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CONFIGURATION REPORT

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

Odometer 3841.0 miles
Publication Date Aug 2, 2021, 11:30:55 AM

ECU SUMMARY INFO

ECU	NAME	BUS TYPE	FLASH PART #	PART #
PCM	Powertrain Control Module	CAN-C	68499122AD	68499122AD
PLGM	Power Liftgate	CAN-I	68466171AG	68466171AG
ICS	Integrated Center Stack	CAN-I	7AS341X8AA	7AS341X8AA
RFH	Radio Frequency Hub	CAN-C	68500152AA	68500152AA
ESM	Electronic Shifter	CAN-C	68240089AN	68240089AN
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	68496463AB	68496463AB
PDM	Passenger Door Module	CAN-I	68496462AB	68496462AB
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	68517011AB	68517011AB
AMP	Amplifier	CAN-I	68476878AA	68476878AA
IPC	Instrument Panel Cluster	CAN-C	68434960AE	68434960AE
PTS	Parktronics	CAN-C	68485862AA	68485862AA
SCCM	Steering Column Control Module	CAN-C	68531525AA	68531525AA
BCM	Body Controller	CAN-C	68491085AG	68491085AG

Pa					
ACC	Adaptive Cruise Control	CAN-C	68540436AA		68540436AA
RADIO	Radio	CAN-I	68465292AE		68465292AE
OCM	Occupant Classification	CAN-C	68403127AA		68403127AA
HVACR	Heat, Ventilation and A/C Rear	CAN-I	68373079AB		68373079AB
LBSS	Left Blind Spot Sensor	CAN-I	04672786AB		04672786AB
RBSS	Right Blind Spot Sensor	CAN-I	04672786AB		04672786AB
FFCM	Forward Facing Camera Module	CAN-C	68493395AA		68493395AA
APM	Accessory Power Module	CAN-C	05185046AB		05185046AB
BPCM	Battery Pack Control Module	CAN-C	05193183AE		05193183AE
HCP	Hybrid Control Processor	CAN-C	05185116AH		05185116AH
OBCM	On Board Charging Module	CAN-C	05185047AE		05185047AE
MSMP	Memory Seat Module - Passenger	CAN-I	68321862AC		68321862AC
DSM	Display Screen Module	CAN-I	68438382AD		68438382AD
RCCC	Rear Cabin Comfort Controls	CAN-I	6WL30PD2AA		6WL30PD2AA
CVPM	Central vision processing module	CAN-I	56029920AB		56029920AB
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 00 01	4422	
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	13 02 00	14 23 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 2A 01	14 26 01	4400	
RADIO		65	5671	000200000008	
OCM	USA / USA	11 1F 01	0E 2F 02	4030	
HVACR	USA	0E 09 00	10 03 02	4301	
LBSS	USA / USA	11 30 02	12 0D 00	4202	
RBSS	USA / USA	11 30 02	12 0D 00	4202	
FFCM	USA / USA	11 06 00	13 1E 00	4102	
APM	USA / USA	11 32 00	11 32 00	4001	
BPCM	Not programmed / COUNTRY_SNA	0E 03 00	14 2C 00	4005	79855957
HCP	USA	11 1F 04	0F 2D 00	4006	879F1587 D754327D 050DC953
OBCM	USA	0F 0D 00	12 02 00	4002	
MSMP	USA	0F 2B 00	10 27 03	4001	
DSM	USA / USA	14 0C 00	14 28 00	4300	
RCCC	USA	0F 1D 00	13 04 00	4000	
CVPM	USA / USA	11 27 01	14 0C 01	4004	
EAC	USA	0E 34 00	12 0F 00	4102	
AHCP	USA	11 1F 04	0F 2D 00	4000	
EBBM	USA	0E 19 02	14 0D 18	4000	E5898FA5
ABSO	USA	0E 15 02	14 1B 26	4201	4F158D1B
SGW		5	969	4103	
TBM2	USA	13 0E 02	14 2A 5C	4104	

CONFIGURATION

PCM CONFIGURATION

NAME	VALUE	UNITS
Secondary Mass Airflow Sensor Equipped	—	
Active Exhaust Pressure Sensor Equipped	—	
Active Exhaust Valve(s) Equipped	—	
Electronic Parking Brake Equipped	—	

Heater Temp Control Valve Equipped	—	
Wastegate HBridge Equipped	—	
Aux Coolant Pump Heater Equipped	—	
Mechanical Coolant Pump Equipped	—	
High Side Port Tumble Valve Equipped	—	
Direct Injection Equipped	—	
Brake Pedal Sensor Equipped	—	
Active Engine Mount Equipped	—	
SRV Equipped	—	
Clutch Interlock Switch Equipped	—	
Mechanical Coolant Pump Heater Equipped	—	
2.0 Liter W14 engine	—	
Transmission Software Included	—	
Sensorless FFV Enabled	—	
TIP Equipped	—	
5.7 Liter V8 Engine	—	
62TE	—	
Adaptive Cruise Control Hardware Equipped	—	
MDS Equipped	—	
Electric Thermostat Heater Equipped	—	
Rear Heater Equipped	—	
Unleaded Gasoline Fuel	—	
Knock Sensor 2 Equipped	—	
ETC Cruise equipped	—	
3.8 Liter V6 Engine	—	
ZF 9-Speed Transmission Equipped	—	
AC Equipped Over Bus	—	
VLP Is Learnable Indicator	—	
Power Steering Switch Equipped	—	
Primary Lin Alternator Equipped	—	
Tumble Generator Valve Equipped	—	
Fiat 940 Compact Equipped	—	
CUSW PROXI Write Programming Support Enabled	—	
Engine Software In Package	—	
Dual Fuel Pressure Sensor Equipped	—	
Wide Range O2 Sensor 1/1 Equipped	—	
66RFE / 68RFE	—	
A/C Equipped	—	
4 Speed Automatic Transmission Equipped	—	
Electronic Throttle Control Equipped	—	
O2 Sensor Bank 2 Sensor 2 Equipped	—	
Secondary Air Equipped	—	
High Side Port Tumble Valve Equipped	—	
Shift Indicator Lamp Equipped	—	

3.3 Liter V6 Engine	—	
4.0 Liter I6 Engine	—	
Turbocharger Equipped	—	
45RFE / 545RFE / 65RFE	—	
3 Speed Fan Mechanical Relay System Equipped	—	
GPEC3 Equipped	—	
O2 Sensor Bank 2 Sensor 1 Equipped	—	
Constant Heater Temperature Control Valve Equipped	—	
Air Shutoff Valve Bank 1 Control Solenoid 2 Equipped	—	
Secondary Fuel Pump Equipped	—	
Aisin 6-Speed RWD Transmission Equipped	—	
Fixed displacement AC Equipped	—	
Air Shutoff Valve Bank 2 Control Solenoid 2 Equipped	—	
PTO System Equipped	—	
VMM Equipped	—	
O2 Sensor Bank 1 Sensor 2 Equipped	—	
Viscosity Sensor Equipped	—	
Transmission Oil Heater Equipped	—	
Electronic Vacuum Pump Equipped	—	
MultiAir Equipped	—	
6.2 Liter V8 Engine	—	
Auxiliary Coolant Pump Equipped	—	
Police Package Equipped	—	
Linear Purge Equipped	—	
DUAL_ALTERNATOR_GEN1_LEARNEDCOPY	—	
2.7 Liter V6 Engine	—	
Oil Pressure Sensor Enabled	—	
Exhaust Cam 1 Equipped	—	
MTV Solenoid Equipped	—	
GPEC4 Equipped	—	
Active Exhaust Valve Equipped	—	
WI4 Variable Valve Timing Equipped	—	
Exhaust Cam 2 Equipped	—	
Supercharger Equipped	—	
Adaptive Cruise Control Equipped	—	
Continuous Variable Transmission Equipped	—	
Powernet Equipped	—	
Low Temperature Radiator Coolant Pump Equipped	—	
TOOLCONFIG_OIL_PRESS_ABS_EQUIPPED	—	
3.7 Liter V6 Engine	—	
Port Flap Valve Equipped	—	
O2 Sensor Bank 1 Sensor 1 Equipped	—	
WI4 Intake Flow Control Valve Equipped	—	
GPEC2A Equipped	—	

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

Turbine Volute Valve Actuator Equipped	—	
Vehicle Speed Sensor #1 Calculated from CAN	—	
Linear PWM Fan Relay System Equipped	—	
Knock Sensor 1 Equipped	—	
Humidity, Temperature and Pressure Sensor (LIN) Equipped	—	
VLP Equipped Indicator	—	
VFS Actuators Available Indicator	—	
Engine Stop Start Equipped	—	
1.0 Liter I3 Engine	—	
Variable Speed Fuel Pump Equipped	—	
Compressed Natural Gas Equipped	—	
ICC Cruise Equipped	—	
Coolant On-Off Pump Equipped	—	
3.6 Liter V6 Engine	—	
Unleaded diesel fuel	—	
2 Speed Fan 3 Driver 3 Relay System Equipped	—	
ESIM Equipped	—	
Variable Displacement AC Equipped	—	
4.7 Liter V8 Engine	—	
PWM Fan Motor System Equipped	—	
ERS Equipped Indicator	—	
Fiat VIN Learning Strategy Equipped	—	
Inrush Current Reduction Relay Equipped	—	
Intake Cam 1 Equipped	—	
2 Speed Fan Mechanical Relay System Equipped	—	
6.4 Liter V8 Engine	—	
6.1 Liter V8 Engine	—	
2.4 Liter W14 engine	—	
Trans Reverse Lockout Equipped	—	
CUSW (11-Bit) Equipped	—	
Auxiliary Coolant Pump Heater Equipped	—	
Electric Water Pump Equipped	—	
3.5 Liter V6 Engine	—	
Hybrid Electric Vehicle Equipped	—	
2 Speed Fan PWM Relay System Equipped	—	
Wastegate H-Bridge Equipped	—	
1.8 Liter W14 engine	—	
Operator Idle Speed Request Equipped	—	
Cylinder Pressure Sensor Equipped	—	
Throttle Inlet Temp Sensor Equipped	—	
Mass Airflow System Equipped	—	
Clutch Sensor Equipped	—	
Dual Fuel Pressure Sensor Equipped	—	
Make Up Air Sensor Equipped	—	

Bi-Directional Crank Sensor Equipped	—	
CUSW 4-Button Cruise Equipped	—	
SWAP HARDWIRED BRAKE SWITCH INPUTS	—	
5 Button Cruise (LIN) Equipped	—	
Power Steering Angle Sensor Mandatory	—	
LIN Humidity, Temp, and Pressure Sensor Equipped	—	
INTAKE O2 SENSOR EQUIPPED	—	
Brake Pedal Sensor Equipped	—	
Coolant On-Off Pump Equipped	—	
Primary Lin Alternator Equipped	—	
Variable Valve Lift Equipped	—	
2.0 Liter I4 Direct Injection Engine	—	
1.0 Liter I3 Engine	—	
Remote Start Present	—	
Low Temp Radiator Coolant Pump Equipped	—	
Engine Idle Shutoff Equipped	—	
ZF 9-Speed Trans Equipped	—	
A/C Relay Powered from Engine Switched Battery	—	
PTO System Equipped	—	
HPT 6-Speed Trans Equipped	—	
Hybrid MEC Shifter Equipped	—	
CNG Large Gas Tank Equipped	—	
Dual Alternator Gen1 Capable	—	
Dual Fuel Tank Equipped	—	
Cooled EGR Equipped	—	
Auxillary Coolant Pump Equipped	—	
Supercharger Equipped	—	
Engine Oil Pressure Sensor Type	—	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	No	
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 NOT 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	False	
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	—	
Driver Seat Track Position Sensor	—	
Second Row Left Seat Side Airbag	—	
Rollover Sensing	—	
Passenger Seatbelt Retractor Pretensioner	—	
Passenger Seatbelt Anchor Pretensioner	—	
Driver Seatbelt Anchor Pretensioner	—	
Left Side Seat Squib 1	—	
Driver Frontal Squib 3	—	
Passenger Seatbelt Load Limiter	—	
Passenger Occupant Detection Sensor	—	
Passenger Seatbelt Buckle Pretensioner	—	
Second Row Left seat belt Switch	—	
Left B-Pillar Impact Acceleration Sensor	—	
Right Up-Front Acceleration Sensor	—	
Configuration Column Identifier	—	
Passenger Airbag Disable Indicator	—	
Passenger Frontal Squib 1	—	
Driver Frontal Squib 1	—	
Passenger Frontal Squib 3	—	
Right Side Seat Squib 1	—	

