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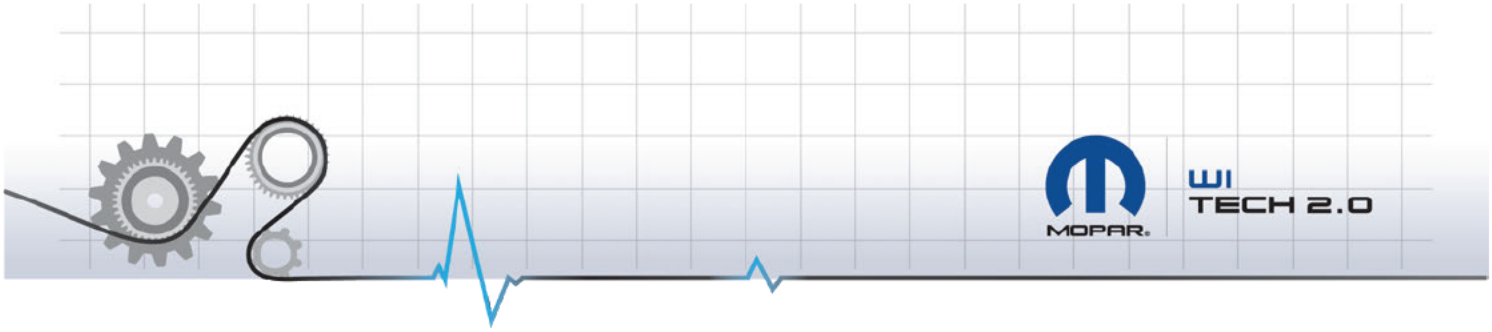


CONFIGURATION REPORT

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

Odometer 425.6 miles
Publication Date Apr 1, 2021, 3:05:58 PM

ECU SUMMARY INFO

ECU	NAME	BUS TYPE	FLASH PART #	CURREN[redacted]	ORIGINAL[redacted]	PART #
PCM	Powertrain Control Module	CAN-C	68499122AD	2C4RC1S	2C4RC1S7	68499122AD
PLGM	Power Liftgate	CAN-I	68466171AF	2C4RC1S	—	68466171AF
ICS	Integrated Center Stack	CAN-I	6XY201X8AA	2C4RC1S	2C4RC1S7	6XY201X8AA
RFH	Radio Frequency Hub	CAN-C	68500152AA	2C4RC1S	2C4RC1S7	68500152AA
ESM	Electronic Shifter	CAN-C	68240089AM	2C4RC1S	2C4RC1S7	68240089AM
ORC	Occupant Restraint	CAN-C	68480710AC	2C4RC1S	2C4RC1S7	68480710AC
EPS	Electric Power Steering	CAN-C	68460392AA	2C4RC1S	2C4RC1S7	68460392AA
HVAC	Heat, Ventilation and A/C	CAN-I	68493454AE	2C4RC1S	2C4RC1S7	68493454AE
DDM	Driver Door Module	CAN-I	68496461AB	2C4RC1S	2C4RC1S7	68496461AB
PDM	Passenger Door Module	CAN-I	68496460AB	2C4RC1S	2C4RC1S7	68496460AB
DMRL	Door Module Rear Left	CAN-I	68508894AB	2C4RC1S	2C4RC1S7	68508894AB
DMRR	Door Module Rear Right	CAN-I	68508894AB	2C4RC1S	2C4RC1S7	68508894AB
PSDML	Power Sliding Doors (Left)	CAN-I	68369596AD	2C4RC1S	2C4RC1S7	68369596AD
PSDMR	Power Sliding Doors (Right)	CAN-I	68369596AD	2C4RC1S	2C4RC1S7	68369596AD
MSM	Memory Seat Module	CAN-I	68321862AC	2C4RC1S	2C4RC1S7	68321862AC
CSWM	Comfort Seat Wheel Module	CAN-I	68517013AB	2C4RC1S	2C4RC1S7	68517013AB
AMP	Amplifier	CAN-I	68476878AA	2C4RC1S	2C4RC1S7	68476878AA
IPC	Instrument Panel Cluster	CAN-C	68434960AE	2C4RC1S	2C4RC1S7	68434960AE
PTS	Parktronics	CAN-C	68485851AA	2C4RC1S	2C4RC1S7	68485851AA
SCCM	Steering Column Control Module	CAN-C	68360889AD	2C4RC1S	2C4RC1S7	68360889AD
BCM	Body Controller	CAN-C	68491085AG	2C4RC1S	2C4RC1S7	68491085AG

ACC	Adaptive Cruise Control	CAN-C	68540436AA	2C4RC1S72	[redacted]	2C4RC1S7	68540436AA
RADIO	Radio	CAN-I	68465292AC	2C4RC1S72		2C4RC1S7	68465292AC
OCM	Occupant Classification	CAN-C	68403127AA	2C4RC1S72		2C4RC1S7	68403127AA
HVACR	Heat, Ventilation and A/C Rear	CAN-I	68373079AB	2C4RC1S72		2C4RC1S7	68373079AB
LBSS	Left Blind Spot Sensor	CAN-I	04672786AB	2C4RC1S72		2C4RC1S7	04672786AB
RBSS	Right Blind Spot Sensor	CAN-I	04672786AB	2C4RC1S72		2C4RC1S7	04672786AB
FFCM	Forward Facing Camera Module	CAN-C	68493395AA	2C4RC1S72		2C4RC1S7	68493395AA
APM	Accessory Power Module	CAN-C	05185046AB	2C4RC1S72		2C4RC1S7	05185046AB
BPCM	Battery Pack Control Module	CAN-C	05193183AE	2C4RC1S72		2C4RC1S7	05193183AE
HCP	Hybrid Control Processor	CAN-C	05185116AF	2C4RC1S72		2C4RC1S7	05185116AF
OBCM	On Board Charging Module	CAN-C	05185047AE	2C4RC1S72		2C4RC1S7	05185047AE
MSMP	Memory Seat Module - Passenger	CAN-I	68321862AC	2C4RC1S72		2C4RC1S7	68321862AC
DSM	Display Screen Module	CAN-I	68437339AD	2C4RC1S72		2C4RC1S7	68437339AD
RCCC	Rear Cabin Comfort Controls	CAN-I	6WL30DX9AA	2C4RC1S72		2C4RC1S7	6WL30DX9AA
EAC	Electric A/C Compressor	CAN-C	68237995AG	2C4RC1S72		2C4RC1S7	68237995AG
AHCP	Auxiliary Hybrid Control Processor	CAN-C	05185117AF	2C4RC1S72		2C4RC1S7	05185117AF
EBBM	Electronic Brake Booster Module	CAN-C	68461813AB	2C4RC1S72		2C4RC1S7	68461813AB
ABSO	Anti Lock Brakes OBD	CAN-C	68471122AD	2C4RC1S72		2C4RC1S7	68471122AD
SGW	Security Gateway Module	CAN-C	68488429AB			2C4RC1S7	68488429AB
TBM2	Telematic Box Module 2	CAN-C	68546266AB	2C4RC1S72		2C4RC1S7	68546266AB

ECU SUMMARY INFO (CONT...)

ECU	COUNTRY CODE	HARDWARE VERSION	SOFTWARE VERSION	IDENT	CVNS
PCM	USA	1B 47	75 00 01	4422	941DFC50
PLGM	USA	0	5269	000200000031	
ICS	USA	0F 0C 00	13 31 01	4700	
RFH	USA / USA	10 17 00	13 26 00	4A00	
ESM	USA / USA	0F 24 00	12 28 FF	4402	
ORC	USA / USA	12 1A 00	13 2E 00	4301	
EPS	USA / USA	12 2A 00	12 1E 01	4502	
HVAC	USA	0E 09 00	14 2F 01	4401	
DDM	USA	11 07 00	14 07 00	4202	

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

CONFIGURATION

PCM CONFIGURATION

NAME	VALUE	UNITS
Secondary Mass Airflow Sensor Equipped	False	
Active Exhaust Pressure Sensor Equipped	False	
Active Exhaust Valve(s) Equipped	False	
Electronic Parking Brake Equipped	True	
Heater Temp Control Valve Equipped	False	
Wastegate HBridge Equipped	False	
Aux Coolant Pump Heater Equipped	False	

Mechanical Coolant Pump Equipped	False	
High Side Port Tumble Valve Equipped	False	
Direct Injection Equipped	False	
Brake Pedal Sensor Equipped	False	
Active Engine Mount Equipped	False	
SRV Equipped	False	
Clutch Interlock Switch Equipped	False	
Mechanical Coolant Pump Heater Equipped	False	
2.0 Liter WI4 engine	False	
Transmission Software Included	False	
Sensorless FFV Enabled	False	
TIP Equipped	False	
5.7 Liter V8 Engine	False	
62TE	False	
Adaptive Cruise Control Hardware Equipped	False	
MDS Equipped	False	
Electric Thermostat Heater Equipped	False	
Rear Heater Equipped	False	
Unleaded Gasoline Fuel	True	
Knock Sensor 2 Equipped	True	
ETC Cruise equipped	False	
3.8 Liter V6 Engine	False	
ZF 9-Speed Transmission Equipped	False	
AC Equipped Over Bus	False	
VLP Is Learnable Indicator	False	
Power Steering Switch Equipped	False	
Primary Lin Alternator Equipped	False	
Tumble Generator Valve Equipped	False	
Fiat 940 Compact Equipped	False	
CUSW PROXI Write Programming Support Enabled	False	
Engine Software In Package	True	
Dual Fuel Pressure Sensor Equipped	False	
Wide Range O2 Sensor 1/1 Equipped	False	
66RFE / 68RFE	False	
A/C Equipped	True	
4 Speed Automatic Transmission Equipped	False	
Electronic Throttle Control Equipped	True	
O2 Sensor Bank 2 Sensor 2 Equipped	True	
Secondary Air Equipped	False	
High Side Port Tumble Valve Equipped	Undefined	
Shift Indicator Lamp Equipped	False	
3.3 Liter V6 Engine	False	
4.0 Liter I6 Engine	False	
Turbocharger Equipped	False	

45RFE / 545RFE / 65RFE	False	
3 Speed Fan Mechanical Relay System Equipped	False	
GPEC3 Equipped	False	
O2 Sensor Bank 2 Sensor 1 Equipped	True	
Constant Heater Temperature Control Valve Equipped	False	
Air Shutoff Valve Bank 1 Control Solenoid 2 Equipped	False	
Secondary Fuel Pump Equipped	False	
Aisin 6-Speed RWD Transmission Equipped	False	
Fixed displacement AC Equipped	True	
Air Shutoff Valve Bank 2 Control Solenoid 2 Equipped	False	
PTO System Equipped	False	
VMM Equipped	False	
O2 Sensor Bank 1 Sensor 2 Equipped	True	
Viscosity Sensor Equipped	False	
Transmission Oil Heater Equipped	False	
Electronic Vacuum Pump Equipped	False	
MultiAir Equipped	False	
6.2 Liter V8 Engine	False	
Auxiliary Coolant Pump Equipped	False	
Police Package Equipped	False	
Linear Purge Equipped	False	
DUAL_ALTERNATOR_GEN1_LEARNEDCOPY	False	
2.7 Liter V6 Engine	False	
Oil Pressure Sensor Enabled	True	
Exhaust Cam 1 Equipped	True	
MTV Solenoid Equipped	False	
GPEC4 Equipped	False	
Active Exhaust Valve Equipped	False	
WI4 Variable Valve Timing Equipped	True	
Exhaust Cam 2 Equipped	True	
Supercharger Equipped	False	
Adaptive Cruise Control Equipped	True	
Continuous Variable Transmission Equipped	False	
Powernet Equipped	True	
Low Temperature Radiator Coolant Pump Equipped	False	
TOOLCONFIG_OIL_PRESS_ABS_EQUIPPED	True	
3.7 Liter V6 Engine	False	
Port Flap Valve Equipped	False	
O2 Sensor Bank 1 Sensor 1 Equipped	True	
WI4 Intake Flow Control Valve Equipped	False	
GPEC2A Equipped	True	
Trans Skip Shift Equipped	False	
42RLE	False	
4 Button Integrated Cruise Control	False	

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

Knock Sensor 1 Equipped	True	
Humidity, Temperature and Pressure Sensor (LIN) Equipped	False	
VLP Equipped Indicator	False	
VFS Actuators Available Indicator	False	
Engine Stop Start Equipped	False	
1.0 Liter I3 Engine	False	
Variable Speed Fuel Pump Equipped	True	
Compressed Natural Gas Equipped	False	
ICC Cruise Equipped	False	
Coolant On-Off Pump Equipped	False	
3.6 Liter V6 Engine	True	
Unleaded diesel fuel	False	
2 Speed Fan 3 Driver 3 Relay System Equipped	False	
ESIM Equipped	False	
Variable Displacement AC Equipped	False	
4.7 Liter V8 Engine	False	
PWM Fan Motor System Equipped	True	
ERS Equipped Indicator	False	
Fiat VIN Learning Strategy Equipped	False	
Inrush Current Reduction Relay Equipped	False	
Intake Cam 1 Equipped	True	
2 Speed Fan Mechanical Relay System Equipped	False	
6.4 Liter V8 Engine	False	
6.1 Liter V8 Engine	False	
2.4 Liter WI4 engine	False	
Trans Reverse Lockout Equipped	False	
CUSW (11-Bit) Equipped	False	
Auxiliary Coolant Pump Heater Equipped	Undefined	
Electric Water Pump Equipped	False	
3.5 Liter V6 Engine	False	
Hybrid Electric Vehicle Equipped	True	
2 Speed Fan PWM Relay System Equipped	False	
Wastegate H-Bridge Equipped	Undefined	
1.8 Liter WI4 engine	False	
Operator Idle Speed Request Equipped	False	
Cylinder Pressure Sensor Equipped	False	
Throttle Inlet Temp Sensor Equipped	False	
Mass Airflow System Equipped	False	
Clutch Sensor Equipped	False	
Dual Fuel Pressure Sensor Equipped	False	
Make Up Air Sensor Equipped	False	
Bi-Directional Crank Sensor Equipped	True	
CUSW 4-Button Cruise Equipped	False	
SWAP HARDWIRED BRAKE SWITCH INPUTS	False	

