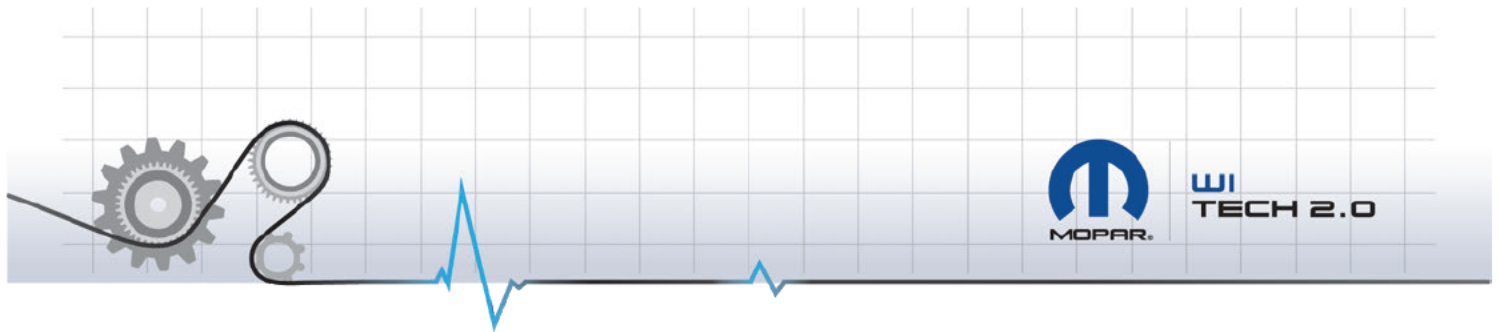


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CONFIGURATION REPORT

Vehicle 2019 CHRYSLER PACIFICA 3.6L V6 HYBRID ENGINE
VIN [REDACTED]

Odometer 21992.5 miles
Publication Date Jun 2, 2022, 9:36:16 AM

ECU SUMMARY INFO

ECU	NAME	BUS TYPE	FLASH PART #	CURRENT VIN	ORIGINAL VIN	PART #
PCM	Powertrain Control Module	CAN-C	68416681AG	[REDACTED]	[REDACTED]	68416681AG
ICS	Integrated Center Stack	CAN-I	6EV301X8AB			6EV301X8AB
RFH	Radio Frequency Hub	CAN-C	68383680AB			68383680AB
ESM	Electronic Shifter	CAN-C	68240089AL			68240089AL
ORC	Occupant Restraint	CAN-C	68405567AB			68405567AB
EPS	Electric Power Steering	CAN-C	68416741AA			68416741AA
HVAC	Heat, Ventilation and A/C	CAN-I	68406613AA			68406613AA
DDM	Driver Door Module	CAN-I	68316561AD			68316561AD
PDM	Passenger Door Module	CAN-I	68316560AD			68316560AD
DMRL	Door Module Rear Left	CAN-I	68225096AG			68225096AG
DMRR	Door Module Rear Right	CAN-I	68225096AG			68225096AG
PSDML	Power Sliding Doors (Left)	CAN-I	68369596AB			68369596AB
PSDMR	Power Sliding Doors (Right)	CAN-I	68369596AB			68369596AB
PLGM	Power Liftgate	CAN-I	68316094AF			68316094AF
AMP	Amplifier	CAN-I	68338770AC			68338770AC
IPC	Instrument Panel Cluster	CAN-C	68405292AC			68405292AC
PTS	Parktronics	CAN-C	68193772AJ			68193772AJ
SCCM	Steering Column Control Module	CAN-C	68360889AC			68360889AC
BCM	Body Controller	CAN-C	68402177AB			68402177AB
HSM	Heated Seat Module	CAN-I	68414665AA			68414665AA
RADIO	Radio	CAN-I	68401442AB			68401442AB
OCM	Occupant Classification	CAN-C	68403127AA			68403127AA

HVACR	Heat, Ventilation and A/C Rear	CAN-I	68373079AB		68373079AB
LBSS	Left Blind Spot Sensor	CAN-I	04672786AB		04672786AB
RBSS	Right Blind Spot Sensor	CAN-I	04672786AB		04672786AB
APM	Accessory Power Module	CAN-C	05185046AB		05185046AB
BPCM	Battery Pack Control Module	CAN-C	05193166AF		05193166AF
HCP	Hybrid Control Processor	CAN-C	05190240AQ		05190240AQ
OBCM	On Board Charging Module	CAN-C	05185047AD		05185047AD
DSM	Display Screen Module	CAN-I	68316175AB		68316175AB
RCCC	Rear Cabin Comfort Controls	CAN-I	68395990AA		68395990AA
EAC	Electric A/C Compressor	CAN-C	68237995AG		68237995AG
AHCP	Auxiliary Hybrid Control Processor	CAN-C	05190241AQ		05190241AQ
EBBM	Electronic Brake Booster Module	CAN-C	68461813AB		68461813AB
ABSO	Anti Lock Brakes OBD	CAN-C	68283578AD		68283578AD
SGW	Security Gateway Module	CAN-C	68420261AA		68420261AA

ECU SUMMARY INFO (CONT...)

ECU	COUNTRY CODE	HARDWARE VERSION	SOFTWARE VERSION	IDENT	CVNS
PCM	USA	1B 47	46 04 00	4419	
ICS	USA	0F 0C 00	11 16 00	4400	
RFH	USA / USA	10 17 00	12 08 00	4A00	
ESM	USA / USA	0F 24 00	12 02 FF	4402	
ORC	USA / USA	11 1F 00	11 27 00	4301	
EPS	USA / USA	12 02 03	11 15 01	4502	
HVAC	USA	0E 09 00	11 29 01	4401	
DDM	USA / USA	11 30 00	17 42 00	4102	
PDM	USA	11 30 00	17 42 00	4102	
DMRL	USA / USA	10 0B 00	12 0C 00	4201	
DMRR	USA / USA	10 0B 00	12 0C 00	4201	
PSDML	USA / USA	10 17 00	11 2D 10	4001	
PSDMR	USA / USA	10 17 00	11 2D 10	4001	
PLGM	USA	17 19 00	18 22 00	4202	
AMP	USA	17 2A 01	12 0F 00	4030	
IPC	USA / USA	12 0A 00	12 10 00	4704	
PTS	USA	0E 32 00	12 1F 00	4311	
SCCM	USA	0E 30 00	10 2B 00	4301	
BCM	USA	0D 11 00	12 0B 90	4415	

HSM	USA / USA	15 12 00	12 05 01	4003	
RADIO	USA	12 21 24	12 21 24	8205	
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	
APM	USA / USA	11 32 00	11 32 00	4001	
BPCM		0E 03 00	14 17 00	4005	
HCP	USA	11 1F 04	14 08 01	4005	
OBCM	USA	0F 0D 00	11 2B 00	4002	
DSM	USA / USA	11 16 00	11 15 00	4000	
RCCC	USA	0F 1D 00	11 16 00	4000	
EAC	USA	0E 34 00	12 0F 00	4102	
AHCP	USA	11 1F 04	14 08 01	4000	
EBBM	USA	0E 19 02	14 0D 18	4000	
ABSO	USA	0E 15 02	14 13 17	4201	
SGW		5	564	4102	

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	
Wastegate HBridge Equipped	False	
Mechanical Coolant Pump Equipped	False	
Aux Coolant Pump Heater Equipped	False	
Heater Temp Control Valve Equipped	False	
High Side Port Tumble Valve Equipped	False	
A/C Equipped	False	
VLP Equipped Indicator	False	
Aisin 6-Speed RWD Transmission Equipped	False	
2.0 Liter I4 engine	False	
Buffered Crank Output for ANC (Active Noise Cancellation) Equipped	True	
Linear PWM Fan Relay System Equipped	False	
O2 Sensor Bank 2 Sensor 1 Equipped	True	
Electronic Automatic Transmission (EATX) Equipped	False	
CUSW PROXI Write Programming Support Enabled	False	
3.7 Liter V6 Engine	False	
Adaptive Cruise Control Hardware Equipped	False	
Wide Range O2 Sensor 1/1 Equipped	False	
2.7 Liter V6 Engine	False	

Wastegate H-Bridge Equipped	Undefined	
Dual Stage Oil Pump Equipped	True	
O2 Sensor Bank 1 Sensor 2 Equipped	True	
Air Shutoff Valve Bank 1 Control Solenoid 1 Equipped	False	
VLP Is Learnable Indicator	False	
O2 Sensor Bank 1 Sensor 3 Equipped	False	
Knock Sensor 1 Equipped	True	
Coolant On-Off Pump Equipped	False	
ICC Cruise Equipped	False	
Vehicle Speed Sensor #1 Calculated from CAN	False	
Exhaust Cam 1 Equipped	True	
Primary Lin Alternator Equipped	False	
Air Shutoff Valve Bank 1 Control Solenoid 2 Equipped	False	
CUSW (11-Bit) Equipped	False	
Unleaded diesel fuel	False	
PTO System Equipped	False	
Duty Cycle Purge Valve Equipped	True	
Cooled EGR Equipped	False	
Dual Fuel Tank Equipped	False	
Power Steering Switch Equipped	False	
Low Temperature Radiator Coolant Pump Equipped	False	
Constant Heater Temperature Control Valve Equipped	False	
VFS Actuators Available Indicator	False	
1 Speed Fan Mechanical Relay System Equipped	False	
4 Speed Automatic Transmission Equipped	False	
Engine Oil Heater Cooler Equipped	True	
Electric Thermostat Heater Equipped	False	
Supercharger Equipped	False	
Wide Range O2 Sensor 2/1 Equipped	False	
Inrush Current Reduction Relay Equipped	False	
High Side Port Tumble Valve Equipped	Undefined	
Active Grille Shutter Equipped	True	
Coolant On-Off Valve Equipped	False	
2 Speed Fan 3 Driver 3 Relay System Equipped	False	
Engine Stop Start Equipped	False	
2.4 Liter WI4 engine	False	
GPEC4 Equipped	False	
Next Gen Bus Equipped	False	
Compressed Natural Gas Equipped	False	
Secondary Air Equipped	False	
MDS Equipped	False	
Transmission Oil Heater Equipped	False	
1.8 Liter WI4 engine	False	
Knock Sensor 2 Equipped	True	