Second Row Right seat belt Switch	—	
Left Up-Front Acceleration Sensor	—	
Right Curtain Squib 1	—	
Left C-Pillar Impact Acceleration Sensor	—	
Passenger Seat Track Position Sensor	—	
Driver Knee Bolster Squib	—	
Occupant Classification (OCM)	—	
Passenger Frontal Squib 2	—	
Driver Frontal Squib 4	—	
Second Row Center seat belt Switch	—	
Left Curtain Squib 1	—	
Right Side Door Pressure Sensor	—	
First Row Passenger Seatbelt Buckle Switch	—	
Right B-Pillar Impact Acceleration Sensor	—	
Left D-Pillar Impact Acceleration Sensor	—	
Right D-Pillar Impact Acceleration Sensor	—	
Right C-Pillar Impact Acceleration Sensor	—	
Driver Seatbelt Load Limiter	—	
Driver Seatbelt Retractor Pretensioner	—	
Second Row Right Seat Side Airbag	—	
Passenger Frontal Squib 4	—	
Passenger Airbag Disable Switch	—	
Passenger Knee Bolster Squib	—	
Driver Frontal Squib 2	—	
Left Side Door Pressure Sensor	—	
EPPM	—	
Driver Seatbelt Buckle Pretensioner	—	

EPS CONFIGURATION

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

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	
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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
EC - Seat B	—	
EC - Seat A	—	
Vehicle Line L-Series	—	
Vehicle Line R-Series	—	
Vehicle Line D-Series	—	
Heated Steering Wheel	—	
Vehicle Line J-Series	—	
Vehicle Line U-Series	—	
Vehicle Line W-Series	—	
Vehicle Line M-Series	—	
Vehicle Line P-Series	—	

AMP CONFIGURATION

NAME	VALUE	UNITS
ANC Status	Off - Window Mute	
Left/Right Hand Drive	Left Hand Drive	
Current EQ Checksum	AE CC 9B 99	
Premium - 3	False	
Premuim - 1 (8 channel)	False	
Premuim - 2 (12 Channel)	True	
Non -ANC	False	
Current ANC Calibration ID - Service	RU PHEV 3.6L: Steel Roof & 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 System with 6 Rear Sensors	—	
Rear System with 6 Front Sensors	—	

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	0	
Last Programmed Status	Manufacturing	
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	0	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	Semi Automatic / Semi Automatic	
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	Front windows express only	
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	Not 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	Not 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	Not 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	Not Set	
Puddle Lamp Present	Not Set	
Electro-chromatic driver mirror present	Not 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	Not Set	
Global Down	Not Set	
Frameless Window Present	Not Set	
Window Motor Type	Not Set	
Driver Memory Mirrors Present	Not 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	Perforated Leather	
Front Vented Seats Present	Not 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
Connctor 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	Not 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	Set	
Radio Speaker Open Circuit Disable (RF)	Not Set	
ANC Calibration Parameter Data Set	RU_PHEV_3.6L_SteelRoof_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	BUX Front and Rear Only	
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	Not 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	Not 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	Set	
FSM	Not Set	
EAM	Set	
Radio	Set	
EOMR	Set	
EDM	Not Set	
DMRL	Set	
VTM	Not Set	
VRM	Not 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	ZB4QPDCM	
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	Enabled	
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)	—	
CFG FEATURE	—	
Teen Key (RU variant only)	—	

RBSS CONFIGURATION

NAME	VALUE	UNITS
Teen Key (RU variant only)	—	
Steering Variant (LHD/RHD)	—	

FFCM CONFIGURATION

NAME	VALUE	UNITS
Traceability info	—	
Traceability info	—	
XCP Enabled	—	
HIL mode Enabled	—	

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	



VEHICLE SCAN REPORT

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

Odometer 3841.0 miles
Publication Date Aug 2, 2021, 11:22:38 AM

ECU SUMMARY INFO

ECU	NAME	BUS TYPE	FLASH PART #		PART #
PCM	Powertrain Control Module	CAN-C	68499122AD	[REDACTED]	68499122AD
PLGM	Power Liftgate	CAN-I	68466171AG		68466171AG
ICS	Integrated Center Stack	CAN-I	7AS341X8AA		7AS341X8AA
RFH	Radio Frequency Hub	CAN-C	68500152AA		68500152AA
ESM	Electronic Shifter	CAN-C	68240089AN		68240089AN
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	68496463AB		68496463AB
PDM	Passenger Door Module	CAN-I	68496462AB		68496462AB
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	68517011AB		68517011AB
AMP	Amplifier	CAN-I	68476878AA		68476878AA
IPC	Instrument Panel Cluster	CAN-C	68434960AE		68434960AE
PTS	Parktronics	CAN-C	68485862AA		68485862AA
SCCM	Steering Column Control Module	CAN-C	68531525AA		68531525AA
BCM	Body Controller	CAN-C	68491085AG		68491085AG

ACC	Adaptive Cruise Control	CAN-C	68540436AA		68540436AA
RADIO	Radio	CAN-I	68465292AE		68465292AE
OCM	Occupant Classification	CAN-C	68403127AA		68403127AA
HVACR	Heat, Ventilation and A/C Rear	CAN-I	68373079AB		68373079AB
LBSS	Left Blind Spot Sensor	CAN-I	04672786AB		04672786AB
RBSS	Right Blind Spot Sensor	CAN-I	04672786AB		04672786AB
FFCM	Forward Facing Camera Module	CAN-C	68493395AA		68493395AA
APM	Accessory Power Module	CAN-C	05185046AB		05185046AB
BPCM	Battery Pack Control Module	CAN-C	05193183AE		05193183AE
HCP	Hybrid Control Processor	CAN-C	05185116AH		05185116AH
OBCM	On Board Charging Module	CAN-C	05185047AE		05185047AE
MSMP	Memory Seat Module - Passenger	CAN-I	68321862AC		68321862AC
DSM	Display Screen Module	CAN-I	68438382AD		68438382AD
RCCC	Rear Cabin Comfort Controls	CAN-I	6WL30PD2AA		6WL30PD2AA
CVPM	Central vision processing module	CAN-I	56029920AB		56029920AB
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 00 01	4422	
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	13 02 00	14 23 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 2A 01	14 26 01	4400	
RADIO		65	5671	000200000008	
OCM	USA / USA	11 1F 01	0E 2F 02	4030	
HVACR	USA	0E 09 00	10 03 02	4301	
LBSS	USA / USA	11 30 02	12 0D 00	4202	
RBSS	USA / USA	11 30 02	12 0D 00	4202	
FFCM	USA / USA	11 06 00	13 1E 00	4102	
APM	USA / USA	11 32 00	11 32 00	4001	
BPCM	Not programmed / COUNTRY_SNA	0E 03 00	14 2C 00	4005	79855957
HCP	USA	11 1F 04	0F 2D 00	4006	879F1587 D754327D 050DC953
OBCM	USA	0F 0D 00	12 02 00	4002	
MSMP	USA	0F 2B 00	10 27 03	4001	
DSM	USA / USA	14 0C 00	14 28 00	4300	
RCCC	USA	0F 1D 00	13 04 00	4000	
CVPM	USA / USA	11 27 01	14 0C 01	4004	
EAC	USA	0E 34 00	12 0F 00	4102	
AHCP	USA	11 1F 04	0F 2D 00	4000	
EBBM	USA	0E 19 02	14 0D 18	4000	E5898FA5
ABSO	USA	0E 15 02	14 1B 26	4201	4F158D1B
SGW		5	969	4103	
TBM2	USA	13 0E 02	14 2A 5C	4104	

DTC SUMMARY

ECU	DTC CODE	DTC DESCRIPTION	STATUS
BPCM	P0AA4-00	Hybrid/EV Battery Negative Contactor "A" Stuck Closed-	Active
BPCM	P1E1B-00	Hybrid/EV Battery Side Voltage System Isolation-	Active
HCP	P0652-00	Sensor Reference Voltage 2 Circuit Low-	Active
HCP	P06B1-00	Sensor Power Supply 1 Circuit Low-	Active
HCP	P06B4-00	Sensor Power Supply 2 Circuit Low-	Active

HCP	P0A3F-00	Drive Motor A Position Sensor 1 Circuit-	Active
HCP	P0A44-00	Drive Motor A Position Sensor 1 Circuit Overspeed-	Active
HCP	P0A78-00	Drive Motor A Inverter Performance-	Active
HCP	P0A79-00	Drive Motor B Inverter Performance-	Active
HCP	P16F9-00	HCP Internal - Shutdown Performance-	Active
HCP	P1AEF-00	MCPB High Voltage Battery System Voltage High-	Active
ABSO	C2222-00	Improper Powerdown-	Stored

ENVIRONMENTAL DATA SUMMARY

BPCM | P0AA4-00 | Active | Hybrid/EV Battery Negative Contactor "A" Stuck Closed-

NAME	VALUE	UNITS
Key Position	Ign_ Run	
EPT -WakeUp	Sourced	
Key in Ignition	Key_Def	
Verified Contactor Command - VCC	Open	
HCP Contactor Command	Open	
Qualified Contactor Command - QCC	Open	
ChargingLevel	Plug in, but no charge	
Contactor Status	Open	
Plug in Status	Not plugged in	
Battery in Periodic wake up (Wake up vehicle) at time of Fault	False	
Balance Mode	False	
Battery in Periodic wake up (Just battery) at time of Fault	False	
HVIL Status -Vehicle	Not Sourced	
HVIL Status - Battery pack	PASS	
Pump - Wire Open\Short to Gnd	PASS	
Pump - Dry Run Detection	PASS	
Pump - Overcurrent	PASS	
Pump - Switch Power Shorted	PASS	
Pump - Overtemperature	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 Lowest Cell number	25	
Battery Cell Highest Cell number	93	
Battery Temperature Highest Sensor number	11	
Battery Temperature Lowest Sensor number	07	
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 Failed	

BPCM Sec Asic Reset Req	Not active	
BPCM L2 General Monitoring Flt Rsn	L2L1_CELL_MAX_V_CMP_FLT	
BPCM Sec Asic Fault Input	Not active	
BPCM Sec CC Path Test Active	Not active	
BPCM L2 ASIC Diagnostic Flt Rsn	ADCTest	
BPCM L2 CC Path Test Req	Undetermined	
BPCM L2 Contactor Dslb Req	Undetermined	
BPCM Sec HW Timer Status	Not active	
BPCM Sec Contactor State	Open	
BPCM Main HW Timer Status	Not active	
BPCM Sec Asic Fault State	NOTASSERTED	
Real Time Clock Validity	True	
Test Failed This Operation Cycle	True	
DTC	0A A4 00	
Test Failed	True	
Pending DTC	True	
Confirmed DTC	True	
Test Failed Since Last Clear	True	
Test Not Completed Since Last Clear	False	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number - All	01	
Occurrence flag	ERROR	
DTC Extended Data Record Number - 2	0E	
Frequency Counter	1	
FoM - for this DTC (lifetime fails)	74	events
FoM - for this DTC (lifetime longest fail on pass)	0.000	seconds
Battery Total Time Awake	11324205	seconds
Ignition Cycle Counter	0	
FoM - for this DTC (lifetime fails counts on pass)	0.0000	seconds
Battery Lifetime Miles	CD2D6E	miles
System (12) Volts at time of fault	13.986	Volts
Vehicle mileage at time of fault (ODO signal in \$3D2)	3841.00	miles
Vehicle Speed	0.0	MPH
Power Up SOC at time of Fault	25.1	%
SOC at time of Fault	25.1	%
Battery Lifetime AmpHrs of Charge	2175.4	AHr
HVIL PWM Duty Cycle - Vehicle	0.0	%
HVIL PWM peak voltage Sourced - Vehicle	0.379	Volts
Battery Lifetime AmpHrs of DisCharge	2173.4	AHr
HVIL Source Voltage- Battery	1.362	Volts
HVIL PWM Frequency - Vehicle	0.0	Hz
HV Battery Current Sensor 1 Hall High	-0.20	Amps
HVIL Returned current - Battery	30.20	mA