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

ICS CONFIGURATION

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

RFH CONFIGURATION

NAME	VALUE	UNITS
Hardware Configuration: Trunk Door Handle H/W	Simple Switch AP	
Hardware Configuration: Remote Start Antenna	Present	
Hardware Configuration: Front Right Door Handle H/W	Serial AP	
Hardware Configuration: Front Left Door Handle H/W	Serial AP	
Hardware Configuration: Rear Right Door Handle H/W	No AP	
Hardware Configuration: Rear Left Door Handle H/W	No AP	
Valid Key In Ignition	Yes	
Fob Location #3 Successfully Programmed	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	Configured	
Driver Seat Track Position Sensor	Configured	
Second Row Left Seat Side Airbag	Not Configured	
Rollover Sensing	Configured	
Passenger Seatbelt Retractor Pretensioner	Configured	
Passenger Seatbelt Anchor Pretensioner	Configured	
Driver Seatbelt Anchor Pretensioner	Configured	
Left Side Seat Squib 1	Configured	
Driver Frontal Squib 3	Configured	
Passenger Seatbelt Load Limiter	Configured	
Passenger Occupant Detection Sensor	Not Configured	
Passenger Seatbelt Buckle Pretensioner	Not Configured	
Second Row Left seat belt Switch	Not Configured	
Left B-Pillar Impact Acceleration Sensor	Configured	
Right Up-Front Acceleration Sensor	Configured	
Configuration Column Identifier	A3	
Passenger Airbag Disable Indicator	Not Configured	
Passenger Frontal Squib 1	Configured	
Driver Frontal Squib 1	Configured	
Passenger Frontal Squib 3	Configured	
Right Side Seat Squib 1	Configured	
Second Row Right seat belt Switch	Not Configured	
Left Up-Front Acceleration Sensor	Configured	
Right Curtain Squib 1	Configured	

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

EPS CONFIGURATION

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

HVAC CONFIGURATION

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

PDM CONFIGURATION

NAME	VALUE	UNITS
Frameless Window	False	

PSDML CONFIGURATION

NAME	VALUE	UNITS
VSIM Status	False	

PSDMR CONFIGURATION

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

MSM CONFIGURATION

NAME	VALUE	UNITS
Adjustable Pedals	False	
Telescope/Tilt	False	

CSWM CONFIGURATION

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

AMP CONFIGURATION

NAME	VALUE	UNITS
Current EQ Checksum	AE CC 9B 99	
Left/Right Hand Drive	Left Hand Drive	
ANC Status	Off - Window Mute	
Premium - 3	False	
Premuim - 1 (8 channel)	False	
Premuim - 2 (12 Channel)	True	
Non -ANC	False	
Teen Key Present	False	
Current ANC Calibration ID - Service	RU PHEV 3.6L: Tripane Sunroof & Alpine AMP	
Sub-EQ Set Selected	Sub-EQ#6 Selected	
Cabin Equalization Curve Number	52	

Surround Sound Activated	Set	
Door Module - Right Rear	Present	
Door Module - Left Front	Present	
Door Module - Left Rear	Present	
Door Module - Right Front	Present	
ANC Calibration Date - Year	16	
ANC Calibration Date - Week	24	
ANC Calibration Date - Patch Level	0	

IPC CONFIGURATION

NAME	VALUE	UNITS
PHEV	True	
Rear Fog Lamp	False	

PTS CONFIGURATION

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

SCCM CONFIGURATION

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

BCM CONFIGURATION

NAME	VALUE	UNITS
Number of Reprogramming Attempts - Counter #0	1	
Last Programmed Status	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	Rear / REAR	
Country Code	USA	
Model Year	2021	
Maximum Vehicle Speed	0	MPH
Left/Right Hand Drive	Left Hand Drive	
Select Speed Control Feature Present	Not Set	
Remote Start Present	Set	
Hill Descent Feature Present	Not Set	
Auto Highbeam	Set	
Shifter Type	5 Position Rotary Eshifter PRNDL / Type RS5L	
Emode Present	Not Set	
Performance Pages Present	Not Present	
Off Road Capable	Not Set	
Cruise Feature is Present	Not Set	

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

Transfer Case Low Range Reduction Ratio	0.000	
Axle Ratio	3.251	
Transfer Case High Ratio	1.000	No Unit
Dynamic Tire Circumference (All or Rear)	89	inch
Steering Ratio at Negative Angle 1	0.0	No Unit
Analog Door Sensor Configuration	Driver Door Only Analog Sensor	
Air Quality System Present	Not Set	
Connector E Pin 8: PHEV HCP Hardwire Wakeup	Set	
Connector G Pin 24 (Internally tied to Connector F Pin 7): Ambient Lighting Output	Set	
Connector D Pin 22/ Connector D Pin 23: Ambient Temperature Signal/Return Present	Set	
Connector F Pin 23: Door Lock Switch Signal Front Passenger Present	Set	
Connector F Pin 29: Horn Switch Present	Set	
Connector D Pin 11: Stop/Turn Trailer Tow Left Output Present	Not Set	
Connector D Pin 7: Stop/Turn Trailer Tow Right Output Present	Not Set	
Connector E Pin 48 (Tied internally to Connector A Pin16): Rear Wiper Motor Control Output Present	Set	
Connector D Pin 9: Trailer Tow Backup Output Present	Not Set	
Connector G Pin 15: UGDO Feed Output Present	Set	
Connector A Pin 3/Connector D Pin 2: Low Beam Output Present	Set	
Connector E Pin 5: PHEV Fuel Door Switch Input	Set	
Connector F Pin 4: Liftgate Release Present	Not Set	
Connector E Pin 29: Rear Wiper Motor Park Signal Present	Set	
Connector G Pin 22: VTA Warning LED Output Present	Set	
Connector E Pin 9: Run-ACC Y Relay #2 Output Present	Set	
Connector E Pin 41: Charge Port Unlock Output Present	Set	
Connector E Pin 11: Vacuum Switch Input	Not Set	
Connector F Pin 8 : Liftgate Release Outside Handle Switch Present	Not Set	
Connector F Pin 6: Fuel Door Motor Output Signal Present	Set	
Connector G Pin 9: Ambient Light Dimmer Wheel Input Present	Set	
Connectro E Pin 37: Right HID Control Output Present	Not Set	
Connector E Pin 34: Vacuum Cleaner Relay Output Present	Not Set	
Connector F Pin 9: Analog Door Ajar Signal Front Driver Present	Set	
Connector A Pin 11: Hood Ajar Switch Input Present	Set	
Connector D Pin 12: PHEV ECM Hardwire Wake Up Output Present	Set	
Connector E Pin 4/Connector F Pin 32: Rear Park Lamps Output Present	Set	
Connector E Pin 3/Connector F Pin 42: Rear Turn Lamps Output Present	Not Set	
Connector D Pin 10: Trailer Tow Tail Lamp Output Present	Not Set	
Connector E Pin 7: Left HID Relay Control Output Present	Not Set	
Connector F Pin 35: Inverter Enable Relay Output Present	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	Set	
Front Park Assist Present	Set	
Surround Sound Feature Present	Set	
Power Inverter Present	Not Set	
Microphone Type	Peiker 300 mv	
Antenna Type	Active Primary and no secondary antenna	
Front Heated Seats Present	Set	
Cabin Equilization Curve Number	RU Premium System - Alpine 12ch	
Microphone Tuning Parameter	Absent [Not Used]	
Heated Steering Wheel Present	Set	
Destination	United States of America	
Microphone Configuration	2 Microphones	
Power Door Locks Present	Set	
Disable CD Eject	Not Set	
Fleet Vehicle Content	Not Set	
AP4 Right Rear	CAN	
Tip Start Present	Set	
Airport Scenario Trunk	Not Set	
AP2 Right Front	Smart Switch	
AP5 Trunk Lock	Simple Switch	
AP3 Left Rear	CAN	
Vehicle Variant	Undefined	
AP1 Left Front	Smart Switch	
AP5 Trunk Unlock	CAN	
Passenger Window Lockout	Not Set	
Blindspot Mirror Present	Set	
Heated Mirrors Present	Set	
Window Hall Sensors Present	Not Set	
Passenger Memory Mirror Present	Set	
Puddle Lamp Present	Not Set	
Electro-chromatic driver mirror present	Set	
Sun Shade	Not Set	
Mirror turn signals present	Set	
Electro-chromatic passenger mirror present	Not Set	
Tow Mirror Present	Not Set	
Folding mirrors present	Set	
Global Down	Not Set	
Frameless Window Present	Not Set	
Window Motor Type	Not Set	
Driver Memory Mirrors Present	Set	
Global Up	Not Set	

Rear Door Pre Short Drop	Not Set	
Stow 'n Assist Present - Passenger	Set	
Memory Adjustable Pedals Present	Not Set	
Heated Steering Wheel Present	Present	
Heated Wheel Material Type	Full Leather	
Heated Seat Material Type	Base Leather	
Front Vented Seats Present	Present	
Rear Heated Seats Present	Not Present	
Stow 'n Assist Present - Driver	Set	
Tilt/Telescope Steering Present	Not Set	
Driver Memory Seat Present	Set	
Brake System ECU Configuration A	value 0	
Dual Alternator Present	Not Set	
ECO Mode Configuration	Remember Previous State with Ignition Key Cycle	
Max Engine Off Time	220	Time
Connector E Pin 3: Left Rear Turn Signal	Left Rear Turn Signal	
Connector F Pin 29: Horn Switch Present	Horn Switch Input	
Humidy Sensor Long Present	Set	
Connector F Pin 13: Left Sliding Door Switch Input (B-Pillar)	Left B-Pillar sliding Door Switch	
Heatsoak Speed	15	Counter
License Plate Lamp Disable	Not Set	
Engine Off Clear Time	180	Time
CHMSL Lamp Output Disable	Not Set	
Ambient Stable Counter Limit	40	Counter
Conncetor F Pin 33: Fuel Door Unlock (BUX)	Not Present	
Connector F Pin 14: Right Sliding Door Switch Input (B-Pillar)	Right B-Pillar Sliding Door Switch	
Connector F Pin 37: Vacuum Cleaner Power Saver Indicator	Not Present	
Connector F Pin 34: Spare HSD	Not Present	
Connector F Pin 30: Fuel Door Lock (BUX)	Not Present	
Connector G Pin11/Connector G Pin 12: Not Used	ERS	
Heatsoak Flush Time	105	Time
Connector E Pin 48 (Tied internally to Connector A Pin16): Rear Wiper Motor Control Output Present	Rear Wiper (0)	
Auto High Beam Module Location	HaLF	
Connector E Pin 39: Right Rear Turn Signal	Right Rear Turn Signal	
Manual Door Locks Present	Not Set	
Connector E Pin 28: Secondary Door Ajar Switch Present - PIN E-28	Set	
Heatsoak Set Time	15	Time
Rain Sensor Module #2 Present	Set	
Connector F Pin 15: Driver Door Lock Switch Input	Not Present	
Average Last Longitudinal Acceleration Values	No Averaging	
Nose Dive Threshold	Filter Off	
Acceleration Threshold	Filter Off	
Excess Lateral Acceleration Factor	Filter Off	

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

ABS	Not Set	
RFH	Set	
ORC	Set	
SCCM	Set	
TCM	Not Set	
PTS	Set	
ESL	Not Set	
ESM	Set	
ABSO	Set	
PCM	Set	
FFCM	Set	
Rear View Camera Dynamic Grid Lines Enabled	Set	
Rear View Camera Static Grid Lines Enabled	Not Set	
Ultrasonics	Not Set	
Siren	Not Set	
Tilt	Not Set	
HCP	Set	
OBCM	Set	
APM	Set	
ESM	Set	
AHCP	Set	
EAC	Set	
ECM	Set	
BPCM	Set	
ORC	Set	
EBCM	Set	
ESC	Set	
1st Row Seat Side Airbags Present	True	
Integrated EPP Present	False	
Passive Ped Pro Present	False	
Driver Kneebag Present	True	
Passenger Kneebag Present	True	
Tow Hooks Present	False	
BUX Market	False	
ODS Present	False	
Curtain Airbags Present	True	
IBS Minimal Charge Limit	10	AmpHrs
Battery Type II	22	
Battery Types	SNA	
IBS Minimum Charge Limit	600	mA
IBS Activate MWU	Not Set	
IBS Minimum Voltage Limit	5.0	Volts
IBS Quiescence Current Limit	-250	mA
Illuminated Approach Headlamp Target Percentage	125 (62.5%)	

Alert On System Fault	Set	
Panic Enable	Set	
CRVMM Present	Set	
Auto Relock Time	60	seconds
HFRM Present	Set	
IBS Present	Set	
Illuminated Approach Taillamp Target Percentage	125 (62.5%)	
Washer Fluid Level Voltage Threshold	4.46 volts	
Humidity Sensor Present	Set	
Fobik Safe Alerts Per Ignition Cycle	2	
Compass Mounting Orientation	Rightside up	
Illuminated Approach Interior Lighting Ramp Up Time	130(2600ms)	
Compass Mounting Angle	0	Degree
Alert On Search Timeout	Set	
EVIC SWS Module Present	Set	
Alert no Reply	Set	
VTA System Present	VTA	
OHC Module Present	Set	
Illuminated Approach Interior Lighting Target Percentage	100(50%)	
Sound Horn on Lock	Set	
Headlamps on with Wipers	Set	
Auto Unlock	Set	
Auto Highbeam	Set	
Sound Horn On Lock Status	Chirp on 1st press/FIRST	
Headlamp Delay Time	30	seconds
Unlock all doors on 1st press	Set	
Sound Horn on Remote Start	Set	
Daytime Running Lamps	Set	
Sliding Door Alert	Not Set	
Sliding Door Chime Enable	Set	
Accessory Delay Time	45	seconds
Hands Free Sliding Door Enable	Set	
Illuminated Approach Time	30	seconds
Flash Lamps on Lock	Set	
Auto Wipers	Set	
Auto Lock	Set	
Right Front Corner Voltage	13.4 Volts	
Left Rear Corner Voltage	14 Volts	
Right High Beam Voltage Regulation	13.8 Volts	
Auto Headlamp Off Threshold	2.54930	Volt
Left High Beam Voltage Regulation	13.6 Volts	
Right Low Beam Voltage Regulation	14 Volts	
Left Front Corner Voltage	13.2 Volts	
Right Rear Corner Voltage	14 Volts	