4.7 Liter V8 Engine	False	
5.7 Liter V8 Engine	False	
O2 Sensor Bank 1 Sensor 1 Equipped	True	
DUAL_ALTERNATOR_GEN1_LEARNEDCOPY	False	
Cummins Equipped	False	
Active Engine Mount Equipped	False	
4 Button Integrated Cruise Control	False	
3.3 Liter V6 Engine	False	
Intake Cam 1 Equipped	True	
Transmission Software Included	False	
45RFE / 545RFE / 65RFE	False	
Vehicle Speed Sensor #1 Calculated by ECU	False	
Tumble Generator Valve Equipped	False	
Trans Skip Shift Equipped	False	
Mechanical Coolant Pump Heater Equipped	False	
Battery Temp Sensor Equipped	False	
Air Shutoff Valve Bank 2 Control Solenoid 2 Equipped	False	
Fiat 940 Compact Equipped	False	
ERS Equipped Indicator	False	
ZF 9-Speed Transmission Equipped	False	
Oil Pressure Sensor Enabled	True	
Dual Speed Fuel Pump Equipped	False	
Unleaded Gasoline Fuel	True	
WI4 Intake Flow Control Valve Equipped	False	
3.5 Liter V6 Engine	False	
Secondary Fuel Pump Equipped	False	
Port Flap Valve Equipped	False	
Hybrid Electric Vehicle Equipped	True	
Variable Displacement AC Equipped	False	
Brake Pedal Sensor Equipped	False	
Starter Relay 2 Equipped	False	
Yaw Rate Sensor ESC Equipped	False	
O2 Sensor Bank 2 Sensor 2 Equipped	True	
SRV Equipped	False	
3.8 Liter V6 Engine	False	
AC Equipped Over Bus	False	
Fixed displacement AC Equipped	True	
Electric Water Pump Equipped	False	
ESIM Equipped	False	
Trans Reverse Lockout Equipped	False	
6.4 Liter V8 Engine	False	
Electronic Vacuum Pump Equipped	False	
PWM Fan Motor System Equipped	True	
Electric Coolant Valve Equipped	False	

Active Exhaust Valve Equipped	False	
Rear Heater Equipped	False	
GPEC3 Equipped	False	
TOOLCONFIG_OIL_PRESS_ABS_EQUIPPED	True	
EMAT (Getrag DCT transmission) Equipped	False	
TIP Equipped	False	
ETC Cruise equipped	False	
Electronic Coolant Pump Equipped	False	
Turbine Volute Valve Actuator Equipped	Undefined	
GPEC2A Equipped	True	
Viscosity Sensor Equipped	False	
Fan Wake Up Relay System Equipped	False	
Adaptive Cruise Control Equipped	False	
6.2 Liter V8 Engine	False	
Direct Injection Equipped	False	
Auxiliary Coolant Pump Equipped	False	
Engine Software In Package	True	
3.2 Liter V6 Engine	False	
CMCV H-Bridge Equipped	Undefined	
Electronic Throttle Control Equipped	True	
2 Speed Fan Mechanical Relay System Equipped	False	
42RLE	False	
Auxiliary Heater Electric Water Pump Equipped	False	
Exhaust Cam 2 Equipped	True	
62TE	False	
Intake Cam 2 Equipped	True	
Sensorless FFV Enabled	False	
HPT 6-Speed Transmission Equipped	False	
Engine Idle Shutoff Equipped	False	
6.1 Liter V8 Engine	False	
Turbocharger Equipped	False	
Shift Indicator Lamp Equipped	False	
4.0 Liter I6 Engine	False	
MultiAir Equipped	False	
MTV Solenoid Equipped	False	
1.0 Liter I3 Engine	False	
Throttle Inlet Temp Sensor Equipped	False	
66RFE / 68RFE	False	
CUSW (29-Bit) Equipped	False	
Police Package Equipped	False	
3 Speed Fan Mechanical Relay System Equipped	False	
WI4 Variable Valve Timing Equipped	True	
VMM Equipped	False	
AC Equipped	False	

Active Exhaust Pressure Sensor Equipped	False	
Powernet Equipped	True	
Dual Fuel Pressure Sensor Equipped	False	
3.0 Liter V6 Engine	False	
3.6 Liter V6 Engine	True	
40TE / 41TE / 41TEA	False	
Fiat VIN Learning Strategy Equipped	False	
Linear EGR Equipped	False	
Brushless PWM Fan Equipped	NOT_FAN_PWM_BOSCH_BRUSHLESS_CNFG	
Clutch Interlock Switch Equipped	False	
2 Speed Fan PWM Relay System Equipped	False	
Barometric Sensor Equipped	False	
Linear Purge Equipped	False	
Continuous Variable Transmission Equipped	False	
Variable Speed Fuel Pump Equipped	True	
Operator Idle Speed Request Equipped	False	
GPEC2 Equipped	False	
Humidity, Temperature and Pressure Sensor (LIN) Equipped	False	
Auxiliary Coolant Pump Heater Equipped	Undefined	
Buffered Crank Output for PHEV Engine Pulse Calculation Equipped	True	
Coolant On-Off Pump Equipped	Not Equipped	
Variable Valve Lift Equipped	Not Equipped	
2.0 Liter I4 Direct Injection Engine	False	
Primary Lin Alternator Equipped	Not Equipped	
1.0 Liter I3 Engine	False	
Engine Oil Pressure Sensor Type	255	None
Supercharger Equipped	False	
A/C Relay Powered from Engine Switched Battery	False	
HPT 6-Speed Trans Equipped	False	
Auxillary Coolant Pump Equipped	False	
Dual Alternator Gen1 Capable	False	
Dual Fuel Tank Equipped	False	
Hybrid MEC Shifter Equipped	False	
Low Temp Radiator Coolant Pump Equipped	False	
ZF 9-Speed Trans Equipped	False	
PTO System Equipped	False	
Cooled EGR Equipped	False	
CNG Large Gas Tank Equipped	False	
Engine Idle Shutoff Equipped	False	
CUSW 4-Button Cruise Equipped	False	
Cylinder Pressure Sensor Equipped	False	
SWAP HARDWIRED BRAKE SWITCH INPUTS	False	
Clutch Sensor Equipped	False	
Make Up Air Sensor Equipped	False	

INTAKE O2 SENSOR EQUIPPED	False	
Mass Airflow System Equipped	False	
5 Button Cruise (LIN) Equipped	True	
LIN Humidity, Temp, and Pressure Sensor Equipped	False	
Bi-Directional Crank Sensor Equipped	True	
Dual Fuel Pressure Sensor Equipped	False	
Operator Idle Speed Request Equipped	False	
Brake Pedal Sensor Equipped	False	
Power Steering Angle Sensor Mandatory	False	
Throttle Inlet Temp Sensor Equipped	False	
Remote Start Present	Present	

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

Second Row Left Seat Side Airbag	Not Configured	
Left Up-Front Acceleration Sensor	Configured	
Driver Frontal Squib 1	Configured	
Passenger Frontal Squib 3	Configured	
EPPM	Not Configured	
Driver Frontal Squib 2	Configured	
Configuration Column Identifier	A3	
Left Curtain Squib 1	Configured	
First Row Driver Seatbelt Buckle Switch	Configured	
Left C-Pillar Impact Acceleration Sensor	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	False	

HVAC CONFIGURATION

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

DDM CONFIGURATION

NAME	VALUE	UNITS
Global Down	False	
Memory Feature	False	
EC Mirrors	False	
Heated Mirror	True	
Global Up	False	
Power Folding Mirror	False	
Window Motor Hall Sensors	False	
Mirror Puddle Lamps	False	
Sun Shade	False	
Ambient Temperature Sensor	False	
Door Handle LED (Ambient Lights)	True	
Blindspot Mirror	True	
Mirror approach lights	False	

Door Courtesy Lamp	False	
Mirror Signal Lamp	False	
Map Pocket LED (Ambient Lights)	False	
Window express feature	True	
Tow Mirrors	False	

PDM CONFIGURATION

NAME	VALUE	UNITS
Sun Shade	False	
Door Courtesy Lamp	False	
Door Handle LED (Ambient Lights)	True	
Frameless Window	False	
Window express feature	True	
Global Down	False	
EC Mirrors	False	
Puddle lamps	False	
Ambient Temperature Sensor	False	
Power Folding Mirror	False	
Global Up	False	
Window Motor Hall Sensors	False	
Tow Mirrors	False	
Mirror Signal Lamp	False	
Heated Mirror	True	
Memory Feature	False	
Map Pocket LED (Ambient Lights)	False	
Blindspot Mirror	True	

PSDML CONFIGURATION

NAME	VALUE	UNITS
VSIM Status	False	

PSDMR CONFIGURATION

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

AMP CONFIGURATION

NAME	VALUE	UNITS
Current ANC Calibration ID - Service	RU PHEV 3.6L: Steel Roof & Alpine AMP	
ANC Status	Off - Window Mute	
Left/Right Hand Drive	Left Hand Drive	
Current EQ Checksum	7E 7D B6 85	
Premium - 3	False	
Premuim - 1 (8 channel)	False	
Premuim - 2 (12 Channel)	True	

Non -ANC	False	
Teen Key Present	False	
Sub-EQ Set Selected	Sub-EQ#2 Selected	
Cabin Equalization Curve Number	52	
Surround Sound Activated	Set	
ANC Calibration Date - Year	16	
ANC Calibration Date - Week	24	
ANC Calibration Date - Patch Level	0	
Door Module - Right Rear	Present	
Door Module - Left Front	Present	
Door Module - Left Rear	Present	
Door Module - Right Front	Present	

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	0	
Vehicle Configuration Programmed Status	True	
Last Programmed Status	Service	
ECU Configuration 5 (Memory)	2	
ECU Configuration 2 (CBC Features)	2	
Programmed Network Configuration - Audio / Telematics Network	0	
Programmed ECUs: P/T Chassis Network	2	
ECU Configuration 5 (Wireless)	2	
Last Configuration Odometer	6532	miles
Vehicle Configuration Auto Write Counter	1	

Programmed ECUs: Cabin Network	2	
Vehicle Configuration 2 - Write Counter	2	
ECU Configuration 9A	3	
ECU Configuration 15 (CBC Features)	2	
ECU Configuration 1 (CBC Configurable Inputs and Outputs)	2	
Vehicle Config CSM2	2	
ECU Configuration 6 (Powertrain)	2	
ECU Configuration 6 (Suspension)	2	
ECU Configuration 6 (Safety)	2	
Programmed ECUs: Hybrid LAN Network	0	
Vehicle Configuration 3 - Write Counter	2	
ECU Configuration 12	2	
ECU Configuration 9 (ITM)	2	
ECU Configuration 13	2	
ECU Configuration 5 (Doors)	2	
ECU Configuration 6 (Brake)	2	
ECU Configuration 3	2	
ECU Configuration 14	2	
Vehicle Configuration 1 - Write Counter	2	
ECU Configuration 15 (Suspension)	2	
ECU Configuration 10	2	
Vehicle Configuration 4 - Write Counter	2	
Vehicle Configuration 5 - Write Counter	2	
ECU Configuration 8 (LIN and Miscellaneous)	2	
ECU Configuration 11	2	
ECU Configuration 7 (CBC Exterior Lighting Calibrations)	2	
Vehicle Configuration 7 - Write Counter	2	
ECU Configuration 4	2	
Vehicle Configuration 6 - Write Counter	2	
Vehicle Config CSM1	3	
Vehicle Line	RU	
Auto Highbeam	Not Set	
Hill Descent Feature Present	Not Set	
Country Code	USA	
Remote Start Present	Set	
Model Year	2019	
Special Packages	74	
Emode Present	Not Set	
PTS Configuration	Rear / REAR	
Shifter Type	5 Position Rotary Eshifter PRNDL / Type RS5L	
Left/Right Hand Drive	Left Hand Drive	
Select Speed Control Feature Present	Not Set	
Body Style	Station Wagon	
Performance Pages Present	Not Present	