HVIL PWM peak voltage Sensed - Vehicle	0.355	Volts
HV Battery Current Sensor 2 Hall Low	0.00	Amps
HV Cooling Speed Pump 1 Target	0	rpm
HV Battery Current HVBatCrnt	0.00	Amps
HV Cooling Speed pump 1 Speed	0	rpm
Charge indicator Temp	73	°F
BPCM temperature max	73	°F
BPCM temperature min	73	°F
Isolation Circuitry Va	2.498	Volts
Isolation Circuitry Vb	2.501	Volts
Isolation Circuitry Vd	0.000	Volts
WC and Circuitry 2.5V Reference Voltage	2.500	Volts
WC and Circuitry Vcc Voltage	5.021	Volts
WC and CircuitryISO 8V Reference Voltage	8.005	Volts
WC and Circuitry Weld Contactor Sensor G (Pack Negative) Voltage	-1.0	Volts
Cycles left to self heal	40	No Unit
HV Battery Charge Power 2sec	91674	watts
HV Battery Charge Power 10sec	90042	watts
HV Battery Discharge Power 2sec	90774	watts
Battery Lifetime Number Of Closes	714	
HV Battery Discharge Power 10sec	87540	watts
HV Battery Power	007530	watts
Battery Full AmpHr Capacity	49	AmpHrs
Cell Impedance Max Discharge	0	mOhms
Cell Impedance Mim Discharge	0	mOhms
Battery Cell Voltage Maximum	3571	mV
Battery Cell Voltage Minimum	3559	mV
Battery Cell Voltage Average	3564	mV
HV Battery Voltage (Module Sum)	341.60	Volts
HV Sensor B Bus\Link (Pre-Fuse) Voltage	1.20	Volts
HV Sensor A Pack Voltage	342.30	Volts
HV Battery Voltage (cell sum)	342.20	Volts
HV Sensor C OBCM (HVOBC Fuse) Voltage	0.40	Volts
HV Sensor G Weld Contactor(Pack Negative) Voltage	-1.0	Volts
HV Sensor D Heater (HVHTR Fuse) Voltage	0.40	Volts
Battery Temperature Minimum Module	73	°F
Battery Temperature Maximum Module	73	°F
Battery Temperature Average Module	73	°F
HV Cooling Battery coolant outlet temp	72	°F
HV Cooling OBCM temp inlet Temp	73	°F
HV Cooling Battery coolant inlet temp	72	°F
Isolation Battery Impedance	0.0005	Mega Ohms
Isolation Vehicle Impedance	6.7393	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	7.8	%
Real time clock-OS Task Delay Timer	1	
Real time clock	429496.7295	seconds
Original Odometer Value	3838	miles
Most Recent Odometer Value	3838	miles

BPCM | P1E1B-00 | Active | Hybrid/EV Battery Side Voltage System Isolation-

NAME	VALUE	UNITS
EPT -WakeUp	Sourced	
Key in Ignition	Key_Def	
Key Position	Ign_ Run	
Verified Contactor Command - VCC	Open	
HCP Contactor Command	Open	
Contactor Status	Open	
Qualified Contactor Command - QCC	Open	
ChargingLevel	Plug in, but no charge	
Plug in Status	Not plugged in	
Balance Mode	False	
Battery in Periodic wake up (Just battery) at time of Fault	False	
Battery in Periodic wake up (Wake up vehicle) at time of Fault	False	
HVIL Status -Vehicle	Not Sourced	
HVIL Status - Battery pack	PASS	
Pump - Wire Open\Short to Gnd	PASS	
Pump - Dry Run Detection	PASS	
Pump - Overtemperature	PASS	
Pump - Overcurrent	PASS	
Pump - Switch Power Shorted	PASS	
Fault trigger level 1	False	
Fault trigger level 2	False	
Fault Path	01	
Fault trigger level 3	False	
Key - DriveRdy (CAN)	True	
Battery Cell Highest Cell number	93	
Battery Cell Lowest Cell number	25	
Battery Temperature Highest Sensor number	11	
Battery Temperature Lowest Sensor number	07	
HV Cooling Pump Relay Drive	Not Sourced	
Battery Temperature Number of Failing Sensors	00	
Pump - Battery Coolant Level Low	False	

Isolation Vehicle Diagnostic Status	Run and Passed	
Isolation Battery Diagnostic Status	Run and Failed	
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 Sec HW Timer Status	Not active	
BPCM L2 Contactor Dslb Req	Undetermined	
BPCM L2 ASIC Diagnostic Flt Rsn	ADCTest	
BPCM Sec Contactor State	Open	
BPCM Main HW Timer Status	Not active	
BPCM Sec Asic Fault State	NOTASSERTED	
Real Time Clock Validity	True	
DTC	1E 1B 00	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Test Failed	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	True	
DTC Extended Data Record Number - All	01	
Occurrence flag	ERROR	
DTC Extended Data Record Number - 2	83	
FoM - for this DTC (lifetime fails counts on pass)	0.0000	seconds
FoM - for this DTC (lifetime fails)	9	events
Frequency Counter	1	
Ignition Cycle Counter	0	
FoM - for this DTC (lifetime longest fail on pass)	0.000	seconds
Battery Lifetime Miles	CD2D6E	miles
Vehicle mileage at time of fault (ODO signal in \$3D2)	3841.00	miles
Battery Total Time Awake	11324205	seconds
System (12) Volts at time of fault	14.097	Volts
Vehicle Speed	0.0	MPH
Battery Lifetime AmpHrs of Charge	2175.4	AHr
Battery Lifetime AmpHrs of DisCharge	2173.4	AHr
SOC at time of Fault	25.1	%
Power Up SOC at time of Fault	25.1	%
HVIL PWM Frequency - Vehicle	0.0	Hz
HVIL PWM peak voltage Sourced - Vehicle	0.379	Volts
HVIL PWM Duty Cycle - Vehicle	0.0	%
HVIL Returned current - Battery	30.20	mA

HVIL PWM peak voltage Sensed - Vehicle	0.357	Volts
HVIL Source Voltage- Battery	1.370	Volts
HV Battery Current Sensor 1 Hall High	-0.40	Amps
HV Battery Current HVBatCrnt	0.00	Amps
HV Battery Current Sensor 2 Hall Low	0.00	Amps
HV Cooling Speed pump 1 Speed	0	rpm
HV Cooling Speed Pump 1 Target	0	rpm
Charge indicator Temp	73	°F
BPCM temperature max	73	°F
BPCM temperature min	73	°F
Isolation Circuitry Va	2.497	Volts
Isolation Circuitry Vd	0.000	Volts
Isolation Circuitry Vb	2.501	Volts
WC and Circuitry Vcc Voltage	5.021	Volts
WC and Circuitry 2.5V Reference Voltage	2.500	Volts
WC and CircuitryISO 8V Reference Voltage	8.005	Volts
WC and Circuitry Weld Contactor Sensor G (Pack Negative) Voltage	-1.0	Volts
Cycles left to self heal	40	No Unit
HV Battery Charge Power 2sec	91674	watts
HV Battery Charge Power 10sec	90042	watts
HV Battery Discharge Power 10sec	87540	watts
HV Battery Discharge Power 2sec	90774	watts
HV Battery Power	007530	watts
Battery Lifetime Number Of Closes	714	
Battery Full AmpHr Capacity	49	AmpHrs
Cell Impedance Max Discharge	0	mOhms
Cell Impedance Mim Discharge	0	mOhms
Battery Cell Voltage Maximum	3571	mV
Battery Cell Voltage Minimum	3559	mV
Battery Cell Voltage Average	3564	mV
HV Battery Voltage (cell sum)	342.20	Volts
HV Battery Voltage (Module Sum)	341.60	Volts
HV Sensor A Pack Voltage	342.30	Volts
HV Sensor B Bus\Link (Pre-Fuse) Voltage	1.20	Volts
HV Sensor C OBCM (HVOBC Fuse) Voltage	0.40	Volts
HV Sensor D Heater (HVHTR Fuse) Voltage	0.40	Volts
HV Sensor G Weld Contactor(Pack Negative) Voltage	-1.0	Volts
Battery Temperature Maximum Module	73	°F
Battery Temperature Average Module	73	°F
Battery Temperature Minimum Module	73	°F
HV Cooling Battery coolant inlet temp	72	°F
HV Cooling Battery coolant outlet temp	72	°F
Isolation Vehicle Impedance	6.7393	Mega Ohms
HV Cooling OBCM temp inlet Temp	73	°F

Isolation Battery Impedance	0.0005	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	7.8	%
Real time clock	429496.7295	seconds
Real time clock-OS Task Delay Timer	1	
Original Odometer Value	3838	miles
Most Recent Odometer Value	3838	miles

HCP | P0652-00 | Active | Sensor Reference Voltage 2 Circuit Low-

NAME	VALUE	UNITS
DTC	06 52 00	
Test Failed	True	
Test Failed This Operation Cycle	True	
Confirmed DTC	True	
Pending DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	True	
Occurrence flag	Occurrence	
Brake Switch Status	Not Applied	
PHEV Charging Status	No Charging	
PRND Position Display	P	
Propulsion System Active	False	
Ignition State	Reserved	
Commanded Inverter B State	Inverter Disabled	
Inverter B Status Feedback	Inverter Faulted	
Motor B Phase U Short Fault - High-Side	False	
Motor B Phase U Cross Conduction Fault - High-Side	False	
Motor B Phase U Thermal Shutdown Fault - High-Side	False	
Motor B Phase U Thermal Warning Fault - High-Side	False	
Motor B Phase U SPI Error Fault - High-Side	False	
Motor B Phase U Comm Error High Voltage Regulator Fault - High-Side	True	
Motor B Phase U Short Fault - Low-Side	False	
Motor B Phase U Hardware Error Fault - High-Side	False	
Motor B Phase U Over Current Fault - Low-Side	False	
Motor B Phase U Cross Conduction Fault - Low-Side	False	
Motor B Phase U Thermal Shutdown Fault - Low-Side	False	
Motor B Phase U Thermal Warning Fault - Low-Side	False	