Auto Headlamp On Threshold	3.31409	Volt
Front Park/Turn Voltage	Park to Turn ratio 55 Percent	
Left Low Beam Voltage Regulation	13.6 Volts	
MSM	Set	
PSDML	Set	
DTV	Not Set	
AMP	Set	
MSMP	Set	
PDM	Set	
BCM (Interior Bus)	Set	
ITM	Not Set	
HVACR	Set	
HSM	Set	
DMRR	Set	
ICS	Set	
DSM	Set	
DDM	Set	
PLGM	Set	
ANC	Not Set	
PSDMR	Set	
HVAC	Set	
CVPM	Not Set	
FSM	Not Set	
EAM	Set	
Radio	Set	
EOMR	Set	
EDM	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	6T4EMDW0	
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)	Left Hand Drive/ LHD	
CFG FEATURE	CFG_NONE	
Teen Key (RU variant only)	No	

RBSS CONFIGURATION

NAME	VALUE	UNITS
Teen Key (RU variant only)	No	
Steering Variant (LHD/RHD)	Left Hand Drive/ LHD	

FFCM CONFIGURATION

NAME	VALUE	UNITS
Traceability info	02203294540213	
XCP Enabled	False	
HIL mode Enabled	False	
Traceability info	11203359915504	

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

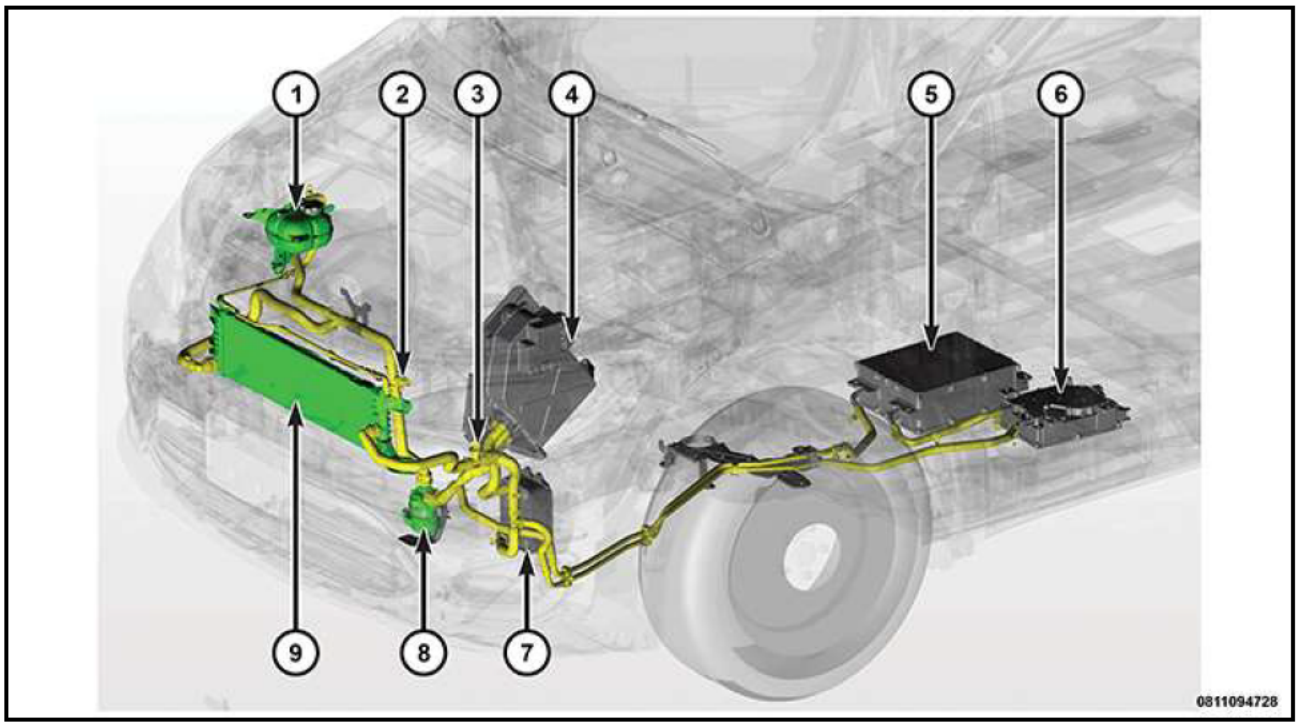
NAME	VALUE	UNITS
Engine Displacement	3.6	No Unit
ESC BLA Enabled	False	
PN ESC Byte2	0	
PN ESC Byte1	0	
Drive Configuration	2WD Front	
Dynamic Tire Circumference	89	inch
VC Chassis Type	Type 8	
Axle Ratio	3.251	No Unit
Hardwired VSO	True	
ACC	True	
Multiple Pressure Sensors	True	
Rear Directional Sensors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

EPB	True

07 - Cooling / Power Electronics / Description and Operation

DESCRIPTION AND OPERATION

DESCRIPTION



PHEV Power Electronics Cooling System			
1	Pressurized Coolant Bottle (Refer to 07 - Cooling/Engine/Power Electronics/BOTTLE, Pressurized Coolant/Description and Operation)	6	Accessory Power Module (APM) (Refer to 08 - Electrical/8E - Electronic Control Modules/MODULE, Auxiliary Power (APM) /Description and Operation)
2	Passive Coolant Pump Inlet Temperature Sensor (Refer to 07 - Cooling/Engine/Power Electronics/SENSOR, Passive Pump Inlet Temperature/Description and Operation)	7	Transmission Cooler (Refer to 07 - Cooling/Engine/Power Electronics/COOLER, Transmission/Description and Operation)
3	Low Temperature Radiator Coolant Inlet Temperature Sensor (Refer to 07 - Cooling/Engine/Power Electronics/SENSOR, Low Temperature Radiator Inlet Temperature/Description and Operation)	8	Low Temperature Passive Coolant Pump (PCP) (Refer to 07 - Cooling/Engine/Power Electronics/PUMP, Power Electronics Coolant/Description and Operation)
4	Power Inverter Module (PIM) (Refer to 08 - Electrical/8E - Electronic Control Modules/MODULE, Power Inverter/Description and Operation)	9	Low Temperature Radiator (Refer to 07 - Cooling/Engine/Power Electronics/RADIATOR, Power Electronics Coolant/Description and Operation)
5	On-Board Charging Module (OBCM) (Refer to 08 - Electrical/8E - Electronic Control Modules/MODULE, Onboard Charging (OBCM) /Description and Operation)		

The Plug-In Hybrid Electric Vehicle (PHEV) Power Electronics Coolant Loop removes heat generated by the electric drive controls which include the Accessory Power Module (APM), On-Board Power module (OBCM), Power Inverter Module (PIM) and the EVT 4-speed automatic transmission containing the two e-Motors.

OPERATION

The Plug-In Hybrid Electric Vehicle (PHEV) Power Electronics Coolant Loop removes heat generated by the electric drive controls and also has a heat exchanger to provide transmission cooling.

VEHICLE SCAN REPORT

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

Odometer 425.6 miles
Publication Date Apr 1, 2021, 2:58:37 PM

ECU SUMMARY INFO

ECU	NAME	BUS TYPE	FLASH PART #	CURRENT [redacted]	ORIGINAL [redacted]	PART #
PCM	Powertrain Control Module	CAN-C	68499122AD	2C4RC1S7	2C4RC1S7	68499122AD
PLGM	Power Liftgate	CAN-I	68466171AF	2C4RC1S7	—	68466171AF
ICS	Integrated Center Stack	CAN-I	6XY201X8AA	2C4RC1S7	2C4RC1S7	6XY201X8AA
RFH	Radio Frequency Hub	CAN-C	68500152AA	2C4RC1S7	2C4RC1S7	68500152AA
ESM	Electronic Shifter	CAN-C	68240089AM	2C4RC1S7	2C4RC1S7	68240089AM
ORC	Occupant Restraint	CAN-C	68480710AC	2C4RC1S7	2C4RC1S7	68480710AC
EPS	Electric Power Steering	CAN-C	68460392AA	2C4RC1S7	2C4RC1S7	68460392AA
HVAC	Heat, Ventilation and A/C	CAN-I	68493454AE	2C4RC1S7	2C4RC1S7	68493454AE
DDM	Driver Door Module	CAN-I	68496461AB	2C4RC1S7	2C4RC1S7	68496461AB
PDM	Passenger Door Module	CAN-I	68496460AB	2C4RC1S7	2C4RC1S7	68496460AB
DMRL	Door Module Rear Left	CAN-I	68508894AB	2C4RC1S7	2C4RC1S7	68508894AB
DMRR	Door Module Rear Right	CAN-I	68508894AB	2C4RC1S7	2C4RC1S7	68508894AB
PSDML	Power Sliding Doors (Left)	CAN-I	68369596AD	2C4RC1S7	2C4RC1S7	68369596AD
PSDMR	Power Sliding Doors (Right)	CAN-I	68369596AD	2C4RC1S7	2C4RC1S7	68369596AD
MSM	Memory Seat Module	CAN-I	68321862AC	2C4RC1S7	2C4RC1S7	68321862AC
CSWM	Comfort Seat Wheel Module	CAN-I	68517013AB	2C4RC1S7	2C4RC1S7	68517013AB
AMP	Amplifier	CAN-I	68476878AA	2C4RC1S7	2C4RC1S7	68476878AA
IPC	Instrument Panel Cluster	CAN-C	68434960AE	2C4RC1S7	2C4RC1S7	68434960AE
PTS	Parktronics	CAN-C	68485851AA	2C4RC1S7	2C4RC1S7	68485851AA
SCCM	Steering Column Control Module	CAN-C	68360889AD	2C4RC1S7	2C4RC1S7	68360889AD
BCM	Body Controller	CAN-C	68491085AG	2C4RC1S7	2C4RC1S7	68491085AG

ACC	Adaptive Cruise Control	CAN-C	68540436AA	2C4RC1S7	[redacted]	2C4RC1S7	68540436AA
RADIO	Radio	CAN-I	68465292AC	2C4RC1S7		2C4RC1S7	68465292AC
OCM	Occupant Classification	CAN-C	68403127AA	2C4RC1S7		2C4RC1S7	68403127AA
HVACR	Heat, Ventilation and A/C Rear	CAN-I	68373079AB	2C4RC1S7		2C4RC1S7	68373079AB
LBSS	Left Blind Spot Sensor	CAN-I	04672786AB	2C4RC1S7		2C4RC1S7	04672786AB
RBSS	Right Blind Spot Sensor	CAN-I	04672786AB	2C4RC1S7		2C4RC1S7	04672786AB
FFCM	Forward Facing Camera Module	CAN-C	68493395AA	2C4RC1S7		2C4RC1S7	68493395AA
APM	Accessory Power Module	CAN-C	05185046AB	2C4RC1S7		2C4RC1S7	05185046AB
BPCM	Battery Pack Control Module	CAN-C	05193183AE	2C4RC1S7		2C4RC1S7	05193183AE
HCP	Hybrid Control Processor	CAN-C	05185116AF	2C4RC1S7		2C4RC1S7	05185116AF
OBCM	On Board Charging Module	CAN-C	05185047AE	2C4RC1S7		2C4RC1S7	05185047AE
MSMP	Memory Seat Module - Passenger	CAN-I	68321862AC	2C4RC1S7		2C4RC1S7	68321862AC
DSM	Display Screen Module	CAN-I	68437339AD	2C4RC1S7		2C4RC1S7	68437339AD
RCCC	Rear Cabin Comfort Controls	CAN-I	6WL30DX9AA	2C4RC1S7		2C4RC1S7	6WL30DX9AA
EAC	Electric A/C Compressor	CAN-C	68237995AG	2C4RC1S7		2C4RC1S7	68237995AG
AHCP	Auxiliary Hybrid Control Processor	CAN-C	05185117AF	2C4RC1S7		2C4RC1S7	05185117AF
EBBM	Electronic Brake Booster Module	CAN-C	68461813AB	2C4RC1S7		2C4RC1S7	68461813AB
ABSO	Anti Lock Brakes OBD	CAN-C	68471122AD	2C4RC1S7		2C4RC1S7	68471122AD
SGW	Security Gateway Module	CAN-C	68488429AB			2C4RC1S7	68488429AB
TBM2	Telematic Box Module 2	CAN-C	68546266AB	2C4RC1S7		2C4RC1S7	68546266AB

ECU SUMMARY INFO (CONT...)

