	
Test Not Completed Since Last Clear	False	
Ignition Cycle Counter	67	
Original Odometer Value	944	miles
Most Recent Odometer Value	944	miles
Frequency Counter	1	



VEHICLE SCAN REPORT

Vehicle 2021 CHRYSLER PACIFICA (PHEV) 3.6L V6 HYBRID ENGINE
VIN 2C4RC1S7[redacted]

Odometer 1195.1 miles
Publication Date Jun 25, 2021, 1:18:43 PM

ECU SUMMARY INFO

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

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

ECU SUMMARY INFO (CONT...)

ECU	COUNTRY CODE	HARDWARE VERSION	SOFTWARE VERSION	IDENT	CVNS
PCM	USA	1B 47	75 01 01	4422	F2DB13B9
PLGM	USA	0	5270	000200000031	
ICS	USA	0F 0C 00	13 31 01	4700	
RFH	USA / USA	10 17 00	13 26 00	4A00	
ESM	USA / USA	0F 24 00	12 28 FF	4402	
ORC	USA / USA	12 1A 00	13 2E 00	4301	

EPS	USA / USA	12 2A 00	12 1E 01	4502	
HVAC	USA	0E 09 00	14 2F 01	4401	
DDM	USA	11 07 00	14 07 00	4202	
PDM	USA	11 07 00	14 07 00	4202	
DMRL	USA / USA	10 0B 00	14 08 00	4201	
DMRR	USA / USA	10 0B 00	14 08 00	4201	
PSDML	USA / USA	10 17 00	14 10 12	4001	
PSDMR	USA / USA	10 17 00	14 10 12	4001	
MSM	USA	0F 2B 00	10 27 03	4101	
CSWM	USA	11 2A 00	14 25 00	4302	
AMP	USA	18 2E 01	13 15 00	4030	
IPC	USA / USA	12 06 00	14 2B 00	4705	
PTS	USA	0E 32 00	14 07 00	4311	
SCCM	USA	13 28 00	13 29 00	4301	
BCM	USA	0D 11 00	14 26 90	4420	
ACC	USA / USA	14 12 01	14 26 01	4400	
RADIO		65	5175	000200000008	
OCM	USA / USA	11 1F 01	0E 2F 02	4030	
HVACR	USA	0E 09 00	10 03 02	4301	
LBSS	USA / USA	11 30 02	12 0D 00	4202	
RBSS	USA / USA	11 30 02	12 0D 00	4202	
FFCM	USA / USA	11 06 00	13 1E 00	4102	
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	879F1587 D754327D 050DC953
OBCM	USA	0F 0D 00	12 02 00	4002	
MSMP	USA	0F 2B 00	10 27 03	4001	
DSM	USA / USA	14 0C 00	14 28 00	4300	
VRM	USA / USA	0F 1C 00	14 1E 14	4001	
RCCC	USA	0F 1D 00	13 04 00	4000	
EAC	USA	0E 34 00	12 0F 00	4102	
AHCP	USA	11 1F 04	0F 2D 00	4000	
EBBM	USA	0E 19 02	14 0D 18	4000	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
ACC	C2225-00	PCM Disabled ECU-	Stored
BPCM	P1A9E-00	Hybrid/EV Battery Temperature Sensor 2 Out of Range Low-	Stored
BPCM	P1AA6-00	Hybrid/EV Battery Temperature Sensor 4 Out of Range Low-	Stored

BPCM	P1AAE-00	Hybrid/EV Battery Temperature Sensor 6 Out of Range Low-	Stored
BPCM	P1AAA-00	Hybrid/EV Battery Temperature Sensor 5 Out of Range Low-	Stored
BPCM	P1AA2-00	Hybrid/EV Battery Temperature Sensor 3 Out of Range Low-	Stored
BPCM	P1A21-00	HV Battery Contactor Control Sequence Incorrect-	Stored
DSM	B156D-00	Low Voltage Differential Signal (LVDS) Video Cable-	Stored
VRM	B15AE-00	Lost Low Voltage Differential Signal (LVDS) Connection with Media Port 2-	Stored