Motor B Phase U SPI Error Fault - Low-Side	False	
Motor B Phase U Comm Error High Voltage Regulator Fault - Low-Side	True	
Motor B Phase U Comm Error Low Voltage Regulator Fault - Low-Side	True	
Motor B Phase U Hardware Error Fault - Low-Side	False	
Motor B Phase V Short Fault - High-Side	False	
Motor B Phase V Over Current Fault - High-Side	False	
Motor B Phase V Cross Conduction Fault - High-Side	False	
Motor B Phase V Thermal Warning Fault - High-Side	False	
Motor B Phase V Thermal Shutdown Fault - High-Side	False	
Motor B Phase V Comm Error High Voltage Regulator Fault - High-Side	True	
Motor B Phase V Comm Error Low Voltage Regulator Fault - High-Side	True	
Motor B Phase V SPI Error Fault - High-Side	False	
Motor B Phase V Hardware Error Fault - High-Side	False	
Motor B Phase V Short Fault - Low-Side	False	
Motor B Phase V Cross Conduction Fault - Low-Side	False	
Motor B Phase V Over Current Fault - Low-Side	False	
Motor B Phase V Comm Error High Voltage Regulator Fault - Low-Side	True	
Motor B Phase V Thermal Warning Fault - Low-Side	False	
Motor B Phase V Thermal Shutdown Fault - Low-Side	False	
Motor B Phase V Comm Error Low Voltage Regulator Fault - Low-Side	True	
Motor B Phase V SPI Error Fault - Low-Side	False	
Motor B Phase W Short Fault - High-Side	False	
Motor B Phase V Hardware Error Fault - Low-Side	False	
Motor B Phase W Cross Conduction Fault - High-Side	False	
Motor B Phase W Over Current Fault - High-Side	False	
Motor B Phase W Thermal Warning Fault - High-Side	False	
Motor B Phase W Comm Error Low Voltage Regulator Fault - High-Side	True	
Motor B Phase W Comm Error High Voltage Regulator Fault - High-Side	True	
Motor B Phase W SPI Error Fault - High-Side	False	
Motor B Phase W Cross Conduction Fault - Low-Side	False	
Motor B Phase W Hardware Error Fault - High-Side	False	
Motor B Phase W Short Fault - Low-Side	False	
Motor B Phase W Over Current Fault - Low-Side	False	
Motor B Phase W Thermal Warning Fault - Low-Side	False	
Motor B Phase W Comm Error High Voltage Regulator Fault - Low-Side	True	
Motor B Phase W Thermal Shutdown Fault - Low-Side	False	
Motor B Phase W Comm Error Low Voltage Regulator Fault - Low-Side	True	
Motor B Phase W SPI Error Fault - Low-Side	False	
Motor B Phase W Hardware Error Fault - Low-Side	False	
Hybrid System State	SNA	
HCP ePT Wake-Up Output	On	
CBC Wake-Up Input	Off	
EPT LOC Diag Enable	Enable LOC Diagnostic	
HV Contactor Status	Open	

APM Status	Idle	
HCP System Shutdown Command	Default	
Impact Event	False	
OBCM Operating Mode	UTC	
J1772 Prox Detected State	Prox Out	
Motor B Phase U Over Current Fault - High-Side	False	
Motor B Phase U Over Voltage Fault VH - High-Side	False	
Motor B Phase U Over Voltage Fault VL - High-Side	False	
Motor B Phase U Under Voltage Fault VH - High-Side	False	
Motor B Phase U Over Voltage Fault VDD - High-Side	False	
Motor B Phase U Under Voltage Fault VDD - High-Side	False	
Motor B Phase U Under Voltage Fault VL - High-Side	False	
Motor B Phase U Comm Error Low Voltage Regulator Fault - High-Side	True	
Motor B Phase U Over Voltage Fault VH - Low-Side	False	
Motor B Phase U Under Voltage Fault VH - Low-Side	False	
Motor B Phase U Under Voltage Fault VL - Low-Side	False	
Motor B Phase U Over Voltage Fault VDD - Low-Side	False	
Motor B Phase U Over Voltage Fault VL - Low-Side	False	
Motor B Phase U Under Voltage Fault VDD - Low-Side	False	
Motor B Phase V Over Voltage Fault VH - High-Side	False	
Motor B Phase V Under Voltage Fault VH - High-Side	False	
Motor B Phase V Over Voltage Fault VL - High-Side	False	
Motor B Phase V Under Voltage Fault VL - High-Side	False	
Motor B Phase V Over Voltage Fault VDD - High-Side	False	
Motor B Phase V Under Voltage Fault VDD - High-Side	False	
Motor B Phase V Over Voltage Fault VH - Low-Side	False	
Motor B Phase V Under Voltage Fault VH - Low-Side	False	
Motor B Phase V Under Voltage Fault VL - Low-Side	False	
Motor B Phase V Over Voltage Fault VL - Low-Side	False	
Motor B Phase V Under Voltage Fault VDD - Low-Side	False	
Motor B Phase V Over Voltage Fault VDD - Low-Side	False	
Motor B Phase W Over Voltage Fault VH - High-Side	False	
Motor B Phase W Over Voltage Fault VL - High-Side	False	
Motor B Phase W Under Voltage Fault VH - High-Side	False	
Motor B Phase W Under Voltage Fault VL - High-Side	False	
Motor B Phase W Over Voltage Fault VDD - High-Side	False	
Motor B Phase W Under Voltage Fault VDD - High-Side	False	
Motor B Phase W Over Voltage Fault VH - Low-Side	False	
Motor B Phase W Thermal Shutdown Fault - High-Side	False	
Motor B Phase W Under Voltage Fault VH - Low-Side	False	
Motor B Phase W Over Voltage Fault VL - Low-Side	False	
Motor B Phase W Over Voltage Fault VDD - Low-Side	False	
Motor B Phase W Under Voltage Fault VL - Low-Side	False	
Motor B Phase W Under Voltage Fault VDD - Low-Side	False	

Most Recent Odometer Value	3841.0	miles
Original Odometer Value	3841.0	miles
Frequency Counter	1	
RAM stamps keyOn	45	sec
Ignition Cycle Counter	0	
Real time clock	11324206	sec
RAM Stamps	29464	Min
Accelerator Pedal Position	0	%
Engine Speed	0	rpm
HV Battery SOC	25	%
Vehicle Speed	0.0000	MPH
Barometric Pressure	14	PSI
Actual Torque - Motor B	0.000	Ft-Lbs
Engine Coolant Temperature	73	°F
Available Motor Torque - Motor B	0.000	Ft-Lbs
Electric Motor B Speed	0.0	rpm
Inverter B Input DC Current	0.0	AMP
Motor B - Inverter Current - phase B	-4	AMP
Motor B - Inverter Current - phase A	0	AMP
Motor B - Inverter Current - phase C	0	AMP
Motor B Resolver Supply Voltage Value	03FD	Volts
Internal EPS Voltage Sense A	0.000	Volts
Battery Feed Voltage 2 Sense	13.392	Volts
Internal EPS Voltage Sense B	0.072	Volts
Battery Feed Voltage 3 Sense	13.248	Volts
Battery Feed Voltage 1 Sense	13.392	Volts
Available Motor Torque - Motor A	0.000	Ft-Lbs
Actual Torque - Motor A	0.000	Ft-Lbs
Available Regen Torque - Motor A	0.000	Ft-Lbs
Available Regen Torque - Motor B	0.000	Ft-Lbs
Commanded Torque - Motor A	0.000	Ft-Lbs
Commanded Torque - Motor B	0.000	Ft-Lbs
Motor A - Inverter Current - phase A	-4	AMP
Motor A - Inverter Current - phase C	0	AMP
Motor A - Inverter Current - phase B	0	AMP
Motor A Resolver Angle	Invalid Value	Degree
Motor A Temp Sensor	79	°F
Outside Air Temperature	71.6	°F
PIM DC Link Voltage - A	2	Volts
Electric Motor A Speed	16383.5	rpm
HV Battery Voltage from BPCM	180.00	Volts
Inverter A IGBT Temperature for phase A	73	°F
PIM DC Link Voltage - B	6	Volts
Inverter A IGBT Temperature for phase C	73	°F

Inverter A IGBT Temperature for phase B	73	°F
Inverter B IGBT Temperature for phase C	72	°F
Inverter B IGBT Temperature for phase A	73	°F
Inverter B IGBT Temperature for phase B	73	°F
Distance Travelled with Light ON	0	miles
Motor B Torque	0.000	Ft-Lbs
Motor A Torque	0.000	Ft-Lbs
HV Battery Sleep Time	0	Days
GPS Date - Month	4	
GPS Date - Year	2021	Year
GPS Date - Day	10	Days
UTC Time - Hours	6	Hours
UTC Time - Seconds	0	seconds
UTC Time - Minutes	47	
ECU Time - Milliseconds	602	ms

HCP | P06B1-00 | Active | Sensor Power Supply 1 Circuit Low-

NAME	VALUE	UNITS
DTC	06 B1 00	
Test Failed	True	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	True	
Occurrence flag	Occurrence	
Brake Switch Status	Not Applied	
PHEV Charging Status	No Charging	
Ignition State	Reserved	
PRND Position Display	P	
Propulsion System Active	False	
Motor A Resolver Offset Learn Erase	not requested	
Motor A Resolver Offset Learning Status Flag	Applied	
Motor B Resolver Offset Learning Status Flag	Applied	
Motor A Resolver to Digital Low Level Driver Faults	Resolver Loss of Signal	
Motor B Resolver to Digital Low Level Driver Faults	No fault	
Hybrid System State	SNA	
HCP ePT Wake-Up Output	On	
CBC Wake-Up Input	Off	
EPT LOC Diag Enable	Enable LOC Diagnostic	
HV Contactor Status	Open	
APM Status	Idle	

Impact Event	False	
HCP System Shutdown Command	Default	
OBCM Operating Mode	UTC	
J1772 Prox Detected State	Prox Out	
Motor B Resolver Offset Learn Erase	not requested	
Original Odometer Value	3841.0	miles
Frequency Counter	1	
Ignition Cycle Counter	0	
Most Recent Odometer Value	3841.0	miles
Real time clock	11324206	sec
RAM stamps keyOn	45	sec
Accelerator Pedal Position	0	%
Engine Speed	0	rpm
RAM Stamps	29464	Min
HV Battery SOC	25	%
Vehicle Speed	0.0000	MPH
Motor A Temp Sensor	79	°F
Motor B Temp Sensor	77	°F
Barometric Pressure	14	PSI
Engine Coolant Temperature	73	°F
Motor B Resolver Angle Offset	3.60	Degree
Motor A Resolver Angle Offset	0.80	Degree
Motor A Resolver Supply Voltage Value	03FD	Volts
Motor B Resolver Supply Voltage Value	03FD	Volts
Battery Feed Voltage 2 Sense	13.392	Volts
Internal EPS Voltage Sense A	0.000	Volts
Internal EPS Voltage Sense B	0.072	Volts
Actual Torque - Motor A	0.000	Ft-Lbs
Actual Torque - Motor B	0.000	Ft-Lbs
Available Motor Torque - Motor B	0.000	Ft-Lbs
Available Motor Torque - Motor A	0.000	Ft-Lbs
Available Regen Torque - Motor A	0.000	Ft-Lbs
Available Regen Torque - Motor B	0.000	Ft-Lbs
Commanded Torque - Motor A	0.000	Ft-Lbs
Commanded Torque - Motor B	0.000	Ft-Lbs
Electric Motor A Speed	0.0	rpm
Electric Motor B Speed	0.0	rpm
Battery Feed Voltage 1 Sense	13.392	Volts
Battery Feed Voltage 3 Sense	13.248	Volts
Motor A - Inverter Current - phase A	0	AMP
Motor A - Inverter Current - phase B	-4	AMP
Motor A - Inverter Current - phase C	-4	AMP
Motor B - Inverter Current - phase A	-4	AMP
Motor B - Inverter Current - phase B	-4	AMP

Motor B - Inverter Current - phase C	-4	AMP
HV Battery Voltage from BPCM	180.00	Volts
Outside Air Temperature	71.6	°F
PIM DC Link Voltage - B	6	Volts
PIM DC Link Voltage - A	2	Volts
Inverter A IGBT Temperature for phase A	73	°F
Inverter A IGBT Temperature for phase B	73	°F
Inverter A IGBT Temperature for phase C	73	°F
Inverter B IGBT Temperature for phase A	73	°F
Inverter B IGBT Temperature for phase B	73	°F
Inverter B IGBT Temperature for phase C	72	°F
Distance Travelled with Light ON	0	miles
Motor A Torque	0.000	Ft-Lbs
Motor B Torque	0.000	Ft-Lbs
HV Battery Sleep Time	0	Days
GPS Date - Year	2021	Year
GPS Date - Month	4	
GPS Date - Day	10	Days
UTC Time - Hours	6	Hours
UTC Time - Minutes	47	
UTC Time - Seconds	0	seconds
ECU Time - Milliseconds	787	ms