ECU	COUNTRY CODE	HARDWARE VERSION	SOFTWARE VERSION	IDENT	CVNS
PCM	USA	1B 47	75 00 01	4422	941DFC50
PLGM	USA	0	5269	000200000031	
ICS	USA	0F 0C 00	13 31 01	4700	
RFH	USA / USA	10 17 00	13 26 00	4A00	
ESM	USA / USA	0F 24 00	12 28 FF	4402	
ORC	USA / USA	12 1A 00	13 2E 00	4301	
EPS	USA / USA	12 2A 00	12 1E 01	4502	
HVAC	USA	0E 09 00	14 2F 01	4401	
DDM	USA	11 07 00	14 07 00	4202	

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

DTC SUMMARY

ECU	DTC CODE	DTC DESCRIPTION	STATUS
PLGM	B1975-00	Power Liftgate Latch Cinch - Ratchet Secondary Switch Performance-	Stored
HVAC	B10EB-00	Blower Power Module-	Stored
BCM	U151A-87	Hybrid Control Processor Secret Code-Missing Message	Stored
HCP	P0513-00	Invalid SKIM Key-	Stored
HCP	P0A3D-00	Drive Motor B Inverter Over Temperature-	Stored
HCP	P0BF6-00	Drive Motor B Inverter Phase V Current Sensor Circuit Range/Performance-	Stored
HCP	P0BFA-00	Drive Motor "B" Phase W Current Sensor Circuit Range/Performance-	Stored
HCP	P0BFC-00	Drive Motor B Inverter Phase W Current Sensor Circuit High-	Stored

HCP	P0BFE-00	Drive Motor B Phase U-V-W Current Sensor Correlation-	Stored
HCP	P0C04-00	Drive Motor B Current High-	Stored
HCP	P0C1A-00	Drive Motor B Torque Delivered Performance-	Stored
HCP	P16F9-00	HCP Internal - Shutdown Performance-	Stored
HCP	P1AEE-00	MCPA HV Battery System Voltage High-	Stored
HCP	P1AEF-00	MCPB High Voltage Battery System Voltage High-	Stored
DSM	B156D-00	Low Voltage Differential Signal (LVDS) Video Cable-	Stored

ENVIRONMENTAL DATA SUMMARY

PLGM | B1975-00 | Stored | Power Liftgate Latch Cinch - Ratchet Secondary Switch Performance-

NAME	VALUE	UNITS

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

NAME	VALUE	UNITS
Test Failed	False	
Test Failed This Operation Cycle	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Pending DTC	False	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
Occurrence flag	Error	
Most Recent Odometer Value	239	miles
Original Odometer Value	239	miles
Test Failed Since Last Clear	True	
Frequency Counter	1	
Ignition Cycle Counter	49	

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

NAME	VALUE	UNITS
Pending DTC	False	
Test Failed	False	
Test Failed This Operation Cycle	False	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Confirmed DTC	True	
Occurrence flag	Error	
DTC Extended Data Record Number - All	01	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
Ignition Cycle Counter	29	
Original Odometer Value	398	miles
Frequency Counter	1	

Most Recent Odometer Value	398	miles

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

NAME	VALUE	UNITS
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
DTC	05 13 00	
Test Failed	False	
Pending DTC	False	
Test Failed This Operation Cycle	False	
Confirmed DTC	True	
Warning Indicator Requested	False	
Occurrence flag	Occurrence	
Test Not Completed This Operation Cycle	False	
Brake Switch Status	Not Applied	
PRND Position Display	P	
Ignition State	Ignition Off/ACC	
Propulsion System Active	False	
HCP System Shutdown Command	Default	
CBC Wake-Up Input	On	
Impact Event	False	
EPT LOC Diag Enable	Disable LOC Daignostic	
HCP ePT Wake-Up Output	On	
SW Build Release Version	PIM_21B_2007B0_RU_HCP___	
APM Status	Idle	
OBCM Operating Mode	UTC	
HV Contactor Status	Closed	
HCP SW Version	21B	
J1772 Prox Detected State	Prox Out	
Hybrid System State	SNA	
PHEV Charging Status	No Charging	
Most Recent Odometer Value	401.4	miles
Frequency Counter	1	
Ignition Cycle Counter	3	
Original Odometer Value	401.4	miles
Real time clock	8995986	sec
RAM stamps keyOn	0	sec
Vehicle Speed	0.0000	MPH
HV Battery SOC	75	%
Engine Speed	0	rpm
Accelerator Pedal Position	0	%
RAM Stamps	3060	Min
Motor B Temp Sensor	57	°F
Barometric Pressure	14	PSI

Internal EPS Voltage Sense A	8.136	Volts
Actual Torque - Motor A	0.000	Ft-Lbs
Actual Torque - Motor B	0.092	Ft-Lbs
Available Motor Torque - Motor B	116.150	Ft-Lbs
Available Regen Torque - Motor A	-43.603	Ft-Lbs
Engine Coolant Temperature	54	°F
Motor A Temp Sensor	55	°F
Available Regen Torque - Motor B	-116.150	Ft-Lbs
Motor A - Inverter Current - phase B	0	AMP
Motor A - Inverter Current - phase A	0	AMP
Internal EPS Voltage Sense B	8.136	Volts
Motor B - Inverter Current - phase C	-4	AMP
Commanded Torque - Motor A	0.000	Ft-Lbs
Available Motor Torque - Motor A	43.603	Ft-Lbs
Motor B - Inverter Current - phase A	0	AMP
Commanded Torque - Motor B	0.000	Ft-Lbs
Motor B Resolver Angle	346	Degree
Motor B - Inverter Current - phase B	-4	AMP
Electric Motor B Speed	0.0	rpm
Motor A Torque	0.000	Ft-Lbs
PIM DC Link Voltage - A	373	Volts
Motor A Resolver Angle	138	Degree
PIM DC Link Voltage - B	377	Volts
Outside Air Temperature	39.2	°F
HV Battery Sleep Time	0	Days
Motor A - Inverter Current - phase C	0	AMP
HV Battery Voltage from BPCM	375.30	Volts
Motor B Torque	0.092	Ft-Lbs
Electric Motor A Speed	0.0	rpm
Battery Feed Voltage 3 Sense	11.952	Volts
Inverter A IGBT Temperature for phase A	55	°F
Battery Feed Voltage 1 Sense	12.024	Volts
Battery Feed Voltage 2 Sense	12.024	Volts
Inverter A IGBT Temperature for phase B	55	°F
Distance Travelled with Light ON	0	miles
UTC Time - Minutes	36	
Inverter B IGBT Temperature for phase C	54	°F
GPS Date - Month	3	
UTC Time - Hours	15	Hours
GPS Date - Year	2021	Year
UTC Time - Seconds	0	seconds
Inverter B IGBT Temperature for phase B	55	°F
GPS Date - Day	31	Days
Inverter A IGBT Temperature for phase C	55	°F

Inverter B IGBT Temperature for phase A	55	°F
ECU Time - Milliseconds	450	ms

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

NAME	VALUE	UNITS
DTC	0A 3D 00	
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
Occurrence flag		
Brake Switch Status		
PHEV Charging Status		
Ignition State		
PRND Position Display		
Propulsion System Active		
Commanded Inverter B State		
Inverter B Status Feedback		
Motor B Phase U Short Fault - High-Side		
Motor B Phase U Cross Conduction Fault - High-Side		
Motor B Phase U Thermal Warning Fault - High-Side		
Motor B Phase U Thermal Shutdown Fault - High-Side		
Motor B Phase U Comm Error High Voltage Regulator Fault - High-Side		
Motor B Phase U SPI Error Fault - High-Side		
Motor B Phase U Hardware Error Fault - High-Side		
Motor B Phase U Short Fault - Low-Side		
Motor B Phase U Cross Conduction Fault - Low-Side		
Motor B Phase U Over Current Fault - Low-Side		
Motor B Phase U Thermal Warning Fault - Low-Side		
Motor B Phase U Thermal Shutdown Fault - Low-Side		
Motor B Phase U Comm Error High Voltage Regulator Fault - Low-Side		
Motor B Phase U Comm Error Low Voltage Regulator Fault - Low-Side		
Motor B Phase U SPI Error Fault - Low-Side		
Motor B Phase U Hardware Error Fault - Low-Side		
Motor B Phase V Short Fault - High-Side		
Motor B Phase V Cross Conduction Fault - High-Side		
Motor B Phase V Over Current Fault - High-Side		
Motor B Phase V Thermal Warning Fault - High-Side		
Motor B Phase V Thermal Shutdown Fault - High-Side		
Motor B Phase V Comm Error High Voltage Regulator Fault - High-Side		

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

Motor B Phase U Over Voltage Fault VDD - High-Side		
Motor B Phase U Under Voltage Fault VDD - High-Side		
Motor B Phase U Comm Error Low Voltage Regulator Fault - High-Side		
Motor B Phase U Over Voltage Fault VH - Low-Side		
Motor B Phase U Under Voltage Fault VH - Low-Side		
Motor B Phase U Over Voltage Fault VL - Low-Side		
Motor B Phase U Under Voltage Fault VL - Low-Side		
Motor B Phase U Over Voltage Fault VDD - Low-Side		
Motor B Phase U Under Voltage Fault VDD - Low-Side		
Motor B Phase V Over Voltage Fault VH - High-Side		
Motor B Phase V Under Voltage Fault VH - High-Side		
Motor B Phase V Over Voltage Fault VL - High-Side		
Motor B Phase V Under Voltage Fault VL - High-Side		
Motor B Phase V Over Voltage Fault VDD - High-Side		
Motor B Phase V Under Voltage Fault VDD - High-Side		
Motor B Phase V Over Voltage Fault VH - Low-Side		
Motor B Phase V Under Voltage Fault VH - Low-Side		
Motor B Phase V Over Voltage Fault VL - Low-Side		
Motor B Phase V Under Voltage Fault VL - Low-Side		
Motor B Phase V Over Voltage Fault VDD - Low-Side		
Motor B Phase V Under Voltage Fault VDD - Low-Side		
Motor B Phase W Over Voltage Fault VH - High-Side		
Motor B Phase W Under Voltage Fault VH - High-Side		
Motor B Phase W Over Voltage Fault VL - High-Side		
Motor B Phase W Under Voltage Fault VL - High-Side		
Motor B Phase W Over Voltage Fault VDD - High-Side		
Motor B Phase W Under Voltage Fault VDD - High-Side		
Motor B Phase W Thermal Shutdown Fault - High-Side		
Motor B Phase W Under Voltage Fault VH - Low-Side		
Motor B Phase W Over Voltage Fault VH - Low-Side		
Motor B Phase W Over Voltage Fault VL - Low-Side		
Motor B Phase W Under Voltage Fault VL - Low-Side		
Motor B Phase W Under Voltage Fault VDD - Low-Side		
Motor B Phase W Over Voltage Fault VDD - Low-Side		
Most Recent Odometer Value		miles
Original Odometer Value		miles
Ignition Cycle Counter		
Frequency Counter		
RAM stamps keyOn		sec
Real time clock		sec
RAM Stamps		Min
Accelerator Pedal Position		%
Engine Speed		rpm
HV Battery SOC		%

Vehicle Speed		MPH
Barometric Pressure		PSI
Engine Coolant Temperature		°F
Actual Torque - Motor B		Ft-Lbs
Inverter B Input DC Current		AMP
Available Motor Torque - Motor B		Ft-Lbs
Electric Motor B Speed		rpm
Motor B - Inverter Current - phase A		AMP
Motor B - Inverter Current - phase B		AMP
Motor B - Inverter Current - phase C		AMP
Motor B Resolver Supply Voltage Value		Volts
Battery Feed Voltage 2 Sense		Volts
Internal EPS Voltage Sense A		Volts
Internal EPS Voltage Sense B		Volts
Battery Feed Voltage 3 Sense		Volts
Actual Torque - Motor A		Ft-Lbs
Battery Feed Voltage 1 Sense		Volts
Available Motor Torque - Motor A		Ft-Lbs
Available Regen Torque - Motor A		Ft-Lbs
Available Regen Torque - Motor B		Ft-Lbs
Commanded Torque - Motor A		Ft-Lbs
Commanded Torque - Motor B		Ft-Lbs
Motor A - Inverter Current - phase A		AMP
Motor A - Inverter Current - phase B		AMP
Motor A Resolver Angle		Degree
Motor A - Inverter Current - phase C		AMP
Motor A Temp Sensor		°F
Outside Air Temperature		°F
HV Battery Voltage from BPCM		Volts
Electric Motor A Speed		rpm
PIM DC Link Voltage - A		Volts
Inverter A IGBT Temperature for phase A		°F
PIM DC Link Voltage - B		Volts
Inverter A IGBT Temperature for phase C		°F
Inverter A IGBT Temperature for phase B		°F
Inverter B IGBT Temperature for phase A		°F
Inverter B IGBT Temperature for phase B		°F
Inverter B IGBT Temperature for phase C		°F
Distance Travelled with Light ON		miles
Motor A Torque		Ft-Lbs
Motor B Torque		Ft-Lbs
HV Battery Sleep Time		Days
GPS Date - Year		Year
GPS Date - Month		

UTC Time - Hours		Hours
GPS Date - Day		Days
UTC Time - Minutes		
UTC Time - Seconds		seconds
ECU Time - Milliseconds		ms

HCP | P0BF6-00 | Stored | Drive Motor B Inverter Phase V Current Sensor Circuit Range/Performance-

NAME	VALUE	UNITS
DTC	0B F6 00	
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
Occurrence flag	Occurrence	
Brake Switch Status	Not Applied	
PHEV Charging Status	No Charging	
Ignition State	Reserved	
PRND Position Display	N	
Propulsion System Active	False	
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 Warning Fault - High-Side	False	
Motor B Phase U Thermal Shutdown Fault - High-Side	False	
Motor B Phase U Comm Error High Voltage Regulator Fault - High-Side	False	
Motor B Phase U SPI Error Fault - High-Side	False	
Motor B Phase U Hardware Error Fault - High-Side	False	
Motor B Phase U Short Fault - Low-Side	False	
Motor B Phase U Cross Conduction Fault - Low-Side	False	
Motor B Phase U Over Current Fault - Low-Side	True	
Motor B Phase U Thermal Warning Fault - Low-Side	False	
Motor B Phase U Thermal Shutdown Fault - Low-Side	False	
Motor B Phase U Comm Error High Voltage Regulator Fault - Low-Side	False	
Motor B Phase U Comm Error Low Voltage Regulator Fault - Low-Side	False	
Motor B Phase U SPI Error Fault - Low-Side	False	
Motor B Phase U Hardware Error Fault - Low-Side	False	
Motor B Phase V Short Fault - High-Side	False	
Motor B Phase V Cross Conduction Fault - High-Side	False	
Motor B Phase V Over Current Fault - High-Side	True	