ENVIRONMENTAL DATA SUMMARY

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

NAME	VALUE	UNITS
Test Failed This Operation Cycle	False	
Test Failed	False	
Test Not Completed Since Last Clear	False	
Pending DTC	False	
Confirmed DTC	True	
Warning Indicator Requested	False	
Occurrence flag	Error	
Test Not Completed This Operation Cycle	False	
Test Failed Since Last Clear	True	
PRNDL Status	D range	
Original Odometer Value	1133	miles
Object of Interest Distance	830	FEET
Frequency Counter	1	
Engine Torque Request	SNA	Ft-Lbs
ACC Set Speed	0	MPH
Operation Cycle Counter	4	
System Voltage	14.1	Volts
Most Recent Odometer Value	1133	miles
Ignition Voltage	14.0	
Engine RPM	1376	rpm
Vehicle Speed	13	MPH

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

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	
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	93	
Battery Cell Lowest Cell number	68	
Battery Temperature Highest Sensor number	04	
Battery Temperature Lowest Sensor number	12	
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 Sec HW Timer Status	Not Active	
BPCM L2 ASIC Diagnostic Flt Rsn	ADCTest	
BPCM Sec Contactor State	Close	
BPCM Sec Asic Fault State	NOTASSERTED	
BPCM Main HW Timer Status	Not Active	
Real Time Clock Validity	True	
DTC	1A 9E 00	
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	

Warning Indicator Requested	False	
DTC Extended Data Record Number - All	01	
Occurrence flag	Error	
DTC Extended Data Record Number - 2	62	
Frequency Counter	5	
Ignition Cycle Counter	1	
FoM - for this DTC (lifetime fails)	1	events
FoM - for this DTC (lifetime fails counts on pass)	4.0800	seconds
FoM - for this DTC (lifetime longest fail on pass)	0.880	seconds
Battery Total Time Awake	18185864	seconds
Vehicle mileage at time of fault (ODO signal in $3D2)	1129.03	miles
Battery Lifetime Miles	6682D7	miles
Vehicle Speed	58.0	MPH
Battery Lifetime AmpHrs of Charge	899.0	AHr
System (12) Volts at time of fault	14.083	Volts
Battery Lifetime AmpHrs of DisCharge	898.9	AHr
SOC at time of Fault	27.8	%
Power Up SOC at time of Fault	26.7	%
HVIL PWM Duty Cycle - Vehicle	50.2	%
HVIL PWM Frequency - Vehicle	87.9	Hz
HVIL PWM peak voltage Sensed - Vehicle	12.794	Volts
HVIL PWM peak voltage Sourced - Vehicle	12.850	Volts
HVIL Source Voltage- Battery	1.392	Volts
HVIL Returned current - Battery	30.60	mA
HV Battery Current Sensor 1 Hall High	-1.25	Amps
HV Battery Current Sensor 2 Hall Low	-0.25	Amps
HV Battery Current HVBatCrnt	-0.85	Amps
HV Cooling Speed Pump 1 Target	600	rpm
HV Cooling Speed pump 1 Speed	600	rpm
Charge indicator Temp	90	°F
BPCM temperature max	131	°F
BPCM temperature min	126	°F
Isolation Circuitry Va	2.501	Volts
Isolation Circuitry Vb	2.503	Volts
Isolation Circuitry Vd	0.000	Volts
WC and Circuitry 2.5V Reference Voltage	2.502	Volts
WC and CircuitryISO 8V Reference Voltage	7.995	Volts
WC and Circuitry Vcc Voltage	5.026	Volts
WC and Circuitry Weld Contactor Sensor G (Pack Negative) Voltage	-0.6	Volts
Cycles left to self heal	40	No Unit
HV Battery Charge Power 2sec	3000	watts
HV Battery Charge Power 10sec	300	watts
HV Battery Discharge Power 2sec	3000	watts
HV Battery Discharge Power 10sec	300	watts