HCP | P06B4-00 | Active | Sensor Power Supply 2 Circuit Low-

NAME	VALUE	UNITS
DTC	06 B4 00	
Test Failed	True	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	True	
Occurrence flag	Occurrence	
PHEV Charging Status	No Charging	
Brake Switch Status	Not Applied	
Ignition State	Reserved	
Propulsion System Active	False	
PRND Position Display	P	
Motor A Resolver Offset Learn Erase	not requested	
Motor B Resolver Offset Learning Status Flag	Applied	
Motor A Resolver Offset Learning Status Flag	Applied	
Motor A Resolver to Digital Low Level Driver Faults	Resolver Loss of Signal	

Motor B Resolver to Digital Low Level Driver Faults	No fault	
Hybrid System State	SNA	
HCP ePT Wake-Up Output	On	
EPT LOC Diag Enable	Enable LOC Diagnostic	
CBC Wake-Up Input	Off	
HV Contactor Status	Open	
Impact Event	False	
APM Status	Idle	
HCP System Shutdown Command	Default	
OBCM Operating Mode	UTC	
J1772 Prox Detected State	Prox Out	
Motor B Resolver Offset Learn Erase	not requested	
Original Odometer Value	3841.0	miles
Most Recent Odometer Value	3841.0	miles
Frequency Counter	1	
Ignition Cycle Counter	0	
RAM stamps keyOn	45	sec
Real time clock	11324206	sec
RAM Stamps	29464	Min
Accelerator Pedal Position	0	%
Engine Speed	0	rpm
HV Battery SOC	25	%
Vehicle Speed	0.0000	MPH
Motor A Temp Sensor	79	°F
Motor B Temp Sensor	77	°F
Barometric Pressure	14	PSI
Engine Coolant Temperature	73	°F
Motor A Resolver Angle Offset	0.80	Degree
Motor B Resolver Angle Offset	3.60	Degree
Motor A Resolver Supply Voltage Value	03FD	Volts
Motor B Resolver Supply Voltage Value	03FD	Volts
Battery Feed Voltage 2 Sense	13.392	Volts
Internal EPS Voltage Sense A	0.000	Volts
Internal EPS Voltage Sense B	0.072	Volts
Actual Torque - Motor A	0.000	Ft-Lbs
Actual Torque - Motor B	0.000	Ft-Lbs
Available Motor Torque - Motor A	0.000	Ft-Lbs
Available Motor Torque - Motor B	0.000	Ft-Lbs
Available Regen Torque - Motor A	0.000	Ft-Lbs
Available Regen Torque - Motor B	0.000	Ft-Lbs
Commanded Torque - Motor A	0.000	Ft-Lbs
Commanded Torque - Motor B	0.000	Ft-Lbs
Electric Motor B Speed	0.0	rpm
Electric Motor A Speed	0.0	rpm

Battery Feed Voltage 1 Sense	13.392	Volts
Battery Feed Voltage 3 Sense	13.248	Volts
Motor A - Inverter Current - phase A	-4	AMP
Motor A - Inverter Current - phase B	-4	AMP
Motor A - Inverter Current - phase C	0	AMP
Motor B - Inverter Current - phase A	-4	AMP
Motor B - Inverter Current - phase C	-4	AMP
Motor B - Inverter Current - phase B	-4	AMP
Outside Air Temperature	71.6	°F
HV Battery Voltage from BPCM	180.00	Volts
PIM DC Link Voltage - A	2	Volts
PIM DC Link Voltage - B	6	Volts
Inverter A IGBT Temperature for phase A	73	°F
Inverter A IGBT Temperature for phase B	73	°F
Inverter A IGBT Temperature for phase C	73	°F
Inverter B IGBT Temperature for phase A	73	°F
Inverter B IGBT Temperature for phase B	73	°F
Inverter B IGBT Temperature for phase C	72	°F
Distance Travelled with Light ON	0	miles
Motor A Torque	0.000	Ft-Lbs
HV Battery Sleep Time	0	Days
Motor B Torque	0.000	Ft-Lbs
GPS Date - Year	2021	Year
GPS Date - Month	4	
GPS Date - Day	10	Days
UTC Time - Minutes	47	
UTC Time - Hours	6	Hours
UTC Time - Seconds	0	seconds
ECU Time - Milliseconds	781	ms

HCP | P0A3F-00 | Active | Drive Motor A Position Sensor 1 Circuit-

NAME	VALUE	UNITS
DTC	0A 3F 00	
Test Failed	True	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	True	
Occurrence flag	Occurrence	
Brake Switch Status	Not Applied	
PHEV Charging Status	No Charging	

Ignition State	Reserved	
PRND Position Display	P	
Propulsion System Active	False	
Motor A Resolver Offset Learn Erase	not requested	
Motor A Resolver Offset Learning Status Flag	Applied	
Motor B Resolver Offset Learning Status Flag	Applied	
Motor A Resolver to Digital Low Level Driver Faults	Resolver Loss of Signal	
Motor B Resolver to Digital Low Level Driver Faults	No fault	
Hybrid System State	SNA	
HCP ePT Wake-Up Output	On	
EPT LOC Diag Enable	Enable LOC Diagnostic	
CBC Wake-Up Input	Off	
HV Contactor Status	Open	
APM Status	Idle	
Impact Event	False	
HCP System Shutdown Command	Default	
J1772 Prox Detected State	Prox Out	
OBCM Operating Mode	UTC	
Motor B Resolver Offset Learn Erase	not requested	
Most Recent Odometer Value	3841.0	miles
Original Odometer Value	3841.0	miles
Ignition Cycle Counter	0	
Frequency Counter	1	
Real time clock	11324206	sec
RAM Stamps	29464	Min
RAM stamps keyOn	45	sec
Accelerator Pedal Position	0	%
Engine Speed	0	rpm
HV Battery SOC	25	%
Vehicle Speed	0.0000	MPH
Motor A Temp Sensor	79	°F
Motor B Temp Sensor	77	°F
Barometric Pressure	14	PSI
Engine Coolant Temperature	73	°F
Motor A Resolver Angle Offset	0.80	Degree
Motor B Resolver Angle Offset	3.60	Degree
Motor B Resolver Supply Voltage Value	03FD	Volts
Motor A Resolver Supply Voltage Value	03FD	Volts
Battery Feed Voltage 2 Sense	13.392	Volts
Internal EPS Voltage Sense A	0.000	Volts
Internal EPS Voltage Sense B	0.072	Volts
Actual Torque - Motor A	0.000	Ft-Lbs
Actual Torque - Motor B	0.000	Ft-Lbs
Available Motor Torque - Motor A	0.000	Ft-Lbs

Available Motor Torque - Motor B	0.000	Ft-Lbs
Available Regen Torque - Motor A	0.000	Ft-Lbs
Available Regen Torque - Motor B	0.000	Ft-Lbs
Commanded Torque - Motor A	0.000	Ft-Lbs
Electric Motor B Speed	0.0	rpm
Commanded Torque - Motor B	0.000	Ft-Lbs
Electric Motor A Speed	0.0	rpm
Battery Feed Voltage 1 Sense	13.392	Volts
Battery Feed Voltage 3 Sense	13.248	Volts
Motor A - Inverter Current - phase A	-4	AMP
Motor A - Inverter Current - phase B	-4	AMP
Motor A - Inverter Current - phase C	0	AMP
Motor B - Inverter Current - phase A	-4	AMP
Motor B - Inverter Current - phase B	0	AMP
Outside Air Temperature	71.6	°F
Motor B - Inverter Current - phase C	-4	AMP
HV Battery Voltage from BPCM	180.00	Volts
PIM DC Link Voltage - A	2	Volts
PIM DC Link Voltage - B	6	Volts
Inverter A IGBT Temperature for phase A	73	°F
Inverter A IGBT Temperature for phase B	73	°F
Inverter A IGBT Temperature for phase C	73	°F
Inverter B IGBT Temperature for phase A	73	°F
Inverter B IGBT Temperature for phase B	73	°F
Inverter B IGBT Temperature for phase C	72	°F
Distance Travelled with Light ON	0	miles
Motor A Torque	0.000	Ft-Lbs
Motor B Torque	0.000	Ft-Lbs
HV Battery Sleep Time	0	Days
GPS Date - Year	2021	Year
GPS Date - Month	4	
GPS Date - Day	10	Days
UTC Time - Hours	6	Hours
UTC Time - Minutes	47	
UTC Time - Seconds	0	seconds
ECU Time - Milliseconds	694	ms

HCP | POA44-00 | Active | Drive Motor A Position Sensor 1 Circuit Overspeed-

NAME	VALUE	UNITS
DTC	0A 44 00	
Test Failed	True	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Confirmed DTC	False	

Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
Occurrence flag		
Brake Switch Status		
PHEV Charging Status		
Ignition State		
Propulsion System Active		
PRND Position Display		
Motor A Resolver Offset Learn Erase		
Motor A Resolver Offset Learning Status Flag		
Motor B Resolver Offset Learning Status Flag		
Motor A Resolver to Digital Low Level Driver Faults		
Motor B Resolver to Digital Low Level Driver Faults		
Hybrid System State		
HCP ePT Wake-Up Output		
CBC Wake-Up Input		
HV Contactor Status		
EPT LOC Diag Enable		
APM Status		
HCP System Shutdown Command		
Impact Event		
J1772 Prox Detected State		
OBCM Operating Mode		
Motor B Resolver Offset Learn Erase		
Original Odometer Value		miles
Frequency Counter		
Most Recent Odometer Value		miles
Ignition Cycle Counter		
Real time clock		sec
RAM stamps keyOn		sec
RAM Stamps		Min
Accelerator Pedal Position		%
Engine Speed		rpm
Vehicle Speed		MPH
HV Battery SOC		%
Motor A Temp Sensor		°F
Motor B Temp Sensor		°F
Barometric Pressure		PSI
Engine Coolant Temperature		°F
Motor A Resolver Angle Offset		Degree
Motor B Resolver Angle Offset		Degree
Motor A Resolver Supply Voltage Value		Volts

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

HCP | POA78-00 | Active | Drive Motor A Inverter Performance-

NAME	VALUE	UNITS
Test Failed	True	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
DTC	0A 78 00	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	True	
Occurrence flag	Occurrence	
Test Failed Since Last Clear	True	
Brake Switch Status	Not Applied	
PHEV Charging Status	No Charging	
PRND Position Display	P	
Propulsion System Active	False	
Ignition State	Reserved	
Motor A Phase U Cross Conduction Fault - High-Side	False	
Motor A Phase U Thermal Warning Fault - High-Side	False	
Motor A Phase U Short Fault - High-Side	False	
Motor A Phase U Over Current Fault - High-Side	False	
Motor A Phase U Comm Error High Voltage Regulator Fault - High-Side	True	
Motor A Phase U Comm Error Low Voltage Regulator Fault - High-Side	True	
Motor A Phase U SPI Error Fault - High-Side	False	
Motor A Phase U Thermal Shutdown Fault - High-Side	False	
Motor A Phase U Over Current Fault - Low-Side	False	
Motor A Phase U Hardware Error Fault - High-Side	True	
Motor A Phase U Short Fault - Low-Side	False	
Motor A Phase U Cross Conduction Fault - Low-Side	False	
Motor A Phase U SPI Error Fault - Low-Side	False	
Motor A Phase U Thermal Shutdown Fault - Low-Side	False	
Motor A Phase U Thermal Warning Fault - Low-Side	False	
Motor A Phase V Cross Conduction Fault - High-Side	False	
Motor A Phase V Over Current Fault - High-Side	False	
Motor A Phase U Hardware Error Fault - Low-Side	True	
Motor A Phase V Short Fault - High-Side	False	
Motor A Phase V Comm Error Low Voltage Regulator Fault - High-Side	True	
Motor A Phase V SPI Error Fault - High-Side	False	
Motor A Phase V Thermal Warning Fault - High-Side	False	
Motor A Phase V Thermal Shutdown Fault - High-Side	False	
Motor A Phase V Comm Error High Voltage Regulator Fault - High-Side	True	
Motor A Phase V Cross Conduction Fault - Low-Side	False	
Motor A Phase V Short Fault - Low-Side	False	
Motor A Phase V Hardware Error Fault - High-Side	True	