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

Motor B Phase U Under Voltage Fault VH - High-Side	False	
Motor B Phase U Over Voltage Fault VL - High-Side	False	
Motor B Phase U Under Voltage Fault VL - High-Side	False	
Motor B Phase U Over Voltage Fault VDD - High-Side	False	
Motor B Phase U Under Voltage Fault VDD - High-Side	False	
Motor B Phase U Comm Error Low Voltage Regulator Fault - High-Side	False	
Motor B Phase U Over Voltage Fault VH - Low-Side	False	
Motor B Phase U Under Voltage Fault VH - Low-Side	False	
Motor B Phase U Over Voltage Fault VL - Low-Side	False	
Motor B Phase U Under Voltage Fault VL - Low-Side	False	
Motor B Phase U Over Voltage Fault VDD - Low-Side	False	
Motor B Phase U Under Voltage Fault VDD - Low-Side	False	
Motor B Phase V Over Voltage Fault VH - High-Side	False	
Motor B Phase V Under Voltage Fault VH - High-Side	False	
Motor B Phase V Over Voltage Fault VL - High-Side	False	
Motor B Phase V Under Voltage Fault VL - High-Side	False	
Motor B Phase V Over Voltage Fault VDD - High-Side	False	
Motor B Phase V Under Voltage Fault VDD - High-Side	False	
Motor B Phase V Over Voltage Fault VH - Low-Side	False	
Motor B Phase V Under Voltage Fault VH - Low-Side	False	
Motor B Phase V Over Voltage Fault VL - Low-Side	False	
Motor B Phase V Under Voltage Fault VL - Low-Side	False	
Motor B Phase V Over Voltage Fault VDD - Low-Side	False	
Motor B Phase V Under Voltage Fault VDD - Low-Side	False	
Motor B Phase W Over Voltage Fault VH - High-Side	False	
Motor B Phase W Under Voltage Fault VH - High-Side	False	
Motor B Phase W Over Voltage Fault VL - High-Side	False	
Motor B Phase W Under Voltage Fault VL - High-Side	False	
Motor B Phase W Over Voltage Fault VDD - High-Side	False	
Motor B Phase W Under Voltage Fault VDD - High-Side	False	
Motor B Phase W Thermal Shutdown Fault - High-Side	False	
Motor B Phase W Over Voltage Fault VH - Low-Side	False	
Motor B Phase W Under Voltage Fault VH - Low-Side	False	
Motor B Phase W Over Voltage Fault VL - Low-Side	False	
Motor B Phase W Under Voltage Fault VL - Low-Side	False	
Motor B Phase W Over Voltage Fault VDD - Low-Side	False	
Motor B Phase W Under Voltage Fault VDD - Low-Side	False	
Original Odometer Value	409.8	miles
Most Recent Odometer Value	409.8	miles
Frequency Counter	5	
Real time clock	9070156	sec
Ignition Cycle Counter	0	
RAM stamps keyOn	60	sec
RAM Stamps	3287	Min

Accelerator Pedal Position	0	%
Engine Speed	0	rpm
HV Battery SOC	76	%
Vehicle Speed	47.4961	MPH
Barometric Pressure	15	PSI
Engine Coolant Temperature	144	°F
Actual Torque - Motor B	1.475	Ft-Lbs
Available Motor Torque - Motor B	0.000	Ft-Lbs
Inverter B Input DC Current	0.0	AMP
Electric Motor B Speed	5231.0	rpm
Motor B - Inverter Current - phase B	232	AMP
Motor B - Inverter Current - phase A	-84	AMP
Motor B - Inverter Current - phase C	-112	AMP
Motor B Resolver Supply Voltage Value	15.75	Volts
Battery Feed Voltage 2 Sense	13.032	Volts
Internal EPS Voltage Sense A	8.136	Volts
Internal EPS Voltage Sense B	8.136	Volts
Battery Feed Voltage 1 Sense	13.032	Volts
Battery Feed Voltage 3 Sense	12.960	Volts
Actual Torque - Motor A	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
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 A Resolver Angle	126	Degree
Motor A Temp Sensor	77	°F
Outside Air Temperature	23.0	°F
Electric Motor A Speed	-6449.0	rpm
HV Battery Voltage from BPCM	463.40	Volts
PIM DC Link Voltage - A	451	Volts
Inverter A IGBT Temperature for phase A	41	°F
PIM DC Link Voltage - B	456	Volts
Inverter A IGBT Temperature for phase B	41	°F
Inverter A IGBT Temperature for phase C	41	°F
Inverter B IGBT Temperature for phase A	45	°F
Inverter B IGBT Temperature for phase B	43	°F
Inverter B IGBT Temperature for phase C	43	°F
Distance Travelled with Light ON	6	miles
Motor B Torque	1.475	Ft-Lbs
Motor A Torque	0.000	Ft-Lbs

HV Battery Sleep Time	0	Days
GPS Date - Year	2021	Year
GPS Date - Month	4	
GPS Date - Day	1	Days
UTC Time - Hours	12	Hours
UTC Time - Minutes	12	
UTC Time - Seconds	0	seconds
ECU Time - Milliseconds	600	ms

HCP | P0BFA-00 | Stored | Drive Motor "B" Phase W Current Sensor Circuit Range/Performance-

NAME	VALUE	UNITS
DTC	0B FA 00	
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	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	
Commanded Inverter B State	Active Discharge	
Inverter B Status Feedback	Active Discharge	
Motor B Phase U Short Fault - High-Side	False	
Motor B Phase U Cross Conduction Fault - High-Side	False	
Motor B Phase U Thermal Warning Fault - High-Side	False	
Motor B Phase U Thermal Shutdown Fault - High-Side	False	
Motor B Phase U Comm Error High Voltage Regulator Fault - High-Side	False	
Motor B Phase U SPI Error Fault - High-Side	False	
Motor B Phase U Hardware Error Fault - High-Side	False	
Motor B Phase U Short Fault - Low-Side	False	
Motor B Phase U 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 Comm Error High Voltage Regulator Fault - Low-Side	False	
Motor B Phase U Comm Error Low Voltage Regulator Fault - Low-Side	False	
Motor B Phase U SPI Error Fault - Low-Side	False	
Motor B Phase U Hardware Error Fault - Low-Side	False	

Motor B Phase V Short Fault - High-Side	False	
Motor B Phase V Cross Conduction Fault - High-Side	False	
Motor B Phase V Over Current Fault - High-Side	False	
Motor B Phase V Thermal Warning Fault - High-Side	False	
Motor B Phase V Thermal Shutdown Fault - High-Side	False	
Motor B Phase V Comm Error Low Voltage Regulator Fault - High-Side	False	
Motor B Phase V Comm Error High Voltage Regulator Fault - High-Side	False	
Motor B Phase V SPI Error Fault - High-Side	False	
Motor B Phase V Hardware Error Fault - High-Side	False	
Motor B Phase V Short Fault - Low-Side	False	
Motor B Phase V Cross Conduction Fault - Low-Side	False	
Motor B Phase V Over Current Fault - Low-Side	False	
Motor B Phase V Thermal Warning Fault - Low-Side	False	
Motor B Phase V Thermal Shutdown Fault - Low-Side	False	
Motor B Phase V Comm Error High Voltage Regulator Fault - Low-Side	False	
Motor B Phase V Comm Error Low Voltage Regulator Fault - Low-Side	False	
Motor B Phase V SPI Error Fault - Low-Side	False	
Motor B Phase V Hardware Error Fault - Low-Side	False	
Motor B Phase W Short Fault - High-Side	False	
Motor B Phase W Cross Conduction Fault - High-Side	False	
Motor B Phase W Over Current Fault - High-Side	True	
Motor B Phase W Thermal Warning Fault - High-Side	False	
Motor B Phase W Comm Error High Voltage Regulator Fault - High-Side	False	
Motor B Phase W Comm Error Low Voltage Regulator Fault - High-Side	False	
Motor B Phase W Hardware Error Fault - High-Side	False	
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 Over Current Fault - Low-Side	True	
Motor B Phase W Thermal Warning Fault - Low-Side	False	
Motor B Phase W Thermal Shutdown Fault - Low-Side	False	
Motor B Phase W Comm Error High Voltage Regulator Fault - Low-Side	False	
Motor B Phase W Comm Error Low Voltage Regulator Fault - Low-Side	False	
Motor B Phase W SPI Error Fault - Low-Side	False	
Motor B Phase W Hardware Error Fault - Low-Side	False	
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 Phase U Over Current Fault - High-Side	False	
Motor B Phase U Over Voltage Fault VH - High-Side	False	
Motor B Phase U Under Voltage Fault VH - High-Side	False	
Motor B Phase U Over Voltage Fault VL - High-Side	False	
Motor B Phase U Under Voltage Fault VL - High-Side	False	
Motor B Phase U Over Voltage Fault VDD - High-Side	False	
Motor B Phase U Under Voltage Fault VDD - High-Side	False	
Motor B Phase U Comm Error Low Voltage Regulator Fault - High-Side	False	
Motor B Phase U Over Voltage Fault VH - Low-Side	False	
Motor B Phase U Under Voltage Fault VH - Low-Side	False	
Motor B Phase U Over Voltage Fault VL - Low-Side	False	
Motor B Phase U Under Voltage Fault VL - Low-Side	False	
Motor B Phase U Over Voltage Fault VDD - Low-Side	False	
Motor B Phase U Under Voltage Fault VDD - Low-Side	False	
Motor B Phase V Over Voltage Fault VH - High-Side	False	
Motor B Phase V Under Voltage Fault VH - High-Side	False	
Motor B Phase V Over Voltage Fault VL - High-Side	False	
Motor B Phase V Under Voltage Fault VL - High-Side	False	
Motor B Phase V Under Voltage Fault VDD - High-Side	False	
Motor B Phase V Over Voltage Fault VDD - High-Side	False	
Motor B Phase V Over Voltage Fault VH - Low-Side	False	
Motor B Phase V Under Voltage Fault VH - Low-Side	False	
Motor B Phase V Over Voltage Fault VL - Low-Side	False	
Motor B Phase V Under Voltage Fault VL - Low-Side	False	
Motor B Phase V Over Voltage Fault VDD - Low-Side	False	
Motor B Phase V Under Voltage Fault VDD - Low-Side	False	
Motor B Phase W Over Voltage Fault VH - High-Side	False	
Motor B Phase W Under Voltage Fault VH - High-Side	False	
Motor B Phase W Over Voltage Fault VL - High-Side	False	
Motor B Phase W Under Voltage Fault VL - High-Side	False	
Motor B Phase W Over Voltage Fault VDD - High-Side	False	
Motor B Phase W Under Voltage Fault VDD - High-Side	False	
Motor B Phase W Thermal Shutdown Fault - High-Side	False	
Motor B Phase W Over Voltage Fault VH - Low-Side	False	
Motor B Phase W Under Voltage Fault VH - Low-Side	False	
Motor B Phase W Over Voltage Fault VL - Low-Side	False	
Motor B Phase W Under Voltage Fault VL - Low-Side	False	
Motor B Phase W Over Voltage Fault VDD - Low-Side	False	
Motor B Phase W Under Voltage Fault VDD - Low-Side	False	
Original Odometer Value	393.3	miles
Most Recent Odometer Value	425.3	miles
Frequency Counter	20	
Ignition Cycle Counter	0	

Real time clock	9076198	sec
RAM stamps keyOn	195	sec
RAM Stamps	3335	Min
Accelerator Pedal Position	0	%
HV Battery SOC	33	%
Engine Speed	0	rpm
Vehicle Speed	0.0000	MPH
Barometric Pressure	14	PSI
Actual Torque - Motor B	0.645	Ft-Lbs
Engine Coolant Temperature	151	°F
Available Motor Torque - Motor B	3.503	Ft-Lbs
Inverter B Input DC Current	0.0	AMP
Electric Motor B Speed	0.0	rpm
Motor B - Inverter Current - phase A	0	AMP
Motor B - Inverter Current - phase B	0	AMP
Motor B - Inverter Current - phase C	-4	AMP
Motor B Resolver Supply Voltage Value	15.75	Volts
Internal EPS Voltage Sense A	8.136	Volts
Battery Feed Voltage 2 Sense	13.824	Volts
Internal EPS Voltage Sense B	8.136	Volts
Battery Feed Voltage 1 Sense	13.752	Volts
Battery Feed Voltage 3 Sense	13.680	Volts
Actual Torque - Motor A	0.000	Ft-Lbs
Available Motor Torque - Motor A	87.205	Ft-Lbs
Available Regen Torque - Motor A	-87.205	Ft-Lbs
Available Regen Torque - Motor B	-3.503	Ft-Lbs
Commanded Torque - Motor A	0.000	Ft-Lbs
Commanded Torque - Motor B	0.000	Ft-Lbs
Motor A - Inverter Current - phase A	-4	AMP
Motor A - Inverter Current - phase B	-4	AMP
Motor A - Inverter Current - phase C	-4	AMP
Motor A Resolver Angle	316	Degree
Motor A Temp Sensor	99	°F
HV Battery Voltage from BPCM	339.80	Volts
Outside Air Temperature	24.8	°F
Electric Motor A Speed	0.0	rpm
PIM DC Link Voltage - A	337	Volts
Inverter A IGBT Temperature for phase A	68	°F
PIM DC Link Voltage - B	340	Volts
Inverter A IGBT Temperature for phase B	66	°F
Inverter A IGBT Temperature for phase C	66	°F
Inverter B IGBT Temperature for phase A	63	°F
Inverter B IGBT Temperature for phase B	64	°F
Inverter B IGBT Temperature for phase C	61	°F

Distance Travelled with Light ON	22	miles
Motor A Torque	0.000	Ft-Lbs
Motor B Torque	0.645	Ft-Lbs
HV Battery Sleep Time	0	Days
GPS Date - Year	2021	Year
GPS Date - Month	4	
GPS Date - Day	1	Days
UTC Time - Hours	13	Hours
UTC Time - Minutes	52	
UTC Time - Seconds	0	seconds
ECU Time - Milliseconds	781	ms