Drive Configuration	2WD Front	
Maximum Vehicle Speed	0	MPH
Cruise Feature is Present	Set	
Flipper Glass Present	Not Set	
Off Road Capable	Not Set	
Power Inverter Type	No Power Inverter	
Max Load Inflation Pressure Front Tire	36.0	PSI
Rain Sensor Present	Not Set	
Max Load Inflation Pressure Rear Tire	36.0	PSI
Air Conditioning Present	Not Set	
Thatcham Present	Not Set	
SKIM System Present	Not Set	
Full Size Spare	Not Set	
Special Packages IC	No Package / NONE	
Power Right Sliding Door Present	Set	
Two Fuel Sending Units Present	Not Set	
Collision Mitigation System present	Not Set	
Forward Collision Warning present	Not Set	
Display Outside Temperature Present	Set	
Auto Park Present	Set	
Police Lighting Feature	Not Set	
Base TPM system present	Not Set	
Fuel Capacity	17	gallons
Vehicle is an SRT	Not Set	
Premium TPM system present	Set	
Vehicle Brand	Chrysler	
Paddle Shift Feature Present	Not Set	
Door Alert Feature Present	Not Set	
HVAC Configuration	Dual Zone ATC + Rear	
High Intensity Discharge Head Lamps	Not Set	
ELV Present	Not Set	
Wheel Base	Wheel base not programmed / WB_NP	
FOBIK Safe Enable	Set	
Passive Entry Present	Set	
Window Express Feature Configuration	Front windows express only	
Secondary Lock Present	Not Set	
Liftgate/Trunk Type	Power Liftgate	
T-Case Type	Not Present / Not Present	
RKE System Present	Set	
Sport Mode Present	Not Set	
Power Left Sliding Door Present	Set	
Auto Headlamp Feature Present	Set	
Adjustable Pedal Feature Present (non-Memory)	Not Set	

Display Compass Heading Present	Set	
Keyless Go Present	Set	
Chassis Type	Type 9	
Disable Display of Radio Clock	Not Set	
ESCL system present	Not Set	
Axle Ratio	3.251	
Dynamic Tire Circumference (All or Rear)	89	inch
Transfer Case High Ratio	1.000	No Unit
Transfer Case Low Range Reduction Ratio	0.000	
Analog Door Sensor Configuration	Driver Door Only Analog Sensor	
Air Quality System Present	Not Set	
Steering Ratio at Negative Angle 1	0.0	No Unit
Connector F Pin 29: Horn Switch Present	Set	
Connector D Pin 22/ Connector D Pin 23: Ambient Temperature Signal/Return Present	Set	
Connector E Pin 11: Vacuum Switch Input	Not Set	
Connector E Pin 9: Run-ACC Y Relay #2 Output Present	Set	
Connector E Pin 48 (Tied internally to Connector A Pin16): Rear Wiper Motor Control Output Present	Set	
Connector G Pin 22: VTA Warning LED Output Present	Set	
Connector G Pin 15: UGDO Feed Output Present	Set	
Connector A Pin 3/Connector D Pin 2: Low Beam Output Present	Set	
Connector F Pin 35: Inverter Enable Relay Output Present	Not Set	
Connector A Pin 1 and Connector D Pin 13: Front Fog Lamps Output Present	Set	
Connector E Pin 39/Connector F Pin 5: Rear Fog Lamps Output Present	Not Set	
Connector F Pin 23: Door Lock Switch Signal Front Passenger Present	Set	
Connector D Pin 7: Stop/Turn Trailer Tow Right Output Present	Not Set	
Connector E Pin 29: Rear Wiper Motor Park Signal Present	Set	
Connector D Pin 12: PHEV ECM Hardwire Wake Up Output Present	Set	
Connector F Pin 6: Fuel Door Motor Output Signal Present	Set	
Connector E Pin 3/Connector F Pin 42: Rear Turn Lamps Output Present	Not Set	
Connectro E Pin 37: Right HID Control Output Present	Not Set	
Connector D Pin 10: Trailer Tow Tail Lamp Output Present	Not Set	
Connector A Pin 22: Right Dedicated DRL Lamp Output Present	Set	
Connector F Pin 9: Analog Door Ajar Signal Front Driver Present	Set	
Connector G Pin 9: Ambient Light Dimmer Wheel Input Present	Set	
Connector A Pin 10/Connector D Pin 5: Side Markers Output Present	Set	
Connector E Pin 41: Charge Port Unlock Output Present	Set	
Connector E Pin 34: Vacuum Cleaner Relay Output Present	Not Set	
Connector D Pin 11: Stop/Turn Trailer Tow Left Output Present	Not Set	
Connector E Pin 8: PHEV HCP Hardwire Wakeup	Set	
Connector E Pin 4/Connector F Pin 32: Rear Park Lamps Output Present	Set	
Connector A Pin 11: Hood Ajar Switch Input Present	Set	
Connector E Pin 5: PHEV Fuel Door Switch Input	Set	
Connector D Pin 9: Trailer Tow Backup Output Present	Not Set	

Connector E Pin 42: Charge Port Lock Output Present	Set	
Connector E Pin 7: Left HID Relay Control Output Present	Not Set	
Connector F Pin 8 : Liftgate Release Outside Handle Switch Present	Not Set	
Connector F Pin 4: Liftgate Release Present	Not Set	
Connector G Pin 24 (Internally tied to Connector F Pin 7): Ambient Lighting Output	Not Set	
Connector D Pin 15: Left Dedicated DRL Lamps Output Present	Set	
Fuel Door Release Enabled	Not Present	
DRL Dropout Enable	Set	
Tip Start Enabled	Set	
Front Wiper Wipes After Wash	2 Wipes	
LED Stop Lamps Present	Not Set	
Bi Xenon Headlamps Enable	Not Set	
Exterior Light Loadshed Enable	Set	
One Touch Lane Change	Set	
Hazard Lamp Configuration	Latching Switch	
LED Dedicated DRL Present	Set	
Combined Front Park/Turn Feature Enable	Not Set	
Headlamp Washer Low Fluid Shut-Off Enable	Set	
Combined Rear Lighting Enable	Set	
Dual Start Relay System Present	Not Set	
Illuminated approach Enabled	Not Set	
Rear Wiper Park Enable	Set	
Headlamp Wash Spray Duration (at 100 ms intervals)	1100ms	
LED CHMSL Lamp Present	Set	
LED License Lamps Present	Set	
Trailer Tow Present	Not Set	
Front Wiper Park Enable	Set	
LED High Beam Lamps Present	Not Set	
LED Rear Turn Lamps Present	Not Set	
LED Front Turn Lamps Present	Not Set	
Fuel Door Present	Not Set	
LED Low Beam Lamps Present	Not Set	
Quad Headlamps Enable	Set	
Reversible Washer Pump Enable	Set	
Headlamp Wash Shot	double	
Intermittent Wiper States	4 Intermittent Wiper position Switch	
Tunnel Detection	Not Set	
LED Reverse Lamps Present	Not Set	
LED Rear Fog Lamps Present	Not Set	
Park Lamp Loadshed Enable	Set	
Headlamp Wash Interval	wash cycle#11	
LED Front Park/Marker Lamps Present	Set	
Front Fog Lamp Dropout Enable	Set	
Horn Chirp Allowed	Set	

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

Electro-chromatic driver mirror present	Not Set	
Blindspot Mirror Present	Set	
Global Up	Not Set	
Frameless Window Present	Not Set	
Passenger Window Lockout	Not Set	
Tow Mirror Present	Not Set	
Window Motor Type	Not Set	
Stow 'n Assist Present - Driver	Not Set	
Front Vented Seats Present	Not Present	
Heated Seat Material Type	Perforated Leather	
Tilt/Telescope Steering Present	Not Set	
Driver Memory Seat Present	Not Set	
Memory Adjustable Pedals Present	Not Set	
Stow 'n Assist Present - Passenger	Not Set	
Rear Heated Seats Present	Not Present	
Heated Steering Wheel Present	Present	
Heated Wheel Material Type	Full Leather	
Brake System ECU Configuration A	value 0	
Dual Alternator Present	Not Set	
ECO Mode Configuration	Remember Previous State with Ignition Key Cycle	
Humidy Sensor Long Present	Set	
Connector F Pin 30: Fuel Door Lock (BUX)	Not Present	
Rain Sensor Module #2 Present	Not Set	
Connector F Pin 13: Left Sliding Door Switch Input (B-Pillar)	Left B-Pillar sliding Door Switch	
CHMSL Lamp Output Disable	Not Set	
Connector G Pin 2: Fog Lamp Switch Input	Fog Lamp Switch	
Connector F Pin 16: Passenger Door Lock Switch Input	Not Present	
Connecetor F Pin 33: Fuel Door Unlock (BUX)	Not Present	
Connector F Pin 34: Spare HSD	Not Present	
Connector D Pin 8: Digital Spare Input #2	Not Present	
Heatsoak Flush Time	105	Time
Connector F Pin 29: Horn Switch Present	Horn Switch Input	
Max Engine Off Time	220	Time
License Plate Lamp Disable	Not Set	
Heatsoak Set Time	15	Time
Engine Off Clear Time	180	Time
Connector G Pin11/Connector G Pin 12: Not Used	ERS	
Heatsoak Speed	15	Counter
Connector F Pin 15: Driver Door Lock Switch Input	Not Present	
Connector E Pin 48 (Tied internally to Connector A Pin16): Rear Wiper Motor Control Output Present	Rear Wiper (0)	
Connector D Pin 4: Digital Spare Input #1	Not Present	
Connector F Pin 14: Right Sliding Door Switch Input (B-Pillar)	Right B-Pillar Sliding Door Switch	
Connector E Pin 28: Secondary Door Ajar Switch Present - PIN E-28	Set	