Motor A Phase V Thermal Shutdown Fault - Low-Side	False	
Motor A Phase V SPI Error Fault - Low-Side	False	
Motor A Phase W Thermal Warning Fault - High-Side	False	
Motor A Phase W Thermal Shutdown Fault - High-Side	False	
Motor A Phase V Over Current Fault - Low-Side	False	
Motor A Phase V Thermal Warning Fault - Low-Side	False	
Motor A Phase V Hardware Error Fault - Low-Side	True	
Motor A Phase W Over Current Fault - High-Side	False	
Motor A Phase W Short Fault - Low-Side	False	
Motor A Phase W SPI Error Fault - High-Side	False	
Motor A Phase W Comm Error Low Voltage Regulator Fault - High-Side	True	
Motor A Phase W Short Fault - High-Side	False	
Motor A Phase W Hardware Error Fault - High-Side	True	
Motor A Phase W Cross Conduction Fault - Low-Side	False	
Motor A Phase W SPI Error Fault - Low-Side	False	
Motor A Phase W Over Current Fault - Low-Side	False	
Motor A Phase W Thermal Warning Fault - Low-Side	False	
Motor A Phase W Hardware Error Fault - Low-Side	True	
Motor A Phase W Thermal Shutdown Fault - Low-Side	False	
Motor A Phase W Comm Error Low Voltage Regulator Fault - Low-Side	True	
Hybrid System State	SNA	
HV Contactor Status	Open	
Inverter B Status Feedback	Inverter Faulted	
HCP ePT Wake-Up Output	On	
CBC Wake-Up Input	Off	
EPT LOC Diag Enable	Enable LOC Diagnostic	
APM Status	Idle	
OBCM Operating Mode	UTC	
Impact Event	False	
J1772 Prox Detected State	Prox Out	
HCP System Shutdown Command	Default	
Motor A Phase U Over Voltage Fault VH - High-Side	False	
Inverter Status Feedback	Inverter Faulted	
Commanded Inverter A State	Inverter Disabled	
Motor A Phase U Over Voltage Fault VL - High-Side	False	
Motor A Phase U Under Voltage Fault VL - High-Side	False	
Motor A Phase U Over Voltage Fault VH - Low-Side	False	
Motor A Phase U Under Voltage Fault VH - Low-Side	True	
Motor A Phase U Over Voltage Fault VL - Low-Side	False	
Motor A Phase U Over Voltage Fault VDD - High-Side	False	
Motor A Phase U Under Voltage Fault VH - High-Side	True	
Motor A Phase U Under Voltage Fault VDD - Low-Side	False	
Motor A Phase U Comm Error High Voltage Regulator Fault - Low-Side	True	
Motor A Phase U Under Voltage Fault VL - Low-Side	False	

Motor A Phase U Over Voltage Fault VDD - Low-Side	False	
Motor A Phase U Under Voltage Fault VDD - High-Side	False	
Motor A Phase U Comm Error Low Voltage Regulator Fault - Low-Side	True	
Motor A Phase V Over Voltage Fault VH - High-Side	False	
Motor A Phase V Under Voltage Fault VH - High-Side	True	
Motor A Phase V Over Voltage Fault VL - High-Side	False	
Motor A Phase V Over Voltage Fault VDD - High-SideSide	False	
Motor A Phase V Under Voltage Fault VDD - High-Side	False	
Motor A Phase V Under Voltage Fault VL - High-Side	False	
Motor A Phase V Under Voltage Fault VL - Low-Side	False	
Motor A Phase V Over Voltage Fault VH - Low-Side	False	
Motor A Phase V Over Voltage Fault VDD - Low-Side	False	
Motor A Phase V Under Voltage Fault VDD - Low-Side	False	
Motor A Phase V Under Voltage Fault VH - Low-Side	True	
Motor A Phase V Over Voltage Fault VL - Low-Side	False	
Motor A Phase W Under Voltage Fault VH - High-Side	True	
Motor A Phase V Comm Error Low Voltage Regulator Fault - Low-Side	True	
Motor A Phase W Cross Conduction Fault - High-Side	False	
Motor A Phase V Comm Error High Voltage Regulator Fault - Low-Side	True	
Motor A Phase W Under Voltage Fault VL - High-Side	False	
Motor A Phase W Over Voltage Fault VH - High-Side	False	
Motor A Phase W Over Voltage Fault VH - Low-Side	False	
Motor A Phase W Over Voltage Fault VL - High-Side	False	
Motor A Phase W Under Voltage Fault VH - Low-Side	True	
Motor A Phase W Over Voltage Fault VDD - High-Side	False	
Motor A Phase W Under Voltage Fault VDD - High-Side	False	
Motor A Phase W Comm Error High Voltage Regulator Fault - High-Side	True	
Motor A Phase W Comm Error High Voltage Regulator Fault - Low-Side	True	
Motor A Phase W Over Voltage Fault VDD - Low-Side	False	
Motor A Phase W Over Voltage Fault VL - Low-Side	False	
Motor A Phase W Under Voltage Fault VL - Low-Side	False	
Motor A Phase W Under Voltage Fault VDD - Low-Side	False	
Inverter A Status Feedback	Inverter Faulted	
Original Odometer Value	3841.0	miles
RAM Stamps	29464	Min
Accelerator Pedal Position	0	%
Ignition Cycle Counter	0	
Engine Speed	0	rpm
Most Recent Odometer Value	3841.0	miles
Frequency Counter	1	
Engine Coolant Temperature	73	°F
Actual Torque - Motor A	0.000	Ft-Lbs
Available Motor Torque - Motor A	0.000	Ft-Lbs
Vehicle Speed	0.0000	MPH

Real time clock	11324206	sec
HV Battery SOC	25	%
RAM stamps keyOn	45	sec
Barometric Pressure	14	PSI
Electric Motor A Speed	0.0	rpm
Motor A - Inverter Current - phase A	-4	AMP
Motor A - Inverter Current - phase B	-4	AMP
Inverter A Input DC Current	0.0	AMP
Motor A - Inverter Current - phase C	0	AMP
Motor A Resolver Supply Voltage Value	03FD	Volts
Internal EPS Voltage Sense B	0.072	Volts
Battery Feed Voltage 3 Sense	13.248	Volts
Internal EPS Voltage Sense A	0.000	Volts
Battery Feed Voltage 2 Sense	13.392	Volts
PIM DC Link Voltage - B	6	Volts
PIM DC Link Voltage - A	2	Volts
Outside Air Temperature	71.6	°F
Passive Pump Coolant Temp In Sensor	73	°F
Low Temp Active Pump Speed	0	rpm
High Temp Aux Pump - Actual Speed	0	rpm
Battery Feed Voltage 1 Sense	13.392	Volts
Actual Torque - Motor B	0.000	Ft-Lbs
Available Motor Torque - Motor B	0.000	Ft-Lbs
Motor B - Inverter Current - phase B	-4	AMP
Available Regen Torque - Motor A	0.000	Ft-Lbs
Commanded Torque - Motor A	0.000	Ft-Lbs
Commanded Torque - Motor B	0.000	Ft-Lbs
Motor B - Inverter Current - phase A	-4	AMP
Available Regen Torque - Motor B	0.000	Ft-Lbs
Motor B Temp Sensor	77	°F
Motor B - Inverter Current - phase C	-4	AMP
Motor B Resolver Angle	146	Degree
Inverter A IGBT Temperature for phase A	73	°F
HV Battery Voltage from BPCM	180.00	Volts
Electric Motor B Speed	0.0	rpm
Inverter B IGBT Temperature for phase B	73	°F
Inverter B IGBT Temperature for phase C	72	°F
Inverter A IGBT Temperature for phase C	73	°F
Inverter B IGBT Temperature for phase A	73	°F
Inverter A IGBT Temperature for phase B	73	°F
Motor B Torque	0.000	Ft-Lbs
HV Battery Sleep Time	0	Days
Distance Travelled with Light ON	0	miles
Motor A Torque	0.000	Ft-Lbs

GPS Date - Year	2021	Year
GPS Date - Month	4	
UTC Time - Minutes	47	
GPS Date - Day	10	Days
UTC Time - Hours	6	Hours
ECU Time - Milliseconds	718	ms
UTC Time - Seconds	0	seconds

HCP | POA79-00 | Active | Drive Motor B Inverter Performance-

NAME	VALUE	UNITS
DTC	0A 79 00	
Test Failed	True	
Test Failed This Operation Cycle	True	
Test Not Completed Since Last Clear	False	
Confirmed DTC	True	
Pending DTC	True	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Occurrence flag	Occurrence	
Warning Indicator Requested	True	
PHEV Charging Status	No Charging	
Brake Switch Status	Not Applied	
Ignition State	Reserved	
PRND Position Display	P	
Propulsion System Active	False	
Commanded Inverter B State	Inverter Disabled	
Inverter B Status Feedback	Inverter Faulted	
Motor B Phase U Cross Conduction Fault - High-Side	False	
Motor B Phase U Short Fault - High-Side	False	
Motor B Phase U Thermal Warning Fault - High-Side	False	
Motor B Phase U Comm Error High Voltage Regulator Fault - High-Side	True	
Motor B Phase U Thermal Shutdown Fault - High-Side	False	
Motor B Phase U SPI Error Fault - High-Side	False	
Motor B Phase U Hardware Error Fault - High-Side	False	
Motor B Phase U Cross Conduction Fault - Low-Side	False	
Motor B Phase U Short Fault - Low-Side	False	
Motor B Phase U Over Current Fault - Low-Side	False	
Motor B Phase U Thermal Shutdown Fault - Low-Side	False	
Motor B Phase U Thermal Warning Fault - Low-Side	False	
Motor B Phase U Comm Error Low Voltage Regulator Fault - Low-Side	True	
Motor B Phase U Comm Error High Voltage Regulator Fault - Low-Side	True	
Motor B Phase U Hardware Error Fault - Low-Side	False	
Motor B Phase U SPI Error Fault - Low-Side	False	
Motor B Phase V Over Current Fault - High-Side	False	

Motor B Phase V Cross Conduction Fault - High-Side	False	
Motor B Phase V Short Fault - High-Side	False	
Motor B Phase V Thermal Shutdown Fault - High-Side	False	
Motor B Phase V Comm Error High Voltage Regulator Fault - High-Side	True	
Motor B Phase V Thermal Warning Fault - High-Side	False	
Motor B Phase V Comm Error Low Voltage Regulator Fault - High-Side	True	
Motor B Phase V SPI Error Fault - High-Side	False	
Motor B Phase V Hardware Error Fault - High-Side	False	
Motor B Phase V Short Fault - Low-Side	False	
Motor B Phase V Cross Conduction Fault - Low-Side	False	
Motor B Phase V Over Current Fault - Low-Side	False	
Motor B Phase V Thermal Shutdown Fault - Low-Side	False	
Motor B Phase V Comm Error High Voltage Regulator Fault - Low-Side	True	
Motor B Phase V Thermal Warning Fault - Low-Side	False	
Motor B Phase V Comm Error Low Voltage Regulator Fault - Low-Side	True	
Motor B Phase V SPI Error Fault - Low-Side	False	
Motor B Phase W Short Fault - High-Side	False	
Motor B Phase W Cross Conduction Fault - High-Side	False	
Motor B Phase V Hardware Error Fault - Low-Side	False	
Motor B Phase W Thermal Warning Fault - High-Side	False	
Motor B Phase W Over Current Fault - High-Side	False	
Motor B Phase W Comm Error High Voltage Regulator Fault - High-Side	True	
Motor B Phase W SPI Error Fault - High-Side	False	
Motor B Phase W Hardware Error Fault - High-Side	False	
Motor B Phase W Comm Error Low Voltage Regulator Fault - High-Side	True	
Motor B Phase W Cross Conduction Fault - Low-Side	False	
Motor B Phase W Short Fault - Low-Side	False	
Motor B Phase W Thermal Warning Fault - Low-Side	False	
Motor B Phase W Over Current Fault - Low-Side	False	
Motor B Phase W Comm Error Low Voltage Regulator Fault - Low-Side	True	
Motor B Phase W Thermal Shutdown Fault - Low-Side	False	
Motor B Phase W Comm Error High Voltage Regulator Fault - Low-Side	True	
Motor B Phase W Hardware Error Fault - Low-Side	False	
Motor B Phase W SPI Error Fault - Low-Side	False	
Hybrid System State	SNA	
CBC Wake-Up Input	Off	
EPT LOC Diag Enable	Enable LOC Diagnostic	
HCP ePT Wake-Up Output	On	
HV Contactor Status	Open	
APM Status	Idle	
Impact Event	False	
HCP System Shutdown Command	Default	
OBCM Operating Mode	UTC	
J1772 Prox Detected State	Prox Out	