HCP | P0BFC-00 | Stored | Drive Motor B Inverter Phase W Current Sensor Circuit High-

NAME	VALUE	UNITS
DTC	0B FC 00	
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	True	
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	
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 Warning Fault - High-Side	False	
Motor B Phase U Thermal Shutdown Fault - High-Side	False	
Motor B Phase U Comm Error High Voltage Regulator Fault - High-Side	False	
Motor B Phase U SPI Error Fault - High-Side	False	
Motor B Phase U Hardware Error Fault - High-Side	False	
Motor B Phase U Short Fault - Low-Side	False	
Motor B Phase U Cross Conduction Fault - Low-Side	False	
Motor B Phase U Over Current Fault - Low-Side	False	
Motor B Phase U Thermal Warning Fault - Low-Side	False	
Motor B Phase U Thermal Shutdown Fault - Low-Side	False	
Motor B Phase U Comm Error High Voltage Regulator Fault - Low-Side	False	

Motor B Phase U Comm Error Low Voltage Regulator Fault - Low-Side	False	
Motor B Phase U SPI Error Fault - Low-Side	False	
Motor B Phase U Hardware Error Fault - Low-Side	False	
Motor B Phase V Short Fault - High-Side	False	
Motor B Phase V Cross Conduction Fault - High-Side	False	
Motor B Phase V Over Current Fault - High-Side	False	
Motor B Phase V Thermal Warning Fault - High-Side	False	
Motor B Phase V Thermal Shutdown Fault - High-Side	False	
Motor B Phase V Comm Error High Voltage Regulator Fault - High-Side	False	
Motor B Phase V Comm Error Low Voltage Regulator Fault - High-Side	False	
Motor B Phase V SPI Error Fault - High-Side	False	
Motor B Phase V Hardware Error Fault - High-Side	False	
Motor B Phase V Short Fault - Low-Side	False	
Motor B Phase V Cross Conduction Fault - Low-Side	False	
Motor B Phase V Over Current Fault - Low-Side	False	
Motor B Phase V Thermal Warning Fault - Low-Side	False	
Motor B Phase V Thermal Shutdown Fault - Low-Side	False	
Motor B Phase V Comm Error High Voltage Regulator Fault - Low-Side	False	
Motor B Phase V Comm Error Low Voltage Regulator Fault - Low-Side	False	
Motor B Phase V SPI Error Fault - Low-Side	False	
Motor B Phase V Hardware Error Fault - Low-Side	False	
Motor B Phase W Short Fault - High-Side	False	
Motor B Phase W Cross Conduction Fault - High-Side	False	
Motor B Phase W Over Current Fault - High-Side	True	
Motor B Phase W Thermal Warning Fault - High-Side	False	
Motor B Phase W Comm Error High Voltage Regulator Fault - High-Side	False	
Motor B Phase W Comm Error Low Voltage Regulator Fault - High-Side	False	
Motor B Phase W SPI Error Fault - High-Side	False	
Motor B Phase W Hardware Error Fault - High-Side	False	
Motor B Phase W Short Fault - Low-Side	False	
Motor B Phase W Cross Conduction Fault - Low-Side	False	
Motor B Phase W Over Current Fault - Low-Side	True	
Motor B Phase W Thermal Warning Fault - Low-Side	False	
Motor B Phase W Thermal Shutdown Fault - Low-Side	False	
Motor B Phase W Comm Error High Voltage Regulator Fault - Low-Side	False	
Motor B Phase W Comm Error Low Voltage Regulator Fault - Low-Side	False	
Motor B Phase W SPI Error Fault - Low-Side	False	
Motor B Phase W Hardware Error Fault - Low-Side	False	
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 Phase U Over Current Fault - High-Side	False	
Motor B Phase U Over Voltage Fault VH - High-Side	False	
Motor B Phase U Under Voltage Fault VH - High-Side	False	
Motor B Phase U Over Voltage Fault VL - High-Side	False	
Motor B Phase U Under Voltage Fault VL - High-Side	False	
Motor B Phase U Over Voltage Fault VDD - High-Side	False	
Motor B Phase U Under Voltage Fault VDD - High-Side	False	
Motor B Phase U Comm Error Low Voltage Regulator Fault - High-Side	False	
Motor B Phase U Over Voltage Fault VH - Low-Side	False	
Motor B Phase U Under Voltage Fault VH - Low-Side	False	
Motor B Phase U Over Voltage Fault VL - Low-Side	False	
Motor B Phase U Under Voltage Fault VL - Low-Side	False	
Motor B Phase U Over Voltage Fault VDD - Low-Side	False	
Motor B Phase U Under Voltage Fault VDD - Low-Side	False	
Motor B Phase V Over Voltage Fault VH - High-Side	False	
Motor B Phase V Under Voltage Fault VH - High-Side	False	
Motor B Phase V Over Voltage Fault VL - High-Side	False	
Motor B Phase V Under Voltage Fault VL - High-Side	False	
Motor B Phase V Over Voltage Fault VDD - High-Side	False	
Motor B Phase V Under Voltage Fault VDD - High-Side	False	
Motor B Phase V Under Voltage Fault VH - Low-Side	False	
Motor B Phase V Over Voltage Fault VH - Low-Side	False	
Motor B Phase V Over Voltage Fault VL - Low-Side	False	
Motor B Phase V Under Voltage Fault VL - Low-Side	False	
Motor B Phase V Over Voltage Fault VDD - Low-Side	False	
Motor B Phase V Under Voltage Fault VDD - Low-Side	False	
Motor B Phase W Over Voltage Fault VH - High-Side	False	
Motor B Phase W Under Voltage Fault VH - High-Side	False	
Motor B Phase W Over Voltage Fault VL - High-Side	False	
Motor B Phase W Under Voltage Fault VL - High-Side	False	
Motor B Phase W Over Voltage Fault VDD - High-Side	False	
Motor B Phase W Under Voltage Fault VDD - High-Side	False	
Motor B Phase W 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 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	246.4	miles

Most Recent Odometer Value	425.3	miles
Frequency Counter	12	
Ignition Cycle Counter	0	
Real time clock	9076286	sec
RAM stamps keyOn	270	sec
RAM Stamps	3336	Min
Accelerator Pedal Position	0	%
Engine Speed	0	rpm
Vehicle Speed	0.0000	MPH
HV Battery SOC	33	%
Barometric Pressure	14	PSI
Engine Coolant Temperature	149	°F
Actual Torque - Motor B	159.200	Ft-Lbs
Available Motor Torque - Motor B	0.000	Ft-Lbs
Inverter B Input DC Current	0.0	AMP
Electric Motor B Speed	0.0	rpm
Motor B - Inverter Current - phase B	0	AMP
Motor B - Inverter Current - phase A	508	AMP
Motor B - Inverter Current - phase C	-4	AMP
Motor B Resolver Supply Voltage Value	15.75	Volts
Battery Feed Voltage 2 Sense	12.312	Volts
Internal EPS Voltage Sense A	0.000	Volts
Internal EPS Voltage Sense B	0.000	Volts
Battery Feed Voltage 3 Sense	12.240	Volts
Battery Feed Voltage 1 Sense	12.312	Volts
Available Motor Torque - Motor A	87.205	Ft-Lbs
Actual Torque - Motor A	0.000	Ft-Lbs
Available Regen Torque - Motor A	-87.205	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	0	AMP
Motor A - Inverter Current - phase B	0	AMP
Motor A - Inverter Current - phase C	-4	AMP
Motor A Resolver Angle	316	Degree
Motor A Temp Sensor	88	°F
Outside Air Temperature	24.8	°F
HV Battery Voltage from BPCM	180.00	Volts
Electric Motor A Speed	0.0	rpm
PIM DC Link Voltage - A	6	Volts
PIM DC Link Voltage - B	7	Volts
Inverter A IGBT Temperature for phase A	55	°F
Inverter A IGBT Temperature for phase B	55	°F
Inverter A IGBT Temperature for phase C	55	°F

Inverter B IGBT Temperature for phase A	55	°F
Inverter B IGBT Temperature for phase C	55	°F
Inverter B IGBT Temperature for phase B	55	°F
Distance Travelled with Light ON	22	miles
Motor A Torque	0.000	Ft-Lbs
Motor B Torque	159.200	Ft-Lbs
HV Battery Sleep Time	0	Days
GPS Date - Year	2021	Year
GPS Date - Month	4	
UTC Time - Hours	13	Hours
GPS Date - Day	1	Days
UTC Time - Minutes	54	
UTC Time - Seconds	0	seconds
ECU Time - Milliseconds	481	ms

HCP | P0BFE-00 | Stored | Drive Motor B Phase U-V-W Current Sensor Correlation-

NAME	VALUE	UNITS
DTC	0B FE 00	
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Warning Indicator Requested	True	
Test Not Completed This Operation Cycle	False	
Occurrence flag	Occurrence	
Brake Switch Status	Not Applied	
PHEV Charging Status	No Charging	
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 Short Fault - High-Side	False	
Motor B Phase U Cross Conduction Fault - High-Side	False	
Motor B Phase U Thermal Warning Fault - High-Side	False	
Motor B Phase U Thermal Shutdown Fault - High-Side	False	
Motor B Phase U Comm Error High Voltage Regulator Fault - High-Side	False	
Motor B Phase U SPI Error Fault - High-Side	False	
Motor B Phase U Hardware Error Fault - High-Side	False	
Motor B Phase U Short Fault - Low-Side	False	
Motor B Phase U Cross Conduction Fault - Low-Side	False	
Motor B Phase U Over Current Fault - Low-Side	False	

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

Motor B Phase W Over Voltage Fault VDD - Low-Side	False	
Motor B Phase W Under Voltage Fault VDD - Low-Side	False	
Original Odometer Value	246.4	miles
Most Recent Odometer Value	425.3	miles
Frequency Counter	24	
Ignition Cycle Counter	0	
Real time clock	9076284	sec
RAM stamps keyOn	270	sec
RAM Stamps	3336	Min
Accelerator Pedal Position	0	%
Engine Speed	0	rpm
HV Battery SOC	33	%
Vehicle Speed	0.0000	MPH
Barometric Pressure	14	PSI
Engine Coolant Temperature	149	°F
Actual Torque - Motor B	15.118	Ft-Lbs
Available Motor Torque - Motor B	0.000	Ft-Lbs
Inverter B Input DC Current	0.0	AMP
Electric Motor B Speed	0.0	rpm
Motor B - Inverter Current - phase A	64	AMP
Motor B - Inverter Current - phase B	-4	AMP
Motor B - Inverter Current - phase C	-4	AMP
Motor B Resolver Supply Voltage Value	15.75	Volts
Battery Feed Voltage 2 Sense	12.312	Volts
Internal EPS Voltage Sense A	0.000	Volts
Internal EPS Voltage Sense B	0.000	Volts
Battery Feed Voltage 1 Sense	12.312	Volts
Battery Feed Voltage 3 Sense	12.240	Volts
Actual Torque - Motor A	0.000	Ft-Lbs
Available Motor Torque - Motor A	87.205	Ft-Lbs
Available Regen Torque - Motor A	-87.205	Ft-Lbs
Available 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	0	AMP
Motor A - Inverter Current - phase B	0	AMP
Motor A - Inverter Current - phase C	-4	AMP
Motor A Resolver Angle	316	Degree
Motor A Temp Sensor	88	°F
Outside Air Temperature	24.8	°F
HV Battery Voltage from BPCM	180.00	Volts
Electric Motor A Speed	0.0	rpm
PIM DC Link Voltage - A	6	Volts
PIM DC Link Voltage - B	7	Volts

Inverter A IGBT Temperature for phase A	55	°F
Inverter A IGBT Temperature for phase B	55	°F
Inverter A IGBT Temperature for phase C	55	°F
Inverter B IGBT Temperature for phase B	55	°F
Inverter B IGBT Temperature for phase A	55	°F
Inverter B IGBT Temperature for phase C	55	°F
Motor A Torque	0.000	Ft-Lbs
Distance Travelled with Light ON	22	miles
Motor B Torque	15.118	Ft-Lbs
HV Battery Sleep Time	0	Days
GPS Date - Year	2021	Year
GPS Date - Month	4	
GPS Date - Day	1	Days
UTC Time - Hours	13	Hours
UTC Time - Minutes	54	
UTC Time - Seconds	0	seconds
ECU Time - Milliseconds	175	ms

HCP | P0C04-00 | Stored | Drive Motor B Current High-

NAME	VALUE	UNITS
DTC	0C 04 00	
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	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	
Commanded Inverter B State	Torque Control	
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 Warning Fault - High-Side	False	
Motor B Phase U Thermal Shutdown Fault - High-Side	False	
Motor B Phase U Comm Error High Voltage Regulator Fault - High-Side	False	
Motor B Phase U SPI Error Fault - High-Side	False	
Motor B Phase U Hardware Error Fault - High-Side	False	