Auto High Beam Module Location	None	
Connector E Pin 3: Left Rear Turn Signal	Left Rear Turn Signal	
Connector E Pin 39: Right Rear Turn Signal	Right Rear Turn Signal	
Manual Door Locks Present	Not Set	
Connector F Pin 37: Vacuum Cleaner Power Saver Indicator	Not Present	
Ambient Stable Counter Limit	40	Counter
Brake Smoothing Threshold	Filter Off	
Steering Smoothing Duration	Filter Off	
Maximum Lateral Change	Filter Off	
Brake Smoothing Duration	Filter Off	
Excess Lateral Acceleration Factor	Filter Off	
Nose Dive Factor	Filter Off	
Excess Longitudinal Acceleration Factor	Filter Off	
Average Last Lateral Acceleration Values	No Averaging	
Acceleration Factor	Filter Off	
Nose Dive Threshold	Filter Off	
Steering Smoothing Threshold	Filter Off	
Steering Smoothing Factor	Filter Off	
Acceleration Threshold	Filter Off	
Maximum Longitudinal Change	Filter Off	
Average Last Longitudinal Acceleration Values	No Averaging	
Brake Smoothing Factor	Filter Off	
Auto High Beam ON Threshold	25 km/hr	
RKE Auto-Relock Feature Enable	Not Set	
Auto High Beam OFF Threshold	20 km/hr	
VTA Hood Ajar Monitoring	Not Set	
Headlamp Soak Delay	1.0 sec	
Parking Light Enable	Not Set	
Horn Chirp Duration	Short	
Interior Lighting Day Threshold	4.27498	Volt
PE Auto-Relock Feature Enable	Set	
Interior Lighting Night Threshold	4.45147	Volt
Temperature Display Resolution	HaLF	
Sunroof Present	Not Set	
TPMS Configuration	Logic 1 NHTSA Enable Warning	
Smart Alternator Present	Not Set	
Drive Mode Version	Version 1	
Radio Speaker Open Circuit Disable (LF)	Not Set	
Auto Dimming Mirror Hard Button Present	Set	
ANC Calibration Parameter Data Set	Alpine Amplified 3.6L PHEV	
Radio Speaker Open Circuit Disable (LR)	Not Set	
Radio Speaker Open Circuit Disable (RR)	Not Set	
Surround View Camera On/Off Softkey Present	Not Set	
Show Phone Information in Cluster	01	

Radio Speaker Open Circuit Disable (RF)	Not Set	
Automatic Crash Notification Feature Present	Undefined	
Park Assist Tuning Set	Sahara	
3rd Row Lock CSO	Not Set	
PSDMR	Set	
DMRR	Set	
FSM	Not Set	
HSM	Set	
EOMR	Set	
DTV	Not Set	
EDM	Not Set	
ICS	Set	
EAM	Not Set	
ANC	Not Set	
HVACR	Set	
CVPM	Not Set	
PSDML	Set	
DDM	Set	
VTM	Not Set	
AMP	Set	
MSM	Not Set	
ITM	Not Set	
PLGM	Set	
HVAC	Set	
BCM (Interior Bus)	Set	
MSMP	Not Set	
Radio	Set	
DMRL	Set	
VRM	Not Set	
PDM	Set	
DSM	Set	
Siren	Not Set	
Ultrasonics	Not Set	
Tilt	Not Set	
BUX Market	False	
Passive Ped Pro Present	False	
Tow Hooks Present	False	
Passenger Kneebag Present	True	
Integrated EPP Present	False	
Driver Kneebag Present	True	
Curtain Airbags Present	True	
1st Row Seat Side Airbags Present	True	
ODS Present	False	
Connector E Pin 5: E-5 PHEV Fuel Door Switch Input	PHEV Fuel Door Switch	

Connector F Pin 42: Right Rear Turn Signal	Right Rear Turn Signal	
Connector F Pin 31: Right Sliding Door Ajar	Right Sliding Door Ajar	
Connector F Pin 28: Right Rear Turn Lamp Fault Sense	Disable	
Stop/Start Enable Switch Present	Not Set	
Connector D Pin 11: Stop/Turn Trailer Tow Left Output Present	Reserved	
Connector D Pin 1: Left High Beam Feed	Left High Beam (0)	
Connector A Pin 11: Hood Ajar Switch Signal	500 ohm series and 500 ohm parallel resistors	
Connector F Pin 29: Horn Switch Input	Horn Switch Input	
Connector D Pin 12: PHEV ECM Hardwire Wake Up	Engine Control Module Wake up (PHEV only)	
Connector D Pin 21: Brake Fluid Level Switch	no parallel resistor	
Connector E Pin 29: Rear Wiper Motor Park Signal	Reserved	
Connector A Pin 2: Right High Beam Feed	Right High Beam (0)	
Connector F Pin 41: Backup-Reverse lamp Left	Set	
Connector E Pin 37: Right HID Relay Control	Right HID Lamp Relay	
Connector F Pin 4: Liftgate Release	Trunk/Liftgate Release	
Connector F Pin 25: Left Rear Turn Lamp Fault Sense	Disable	
Connector F Pin 27: Left Sliding Door Ajar	Left Sliding Door Ajar	
Connector E Pin 7: Left HID Relay Control	Left HID Lamp Relay	
Connector E Pin 39: Right Rear Fog Lamp	Output Disable	
Connector E Pin 1: Backup-Reverse lamp Right	Set	
Connector F Pin 5: Left Rear Fog Lamp	Output Disable	
Connector E Pin 3: Left Rear Turn Signal	Left Rear Turn Signal	
Rear View Camera Static Grid Lines Enabled	Not Set	
Rear View Camera Dynamic Grid Lines Enabled	Set	
IBS Minimum Charge Limit	600	mA
Battery Type II	22	
IBS Quiescence Current Limit	-250	mA
IBS Minimal Charge Limit	10	AmpHrs
IBS Minimum Voltage Limit	5.0	Volts
IBS Activate MWU	Not Set	
Battery Types	SNA	
Fobik Safe Alerts Per Ignition Cycle	2	
EVIC SWS Module Present	Set	
Washer Fluid Level Voltage Threshold	4.46 volts	
Illuminated Approach Interior Lighting Ramp Up Time	130(2600ms)	
Illuminated Approach Headlamp Target Percentage	125 (62.5%)	
Illuminated Approach Interior Lighting Target Percentage	100(50%)	
Compass Mounting Orientation	Rightside up	
Compass Mounting Angle	0	Degree
IBS Present	Set	
Alert On System Fault	Set	
Humidity Sensor Present	Set	
Alert no Reply	Set	

VTA System Present	VTA	
Panic Enable	Set	
Illuminated Approach Taillamp Target Percentage	125 (62.5%)	
HFRM Present	Not Set	
CRVMM Present	Set	
Auto Relock Time	60	seconds
Alert On Search Timeout	Set	
OHC Module Present	Set	
Illuminated Approach Time	30	seconds
Daytime Running Lamps	Set	
Auto Highbeam	Not Set	
Auto Lock	Set	
Sound Horn on Lock	Set	
Sliding Door Chime Enable	Set	
Auto Unlock	Set	
Sound Horn On Lock Status	Chirp on 1st press/FIRST	
Auto Wipers	Not Set	
Flash Lamps on Lock	Set	
Sound Horn on Remote Start	Set	
Headlamps on with Wipers	Set	
Accessory Delay Time	45	seconds
Hands Free Sliding Door Enable	Set	
Unlock all doors on 1st press	Set	
Headlamp Delay Time	30	seconds
Sliding Door Alert	Not Set	
Left Front Corner Voltage	13.2 Volts	
Left High Beam Voltage Regulation	13.6 Volts	
Auto Headlamp Off Threshold	2.54930	Volt
Left Rear Corner Voltage	14 Volts	
Auto Headlamp On Threshold	3.31409	Volt
Right High Beam Voltage Regulation	13.8 Volts	
Right Rear Corner Voltage	14 Volts	
Left Low Beam Voltage Regulation	13.6 Volts	
Front Park/Turn Voltage	Park to Turn ratio 55 Percent	
Right Low Beam Voltage Regulation	14 Volts	
Right Front Corner Voltage	13.4 Volts	
EAC	Set	
APM	Set	
ORC	Set	
ESM	Set	
HCP	Set	
OBCM	Set	
ESC	Set	
AHCP	Set	

EBCM	Set	
BPCM	Set	
ECM	Set	
ABSO	Set	
IPC	Set	
PTS	Set	
AHLM	Not Set	
HCP	Set	
EPS	Set	
ESL	Not Set	
ACC	Not Set	
ABS	Not Set	
SCCM	Set	
TCM	Not Set	
FFCM	Not Set	
PCM	Set	
BCM (PT)	Set	
ORC	Set	
OCM	Set	
ESM	Set	
RFH	Set	

HSM CONFIGURATION

NAME	VALUE	UNITS
Vehicle Line R-Series	True	
Left Rear Heated Seat	False	
Heated Steering Wheel	True	
Vehicle Line U-Series	False	
Vehicle Line D-Series	False	
Right Front Vented Seat	False	
Right Rear Heated Seat	False	
Vehicle Line W-Series	False	
Vehicle Line M-Series	False	
Right Front Heated Seat	True	
Vehicle Line P-Series	False	
Left Front Vented Seat	False	
Left Front Heated Seat	True	
Vehicle Line J-Series	False	
Vehicle Line L-Series	False	

RADIO CONFIGURATION

NAME	VALUE	UNITS
GPS on the Bus messaging Authorization	Allowed	
Satellite Subscription Reason Code	00	

Satellite Subscription Suspend Day	01	
Satellite Subscription Suspend Month	01	
Satellite Subscription Status	Subscribed	
Satellite Subscription ID	ACG54DR1	
Satellite Subscription Suspend Year	46	
SD Card Readers Detected	0	No Unit
Enumerated USB Devices	0	No Unit
USB Hubs Detected	1	No Unit
Aux Jack	Not Inserted	
DTV Short Term Configuration	—	
911 Button	—	
Cabin EQ Curve Number Currently Used by Radio	—	
Anti-Theft Enable Status	—	
Clock Defeat	—	
Automated Loudness	—	
Front Seat Video Playback	—	
12/24 Time Selection	—	
Internal CD Player	—	
SDARS	—	
Bluetooth	—	
FM Diversity	—	
Navigation Active	—	
Cellular	—	
Application Framework	—	
Wi-Fi	—	
Splash Screen	—	

HVACR CONFIGURATION

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

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	

ABS0 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 9	
Axle Ratio	3.251	No Unit
Hardwired VSO	True	
ACC	True	
Multiple Pressure Sensors	True	
Rear Directional Sensors	True	
Feature PIN	False	
Front Directional Sensors	False	
EPB	True	



VEHICLE SCAN REPORT

Vehicle 2019 CHRYSLER PACIFICA 3.6L V6 HYBRID ENGINE
VIN [REDACTED]