Motor B Phase U Over Current Fault - High-Side	False	
Motor B Phase U Over Voltage Fault VH - High-Side	False	
Motor B Phase U Over Voltage Fault VL - High-Side	False	
Motor B Phase U Under Voltage Fault VL - High-Side	False	
Motor B Phase U Over Voltage Fault VDD - High-Side	False	
Motor B Phase U Under Voltage Fault VDD - High-Side	False	
Motor B Phase U Under Voltage Fault VH - High-Side	False	
Motor B Phase U Over Voltage Fault VH - Low-Side	False	
Motor B Phase U Under Voltage Fault VH - Low-Side	False	
Motor B Phase U Comm Error Low Voltage Regulator Fault - High-Side	True	
Motor B Phase U Over Voltage Fault VL - Low-Side	False	
Motor B Phase U Under Voltage Fault VL - Low-Side	False	
Motor B Phase U Over Voltage Fault VDD - Low-Side	False	
Motor B Phase U Under Voltage Fault VDD - Low-Side	False	
Motor B Phase V Over Voltage Fault VH - High-Side	False	
Motor B Phase V Under Voltage Fault VH - High-Side	False	
Motor B Phase V Under Voltage Fault VL - High-Side	False	
Motor B Phase V Over Voltage Fault VL - High-Side	False	
Motor B Phase V Over Voltage Fault VDD - High-Side	False	
Motor B Phase V Under Voltage Fault VDD - High-Side	False	
Motor B Phase V Under Voltage Fault VH - Low-Side	False	
Motor B Phase V Over Voltage Fault VH - Low-Side	False	
Motor B Phase V Under Voltage Fault VL - Low-Side	False	
Motor B Phase V Over Voltage Fault VL - Low-Side	False	
Motor B Phase V Under Voltage Fault VDD - Low-Side	False	
Motor B Phase V Over Voltage Fault VDD - Low-Side	False	
Motor B Phase W Over Voltage Fault VH - High-Side	False	
Motor B Phase W Under Voltage Fault VH - High-Side	False	
Motor B Phase W Over Voltage Fault VL - High-Side	False	
Motor B Phase W Over Voltage Fault VDD - High-Side	False	
Motor B Phase W Under Voltage Fault VL - High-Side	False	
Motor B Phase W Under Voltage Fault VDD - High-Side	False	
Motor B Phase W Thermal Shutdown Fault - High-Side	False	
Motor B Phase W Under Voltage Fault VH - Low-Side	False	
Motor B Phase W Over Voltage Fault VH - Low-Side	False	
Motor B Phase W Over Voltage Fault VL - Low-Side	False	
Motor B Phase W Under Voltage Fault VL - Low-Side	False	
Motor B Phase W Over Voltage Fault VDD - Low-Side	False	
Motor B Phase W Under Voltage Fault VDD - Low-Side	False	
Original Odometer Value	3841.0	miles
Frequency Counter	1	
Most Recent Odometer Value	3841.0	miles
Ignition Cycle Counter	0	
Real time clock	11324206	sec

RAM stamps keyOn	45	sec
RAM Stamps	29464	Min
Accelerator Pedal Position	0	%
Engine Speed	0	rpm
HV Battery SOC	25	%
Vehicle Speed	0.0000	MPH
Barometric Pressure	14	PSI
Engine Coolant Temperature	73	°F
Available Motor Torque - Motor B	0.000	Ft-Lbs
Actual Torque - Motor B	0.000	Ft-Lbs
Electric Motor B Speed	0.0	rpm
Inverter B Input DC Current	0.0	AMP
Motor B - Inverter Current - phase A	-4	AMP
Motor B - Inverter Current - phase C	-4	AMP
Motor B Resolver Supply Voltage Value	03FD	Volts
Motor B - Inverter Current - phase B	-4	AMP
Internal EPS Voltage Sense B	0.072	Volts
Battery Feed Voltage 2 Sense	13.392	Volts
Internal EPS Voltage Sense A	0.000	Volts
Battery Feed Voltage 1 Sense	13.392	Volts
Battery Feed Voltage 3 Sense	13.248	Volts
Actual Torque - Motor A	0.000	Ft-Lbs
Available Regen Torque - Motor A	0.000	Ft-Lbs
Available Motor Torque - Motor A	0.000	Ft-Lbs
Available Regen Torque - Motor B	0.000	Ft-Lbs
Commanded Torque - Motor A	0.000	Ft-Lbs
Motor A - Inverter Current - phase A	0	AMP
Commanded Torque - Motor B	0.000	Ft-Lbs
Motor A - Inverter Current - phase C	0	AMP
Motor A - Inverter Current - phase B	0	AMP
Motor A Resolver Angle	Invalid Value	Degree
Outside Air Temperature	71.6	°F
Motor A Temp Sensor	79	°F
HV Battery Voltage from BPCM	180.00	Volts
Electric Motor A Speed	0.0	rpm
PIM DC Link Voltage - A	2	Volts
Inverter A IGBT Temperature for phase A	73	°F
PIM DC Link Voltage - B	6	Volts
Inverter A IGBT Temperature for phase B	73	°F
Inverter A IGBT Temperature for phase C	73	°F
Inverter B IGBT Temperature for phase B	73	°F
Inverter B IGBT Temperature for phase C	72	°F
Inverter B IGBT Temperature for phase A	73	°F
Distance Travelled with Light ON	0	miles

Motor A Torque	0.000	Ft-Lbs
HV Battery Sleep Time	0	Days
Motor B Torque	0.000	Ft-Lbs
GPS Date - Year	2021	Year
GPS Date - Day	10	Days
GPS Date - Month	4	
UTC Time - Hours	6	Hours
UTC Time - Seconds	0	seconds
UTC Time - Minutes	47	
ECU Time - Milliseconds	712	ms

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

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

MemShare ARC Error Count- Core 1	03	
MemShare CRC Error Count- Core 0	02	
MCPB - MCPA SPI ARC Error Count	00	
HCP - MCPA SPI CRC Error Count	00	
External Watchdog Fault	False	
MainTPU_Flt	False	
Main Stack Fault	False	
Main Analog-to-Digital Converter Fault	False	
Main Clock Fault	False	
MAIN ALU Fault	False	
MAIN Detected SPI Fault	False	
Main Detected Seed Received In Wrong Order	False	
Hybrid System State	SNA	
HCP ePT Wake-Up Output	On	
HV Contactor Status	Open	
CBC Wake-Up Input	Off	
EPT LOC Diag Enable	Enable LOC Diagnostic	
Impact Event	False	
APM Status	Idle	
HCP System Shutdown Command	Default	
OBCM Operating Mode	UTC	
J1772 Prox Detected State	Prox Out	
Original Odometer Value	3841.0	miles
Most Recent Odometer Value	3841.0	miles
Frequency Counter	1	
RAM Stamps	29464	Min
RAM stamps keyOn	45	sec
Ignition Cycle Counter	0	
Real time clock	11324206	sec
Accelerator Pedal Position	0	%
HV Battery SOC	25	%
Engine Speed	0	rpm
Barometric Pressure	14	PSI
Engine Coolant Temperature	73	°F
Vehicle Speed	0.0000	MPH
Internal EPS Voltage Sense A	0.000	Volts
Internal EPS Voltage Sense B	0.072	Volts
Battery Feed Voltage 2 Sense	13.320	Volts
Battery Feed Voltage 1 Sense	13.320	Volts
Battery Feed Voltage 3 Sense	13.104	Volts
Actual Torque - Motor B	0.000	Ft-Lbs
Available Motor Torque - Motor A	0.000	Ft-Lbs
Actual Torque - Motor A	0.000	Ft-Lbs
Commanded Torque - Motor A	0.000	Ft-Lbs

Available Motor Torque - Motor B	0.000	Ft-Lbs
Available Regen Torque - Motor A	0.000	Ft-Lbs
Available Regen Torque - Motor B	0.000	Ft-Lbs
Motor A - Inverter Current - phase A	0	AMP
Motor A - Inverter Current - phase B	0	AMP
Commanded Torque - Motor B	0.000	Ft-Lbs
Motor B - Inverter Current - phase C	-4	AMP
Motor A - Inverter Current - phase C	0	AMP
Motor B - Inverter Current - phase A	-4	AMP
Motor B - Inverter Current - phase B	-4	AMP
Motor A Resolver Angle	90	Degree
Motor B Temp Sensor	77	°F
Motor B Resolver Angle	146	Degree
Motor A Temp Sensor	79	°F
Electric Motor B Speed	0.0	rpm
Outside Air Temperature	71.6	°F
HV Battery Voltage from BPCM	180.00	Volts
Electric Motor A Speed	0.0	rpm
PIM DC Link Voltage - A	2	Volts
PIM DC Link Voltage - B	6	Volts
Inverter A IGBT Temperature for phase C	73	°F
Inverter B IGBT Temperature for phase C	72	°F
Inverter B IGBT Temperature for phase A	73	°F
Inverter A IGBT Temperature for phase A	73	°F
Inverter A IGBT Temperature for phase B	73	°F
Inverter B IGBT Temperature for phase B	73	°F
Motor A Torque	0.000	Ft-Lbs
Motor B Torque	0.000	Ft-Lbs
Distance Travelled with Light ON	0	miles
GPS Date - Month	4	
HV Battery Sleep Time	0	Days
GPS Date - Year	2021	Year
UTC Time - Seconds	0	seconds
UTC Time - Minutes	47	
GPS Date - Day	10	Days
UTC Time - Hours	6	Hours
ECU Time - Milliseconds	776	ms

HCP | P1AEF-00 | Active | MCPB High Voltage Battery System Voltage High-

NAME	VALUE	UNITS
DTC	1A EF 00	
Test Failed	True	
Test Failed This Operation Cycle	True	
Pending DTC	True	