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

Hybrid System State	Reserved	
HCP ePT Wake-Up Output	On	
CBC Wake-Up Input	Off	
EPT LOC Diag Enable	Enable LOC Diagnostic	
HV Contactor Status	Closed	
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 Under Voltage Fault VL - High-Side	False	
Motor B Phase U Over Voltage Fault VL - High-Side	False	
Motor B Phase U Over Voltage Fault VDD - High-Side	False	
Motor B Phase U Under Voltage Fault VDD - High-Side	False	
Motor B Phase U Comm Error Low Voltage Regulator Fault - High-Side	False	
Motor B Phase U Over Voltage Fault VH - Low-Side	False	
Motor B Phase U Under Voltage Fault VH - Low-Side	False	
Motor B Phase U Over Voltage Fault VL - Low-Side	False	
Motor B Phase U Under Voltage Fault VL - Low-Side	False	
Motor B Phase U Over Voltage Fault VDD - Low-Side	False	
Motor B Phase U Under Voltage Fault VDD - Low-Side	False	
Motor B Phase V Over Voltage Fault VH - High-Side	False	
Motor B Phase V Under Voltage Fault VH - High-Side	False	
Motor B Phase V Over Voltage Fault VL - High-Side	False	
Motor B Phase V Under Voltage Fault VL - High-Side	False	
Motor B Phase V Over Voltage Fault VDD - High-Side	False	
Motor B Phase V Under Voltage Fault VDD - High-Side	False	
Motor B Phase V Over Voltage Fault VH - Low-Side	False	
Motor B Phase V Under Voltage Fault VH - Low-Side	False	
Motor B Phase V Over Voltage Fault VL - Low-Side	False	
Motor B Phase V Under Voltage Fault VL - Low-Side	False	
Motor B Phase V Over Voltage Fault VDD - Low-Side	False	
Motor B Phase V Under Voltage Fault VDD - Low-Side	False	
Motor B Phase W Over Voltage Fault VH - High-Side	False	
Motor B Phase W Under Voltage Fault VH - High-Side	False	
Motor B Phase W Over Voltage Fault VL - High-Side	False	
Motor B Phase W Under Voltage Fault VL - High-Side	False	
Motor B Phase W Over Voltage Fault VDD - High-Side	False	
Motor B Phase W Under Voltage Fault VDD - High-Side	False	
Motor B Phase W Thermal Shutdown Fault - High-Side	False	
Motor B Phase W Over Voltage Fault VH - Low-Side	False	

Motor B Phase W Under Voltage Fault VH - Low-Side	False	
Motor B Phase W Over Voltage Fault VL - Low-Side	False	
Motor B Phase W Under Voltage Fault VL - Low-Side	False	
Motor B Phase W Over Voltage Fault VDD - Low-Side	False	
Motor B Phase W Under Voltage Fault VDD - Low-Side	False	
Original Odometer Value	246.4	miles
Most Recent Odometer Value	425.3	miles
Frequency Counter	19	
Ignition Cycle Counter	0	
Real time clock	9076194	sec
RAM Stamps	3335	Min
RAM stamps keyOn	180	sec
Accelerator Pedal Position	0	%
Engine Speed	937	rpm
HV Battery SOC	33	%
Vehicle Speed	0.0000	MPH
Barometric Pressure	14	PSI
Engine Coolant Temperature	149	°F
Actual Torque - Motor B	0.092	Ft-Lbs
Available Motor Torque - Motor B	0.000	Ft-Lbs
Inverter B Input DC Current	0.0	AMP
Electric Motor B Speed	3.5	rpm
Motor B - Inverter Current - phase A	-4	AMP
Motor B - Inverter Current - phase B	-4	AMP
Motor B - Inverter Current - phase C	0	AMP
Motor B Resolver Supply Voltage Value	15.75	Volts
Battery Feed Voltage 2 Sense	14.688	Volts
Internal EPS Voltage Sense A	8.136	Volts
Internal EPS Voltage Sense B	8.136	Volts
Battery Feed Voltage 1 Sense	14.688	Volts
Battery Feed Voltage 3 Sense	14.688	Volts
Actual Torque - Motor A	-25.166	Ft-Lbs
Available Motor Torque - Motor A	86.652	Ft-Lbs
Available Regen Torque - Motor B	0.000	Ft-Lbs
Available Regen Torque - Motor A	-86.652	Ft-Lbs
Commanded Torque - Motor A	-28.761	Ft-Lbs
Commanded Torque - Motor B	0.000	Ft-Lbs
Motor A - Inverter Current - phase A	-16	AMP
Motor A - Inverter Current - phase B	116	AMP
Motor A - Inverter Current - phase C	-104	AMP
Motor A Resolver Angle	224	Degree
Outside Air Temperature	24.8	°F
Motor A Temp Sensor	97	°F
HV Battery Voltage from BPCM	351.70	Volts

PIM DC Link Voltage - A	350	Volts
Electric Motor A Speed	3773.5	rpm
PIM DC Link Voltage - B	353	Volts
Inverter A IGBT Temperature for phase A	70	°F
Inverter A IGBT Temperature for phase C	70	°F
Inverter A IGBT Temperature for phase B	68	°F
Inverter B IGBT Temperature for phase A	64	°F
Inverter B IGBT Temperature for phase B	72	°F
Inverter B IGBT Temperature for phase C	63	°F
Motor A Torque	-25.166	Ft-Lbs
Distance Travelled with Light ON	22	miles
Motor B Torque	0.092	Ft-Lbs
HV Battery Sleep Time	0	Days
GPS Date - Year	2021	Year
GPS Date - Month	4	
GPS Date - Day	1	Days
UTC Time - Hours	13	Hours
UTC Time - Minutes	52	
UTC Time - Seconds	0	seconds
ECU Time - Milliseconds	913	ms

HCP | P0C1A-00 | Stored | Drive Motor B Torque Delivered Performance-

NAME	VALUE	UNITS
DTC	0C 1A 00	
Pending DTC	False	
Test Failed This Operation Cycle	False	
Test Failed	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
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	
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 Warning Fault - High-Side	False	
Motor B Phase U Thermal Shutdown Fault - High-Side	False	

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

Motor B Phase W Comm Error Low Voltage Regulator Fault - Low-Side	False	
Motor B Phase W SPI Error Fault - Low-Side	False	
Motor B Phase W Hardware Error Fault - Low-Side	False	
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 Phase U Over Current Fault - High-Side	False	
Motor B Phase U Over Voltage Fault VH - High-Side	False	
Motor B Phase U Under Voltage Fault VH - High-Side	False	
Motor B Phase U Over Voltage Fault VL - High-Side	False	
Motor B Phase U Under Voltage Fault VL - High-Side	False	
Motor B Phase U Over Voltage Fault VDD - High-Side	False	
Motor B Phase U Under Voltage Fault VDD - High-Side	False	
Motor B Phase U Comm Error Low Voltage Regulator Fault - High-Side	False	
Motor B Phase U Over Voltage Fault VH - Low-Side	False	
Motor B Phase U Under Voltage Fault VH - Low-Side	False	
Motor B Phase U Over Voltage Fault VL - Low-Side	False	
Motor B Phase U Under Voltage Fault VL - Low-Side	False	
Motor B Phase U Over Voltage Fault VDD - Low-Side	False	
Motor B Phase U Under Voltage Fault VDD - Low-Side	False	
Motor B Phase V Over Voltage Fault VH - High-Side	False	
Motor B Phase V Under Voltage Fault VH - High-Side	False	
Motor B Phase V Over Voltage Fault VL - High-Side	False	
Motor B Phase V Under Voltage Fault VL - High-Side	False	
Motor B Phase V Over Voltage Fault VDD - High-Side	False	
Motor B Phase V Under Voltage Fault VDD - High-Side	False	
Motor B Phase V Over Voltage Fault VH - Low-Side	False	
Motor B Phase V Under Voltage Fault VH - Low-Side	False	
Motor B Phase V Over Voltage Fault VL - Low-Side	False	
Motor B Phase V Under Voltage Fault VL - Low-Side	False	
Motor B Phase V Over Voltage Fault VDD - Low-Side	False	
Motor B Phase V Under Voltage Fault VDD - Low-Side	False	
Motor B Phase W Over Voltage Fault VH - High-Side	False	
Motor B Phase W Under Voltage Fault VH - High-Side	False	
Motor B Phase W Over Voltage Fault VL - High-Side	False	
Motor B Phase W Under Voltage Fault VL - High-Side	False	
Motor B Phase W Over Voltage Fault VDD - High-Side	False	

Motor B Phase W Under Voltage Fault VDD - High-Side	False	
Motor B Phase W Thermal Shutdown Fault - High-Side	False	
Motor B Phase W Over Voltage Fault VH - Low-Side	False	
Motor B Phase W Under Voltage Fault VH - Low-Side	False	
Motor B Phase W Over Voltage Fault VL - Low-Side	False	
Motor B Phase W Under Voltage Fault VL - Low-Side	False	
Motor B Phase W Over Voltage Fault VDD - Low-Side	False	
Motor B Phase W Under Voltage Fault VDD - Low-Side	False	
Original Odometer Value	246.4	miles
Most Recent Odometer Value	425.3	miles
Frequency Counter	33	
Ignition Cycle Counter	0	
Real time clock	9076204	sec
RAM stamps keyOn	195	sec
RAM Stamps	3335	Min
Accelerator Pedal Position	0	%
Engine Speed	0	rpm
HV Battery SOC	33	%
Barometric Pressure	14	PSI
Engine Coolant Temperature	149	°F
Vehicle Speed	0.0000	MPH
Actual Torque - Motor B	6.084	Ft-Lbs
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 A	24	AMP
Motor B - Inverter Current - phase B	-4	AMP
Motor B - Inverter Current - phase C	0	AMP
Motor B Resolver Supply Voltage Value	15.75	Volts
Battery Feed Voltage 2 Sense	13.104	Volts
Internal EPS Voltage Sense A	0.576	Volts
Internal EPS Voltage Sense B	0.072	Volts
Battery Feed Voltage 1 Sense	13.104	Volts
Battery Feed Voltage 3 Sense	13.032	Volts
Actual Torque - Motor A	0.000	Ft-Lbs
Available Motor Torque - Motor A	87.205	Ft-Lbs
Available Regen Torque - Motor B	0.000	Ft-Lbs
Available Regen Torque - Motor A	-87.205	Ft-Lbs
Commanded Torque - Motor B	0.000	Ft-Lbs
Commanded Torque - Motor A	0.000	Ft-Lbs
Motor A - Inverter Current - phase A	-4	AMP
Motor A - Inverter Current - phase B	0	AMP
Motor A - Inverter Current - phase C	0	AMP
Motor A Temp Sensor	97	°F

Motor A Resolver Angle	316	Degree
Outside Air Temperature	24.8	°F
HV Battery Voltage from BPCM	180.00	Volts
Electric Motor A Speed	0.0	rpm
PIM DC Link Voltage - A	5	Volts
PIM DC Link Voltage - B	6	Volts
Inverter A IGBT Temperature for phase B	59	°F
Inverter A IGBT Temperature for phase C	59	°F
Inverter A IGBT Temperature for phase A	59	°F
Inverter B IGBT Temperature for phase A	57	°F
Inverter B IGBT Temperature for phase B	59	°F
Inverter B IGBT Temperature for phase C	57	°F
Distance Travelled with Light ON	22	miles
Motor A Torque	0.000	Ft-Lbs
Motor B Torque	6.084	Ft-Lbs
HV Battery Sleep Time	0	Days
GPS Date - Year	2021	Year
GPS Date - Month	4	
UTC Time - Hours	13	Hours
GPS Date - Day	1	Days
UTC Time - Minutes	52	
UTC Time - Seconds	1	seconds
ECU Time - Milliseconds	225	ms

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

NAME	VALUE	UNITS
DTC	16 F9 00	
Test Failed	False	
Test Failed This Operation Cycle	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number	05	
Occurrence flag	Occurrence	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Pending DTC	False	
PHEV Charging Status	No Charging	
Propulsion System Active	False	
PRND Position Display	P	
Main Processor Reset Source - Core 0	Power Up	
Brake Switch Status	Not Applied	
Main Processor Reset Source - Core 1	Power Up	
Static NVM CRC Status	Passed	

Ignition State	Ignition Lock	
Adaptable NVM CRC Status	Passed	
Preserved NVM CRC Status	Passed	
Cumulative NVM CRC Status	Passed	
MCPInit EEPROM CRC Status	Passed	
Non Volatile RAM CRC Status	Passed	
BSW EEPROM CRC Status	Passed	
Expendable NVM CRC Status	Passed	
MCPB - MCPA SPI CRC Error Count	00	
MCPUninit EEPROM CRC Status	Passed	
HCP - MCPA SPI CRC Error Count	00	
MCPB - MCPA SPI ARC Error Count	00	
Main Stack Fault	False	
MemShare CRC Error Count- Core 0	02	
MemShare ARC Error Count- Core 0	00	
MemShare ARC Error Count- Core 1	02	
MemShare CRC Error Count- Core 1	FF	
Main Clock Fault	False	
MainTPU_Flt	False	
External Watchdog Fault	False	
HCP - MCPA SPI ARC Error Count	00	
MAIN ALU Fault	False	
Main Analog-to-Digital Converter Fault	False	
Main Detected Seed Received In Wrong Order	False	
MAIN Detected SPI Fault	False	
Hybrid System State	Power Up	
HCP ePT Wake-Up Output	On	
CBC Wake-Up Input	On	
EPT LOC Diag Enable	Disable LOC Daignostic	
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	
Original Odometer Value	393.3	miles
Frequency Counter	4	
Most Recent Odometer Value	401.4	miles
Real time clock	8996110	sec
RAM stamps keyOn	0	sec
Ignition Cycle Counter	0	
Accelerator Pedal Position	0	%
RAM Stamps	3060	Min
Vehicle Speed	0.0000	MPH