HV Battery Power	007511	watts
Battery Lifetime Number Of Closes	454	
Cell Impedance Max Discharge	0	mOhms
Battery Full AmpHr Capacity	49	AmpHrs
Cell Impedance Mim Discharge	0	mOhms
Battery Cell Voltage Maximum	3595	mV
Battery Cell Voltage Minimum	3575	mV
HV Battery Voltage (cell sum)	344.00	Volts
Battery Cell Voltage Average	3583	mV
HV Battery Voltage (Module Sum)	344.10	Volts
HV Sensor B Bus\Link (Pre-Fuse) Voltage	344.50	Volts
HV Sensor C OBCM (HVOBC Fuse) Voltage	344.40	Volts
HV Sensor A Pack Voltage	344.50	Volts
Battery Temperature Maximum Module	131	°F
HV Sensor D Heater (HVHTR Fuse) Voltage	344.50	Volts
HV Sensor G Weld Contactor(Pack Negative) Voltage	-0.6	Volts
Battery Temperature Minimum Module	126	°F
Battery Temperature Average Module	129	°F
HV Cooling Battery coolant inlet temp	144	°F
HV Cooling Battery coolant outlet temp	145	°F
HV Cooling OBCM temp inlet Temp	106	°F
Isolation Vehicle Impedance	5.3485	Mega Ohms
Isolation Battery Impedance	4.7003	Mega Ohms
HV Bat SOH-R	97.6	%
HV Bat SOH-C	94.1	%
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	6150	rpm
Accelerator position	7.8	%
Real time clock	429496.7295	seconds
Real time clock-OS Task Delay Timer	0	
Original Odometer Value	1123	miles
Most Recent Odometer Value	1133	miles

BPCM | P1AA6-00 | Stored | Hybrid/EV Battery Temperature Sensor 4 Out of Range Low-

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	

Plug in Status	Not plugged in	
Balance Mode	False	
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	
HVIL Status - Battery pack	PASS	
HVIL Status -Vehicle	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	80	
Battery Cell Lowest Cell number	68	
Battery Temperature Highest Sensor number	08	
Battery Temperature Lowest Sensor number	12	
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	1A A6 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	
DTC Extended Data Record Number - All	01	
Warning Indicator Requested	False	
Occurrence flag	Error	
DTC Extended Data Record Number - 2	66	
Frequency Counter	3	
Ignition Cycle Counter	1	
FoM - for this DTC (lifetime fails)	1	events
FoM - for this DTC (lifetime fails counts on pass)	2.8000	seconds
Battery Total Time Awake	18181368	seconds
FoM - for this DTC (lifetime longest fail on pass)	1.040	seconds
Battery Lifetime Miles	6682B6	miles
Vehicle mileage at time of fault (ODO signal in $3D2)	1124.06	miles
Vehicle Speed	19.0	MPH
Battery Lifetime AmpHrs of Charge	897.7	AHr
Battery Lifetime AmpHrs of DisCharge	897.8	AHr
SOC at time of Fault	26.7	%
System (12) Volts at time of fault	14.135	Volts
Power Up SOC at time of Fault	90.2	%
HVIL PWM Duty Cycle - Vehicle	50.2	%
HVIL PWM Frequency - Vehicle	88.0	Hz
HVIL Source Voltage- Battery	1.392	Volts
HVIL PWM peak voltage Sourced - Vehicle	13.027	Volts
HVIL PWM peak voltage Sensed - Vehicle	12.941	Volts
HVIL Returned current - Battery	30.60	mA
HV Battery Current Sensor 1 Hall High	7.25	Amps
HV Battery Current Sensor 2 Hall Low	7.80	Amps
HV Battery Current HVBatCrnt	9.35	Amps
HV Cooling Speed Pump 1 Target	600	rpm
Charge indicator Temp	86	°F
BPCM temperature max	131	°F
BPCM temperature min	127	°F
HV Cooling Speed pump 1 Speed	600	rpm
Isolation Circuitry Va	2.565	Volts
Isolation Circuitry Vb	2.503	Volts
Isolation Circuitry Vd	0.000	Volts
WC and Circuitry Vcc Voltage	5.026	Volts
WC and Circuitry 2.5V Reference Voltage	2.502	Volts
WC and CircuitryISO 8V Reference Voltage	7.995	Volts
WC and Circuitry Weld Contactor Sensor G (Pack Negative) Voltage	-0.6	Volts
Cycles left to self heal	40	No Unit
HV Battery Charge Power 2sec	3000	watts
HV Battery Charge Power 10sec	300	watts