Odometer 21992.5 miles
Publication Date Jun 1, 2022, 4:39:25 PM

ECU SUMMARY INFO

ECU	NAME	BUS TYPE	FLASH PART #	CURRENT VIN	ORIGINAL VIN	PART #
PCM	Powertrain Control Module	CAN-C	68416681AF	[REDACTED]	[REDACTED]	68416681AF
ICS	Integrated Center Stack	CAN-I	6EV301X8AB			6EV301X8AB
RFH	Radio Frequency Hub	CAN-C	68383680AB			68383680AB
ESM	Electronic Shifter	CAN-C	68240089AL			68240089AL
ORC	Occupant Restraint	CAN-C	68405567AB			68405567AB
EPS	Electric Power Steering	CAN-C	68416741AA			68416741AA
HVAC	Heat, Ventilation and A/C	CAN-I	68406613AA			68406613AA
DDM	Driver Door Module	CAN-I	68316561AD			68316561AD
PDM	Passenger Door Module	CAN-I	68316560AD			68316560AD
DMRL	Door Module Rear Left	CAN-I	68225096AG			68225096AG
DMRR	Door Module Rear Right	CAN-I	68225096AG			68225096AG
PSDML	Power Sliding Doors (Left)	CAN-I	68369596AB			68369596AB
PSDMR	Power Sliding Doors (Right)	CAN-I	68369596AB			68369596AB
PLGM	Power Liftgate	CAN-I	68316094AF			68316094AF
AMP	Amplifier	CAN-I	68338770AC			68338770AC
IPC	Instrument Panel Cluster	CAN-C	68405292AC			68405292AC
PTS	Parktronics	CAN-C	68193772AJ			68193772AJ
SCCM	Steering Column Control Module	CAN-C	68360889AC			68360889AC
BCM	Body Controller	CAN-C	68402177AB			68402177AB
HSM	Heated Seat Module	CAN-I	68414665AA			68414665AA
RADIO	Radio	CAN-I	68401442AB			68401442AB
OCM	Occupant Classification	CAN-C	68403127AA			68403127AA

HVACR	Heat, Ventilation and A/C Rear	CAN-I	68373079AB		68373079AB
LBSS	Left Blind Spot Sensor	CAN-I	04672786AB		04672786AB
RBSS	Right Blind Spot Sensor	CAN-I	04672786AB		04672786AB
APM	Accessory Power Module	CAN-C	05185046AB		05185046AB
BPCM	Battery Pack Control Module	CAN-C	05193166AF		05193166AF
HCP	Hybrid Control Processor	CAN-C	05190240AP		05190240AP
OBCM	On Board Charging Module	CAN-C	05185047AD		05185047AD
DSM	Display Screen Module	CAN-I	68316175AB		68316175AB
RCCC	Rear Cabin Comfort Controls	CAN-I	68395990AA		68395990AA
EAC	Electric A/C Compressor	CAN-C	68237995AG		68237995AG
AHCP	Auxiliary Hybrid Control Processor	CAN-C	05190241AP		05190241AP
EBBM	Electronic Brake Booster Module	CAN-C	68461813AB		68461813AB
ABSO	Anti Lock Brakes OBD	CAN-C	68283578AD		68283578AD
SGW	Security Gateway Module	CAN-C	68420261AA		68420261AA

ECU SUMMARY INFO (CONT...)

ECU	COUNTRY CODE	HARDWARE VERSION	SOFTWARE VERSION	IDENT	CVNS
PCM	USA	1B 47	46 03 01	4419	
ICS	USA	0F 0C 00	11 16 00	4400	
RFH	USA / USA	10 17 00	12 08 00	4A00	
ESM	USA / USA	0F 24 00	12 02 FF	4402	
ORC	USA / USA	11 1F 00	11 27 00	4301	
EPS	USA / USA	12 02 03	11 15 01	4502	
HVAC	USA	0E 09 00	11 29 01	4401	
DDM	USA / USA	11 30 00	17 42 00	4102	
PDM	USA	11 30 00	17 42 00	4102	
DMRL	USA / USA	10 0B 00	12 0C 00	4201	
DMRR	USA / USA	10 0B 00	12 0C 00	4201	
PSDML	USA / USA	10 17 00	11 2D 10	4001	
PSDMR	USA / USA	10 17 00	11 2D 10	4001	
PLGM	USA	17 19 00	18 22 00	4202	
AMP	USA	17 2A 01	12 0F 00	4030	
IPC	USA / USA	12 0A 00	12 10 00	4704	
PTS	USA	0E 32 00	12 1F 00	4311	
SCCM	USA	0E 30 00	10 2B 00	4301	
BCM	USA	0D 11 00	12 0B 90	4415	

HSM	USA / USA	15 12 00	12 05 01	4003	
RADIO	USA	12 21 24	12 21 24	8205	
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	
APM	USA / USA	11 32 00	11 32 00	4001	
BPCM		0E 03 00	14 17 00	4005	
HCP	USA	11 1F 04	14 08 01	4005	
OBCM	USA	0F 0D 00	11 2B 00	4002	
DSM	USA / USA	11 16 00	11 15 00	4000	
RCCC	USA	0F 1D 00	11 16 00	4000	
EAC	USA	0E 34 00	12 0F 00	4102	
AHCP	USA	11 1F 04	14 08 01	4000	
EBBM	USA	0E 19 02	14 0D 18	4000	
ABSO	USA	0E 15 02	14 13 17	4201	
SGW		5	564	4102	

DTC SUMMARY

ECU	DTC CODE	DTC DESCRIPTION	STATUS
PCM	U11E9	Lost Communication With AGS	Stored
PCM	P0073	Ambient Air Temperature Sensor Circuit High	Stored
HVAC	U0422-00	Implausible Data Received From Body Control Module-	Stored
IPC	U0422-00	Implausible Data Received From Body Control Module-	Stored
BCM	B162E-15	Right Low Beam Control-Circuit Short to Battery or Open	Stored
BCM	P0070-15	Ambient Air Temperature Sensor Circuit-Circuit Short to Battery or Open	Stored
BPCM	P0A95-00	High Voltage Fuse "A"-	Active
BPCM	P0AA4-00	Hybrid/EV Battery Negative Contactor "A" Stuck Closed-	Active
HCP	P0073-00	Ambient Air Temperature Sensor Circuit High-	Stored
HCP	P062F-00	Internal Control Module EEPROM Error-	Stored
HCP	P0A78-00	Drive Motor A Inverter Performance-	Active
HCP	P0C0B-00	Drive Motor A Inverter Power Supply Circuit/Open-	Active
HCP	P16F9-00	HCP Internal - Shutdown Performance-	Active
HCP	P1AEC-00	MCPA HV Battery Voltage Sensor Circuit Performance-	Pending
HCP	P1AED-00	MCPB High Voltage Battery Voltage Sensor Circuit Performance-	Pending
HCP	U0623-00	Lost Communication with Coolant Pump "A"-	Active

ENVIRONMENTAL DATA SUMMARY

PCM | U11E9 | Stored | Lost Communication With AGS

NAME	VALUE	UNITS
Number of DTC	1	
DTC	D1 E9	

DTC Readiness Flag	Not Complete	
DTC Storage State	Stored	
Warning Indicator Request State	On	
Odometer	21920.0	miles
Accumulation Timer	1	minutes
Ignition Key Cycles	5	
Starts Since Set Counter	0	
Key Cycles Since DTC Last Set Counter	6	
Warm Up Cycles	0	
Good Trip Counter	0	

PCM | P0073 | Stored | Ambient Air Temperature Sensor Circuit High

NAME	VALUE	UNITS
Number of DTC	1	
DTC	00 73	
DTC Readiness Flag	Not Complete	
DTC Storage State	Stored	
Warning Indicator Request State	On	
Odometer	21920.0	miles
Accumulation Timer	4	minutes
Ignition Key Cycles	5	
Starts Since Set Counter	0	
Key Cycles Since DTC Last Set Counter	6	
Warm Up Cycles	0	
Good Trip Counter	0	

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

NAME	VALUE	UNITS
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
Occurrence flag	ERROR	
Original Odometer Value	21992	miles
Most Recent Odometer Value	21992	miles
Frequency Counter	1	
Ignition Cycle Counter	5	

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

NAME	VALUE	UNITS
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Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number - All	FF	
Occurrence flag	Occurrence	
Original Odometer Value	21992	miles
Most Recent Odometer Value	21992	miles
Frequency Counter	4	
Ignition Cycle Counter	3	

BCM | B162E-15 | Stored | Right Low Beam Control-Circuit Short to Battery or Open

NAME	VALUE	UNITS
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	True	
Warning Indicator Requested	False	
DTC Extended Data Record Number - All	01	
Occurrence flag	ERROR	
Original Odometer Value	21992	miles
Most Recent Odometer Value	21992	miles
Frequency Counter	1	
Ignition Cycle Counter	6	

BCM | P0070-15 | Stored | Ambient Air Temperature Sensor Circuit-Circuit Short to Battery or Open

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

Original Odometer Value	21992	miles
Most Recent Odometer Value	21992	miles
Frequency Counter	1	
Ignition Cycle Counter	5	

BPCM | P0A95-00 | Active | High Voltage Fuse "A"-

NAME	VALUE	UNITS
DTC	0A 95 00	
Test Failed	True	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
Occurrence flag	ERROR	
Original Odometer Value	21992	miles
Most Recent Odometer Value	21992	miles
Frequency Counter	1	
Ignition Cycle Counter	0	
FoM - for this DTC (lifetime fails)	8	events
FoM - for this DTC (lifetime fails counts on pass)	0.0000	seconds
FoM - for this DTC (lifetime longest fail on pass)	0.000	seconds
Battery Total Time Awake	102545488	seconds
Key in Ignition	Key_Def	
Key Position	Ign_Run	
EPT-WakeUp	Sourced	
HCP Contactor Command	Open	
Qualified Contactor Command - QCC	Open	
Verified Contactor Command - VCC	Open	
Contactor Status	Open	
Plug in Status	Not plugged in	
ChargingLevel	Plug in, but no charge	
Balance Mode	False	
Battery in Periodic wake up (Just battery) at time of Fault	False	
Battery in Periodic wake up (Wake up vehicle) at time of Fault	False	
Vehicle mileage at time of fault (ODO signal in \$3D2)	21992.46	miles
Battery Lifetime Miles	109241.51	miles
Vehicle Speed	0.0	MPH
System (12) Volts at time of fault	12.303	Volts
Battery Lifetime AmpHrs of Charge	13895.0	AHr
Battery Lifetime AmpHrs of DisCharge	13849.8	AHr
SOC at time of Fault	79.2	%