Test Failed Since Last Clear	True	
Test Not Completed Since Last Clear	False	
Confirmed DTC	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	True	
Occurrence flag	Occurrence	
Brake Switch Status	Not Applied	
PHEV Charging Status	No Charging	
PRND Position Display	P	
Ignition State	Reserved	
Propulsion System Active	False	
Commanded Inverter B State	Inverter Disabled	
Inverter B Status Feedback	Inverter Faulted	
Motor B Phase U Cross Conduction Fault - High-Side	False	
Motor B Phase U Short Fault - High-Side	False	
Motor B Phase U Thermal Shutdown Fault - High-Side	False	
Motor B Phase U Thermal Warning Fault - High-Side	False	
Motor B Phase U Comm Error High Voltage Regulator Fault - High-Side	True	
Motor B Phase U Hardware Error Fault - High-Side	False	
Motor B Phase U SPI Error Fault - High-Side	False	
Motor B Phase U Short Fault - Low-Side	False	
Motor B Phase U Over Current Fault - Low-Side	False	
Motor B Phase U Cross Conduction Fault - Low-Side	False	
Motor B Phase U Thermal Warning Fault - Low-Side	False	
Motor B Phase U Thermal Shutdown Fault - Low-Side	False	
Motor B Phase U SPI Error Fault - Low-Side	False	
Motor B Phase U Comm Error Low Voltage Regulator Fault - Low-Side	True	
Motor B Phase U Comm Error High Voltage Regulator Fault - Low-Side	True	
Motor B Phase V Short Fault - High-Side	False	
Motor B Phase U Hardware Error Fault - Low-Side	False	
Motor B Phase V Over Current Fault - High-Side	False	
Motor B Phase V Thermal Warning Fault - High-Side	False	
Motor B Phase V Cross Conduction Fault - High-Side	False	
Motor B Phase V Thermal Shutdown Fault - High-Side	False	
Motor B Phase V Comm Error High Voltage Regulator Fault - High-Side	True	
Motor B Phase V Comm Error Low Voltage Regulator Fault - High-Side	True	
Motor B Phase V SPI Error Fault - High-Side	False	
Motor B Phase V Hardware Error Fault - High-Side	False	
Motor B Phase V Cross Conduction Fault - Low-Side	False	
Motor B Phase V Short Fault - Low-Side	False	
Motor B Phase V Over Current Fault - Low-Side	False	
Motor B Phase V Comm Error High Voltage Regulator Fault - Low-Side	True	
Motor B Phase V Thermal Warning Fault - Low-Side	False	
Motor B Phase V Thermal Shutdown Fault - Low-Side	False	

Motor B Phase V SPI Error Fault - Low-Side	False	
Motor B Phase V Comm Error Low Voltage Regulator Fault - Low-Side	True	
Motor B Phase V Hardware Error Fault - Low-Side	False	
Motor B Phase W Cross Conduction Fault - High-Side	False	
Motor B Phase W Short Fault - High-Side	False	
Motor B Phase W Over Current Fault - High-Side	False	
Motor B Phase W Comm Error High Voltage Regulator Fault - High-Side	True	
Motor B Phase W Thermal Warning Fault - High-Side	False	
Motor B Phase W Comm Error Low Voltage Regulator Fault - High-Side	True	
Motor B Phase W SPI Error Fault - High-Side	False	
Motor B Phase W Short Fault - Low-Side	False	
Motor B Phase W Cross Conduction Fault - Low-Side	False	
Motor B Phase W Hardware Error Fault - High-Side	False	
Motor B Phase W Thermal Warning Fault - Low-Side	False	
Motor B Phase W Over Current Fault - Low-Side	False	
Motor B Phase W Thermal Shutdown Fault - Low-Side	False	
Motor B Phase W SPI Error Fault - Low-Side	False	
Motor B Phase W Comm Error High Voltage Regulator Fault - Low-Side	True	
Motor B Phase W Comm Error Low Voltage Regulator Fault - Low-Side	True	
Motor B Phase W Hardware Error Fault - Low-Side	False	
Hybrid System State	SNA	
HCP ePT Wake-Up Output	On	
EPT LOC Diag Enable	Enable LOC Diagnostic	
CBC Wake-Up Input	Off	
HV Contactor Status	Open	
APM Status	Idle	
HCP System Shutdown Command	Default	
Impact Event	False	
OBCM Operating Mode	UTC	
J1772 Prox Detected State	Prox Out	
Motor B Phase U Over Current Fault - High-Side	False	
Motor B Phase U Over Voltage Fault VH - High-Side	False	
Motor B Phase U Under Voltage Fault VH - High-Side	False	
Motor B Phase U Over Voltage Fault VL - High-Side	False	
Motor B Phase U Under Voltage Fault VL - High-Side	False	
Motor B Phase U Over Voltage Fault VDD - High-Side	False	
Motor B Phase U Under Voltage Fault VDD - High-Side	False	
Motor B Phase U Comm Error Low Voltage Regulator Fault - High-Side	True	
Motor B Phase U Over Voltage Fault VH - Low-Side	False	
Motor B Phase U Under Voltage Fault VH - Low-Side	False	
Motor B Phase U Over Voltage Fault VL - Low-Side	False	
Motor B Phase U Under Voltage Fault VL - Low-Side	False	
Motor B Phase U Over Voltage Fault VDD - Low-Side	False	
Motor B Phase U Under Voltage Fault VDD - Low-Side	False	

Motor B Phase V Under Voltage Fault VH - High-Side	False	
Motor B Phase V Over Voltage Fault VL - High-Side	False	
Motor B Phase V Over Voltage Fault VH - High-Side	False	
Motor B Phase V Under Voltage Fault VL - High-Side	False	
Motor B Phase V Over Voltage Fault VH - Low-Side	False	
Motor B Phase V Over Voltage Fault VDD - High-Side	False	
Motor B Phase V Under Voltage Fault VDD - High-Side	False	
Motor B Phase V Under Voltage Fault VH - Low-Side	False	
Motor B Phase V Over Voltage Fault VDD - Low-Side	False	
Motor B Phase V Over Voltage Fault VL - Low-Side	False	
Motor B Phase V Under Voltage Fault VL - Low-Side	False	
Motor B Phase W Over Voltage Fault VH - High-Side	False	
Motor B Phase V Under Voltage Fault VDD - Low-Side	False	
Motor B Phase W Under Voltage Fault VH - High-Side	False	
Motor B Phase W Over Voltage Fault VL - High-Side	False	
Motor B Phase W Under Voltage Fault VL - High-Side	False	
Motor B Phase W Over Voltage Fault VDD - High-Side	False	
Motor B Phase W Under Voltage Fault VDD - High-Side	False	
Motor B Phase W Over Voltage Fault VH - Low-Side	False	
Motor B Phase W Thermal Shutdown Fault - High-Side	False	
Motor B Phase W Under Voltage Fault VH - Low-Side	False	
Motor B Phase W Under Voltage Fault VL - Low-Side	False	
Motor B Phase W Over Voltage Fault VDD - Low-Side	False	
Motor B Phase W Over Voltage Fault VL - Low-Side	False	
Motor B Phase W Under Voltage Fault VDD - Low-Side	False	
Original Odometer Value	3841.0	miles
Frequency Counter	1	
Most Recent Odometer Value	3841.0	miles
Ignition Cycle Counter	0	
Real time clock	11324206	sec
RAM Stamps	29464	Min
RAM stamps keyOn	45	sec
Accelerator Pedal Position	0	%
HV Battery SOC	25	%
Engine Speed	0	rpm
Vehicle Speed	0.0000	MPH
Barometric Pressure	14	PSI
Engine Coolant Temperature	73	°F
Actual Torque - Motor B	0.000	Ft-Lbs
Inverter B Input DC Current	0.0	AMP
Motor B - Inverter Current - phase A	-4	AMP
Electric Motor B Speed	0.0	rpm
Available Motor Torque - Motor B	0.000	Ft-Lbs
Motor B - Inverter Current - phase B	-4	AMP

Battery Feed Voltage 2 Sense	13.392	Volts
Motor B Resolver Supply Voltage Value	03FD	Volts
Motor B - Inverter Current - phase C	-4	AMP
Internal EPS Voltage Sense B	0.072	Volts
Internal EPS Voltage Sense A	0.000	Volts
Battery Feed Voltage 1 Sense	13.392	Volts
Battery Feed Voltage 3 Sense	13.248	Volts
Actual Torque - Motor A	0.000	Ft-Lbs
Available Regen Torque - Motor A	0.000	Ft-Lbs
Available Motor Torque - Motor A	0.000	Ft-Lbs
Available Regen Torque - Motor B	0.000	Ft-Lbs
Commanded Torque - Motor A	0.000	Ft-Lbs
Commanded Torque - Motor B	0.000	Ft-Lbs
Motor A - Inverter Current - phase C	0	AMP
Motor A - Inverter Current - phase A	-4	AMP
Motor A - Inverter Current - phase B	4	AMP
Motor A Temp Sensor	79	°F
Motor A Resolver Angle	Invalid Value	Degree
Outside Air Temperature	71.6	°F
HV Battery Voltage from BPCM	180.00	Volts
Electric Motor A Speed	0.0	rpm
PIM DC Link Voltage - A	2	Volts
PIM DC Link Voltage - B	6	Volts
Inverter A IGBT Temperature for phase A	73	°F
Inverter A IGBT Temperature for phase C	73	°F
Inverter A IGBT Temperature for phase B	73	°F
Inverter B IGBT Temperature for phase A	73	°F
Inverter B IGBT Temperature for phase C	72	°F
Inverter B IGBT Temperature for phase B	73	°F
Distance Travelled with Light ON	0	miles
Motor A Torque	0.000	Ft-Lbs
Motor B Torque	0.000	Ft-Lbs
HV Battery Sleep Time	0	Days
GPS Date - Year	2021	Year
GPS Date - Month	4	
GPS Date - Day	10	Days
UTC Time - Hours	6	Hours
UTC Time - Minutes	47	
ECU Time - Milliseconds	735	ms
UTC Time - Seconds	0	seconds

ABS0 | C2222-00 | Stored | Improper Powerdown-

NAME	VALUE	UNITS
DTC	62 22 00	

Test Failed	False	
Test Failed This Operation Cycle	False	
Test Not Completed Since Last Clear	False	
Confirmed DTC	True	
Test Failed Since Last Clear	False	
Pending DTC	True	
Warning Indicator Requested	False	
Occurrence flag	ERROR	
Controller Event	No	
Test Not Completed This Operation Cycle	False	
Undervoltage Suspected	No	
Current System Mode	CAN active	
Mirror Memory	No	
System Condition	OK	
Brake Pedal Status	Released	
Previous System Mode	CAN active	
Rotation Direction Right Front	Forward	
Rotation Direction Left Front	Forward	
Rotation Direction Left Rear	Forward	
Rotation Direction Right Rear	Forward	
ABS control	Not active	
ASR control	Not active	
MSR control	Not active	
EBV control	Not active	
HSA control	Not active	
ESP Control	Not active	
Braking assistance system	No Assistance System Is Braking	
Plant Mode	No	
HBA control	Not active	
Hold	No	
BLS Low	Yes	
EPB Mode Status	Limp Home	
BLS High	No	
Park Brake	Not Activated	
Stop Coordinator Active	No	
Clutch	Not Activated	
ESP-OFF mode	No	
Actual Gear	P	
Transmission selector lever setting	P	
EPB Switch Status	Idle	
Status Parking Brake Right	Brake is in an Unknown State	
Status Parking Brake Left	Brake is in an Unknown State	
Ignition Cycle Counter	0	
Fault Time	0.00	S

Original Odometer Value	0	miles
Frequency Counter	1	
Most Recent Odometer Value	0	miles
Supply Voltage Valves	11.8	V
Supply voltage Pump	10.0	V
Wheel Speed Left Front	0.000	MPH
Brake Pedal Travel Sensor Position	0	%
Longitudinal Acceleration	0.00	m/s^2
Wheel Speed Right Front	0.000	MPH
Lateral Acceleration	0.00	m/s^2
Wheel Speed Right Rear	0.000	MPH
Wheel Speed Left Rear	0.000	MPH
Ignition Unfiltered	0.0	V
Primary Circuit Pressure	0.00	PSI
Steering Wheel Angle	0.00	°
Engine Speed	0.0	rpm
Yaw Rate	0.000	°/s
Accelerator Pedal Position	0.0	%
Supplier Internal Code	140	

SNAPSHOT DATA SUMMARY

No Snapshot Data available for P0AA4-00

No Snapshot Data available for P1E1B-00

No Snapshot Data available for P0652-00

No Snapshot Data available for P06B1-00

No Snapshot Data available for P06B4-00

No Snapshot Data available for P0A3F-00

No Snapshot Data available for P0A44-00

No Snapshot Data available for P0A78-00

No Snapshot Data available for P0A79-00

No Snapshot Data available for P16F9-00

No Snapshot Data available for P1AEF-00

No Snapshot Data available for C2222-00