HV Battery Discharge Power 2sec	3000	watts
HV Battery Power	007672	watts
HV Battery Discharge Power 10sec	300	watts
Battery Lifetime Number Of Closes	442	
Battery Full AmpHr Capacity	49	AmpHrs
Cell Impedance Mim Discharge	0	mOhms
Cell Impedance Max Discharge	0	mOhms
Battery Cell Voltage Maximum	3595	mV
Battery Cell Voltage Minimum	3586	mV
Battery Cell Voltage Average	3591	mV
HV Battery Voltage (cell sum)	344.70	Volts
HV Battery Voltage (Module Sum)	343.90	Volts
HV Sensor A Pack Voltage	343.90	Volts
HV Sensor B Bus\Link (Pre-Fuse) Voltage	343.90	Volts
HV Sensor C OBCM (HVOBC Fuse) Voltage	343.80	Volts
HV Sensor G Weld Contactor(Pack Negative) Voltage	-0.6	Volts
HV Sensor D Heater (HVHTR Fuse) Voltage	343.90	Volts
Battery Temperature Maximum Module	131	°F
Battery Temperature Minimum Module	127	°F
Battery Temperature Average Module	129	°F
HV Cooling Battery coolant inlet temp	151	°F
HV Cooling Battery coolant outlet temp	151	°F
HV Cooling OBCM temp inlet Temp	120	°F
Isolation Vehicle Impedance	4.6712	Mega Ohms
Isolation Battery Impedance	0.8480	Mega Ohms
HV Bat SOH-R	88.2	%
HV Bat SOH-C	94.5	%
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	1230	rpm
Accelerator position	25.5	%
Real time clock	429496.7295	seconds
Real time clock-OS Task Delay Timer	0	
Most Recent Odometer Value	1133	miles
Original Odometer Value	1123	miles

BPCM | P1AAE-00 | Stored | Hybrid/EV Battery Temperature Sensor 6 Out of Range Low-

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	
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	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	87	
Battery Cell Lowest Cell number	67	
Battery Temperature Highest Sensor number	08	
Battery Temperature Lowest Sensor number	12	
Battery Temperature Number of Failing Sensors	00	
HV Cooling Pump Relay Drive	Not Sourced	
Pump - Battery Coolant Level Low	False	
Isolation Battery Diagnostic Status	Run and Passed	
Isolation Vehicle 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	1A AE 00	
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	False	

Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number - All	01	
Occurrence flag	Error	
DTC Extended Data Record Number - 2	6A	
Frequency Counter	2	
FoM - for this DTC (lifetime fails)	1	events
FoM - for this DTC (lifetime fails counts on pass)	1.6000	seconds
Ignition Cycle Counter	1	
FoM - for this DTC (lifetime longest fail on pass)	0.480	seconds
Battery Total Time Awake	18181400	seconds
Vehicle mileage at time of fault (ODO signal in $3D2)	1124.06	miles
Battery Lifetime Miles	6682B6	miles
Vehicle Speed	0.0	MPH
Battery Lifetime AmpHrs of Charge	897.7	AHr
System (12) Volts at time of fault	12.325	Volts
Power Up SOC at time of Fault	90.2	%
SOC at time of Fault	26.7	%
Battery Lifetime AmpHrs of DisCharge	897.8	AHr
HVIL PWM Duty Cycle - Vehicle	50.2	%
HVIL PWM Frequency - Vehicle	87.9	Hz
HVIL PWM peak voltage Sourced - Vehicle	11.173	Volts
HVIL PWM peak voltage Sensed - Vehicle	11.065	Volts
HVIL Source Voltage- Battery	1.392	Volts
HVIL Returned current - Battery	30.60	mA
HV Battery Current Sensor 1 Hall High	-0.60	Amps
HV Battery Current HVBatCrnt	0.00	Amps
HV Battery Current Sensor 2 Hall Low	0.00	Amps
HV Cooling Speed Pump 1 Target	400	rpm
HV Cooling Speed pump 1 Speed	400	rpm
Charge indicator Temp	86	°F
BPCM temperature min	127	°F
BPCM temperature max	131	°F
Isolation Circuitry Vb	2.503	Volts
Isolation Circuitry Va	2.501	Volts
Isolation Circuitry Vd	0.000	Volts
WC and Circuitry 2.5V Reference Voltage	2.502	Volts
WC and Circuitry Vcc Voltage	5.017	Volts
WC and Circuitry Weld Contactor Sensor G (Pack Negative) Voltage	-0.6	Volts
WC and CircuitryISO 8V Reference Voltage	7.995	Volts
Cycles left to self heal	40	No Unit