Power Up SOC at time of Fault	79.2	%
HVIL Status -Vehicle	Not Sourced	
HVIL Status - Battery pack	PASS	
HVIL PWM Duty Cycle - Vehicle	0.0	%
HVIL PWM Frequency - Vehicle	0.0	Hz
HVIL PWM peak voltage Sourced - Vehicle	0.305	Volts
HVIL PWM peak voltage Sensed - Vehicle	0.275	Volts
HVIL Source Voltage- Battery	1.385	Volts
HVIL Returned current - Battery	30.40	mA
HV Battery Current Sensor 1 Hall High	-2.10	Amps
HV Battery Current Sensor 2 Hall Low	0.00	Amps
HV Battery Current HVBatCrnt	0.00	Amps
HV Cooling Speed Pump 1 Target	0	rpm
HV Cooling Speed pump 1 Speed	0	rpm
Charge indicator Temp	109	°F
BPCM temperature max	68	°F
BPCM temperature min	66	°F
Pump - Wire Open\Short to Gnd	PASS	
Pump - Dry Run Detection	PASS	
Pump - Overcurrent	PASS	
Pump - Overtemperature	PASS	
Pump - Switch Power Shorted	PASS	
Isolation Circuitry Va	2.497	Volts
Isolation Circuitry Vb	2.501	Volts
Isolation Circuitry Vd	0.000	Volts
WC and Circuitry 2.5V Reference Voltage	2.501	Volts
WC and Circuitry Vcc Voltage	5.007	Volts
WC and CircuitryISO 8V Reference Voltage	8.002	Volts
WC and Circuitry Weld Contactor Sensor G (Pack Negative) Voltage	-0.8	Volts
CVTN COMP ERR H	Latched	
CVTN COMP ERR L	Active	
CVTN COMP FLT H	Normal	
CVTN COMP FLT L	Normal	
CVTN EDGE ERR H	Normal	
CVTN EDGE ERR L	Normal	
CVTN ABORT H	Normal	
CVTN ABORT L	Normal	
CVTN CRC FAULT H	Normal	
CVTN CRC FAULT L	Normal	
CVTN FRAM ERR	Normal	
CVTN STOP ERR	Normal	
CVTN STK FAULT ERR	Latched	
CVTN SYS RESET	Normal	
CVTN COMM TIMEOUT	Active	

CVTN VDIG WAKE FAULT	Normal	
CVTN INT TEMP FAULT	Normal	
CVTN VDIG FAULT	Normal	
CVTN VM FAULT	Normal	
CVTN VP FAULT	Normal	
CVTN VP CLAMP	Normal	
CVTN FACT CKSUM ERR	Normal	
CVTN ANALOG FAULT ERR	Normal	
CVTN HREF FAULT	SNA	
CVTN HREF GND FAULT	Normal	
CVTN ADC CAL ERR	Active	
CVTN CUST ECC COR	Normal	
CVTN CUST ECC ERR	SNA	
CVTN FACT ECC COR	SNA	
CVTN ACT ECC ERR	SNA	
Cycles left to self heal	40	No Unit
Fault trigger level 1	False	
Fault trigger level 2	False	
Fault trigger level 3	False	
Fault Path	01	
HV Battery Charge Power 2sec	102438	watts
HV Battery Charge Power 10sec	84690	watts
HV Battery Discharge Power 2sec	102852	watts
HV Battery Discharge Power 10sec	100539	watts
HV Battery Power	007530	watts
Key - DriveRdy (CAN)	True	
Battery Lifetime Number Of Closes	4616	
Battery Full AmpHr Capacity	46	AmpHrs
Cell Impedance Max Discharge	0	mOhms
Cell Impedance Mim Discharge	0	mOhms
Battery Cell Voltage Maximum	3968	mV
Battery Cell Voltage Minimum	3950	mV
Battery Cell Voltage Average	3961	mV
Battery Cell Highest Cell number	80	
Battery Cell Lowest Cell number	15	
HV Battery Voltage (cell sum)	380.30	Volts
HV Battery Voltage (Module Sum)	379.90	Volts
HV Sensor A Pack Voltage	25.50	Volts
HV Sensor B Bus\Link (Pre-Fuse) Voltage	0.70	Volts
HV Sensor C OBCM (HVOBC Fuse) Voltage	0.70	Volts
HV Sensor D Heater (HVHTR Fuse) Voltage	0.70	Volts
HV Sensor G Weld Contactor(Pack Negative) Voltage	-0.8	Volts
Battery Temperature Maximum Module	68	°F
Battery Temperature Minimum Module	66	°F

Battery Temperature Average Module	68	°F
Battery Temperature Highest Sensor number	02	
Battery Temperature Lowest Sensor number	12	
Battery Temperature Number of Failing Sensors	00	
HV Cooling Pump Relay Drive	Not Sourced	
HV Cooling Battery coolant inlet temp	66	°F
HV Cooling Battery coolant outlet temp	68	°F
HV Cooling OBCM temp inlet Temp	66	°F
Pump - Battery Coolant Level Low	False	
Isolation Vehicle Diagnostic Status	Run and Passed	
Isolation Vehicle Impedance	7.7263	Mega Ohms
Isolation Battery Diagnostic Status	Run and Passed	
Isolation Battery Impedance	0.8480	Mega Ohms
CVTN CUST CKSUM ERR	Normal	

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

NAME	VALUE	UNITS
DTC	0A A4 00	
Test Failed	True	
Test Failed This Operation Cycle	False	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	True	
Warning Indicator Requested	False	
Occurrence flag	ERROR	
Original Odometer Value	21992	miles
Most Recent Odometer Value	21992	miles
Frequency Counter	1	
Ignition Cycle Counter	0	
FoM - for this DTC (lifetime fails)	8	events
FoM - for this DTC (lifetime fails counts on pass)	0.0000	seconds
FoM - for this DTC (lifetime longest fail on pass)	0.000	seconds
Battery Total Time Awake	102545488	seconds
Key in Ignition	Key_Def	
Key Position	Ign_Run	
EPT -WakeUp	Sourced	
HCP Contactor Command	Open	
Qualified Contactor Command - QCC	Open	
Verified Contactor Command - VCC	Open	
Contactor Status	Open	
Plug in Status	Not plugged in	
ChargingLevel	Plug in, but no charge	

Balance Mode	False	
Battery in Periodic wake up (Just battery) at time of Fault	False	
Battery in Periodic wake up (Wake up vehicle) at time of Fault	False	
Vehicle mileage at time of fault (ODO signal in \$3D2)	21992.46	miles
Battery Lifetime Miles	109241.51	miles
Vehicle Speed	0.0	MPH
System (12) Volts at time of fault	12.303	Volts
Battery Lifetime AmpHrs of Charge	13895.0	AHr
Battery Lifetime AmpHrs of DisCharge	13849.8	AHr
SOC at time of Fault	79.2	%
Power Up SOC at time of Fault	79.2	%
HVIL Status -Vehicle	Not Sourced	
HVIL Status - Battery pack	PASS	
HVIL PWM Duty Cycle - Vehicle	0.0	%
HVIL PWM Frequency - Vehicle	0.0	Hz
HVIL PWM peak voltage Sourced - Vehicle	0.305	Volts
HVIL PWM peak voltage Sensed - Vehicle	0.275	Volts
HVIL Source Voltage- Battery	1.385	Volts
HVIL Returned current - Battery	30.40	mA
HV Battery Current Sensor 1 Hall High	-0.60	Amps
HV Battery Current Sensor 2 Hall Low	0.00	Amps
HV Battery Current HVBatCrnt	0.00	Amps
HV Cooling Speed Pump 1 Target	0	rpm
HV Cooling Speed pump 1 Speed	0	rpm
Charge indicator Temp	109	°F
BPCM temperature max	68	°F
BPCM temperature min	66	°F
Pump - Wire Open\Short to Gnd	PASS	
Pump - Dry Run Detection	PASS	
Pump - Overcurrent	PASS	
Pump - Overtemperature	PASS	
Pump - Switch Power Shorted	PASS	
Isolation Circuitry Va	2.497	Volts
Isolation Circuitry Vb	2.501	Volts
Isolation Circuitry Vd	0.000	Volts
WC and Circuitry 2.5V Reference Voltage	2.500	Volts
WC and Circuitry Vcc Voltage	5.007	Volts
WC and CircuitryISO 8V Reference Voltage	8.002	Volts
WC and Circuitry Weld Contactor Sensor G (Pack Negative) Voltage	-0.8	Volts
CVTN COMP ERR H	Normal	
CVTN COMP ERR L	Normal	
CVTN COMP FLT H	Normal	
CVTN COMP FLT L	Normal	
CVTN EDGE ERR H	Normal	

CVTN EDGE ERR L	Normal	
CVTN ABORT H	Normal	
CVTN ABORT L	Normal	
CVTN CRC FAULT H	Normal	
CVTN CRC FAULT L	Normal	
CVTN FRAM ERR	Normal	
CVTN STOP ERR	Normal	
CVTN STK FAULT ERR	Latched	
CVTN SYS RESET	Normal	
CVTN COMM TIMEOUT	Active	
CVTN VDIG WAKE FAULT	Normal	
CVTN INT TEMP FAULT	Normal	
CVTN VDIG FAULT	Normal	
CVTN VM FAULT	Normal	
CVTN VP FAULT	Normal	
CVTN VP CLAMP	Normal	
CVTN FACT CKSUM ERR	Normal	
CVTN ANALOG FAULT ERR	Normal	
CVTN HREF FAULT	SNA	
CVTN HREF GND FAULT	Normal	
CVTN ADC CAL ERR	Active	
CVTN CUST ECC COR	Normal	
CVTN CUST ECC ERR	SNA	
CVTN FACT ECC COR	SNA	
CVTN ACT ECC ERR	SNA	
Cycles left to self heal	40	No Unit
Fault trigger level 1	False	
Fault trigger level 2	False	
Fault trigger level 3	False	
Fault Path	01	
HV Battery Charge Power 2sec	102432	watts
HV Battery Charge Power 10sec	84684	watts
HV Battery Discharge Power 2sec	102852	watts
HV Battery Discharge Power 10sec	100536	watts
HV Battery Power	007530	watts
Key - DriveRdy (CAN)	True	
Battery Lifetime Number Of Closes	4616	
Battery Full AmpHr Capacity	46	AmpHrs
Cell Impedance Max Discharge	0	mOhms
Cell Impedance Mim Discharge	0	mOhms
Battery Cell Voltage Maximum	3968	mV
Battery Cell Voltage Minimum	3951	mV
Battery Cell Voltage Average	3961	mV
Battery Cell Highest Cell number	80	

Battery Cell Lowest Cell number	15	
HV Battery Voltage (cell sum)	380.30	Volts
HV Battery Voltage (Module Sum)	379.90	Volts
HV Sensor A Pack Voltage	25.60	Volts
HV Sensor B Bus\Link (Pre-Fuse) Voltage	0.70	Volts
HV Sensor C OBCM (HVOBC Fuse) Voltage	0.70	Volts
HV Sensor D Heater (HVHTR Fuse) Voltage	0.70	Volts
HV Sensor G Weld Contactor(Pack Negative) Voltage	-0.8	Volts
Battery Temperature Maximum Module	68	°F
Battery Temperature Minimum Module	66	°F
Battery Temperature Average Module	68	°F
Battery Temperature Highest Sensor number	03	
Battery Temperature Lowest Sensor number	12	
Battery Temperature Number of Failing Sensors	00	
HV Cooling Pump Relay Drive	Not Sourced	
HV Cooling Battery coolant inlet temp	66	°F
HV Cooling Battery coolant outlet temp	68	°F
HV Cooling OBCM temp inlet Temp	66	°F
Pump - Battery Coolant Level Low	False	
Isolation Vehicle Diagnostic Status	Run and Passed	
Isolation Vehicle Impedance	7.7263	Mega Ohms
Isolation Battery Diagnostic Status	Run and Passed	
Isolation Battery Impedance	0.8480	Mega Ohms
CVTN CUST CKSUM ERR	Normal	