Engine Speed	0	rpm
Engine Coolant Temperature	176	°F
Battery Feed Voltage 2 Sense	12.384	Volts
Internal EPS Voltage Sense B	0.000	Volts
HV Battery SOC	75	%
Barometric Pressure	15	PSI
Internal EPS Voltage Sense A	0.000	Volts
Actual Torque - Motor B	-0.369	Ft-Lbs
Available Regen Torque - Motor A	-43.603	Ft-Lbs
Actual Torque - Motor A	0.000	Ft-Lbs
Commanded Torque - Motor B	0.000	Ft-Lbs
Available Motor Torque - Motor A	43.603	Ft-Lbs
Battery Feed Voltage 3 Sense	12.312	Volts
Commanded Torque - Motor A	0.000	Ft-Lbs
Motor A - Inverter Current - phase C	-4	AMP
Available Regen Torque - Motor B	-116.150	Ft-Lbs
Available Motor Torque - Motor B	116.150	Ft-Lbs
Motor A Resolver Angle	136	Degree
Motor A - Inverter Current - phase B	-4	AMP
Outside Air Temperature	77.0	°F
Motor A Temp Sensor	55	°F
Motor B - Inverter Current - phase B	0	AMP
Motor A - Inverter Current - phase A	0	AMP
Motor B - Inverter Current - phase C	0	AMP
Motor B Temp Sensor	55	°F
Battery Feed Voltage 1 Sense	12.384	Volts
Motor B - Inverter Current - phase A	0	AMP
Motor B Resolver Angle	348	Degree
Electric Motor B Speed	0.0	rpm
Inverter A IGBT Temperature for phase A	54	°F
Inverter B IGBT Temperature for phase C	54	°F
PIM DC Link Voltage - B	4	Volts
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 C	54	°F
Inverter B IGBT Temperature for phase B	54	°F
Inverter B IGBT Temperature for phase A	54	°F
Distance Travelled with Light ON	0	miles
Inverter A IGBT Temperature for phase B	54	°F
GPS Date - Year	0	Year
UTC Time - Hours	0	Hours
Motor B Torque	-0.369	Ft-Lbs
GPS Date - Month	1	

HV Battery Sleep Time	0	Days
Motor A Torque	0.000	Ft-Lbs
UTC Time - Minutes	0	
GPS Date - Day	1	Days
UTC Time - Seconds	2	seconds
ECU Time - Milliseconds	131	ms

HCP | P1AEE-00 | Stored | MCPA HV Battery System Voltage High-

NAME	VALUE	UNITS
Pending DTC	False	
Test Failed This Operation Cycle	False	
DTC	1A EE 00	
Warning Indicator Requested	False	
Confirmed DTC	True	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Test Not Completed Since Last Clear	False	
Occurrence flag	Occurrence	
Test Failed	False	
PHEV Charging Status	No Charging	
Brake Switch Status	Not Applied	
PRND Position Display	N	
Ignition State	Reserved	
Propulsion System Active	False	
Motor A Phase U Cross Conduction Fault - High-Side	False	
Motor A Phase U Short Fault - High-Side	False	
Motor A Phase U Comm Error High Voltage Regulator Fault - High-Side	False	
Motor A Phase U Thermal Shutdown Fault - High-Side	False	
Motor A Phase U Over Current Fault - High-Side	False	
Motor A Phase U Thermal Warning Fault - High-Side	False	
Motor A Phase U SPI Error Fault - High-Side	False	
Motor A Phase U Hardware Error Fault - High-Side	False	
Motor A Phase U Short Fault - Low-Side	False	
Motor A Phase U Cross Conduction Fault - Low-Side	False	
Motor A Phase U SPI Error Fault - Low-Side	False	
Motor A Phase U Over Current Fault - Low-Side	False	
Motor A Phase U Thermal Warning Fault - Low-Side	False	
Motor A Phase U Comm Error Low Voltage Regulator Fault - High-Side	False	
Motor A Phase V Short Fault - High-Side	False	
Motor A Phase V Cross Conduction Fault - High-Side	False	
Motor A Phase V Over Current Fault - High-Side	False	
Motor A Phase U Hardware Error Fault - Low-Side	False	
Motor A Phase U Thermal Shutdown Fault - Low-Side	False	
Motor A Phase V Thermal Shutdown Fault - High-Side	False	

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

Motor A Phase U Over Voltage Fault VL - Low-Side	False	
Motor A Phase U Under Voltage Fault VDD - High-Side	False	
Motor A Phase U Under Voltage Fault VL - High-Side	False	
Motor A Phase U Under Voltage Fault VL - Low-Side	False	
Motor A Phase U Over Voltage Fault VDD - Low-Side	False	
Motor A Phase U Over Voltage Fault VH - Low-Side	False	
Motor A Phase U Under Voltage Fault VH - Low-Side	False	
Motor A Phase V Over Voltage Fault VH - High-Side	False	
Motor A Phase V Under Voltage Fault VH - High-Side	False	
Motor A Phase U Comm Error High Voltage Regulator Fault - Low-Side	False	
Motor A Phase U Under Voltage Fault VDD - Low-Side	False	
Motor A Phase V Under Voltage Fault VL - High-Side	False	
Motor A Phase U Comm Error Low Voltage Regulator Fault - Low-Side	False	
Motor A Phase V Under Voltage Fault VH - Low-Side	False	
Motor A Phase V Over Voltage Fault VL - Low-Side	False	
Motor A Phase V Over Voltage Fault VDD - High-SideSide	False	
Motor A Phase V Over Voltage Fault VL - High-Side	False	
Motor A Phase V Under Voltage Fault VDD - Low-Side	False	
Motor A Phase V Under Voltage Fault VDD - High-Side	False	
Motor A Phase V Over Voltage Fault VH - Low-Side	False	
Motor A Phase V Comm Error Low Voltage Regulator Fault - Low-Side	False	
Motor A Phase W Cross Conduction Fault - High-Side	False	
Motor A Phase W Over Voltage Fault VH - High-Side	False	
Motor A Phase V Comm Error High Voltage Regulator Fault - Low-Side	False	
Motor A Phase V Under Voltage Fault VL - Low-Side	False	
Motor A Phase V Over Voltage Fault VDD - Low-Side	False	
Motor A Phase W Over Voltage Fault VL - High-Side	False	
Motor A Phase W Over Voltage Fault VDD - High-Side	False	
Motor A Phase W Under Voltage Fault VDD - High-Side	False	
Motor A Phase W Comm Error High Voltage Regulator Fault - High-Side	False	
Motor A Phase W Under Voltage Fault VL - High-Side	False	
Motor A Phase W Under Voltage Fault VH - High-Side	False	
Motor A Phase W Under Voltage Fault VH - Low-Side	False	
Motor A Phase W Over Voltage Fault VH - Low-Side	False	
Motor A Phase W Over Voltage Fault VL - Low-Side	False	
Inverter A Status Feedback	Inverter Faulted	
Motor A Phase W Over Voltage Fault VDD - 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	
Motor A Phase W Comm Error High Voltage Regulator Fault - Low-Side	False	
Original Odometer Value	409.8	miles
Real time clock	9070150	sec
Frequency Counter	1	
Most Recent Odometer Value	409.8	miles

RAM Stamps	3286	Min
Engine Speed	0	rpm
Available Motor Torque - Motor A	0.000	Ft-Lbs
Electric Motor A Speed	-7006.5	rpm
HV Battery SOC	76	%
Ignition Cycle Counter	0	
Accelerator Pedal Position	0	%
Vehicle Speed	51.5787	MPH
RAM stamps keyOn	60	sec
Actual Torque - Motor A	0.369	Ft-Lbs
Inverter A Input DC Current	0.0	AMP
Engine Coolant Temperature	144	°F
Motor A - Inverter Current - phase A	-144	AMP
Battery Feed Voltage 2 Sense	13.392	Volts
Barometric Pressure	15	PSI
Motor A Resolver Supply Voltage Value	15.75	Volts
Motor A - Inverter Current - phase C	44	AMP
Motor A - Inverter Current - phase B	96	AMP
Battery Feed Voltage 3 Sense	13.320	Volts
Internal EPS Voltage Sense B	8.136	Volts
PIM DC Link Voltage - B	456	Volts
Low Temp Active Pump Speed	0	rpm
Outside Air Temperature	23.0	°F
Passive Pump Coolant Temp In Sensor	34	°F
PIM DC Link Voltage - A	451	Volts
High Temp Aux Pump - Actual Speed	408	rpm
Internal EPS Voltage Sense A	8.136	Volts
Battery Feed Voltage 1 Sense	13.392	Volts
Available Regen Torque - Motor A	0.000	Ft-Lbs
Commanded Torque - Motor B	0.000	Ft-Lbs
Commanded Torque - Motor A	0.000	Ft-Lbs
Available Motor Torque - Motor B	0.000	Ft-Lbs
Actual Torque - Motor B	1.106	Ft-Lbs
Motor B - Inverter Current - phase C	180	AMP
Motor B Temp Sensor	109	°F
HV Battery Voltage from BPCM	416.90	Volts
Available Regen Torque - Motor B	0.000	Ft-Lbs
Motor B - Inverter Current - phase B	-232	AMP
Motor B Resolver Angle	100	Degree
Inverter A IGBT Temperature for phase B	37	°F
Electric Motor B Speed	5687.0	rpm
Motor B - Inverter Current - phase A	36	AMP
Inverter A IGBT Temperature for phase A	37	°F
Inverter B IGBT Temperature for phase B	37	°F

Inverter B IGBT Temperature for phase C	37	°F
Inverter A IGBT Temperature for phase C	37	°F
Motor A Torque	0.369	Ft-Lbs
HV Battery Sleep Time	0	Days
Inverter B IGBT Temperature for phase A	37	°F
GPS Date - Year	2021	Year
Motor B Torque	1.106	Ft-Lbs
GPS Date - Month	4	
Distance Travelled with Light ON	6	miles
GPS Date - Day	1	Days
UTC Time - Hours	12	Hours
UTC Time - Minutes	12	
UTC Time - Seconds	0	seconds
ECU Time - Milliseconds	900	ms

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

NAME	VALUE	UNITS
DTC	1A EF 00	
Test Failed	False	
Test Failed This Operation Cycle	False	
Confirmed DTC	True	
Pending DTC	False	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
Occurrence flag	Occurrence	
Brake Switch Status	Not Applied	
PHEV Charging Status	No Charging	
Ignition State	Reserved	
PRND Position Display	N	
Propulsion System Active	False	
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 Warning Fault - High-Side	False	
Motor B Phase U Thermal Shutdown Fault - High-Side	False	
Motor B Phase U Comm Error High Voltage Regulator Fault - High-Side	False	
Motor B Phase U SPI Error Fault - High-Side	False	
Motor B Phase U Hardware Error Fault - High-Side	False	
Motor B Phase U Short Fault - Low-Side	False	
Motor B Phase U Cross Conduction Fault - Low-Side	False	
Motor B Phase U Over Current Fault - Low-Side	True	

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

Motor B Phase W Over Voltage Fault VDD - Low-Side	False	
Motor B Phase W Under Voltage Fault VDD - Low-Side	False	
Original Odometer Value	409.8	miles
Most Recent Odometer Value	409.8	miles
Frequency Counter	1	
Ignition Cycle Counter	0	
Real time clock	9070152	sec
RAM stamps keyOn	60	sec
RAM Stamps	3286	Min
Accelerator Pedal Position	0	%
Engine Speed	0	rpm
HV Battery SOC	76	%
Barometric Pressure	15	PSI
Vehicle Speed	51.3554	MPH
Engine Coolant Temperature	144	°F
Available Motor Torque - Motor B	0.000	Ft-Lbs
Actual Torque - Motor B	1.844	Ft-Lbs
Inverter B Input DC Current	0.0	AMP
Electric Motor B Speed	5667.0	rpm
Motor B - Inverter Current - phase A	-168	AMP
Motor B - Inverter Current - phase B	228	AMP
Motor B - Inverter Current - phase C	-68	AMP
Motor B Resolver Supply Voltage Value	15.75	Volts
Battery Feed Voltage 2 Sense	13.392	Volts
Internal EPS Voltage Sense B	8.136	Volts
Internal EPS Voltage Sense A	8.136	Volts
Battery Feed Voltage 1 Sense	13.392	Volts
Battery Feed Voltage 3 Sense	13.320	Volts
Actual Torque - Motor A	0.461	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
Motor A - Inverter Current - phase A	-104	AMP
Motor A - Inverter Current - phase B	-48	AMP
Motor A - Inverter Current - phase C	144	AMP
Motor A Temp Sensor	77	°F
Motor A Resolver Angle	42	Degree
Outside Air Temperature	23.0	°F
HV Battery Voltage from BPCM	481.50	Volts
Electric Motor A Speed	-6983.5	rpm
PIM DC Link Voltage - A	451	Volts
PIM DC Link Voltage - B	456	Volts

Inverter A IGBT Temperature for phase A	37	°F
Inverter A IGBT Temperature for phase B	37	°F
Inverter A IGBT Temperature for phase C	37	°F
Inverter B IGBT Temperature for phase A	37	°F
Inverter B IGBT Temperature for phase B	37	°F
Inverter B IGBT Temperature for phase C	37	°F
Distance Travelled with Light ON	6	miles
Motor A Torque	0.461	Ft-Lbs
Motor B Torque	1.844	Ft-Lbs
HV Battery Sleep Time	0	Days
GPS Date - Year	2021	Year
GPS Date - Day	1	Days
GPS Date - Month	4	
UTC Time - Hours	12	Hours
UTC Time - Minutes	12	
UTC Time - Seconds	0	seconds
ECU Time - Milliseconds	44	ms

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

NAME	VALUE	UNITS
DTC	95 6D 00	
Test Not Completed Since Last Clear	False	
Test Not Completed This Operation Cycle	False	
Test Failed	False	
Pending DTC	False	
Warning Indicator Requested	False	
Confirmed DTC	True	
Test Failed This Operation Cycle	False	
DTC Extended Data Record Number - All	01	
Test Failed Since Last Clear	True	
Occurrence flag	Occurrence	
Frequency Counter	1	
Ignition Cycle Counter	63	
Most Recent Odometer Value	20	miles
Original Odometer Value	20	miles

SNAPSHOT DATA SUMMARY

No Snapshot Data available for B1975-00

No Snapshot Data available for B10EB-00

No Snapshot Data available for U151A-87

No Snapshot Data available for P0513-00

No Snapshot Data available for P0A3D-00

No Snapshot Data available for P0BF6-00

No Snapshot Data available for P0BFA-00

No Snapshot Data available for P0BFC-00

No Snapshot Data available for P0BFE-00

No Snapshot Data available for P0C04-00

No Snapshot Data available for P0C1A-00

No Snapshot Data available for P16F9-00

No Snapshot Data available for P1AEE-00

No Snapshot Data available for P1AEF-00

No Snapshot Data available for B156D-00