HV Battery Charge Power 2sec	3000	watts
HV Battery Charge Power 10sec	3000	watts
HV Battery Discharge Power 2sec	3000	watts
HV Battery Discharge Power 10sec	3000	watts
HV Battery Power	007530	watts
Battery Lifetime Number Of Closes	442	
Battery Full AmpHr Capacity	49	AmpHrs
Cell Impedance Max Discharge	0	mOhms
Cell Impedance Mim Discharge	0	mOhms
Battery Cell Voltage Maximum	3590	mV
Battery Cell Voltage Average	3585	mV
Battery Cell Voltage Minimum	3581	mV
HV Battery Voltage (cell sum)	344.20	Volts
HV Battery Voltage (Module Sum)	343.90	Volts
HV Sensor B Bus\Link (Pre-Fuse) Voltage	344.40	Volts
HV Sensor A Pack Voltage	344.40	Volts
HV Sensor D Heater (HVHTR Fuse) Voltage	344.40	Volts
HV Sensor G Weld Contactor(Pack Negative) Voltage	-0.6	Volts
Battery Temperature Maximum Module	131	°F
HV Sensor C OBCM (HVOBC Fuse) Voltage	344.30	Volts
Battery Temperature Minimum Module	127	°F
Battery Temperature Average Module	129	°F
HV Cooling Battery coolant outlet temp	151	°F
HV Cooling OBCM temp inlet Temp	122	°F
HV Cooling Battery coolant inlet temp	151	°F
Isolation Vehicle Impedance	4.7272	Mega Ohms
Isolation Battery Impedance	0.8480	Mega Ohms
HV Bat SOH-R	88.2	%
HV Bat SOH-C	94.5	%
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
Real time clock-OS Task Delay Timer	0	
Original Odometer Value	1123	miles
Most Recent Odometer Value	1123	miles

BPCM | P1AAA-00 | Stored | Hybrid/EV Battery Temperature Sensor 5 Out of Range Low-

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	87	
Battery Cell Lowest Cell number	67	
Battery Temperature Highest Sensor number	08	
Battery Temperature Lowest Sensor number	12	
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 Sec Asic Fault State	NOTASSERTED	
BPCM Main HW Timer Status	Not Active	
Real Time Clock Validity	True	
DTC	1A AA 00	
Test Failed	False	

Test Failed This Operation Cycle	False	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number - All	01	
Occurrence flag	Error	
DTC Extended Data Record Number - 2	68	
Frequency Counter	1	
Ignition Cycle Counter	1	
FoM - for this DTC (lifetime fails)	1	events
FoM - for this DTC (lifetime fails counts on pass)	5.0400	seconds
FoM - for this DTC (lifetime longest fail on pass)	2.400	seconds
Battery Total Time Awake	18185916	seconds
Vehicle mileage at time of fault (ODO signal in $3D2)	1129.50	miles
Battery Lifetime Miles	6682D9	miles
System (12) Volts at time of fault	12.660	Volts
Battery Lifetime AmpHrs of Charge	899.0	AHr
SOC at time of Fault	27.8	%
Vehicle Speed	34.0	MPH
Power Up SOC at time of Fault	26.7	%
Battery Lifetime AmpHrs of DisCharge	898.9	AHr
HVIL PWM Duty Cycle - Vehicle	50.2	%
HVIL PWM Frequency - Vehicle	87.9	Hz
HVIL PWM peak voltage Sourced - Vehicle	11.426	Volts
HVIL PWM peak voltage Sensed - Vehicle	11.353	Volts
HVIL Source Voltage- Battery	1.392	Volts
HVIL Returned current - Battery	30.60	mA
HV Battery Current Sensor 1 Hall High	-0.40	Amps
HV Battery Current Sensor 2 Hall Low	0.00	Amps
HV Battery Current HVBatCrnt	0.00	Amps
HV Cooling Speed pump 1 Speed	1325	rpm
Charge indicator Temp	91	°F
HV Cooling Speed Pump 1 Target	1200	rpm
BPCM temperature max	131	°F
BPCM temperature min	126	°F
Isolation Circuitry Va	2.501	Volts
Isolation Circuitry Vb	2.503	Volts
Isolation Circuitry Vd	0.000	Volts
WC and Circuitry 2.5V Reference Voltage	2.502	Volts
WC and Circuitry Vcc Voltage	5.019	Volts
WC and Circuitry Weld Contactor Sensor G (Pack Negative) Voltage	-178.6	Volts