HCP | P0073-00 | Stored | Ambient Air Temperature Sensor Circuit High-

NAME	VALUE	UNITS
DTC	00 73 00	
Test Failed	False	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
Occurrence flag	Occurrence	
Original Odometer Value	21992.5	miles
Most Recent Odometer Value	21992.5	miles
Frequency Counter	1	
Ignition Cycle Counter	0	
Real time clock	102545496	sec
RAM stamps keyOn	450	sec
RAM Stamps	192	Min

Accelerator Pedal Position	0	%
Brake Switch Status	Not Applied	
PHEV Charging Status	No Charging	
Engine Speed	0	rpm
HV Battery SOC	79	%
Ignition State	Reserved	
PRND Position Display	P	
Propulsion System Active	False	
Vehicle Speed	0.0000	MPH
Barometric Pressure	14	PSI
Engine Coolant Temperature	124	°F
A/C Refrigerant Pressure	87.0	PSI
Passive Pump Coolant Temp In Sensor	68	°F
Electric Coolant Heater Temp Sensor	93	°F
Heater Core Coolant Temp Sensor	95	°F
Motor A Temp Sensor	84	°F
Motor B Temp Sensor	86	°F
Outside Air Temperature	68.0	°F
Thermal System Enable State	On	
EAC Compressor Speed	0	rpm
High Temperature Shut-Off Valve Status	Off	
Front Refrigerant Shut-Off Valve Status	Off	
High Temp Cabin Valve Feedback	87.40	degrees
Chiller Shut-Off Valve Status	Off	
Radiator Fan Duty Cycle	7	%
HV Coolant Heater - Measured Coolant Inlet Temp	100	°F
HV Coolant Heater - Measured Coolant Outlet Temp	102	°F
Low Temp Passive Pump - Temperature	77	°F
Low Temp Active Pump - Temperature	70	°F
Battery Feed Voltage 2 Sense	12.024	Volts
Battery Feed Voltage 3 Sense	12.024	Volts
Internal EPS Voltage Sense A	0.000	Volts
Internal EPS Voltage Sense B	0.000	Volts
Hybrid System State	SNA	
Battery Feed Voltage 1 Sense	12.024	Volts
Actual Torque - Motor B	0.000	Ft-Lbs
Available Motor Torque - Motor A	0.000	Ft-Lbs
Available Motor Torque - Motor B	232.301	Ft-Lbs
Available Regen Torque - Motor A	0.000	Ft-Lbs
Available Regen Torque - Motor B	-232.301	Ft-Lbs
Commanded Torque - Motor A	0.000	Ft-Lbs
Commanded Torque - Motor B	0.000	Ft-Lbs
Motor A - Inverter Current - phase A	0	AMP
Motor A - Inverter Current - phase B	0	AMP

Motor A - Inverter Current - phase C	0	AMP
Motor B - Inverter Current - phase A	0	AMP
Motor B - Inverter Current - phase B	0	AMP
Motor B - Inverter Current - phase C	0	AMP
Motor A Resolver Angle	104	Degree
Motor B Resolver Angle	100	Degree
CBC Wake-Up Input	Off	
EPT LOC Diag Enable	Enable LOC Diagnostic	
HV Contactor Status	Open	
HV Battery Voltage from BPCM	180.00	Volts
Electric Motor A Speed	0.0	rpm
Electric Motor B Speed	0.0	rpm
PIM DC Link Voltage - A	3	Volts
PIM DC Link Voltage - B	2	Volts
Inverter A IGBT Temperature for phase A	108	°F
Inverter A IGBT Temperature for phase B	111	°F
Inverter A IGBT Temperature for phase C	109	°F
Inverter B IGBT Temperature for phase A	109	°F
Inverter B IGBT Temperature for phase B	111	°F
Inverter B IGBT Temperature for phase C	108	°F
APM Status	Idle	
Impact Event	False	
HCP System Shutdown Command	Default	
Distance Travelled with Light ON	6	miles
Motor A Torque	0.000	Ft-Lbs
Motor B Torque	0.000	Ft-Lbs
OBCM Operating Mode	UTC	
J1772 Prox Detected State	Prox Out	
HV Battery Sleep Time	0	Days
GPS Date - Year	0	Year
GPS Date - Month	1	
GPS Date - Day	1	Days
UTC Time - Hours	0	Hours
UTC Time - Minutes	0	
UTC Time - Seconds	0	seconds
ECU Time - Milliseconds	0	ms

HCP | P062F-00 | Stored | Internal Control Module EEPROM Error-

NAME	VALUE	UNITS
DTC	06 2F 00	
Test Failed	False	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Confirmed DTC	True	

Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	True	
DTC Extended Data Record Number	05	
Occurrence flag	Occurrence	
Original Odometer Value	21992.5	miles
Most Recent Odometer Value	21992.5	miles
Frequency Counter	1	
Ignition Cycle Counter	0	
Real time clock	102546296	sec
RAM stamps keyOn	0	sec
RAM Stamps	0	Min
Accelerator Pedal Position	0	%
Brake Switch Status	Not Applied	
PHEV Charging Status	No Charging	
Engine Speed	0	rpm
HV Battery SOC	79	%
Ignition State	Ignition Lock	
PRND Position Display	P	
Propulsion System Active	False	
Vehicle Speed	0.0000	MPH
Barometric Pressure	15	PSI
Engine Coolant Temperature	176	°F
Main Processor Reset Source - Core 0	Power Up	
Main Processor Reset Source - Core 1	Power Up	
Static NVM CRC Status	Passed	
Cumulative NVM CRC Status	Passed	
Adaptable NVM CRC Status	Passed	
Preserved NVM CRC Status	Passed	
Expendable NVM CRC Status	Passed	
MCPUninit EEPROM CRC Status	Passed	
MCPInit EEPROM CRC Status	Passed	
Non Volatile RAM CRC Status	Passed	
BSW EEPROM CRC Status	Failed	
HCP - MCPA SPI CRC Error Count	00	
HCP - MCPA SPI ARC Error Count	00	
MCPB - MCPA SPI CRC Error Count	00	
MCPB - MCPA SPI ARC Error Count	00	
MemShare CRC Error Count- Core 0	02	
MemShare ARC Error Count- Core 0	00	
MemShare CRC Error Count- Core 1	FF	
MemShare ARC Error Count- Core 1	02	
Main Stack Fault	False	

Main Analog-to-Digital Converter Fault	False	
External Watchdog Fault	False	
MainTPU_Flt	False	
Main Clock Fault	False	
MAIN ALU Fault	False	
MAIN Detected SPI Fault	False	
Main Detected Seed Received In Wrong Order	False	
Battery Feed Voltage 2 Sense	11.808	Volts
Internal EPS Voltage Sense A	0.000	Volts
Internal EPS Voltage Sense B	0.000	Volts
Battery Feed Voltage 1 Sense	11.880	Volts
Battery Feed Voltage 3 Sense	11.808	Volts
Hybrid System State	Evaluate High Voltage Enable	
Actual Torque - Motor A	0.000	Ft-Lbs
Actual Torque - Motor B	0.000	Ft-Lbs
Available Motor Torque - Motor A	86.744	Ft-Lbs
Available Motor Torque - Motor B	232.301	Ft-Lbs
Available Regen Torque - Motor A	-86.744	Ft-Lbs
Available Regen Torque - Motor B	-232.301	Ft-Lbs
Commanded Torque - Motor A	0.000	Ft-Lbs
Commanded Torque - Motor B	0.000	Ft-Lbs
Motor A - Inverter Current - phase A	0	AMP
Motor A - Inverter Current - phase B	0	AMP
Motor A - Inverter Current - phase C	-4	AMP
Motor B - Inverter Current - phase A	-4	AMP
Motor B - Inverter Current - phase B	-4	AMP
Motor B - Inverter Current - phase C	-4	AMP
Motor A Resolver Angle	156	Degree
Motor B Resolver Angle	66	Degree
Motor A Temp Sensor	77	°F
Motor B Temp Sensor	77	°F
Outside Air Temperature	64.4	°F
HCP ePT Wake-Up Output	On	
CBC Wake-Up Input	On	
EPT LOC Diag Enable	Disable LOC Daignostic	
HV Contactor Status	Open	
HV Battery Voltage from BPCM	180.00	Volts
Electric Motor A Speed	0.0	rpm
Electric Motor B Speed	0.0	rpm
PIM DC Link Voltage - A	2	Volts
PIM DC Link Voltage - B	2	Volts
Inverter A IGBT Temperature for phase A	32	°F
Inverter A IGBT Temperature for phase B	32	°F
Inverter A IGBT Temperature for phase C	32	°F

Inverter B IGBT Temperature for phase A	32	°F
Inverter B IGBT Temperature for phase B	32	°F
Inverter B IGBT Temperature for phase C	32	°F
APM Status	Idle	
Impact Event	False	
HCP System Shutdown Command	Default	
Distance Travelled with Light ON	0	miles
Motor A Torque	0.000	Ft-Lbs
Motor B Torque	0.000	Ft-Lbs
OBCM Operating Mode	UTC	
J1772 Prox Detected State	Prox Out	
HV Battery Sleep Time	0	Days
GPS Date - Year	0	Year
GPS Date - Month	1	
GPS Date - Day	1	Days
UTC Time - Hours	0	Hours
UTC Time - Minutes	0	
UTC Time - Seconds	0	seconds
ECU Time - Milliseconds	0	ms

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

NAME	VALUE	UNITS
DTC	0A 78 00	
Test Failed	True	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	True	
Occurrence flag	Occurrence	
Original Odometer Value	21992.5	miles
Most Recent Odometer Value	21992.5	miles
Frequency Counter	1	
Ignition Cycle Counter	0	
Real time clock	102545496	sec
RAM stamps keyOn	450	sec
RAM Stamps	192	Min
Accelerator Pedal Position	0	%
Brake Switch Status	Not Applied	
PHEV Charging Status	No Charging	
Engine Speed	0	rpm
HV Battery SOC	79	%