WC and CircuitryISO 8V Reference Voltage	7.995	Volts
Cycles left to self heal	40	No Unit
HV Battery Charge Power 2sec	3000	watts
HV Battery Charge Power 10sec	3000	watts
HV Battery Discharge Power 2sec	3000	watts
HV Battery Power	007530	watts
HV Battery Discharge Power 10sec	3000	watts
Battery Lifetime Number Of Closes	454	
Battery Full AmpHr Capacity	49	AmpHrs
Cell Impedance Mim Discharge	0	mOhms
Cell Impedance Max Discharge	0	mOhms
Battery Cell Voltage Maximum	3592	mV
Battery Cell Voltage Minimum	3584	mV
Battery Cell Voltage Average	3588	mV
HV Battery Voltage (cell sum)	344.40	Volts
HV Battery Voltage (Module Sum)	344.00	Volts
HV Sensor B Bus\Link (Pre-Fuse) Voltage	62.20	Volts
HV Sensor C OBCM (HVOBC Fuse) Voltage	62.00	Volts
HV Sensor A Pack Voltage	344.50	Volts
HV Sensor D Heater (HVHTR Fuse) Voltage	62.00	Volts
HV Sensor G Weld Contactor(Pack Negative) Voltage	-178.6	Volts
Battery Temperature Maximum Module	131	°F
Battery Temperature Minimum Module	126	°F
Battery Temperature Average Module	129	°F
HV Cooling Battery coolant inlet temp	144	°F
HV Cooling Battery coolant outlet temp	144	°F
HV Cooling OBCM temp inlet Temp	100	°F
Isolation Vehicle Impedance	5.3605	Mega Ohms
Isolation Battery Impedance	4.7003	Mega Ohms
HV Bat SOH-R	97.6	%
HV Bat SOH-C	94.1	%
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	34.9	%
Real time clock	429496.7295	seconds
Real time clock-OS Task Delay Timer	0	
Original Odometer Value	1123	miles
Most Recent Odometer Value	1123	miles

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

NAME	VALUE	UNITS
Key in Ignition	Key_Def	

Key Position	Ign_ Run	
EPT -WakeUp	Sourced	
HCP Contactor Command	Closed	
Qualified Contactor Command - QCC	Closed	
Contactor Status	Closed	
Verified Contactor Command - VCC	Closed Restricted	
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	85	
Battery Cell Lowest Cell number	78	
Battery Temperature Highest Sensor number	08	
Battery Temperature Lowest Sensor number	12	
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	1A A2 00	
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number - All	01	
Occurrence flag	Error	
DTC Extended Data Record Number - 2	64	
Frequency Counter	2	
Ignition Cycle Counter	1	
FoM - for this DTC (lifetime fails counts on pass)	3.0400	seconds
FoM - for this DTC (lifetime fails)	1	events
FoM - for this DTC (lifetime longest fail on pass)	0.640	seconds
Battery Total Time Awake	18181376	seconds
Vehicle mileage at time of fault (ODO signal in $3D2)	1124.06	miles
Vehicle Speed	18.0	MPH
Battery Lifetime Miles	6682B6	miles
System (12) Volts at time of fault	14.150	Volts
Battery Lifetime AmpHrs of DisCharge	897.8	AHr
Battery Lifetime AmpHrs of Charge	897.7	AHr
SOC at time of Fault	26.7	%
Power Up SOC at time of Fault	90.2	%
HVIL PWM Frequency - Vehicle	87.9	Hz
HVIL PWM Duty Cycle - Vehicle	50.2	%
HVIL PWM peak voltage Sourced - Vehicle	13.064	Volts
HVIL PWM peak voltage Sensed - Vehicle	12.982	Volts
HVIL Source Voltage- Battery	1.392	Volts
HVIL Returned current - Battery	30.60	mA
HV Battery Current Sensor 1 Hall High	-10.00	Amps
HV Battery Current Sensor 2 Hall Low	-8.85	Amps
HV Battery Current HVBatCrnt	-9.40	Amps
HV Cooling Speed Pump 1 Target	600	rpm
Charge indicator Temp	86	°F
HV Cooling Speed pump 1 Speed	600	rpm
BPCM temperature max	131	°F
Isolation Circuitry Va	2.501	Volts
BPCM temperature min	127	°F
Isolation Circuitry Vd	0.000	Volts
Isolation Circuitry Vb	2.416	Volts
WC and Circuitry 2.5V Reference Voltage	2.502	Volts

WC and Circuitry Vcc Voltage	5.029	Volts
WC and CircuitryISO 8V Reference Voltage	7.995	Volts
WC and Circuitry Weld Contactor Sensor G (Pack Negative) Voltage	-0.6	Volts
Cycles left to self heal	40	No Unit
HV Battery Charge Power 2sec	3000	watts
HV Battery Charge Power 10sec	3000	watts
HV Battery Discharge Power 2sec	3000	watts
HV Battery Discharge Power 10sec	3000	watts
Battery Lifetime Number Of Closes	442	
Battery Full AmpHr Capacity	49	AmpHrs
HV Battery Power	0073EB	watts
Cell Impedance Max Discharge	0	mOhms
Cell Impedance Mim Discharge	0	mOhms
Battery Cell Voltage Maximum	3594	mV
Battery Cell Voltage Minimum	3586	mV
Battery Cell Voltage Average	3590	mV
HV Battery Voltage (cell sum)	344.60	Volts
HV Battery Voltage (Module Sum)	344.30	Volts
HV Sensor B Bus\Link (Pre-Fuse) Voltage	344.80	Volts
HV Sensor C OBCM (HVOBC Fuse) Voltage	344.80	Volts
HV Sensor A Pack Voltage	344.90	Volts
HV Sensor D Heater (HVHTR Fuse) Voltage	344.90	Volts
HV Sensor G Weld Contactor(Pack Negative) Voltage	-0.6	Volts
Battery Temperature Maximum Module	131	°F
Battery Temperature Minimum Module	127	°F
Battery Temperature Average Module	129	°F
HV Cooling Battery coolant outlet temp	151	°F
HV Cooling Battery coolant inlet temp	151	°F
HV Cooling OBCM temp inlet Temp	120	°F
Isolation Vehicle Impedance	4.6712	Mega Ohms
Isolation Battery Impedance	0.8480	Mega Ohms
HV Bat SOH-C	94.5	%
HV Bat SOH-R	88.2	%
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	4830	rpm
Accelerator position	33.3	%
Real time clock	429496.7295	seconds
Real time clock-OS Task Delay Timer	0	
Original Odometer Value	1123	miles
Most Recent Odometer Value	1123	miles

BPCM | P1A21-00 | Stored | HV Battery Contactor Control Sequence Incorrect-

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	Open	
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 - Battery pack	PASS	
HVIL Status -Vehicle	PASS	
Pump - Dry Run Detection	PASS	
Pump - Wire Open\Short to Gnd	PASS	
Pump - Overcurrent	PASS	
Pump - Overtemperature	PASS	
Pump - Switch Power Shorted	PASS	
Fault trigger level 1	False	
Fault trigger level 3	False	
Fault Path	01	
Fault trigger level 2	False	
Key - DriveRdy (CAN)	True	
Battery Cell Highest Cell number	85	
Battery Cell Lowest Cell number	76	
Battery Temperature Highest Sensor number	08	
Battery Temperature Lowest Sensor number	12	
Battery Temperature Number of Failing Sensors	00	
HV Cooling Pump Relay Drive	Not Sourced	
Isolation Vehicle Diagnostic Status	Run and Passed	
Pump - Battery Coolant Level Low	False	
Isolation Battery Diagnostic Status	Run and Passed	
BPCM Sec Asic Reset Req	Not Active	
BPCM 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	1A 21 00	
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number - All	01	
Occurrence flag	Error	
DTC Extended Data Record Number - 2	5D	
Frequency Counter	1	
Ignition Cycle Counter	3	
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	18185892	seconds
Battery Lifetime Miles	6682D9	miles
Vehicle mileage at time of fault (ODO signal in $3D2)	1129.50	miles
Vehicle Speed	42.0	MPH
Battery Lifetime AmpHrs of Charge	899.0	AHr
Battery Lifetime AmpHrs of DisCharge	898.9	AHr
System (12) Volts at time of fault	12.757	Volts
SOC at time of Fault	27.8	%
Power Up SOC at time of Fault	26.7	%
HVIL PWM Duty Cycle - Vehicle	50.2	%
HVIL PWM peak voltage Sourced - Vehicle	11.593	Volts
HVIL PWM Frequency - Vehicle	87.9	Hz
HVIL PWM peak voltage Sensed - Vehicle	11.497	Volts
HVIL Returned current - Battery	30.60	mA
HVIL Source Voltage- Battery	1.392	Volts
HV Battery Current Sensor 1 Hall High	-1.05	Amps
HV Battery Current Sensor 2 Hall Low	0.00	Amps
HV Battery Current HVBatCrnt	0.00	Amps
HV Cooling Speed pump 1 Speed	600	rpm
HV Cooling Speed Pump 1 Target	600	rpm
Charge indicator Temp	90	°F
BPCM temperature max	131	°F
BPCM temperature min	126	°F
Isolation Circuitry Va	2.540	Volts
Isolation Circuitry Vb	2.503	Volts

Isolation Circuitry Vd	0.000	Volts
WC and Circuitry 2.5V Reference Voltage	2.502	Volts
WC and Circuitry Vcc Voltage	5.019	Volts
WC and CircuitryISO 8V Reference Voltage	7.995	Volts
Cycles left to self heal	40	No Unit
WC and Circuitry Weld Contactor Sensor G (Pack Negative) Voltage	-0.6	Volts
HV Battery Charge Power 2sec	3000	watts
HV Battery Charge Power 10sec	3000	watts
HV Battery Discharge Power 2sec	3000	watts
HV Battery Discharge Power 10sec	3000	watts
HV Battery Power	007530	watts
Battery Lifetime Number Of Closes	454	
Cell Impedance Max Discharge	0	mOhms
Battery Full AmpHr Capacity	49	AmpHrs
Cell Impedance Mim Discharge	0	mOhms
Battery Cell Voltage Maximum	3593	mV
Battery Cell Voltage Minimum	3585	mV
Battery Cell Voltage Average	3589	mV
HV Battery Voltage (cell sum)	344.60	Volts
HV Sensor B Bus\Link (Pre-Fuse) Voltage	344.80	Volts
HV Battery Voltage (Module Sum)	344.30	Volts
HV Sensor A Pack Voltage	344.80	Volts
HV Sensor C OBCM (HVOBC Fuse) Voltage	344.70	Volts
HV Sensor D Heater (HVHTR Fuse) Voltage	344.80	Volts
HV Sensor G Weld Contactor(Pack Negative) Voltage	-0.6	Volts
Battery Temperature Maximum Module	131	°F
Battery Temperature Average Module	129	°F
Battery Temperature Minimum Module	126	°F
HV Cooling Battery coolant inlet temp	144	°F
HV Cooling OBCM temp inlet Temp	102	°F
HV Cooling Battery coolant outlet temp	145	°F
Isolation Vehicle Impedance	5.3605	Mega Ohms
HV Bat SOH-R	97.6	%
Isolation Battery Impedance	4.7003	Mega Ohms
HV Bat SOH-C	94.1	%
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
Accelerator position	34.5	%
Real time clock	429496.7295	seconds
Real time clock-OS Task Delay Timer	0	
Original Odometer Value	1123	miles
Most Recent Odometer Value	1123	miles

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

NAME	VALUE	UNITS
DTC	95 6D 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	
DTC Extended Data Record Number - All	01	
Occurrence flag	Occurrence	
Warning Indicator Requested	False	
Frequency Counter	1	
Most Recent Odometer Value	1193	miles
Ignition Cycle Counter	2	
Original Odometer Value	1193	miles

VRM | B15AE-00 | Stored | Lost Low Voltage Differential Signal (LVDS) Connection with Media Port 2-

NAME	VALUE	UNITS
DTC	95 AE 00	
Test Failed Since Last Clear	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
Test Failed This Operation Cycle	False	
Test Failed	False	
Pending DTC	False	
Occurrence flag	Error	
DTC Extended Data Record Number - All	01	
Frequency Counter	1	
Ignition Cycle Counter	67	
Original Odometer Value	944	miles
Most Recent Odometer Value	944	miles

SNAPSHOT DATA SUMMARY

No Snapshot Data available for C2225-00

No Snapshot Data available for P1A9E-00

No Snapshot Data available for P1AA6-00

No Snapshot Data available for P1AAE-00

No Snapshot Data available for P1AAA-00

No Snapshot Data available for P1AA2-00

No Snapshot Data available for P1A21-00

No Snapshot Data available for B156D-00

No Snapshot Data available for B15AE-00