Ignition State	Reserved	
PRND Position Display	P	
Propulsion System Active	False	
Vehicle Speed	0.0000	MPH
Barometric Pressure	14	PSI
Engine Coolant Temperature	124	°F
Actual Torque - Motor A	0.000	Ft-Lbs
Available Motor Torque - Motor A	0.000	Ft-Lbs
Inverter A Input DC Current	0.0	AMP
Electric Motor A Speed	0.0	rpm
Motor A - Inverter Current - phase A	0	AMP
Motor A - Inverter Current - phase B	-4	AMP
Motor A - Inverter Current - phase C	0	AMP
Motor A Phase U Short Fault - High-Side	False	
Motor A Phase U Cross Conduction Fault - High-Side	False	
Motor A Phase U Over Current Fault - High-Side	False	
Motor A Phase U Thermal Warning Fault - High-Side	False	
Motor A Phase U Thermal Shutdown Fault - High-Side	False	
Motor A Phase U Comm Error High Voltage Regulator Fault - High-Side	True	
Motor A Phase U Comm Error Low Voltage Regulator Fault - High-Side	True	
Motor A Phase U SPI Error Fault - High-Side	False	
Motor A Phase U Hardware Error Fault - High-Side	True	
Motor A Phase U Short Fault - Low-Side	False	
Motor A Phase U Cross Conduction Fault - Low-Side	False	
Motor A Phase U Over Current Fault - Low-Side	False	
Motor A Phase U Thermal Warning Fault - Low-Side	False	
Motor A Phase U Thermal Shutdown Fault - Low-Side	False	
Motor A Phase U SPI Error Fault - Low-Side	False	
Motor A Phase U Hardware Error Fault - Low-Side	True	
Motor A Phase V Short Fault - High-Side	False	
Motor A Phase V Cross Conduction Fault - High-Side	False	
Motor A Phase V Over Current Fault - High-Side	False	
Motor A Phase V Thermal Warning Fault - High-Side	False	
Motor A Phase V Thermal Shutdown Fault - High-Side	False	
Motor A Phase V Comm Error High Voltage Regulator Fault - High-Side	True	
Motor A Phase V Comm Error Low Voltage Regulator Fault - High-Side	True	
Motor A Phase V SPI Error Fault - High-Side	False	
Motor A Phase V Hardware Error Fault - High-Side	True	
Motor A Phase V Short Fault - Low-Side	False	
Motor A Phase V Cross Conduction Fault - Low-Side	False	
Motor A Phase V Over Current Fault - Low-Side	False	
Motor A Phase V Thermal Warning Fault - Low-Side	False	
Motor A Phase V Thermal Shutdown Fault - Low-Side	False	
Motor A Phase V SPI Error Fault - Low-Side	False	

Motor A Phase V Hardware Error Fault - Low-Side	True	
Motor A Phase W Short Fault - High-Side	False	
Motor A Phase W Over Current Fault - High-Side	False	
Motor A Phase W Thermal Warning Fault - High-Side	False	
Motor A Phase W Thermal Shutdown Fault - High-Side	False	
Motor A Phase W Comm Error Low Voltage Regulator Fault - High-Side	True	
Motor A Phase W SPI Error Fault - High-Side	False	
Motor A Phase W Hardware Error Fault - High-Side	True	
Motor A Phase W Short Fault - Low-Side	False	
Motor A Phase W Cross Conduction Fault - Low-Side	False	
Motor A Phase W Over Current Fault - Low-Side	False	
Motor A Phase W Thermal Warning Fault - Low-Side	False	
Motor A Phase W Thermal Shutdown Fault - Low-Side	False	
Motor A Phase W Comm Error Low Voltage Regulator Fault - Low-Side	True	
Motor A Phase W SPI Error Fault - Low-Side	False	
Motor A Phase W Hardware Error Fault - Low-Side	True	
Motor A Resolver Supply Voltage Value	15.75	Volts
Battery Feed Voltage 2 Sense	12.024	Volts
Battery Feed Voltage 3 Sense	12.024	Volts
Internal EPS Voltage Sense A	0.000	Volts
Internal EPS Voltage Sense B	0.000	Volts
Hybrid System State	SNA	
PIM DC Link Voltage - A	3	Volts
PIM DC Link Voltage - B	2	Volts
Passive Pump Coolant Temp In Sensor	68	°F
Low Temp Active Pump Speed	0	rpm
High Temp Aux Pump - Actual Speed	0	rpm
Outside Air Temperature	68.0	°F
HV Contactor Status	Open	
Inverter B Status Feedback	Normal OFF	
Battery Feed Voltage 1 Sense	12.024	Volts
Actual Torque - Motor B	0.000	Ft-Lbs
Available Motor Torque - Motor B	232.301	Ft-Lbs
Available Regen Torque - Motor A	0.000	Ft-Lbs
Available Regen Torque - Motor B	-232.301	Ft-Lbs
Commanded Torque - Motor A	0.000	Ft-Lbs
Commanded Torque - Motor B	0.000	Ft-Lbs
Motor B - Inverter Current - phase A	-4	AMP
Motor B - Inverter Current - phase B	0	AMP
Motor B - Inverter Current - phase C	0	AMP
Motor B Resolver Angle	100	Degree
Motor B Temp Sensor	86	°F
HCP ePT Wake-Up Output	On	
CBC Wake-Up Input	Off	

EPT LOC Diag Enable	Enable LOC Diagnostic	
HV Battery Voltage from BPCM	180.00	Volts
Electric Motor B Speed	0.0	rpm
Inverter A IGBT Temperature for phase A	108	°F
Inverter A IGBT Temperature for phase B	111	°F
Inverter A IGBT Temperature for phase C	109	°F
Inverter B IGBT Temperature for phase A	109	°F
Inverter B IGBT Temperature for phase B	111	°F
Inverter B IGBT Temperature for phase C	108	°F
APM Status	Idle	
Impact Event	False	
HCP System Shutdown Command	Default	
Distance Travelled with Light ON	6	miles
Motor A Torque	0.000	Ft-Lbs
Motor B Torque	0.000	Ft-Lbs
OBCM Operating Mode	UTC	
J1772 Prox Detected State	Prox Out	
HV Battery Sleep Time	0	Days
Commanded Inverter A State	Inverter Disabled	
Inverter Status Feedback	Inverter Faulted	
Motor A Phase U Over Voltage Fault VH - High-Side	False	
Motor A Phase U Under Voltage Fault VH - High-Side	False	
Motor A Phase U Over Voltage Fault VL - High-Side	False	
Motor A Phase U Under Voltage Fault VL - High-Side	False	
Motor A Phase U Over Voltage Fault VDD - High-Side	False	
Motor A Phase U Under Voltage Fault VDD - High-Side	False	
Motor A Phase U Over Voltage Fault VH - Low-Side	False	
Motor A Phase U Under Voltage Fault VH - Low-Side	False	
Motor A Phase U Over Voltage Fault VL - Low-Side	False	
Motor A Phase U Under Voltage Fault VL - Low-Side	False	
Motor A Phase U Over Voltage Fault VDD - Low-Side	False	
Motor A Phase U Under Voltage Fault VDD - Low-Side	False	
Motor A Phase U Comm Error High Voltage Regulator Fault - Low-Side	True	
Motor A Phase U Comm Error Low Voltage Regulator Fault - Low-Side	True	
Motor A Phase V Over Voltage Fault VH - High-Side	False	
Motor A Phase V Under Voltage Fault VH - High-Side	False	
Motor A Phase V Over Voltage Fault VL - High-Side	False	
Motor A Phase V Under Voltage Fault VL - High-Side	False	
Motor A Phase V Over Voltage Fault VDD - High-SideSide	False	
Motor A Phase V Under Voltage Fault VDD - High-Side	False	
Motor A Phase V Over Voltage Fault VH - Low-Side	False	
Motor A Phase V Under Voltage Fault VH - Low-Side	True	
Motor A Phase V Over Voltage Fault VL - Low-Side	False	
Motor A Phase V Under Voltage Fault VL - Low-Side	False	

Motor A Phase V Over Voltage Fault VDD - Low-Side	False	
Motor A Phase V Under Voltage Fault VDD - Low-Side	False	
Motor A Phase V Comm Error High Voltage Regulator Fault - Low-Side	True	
Motor A Phase V Comm Error Low Voltage Regulator Fault - Low-Side	True	
Motor A Phase W Cross Conduction Fault - High-Side	False	
Motor A Phase W Over Voltage Fault VH - High-Side	False	
Motor A Phase W Under Voltage Fault VH - High-Side	False	
Motor A Phase W Over Voltage Fault VL - High-Side	False	
Motor A Phase W Under Voltage Fault VL - High-Side	False	
Motor A Phase W Over Voltage Fault VDD - High-Side	False	
Motor A Phase W Under Voltage Fault VDD - High-Side	False	
Motor A Phase W Comm Error High Voltage Regulator Fault - High-Side	True	
Motor A Phase W Over Voltage Fault VH - Low-Side	False	
Motor A Phase W Under Voltage Fault VH - Low-Side	False	
Motor A Phase W Over Voltage Fault VL - Low-Side	False	
Motor A Phase W Under Voltage Fault VL - Low-Side	False	
Motor A Phase W Over Voltage Fault VDD - Low-Side	False	
Motor A Phase W Under Voltage Fault VDD - Low-Side	False	
Motor A Phase W Comm Error High Voltage Regulator Fault - Low-Side	True	
Inverter A Status Feedback	Inverter Faulted	
GPS Date - Year	0	Year
GPS Date - Month	1	
GPS Date - Day	1	Days
UTC Time - Hours	0	Hours
UTC Time - Minutes	0	
UTC Time - Seconds	0	seconds
ECU Time - Milliseconds	0	ms

HCP | POC0B-00 | Active | Drive Motor A Inverter Power Supply Circuit/Open-

NAME	VALUE	UNITS
DTC	0C 0B 00	
Test Failed	True	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	True	
Occurrence flag	Occurrence	
Original Odometer Value	21992.5	miles
Most Recent Odometer Value	21992.5	miles
Frequency Counter	1	
Ignition Cycle Counter	0	

Real time clock	102545496	sec
RAM stamps keyOn	450	sec
RAM Stamps	192	Min
Accelerator Pedal Position	0	%
Brake Switch Status	Not Applied	
PHEV Charging Status	No Charging	
Engine Speed	0	rpm
HV Battery SOC	79	%
Ignition State	Reserved	
PRND Position Display	P	
Propulsion System Active	False	
Vehicle Speed	0.0000	MPH
Barometric Pressure	14	PSI
Engine Coolant Temperature	124	°F
Actual Torque - Motor A	0.000	Ft-Lbs
Available Motor Torque - Motor A	5.254	Ft-Lbs
Inverter A Input DC Current	0.0	AMP
Electric Motor A Speed	0.0	rpm
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 Phase U Short Fault - High-Side	False	
Motor A Phase U Cross Conduction Fault - High-Side	False	
Motor A Phase U Over Current Fault - High-Side	False	
Motor A Phase U Thermal Warning Fault - High-Side	False	
Motor A Phase U Thermal Shutdown Fault - High-Side	False	
Motor A Phase U Comm Error High Voltage Regulator Fault - High-Side	True	
Motor A Phase U Comm Error Low Voltage Regulator Fault - High-Side	True	
Motor A Phase U SPI Error Fault - High-Side	False	
Motor A Phase U Hardware Error Fault - High-Side	True	
Motor A Phase U Short Fault - Low-Side	False	
Motor A Phase U Cross Conduction Fault - Low-Side	False	
Motor A Phase U Over Current Fault - Low-Side	False	
Motor A Phase U Thermal Warning Fault - Low-Side	False	
Motor A Phase U Thermal Shutdown Fault - Low-Side	False	
Motor A Phase U SPI Error Fault - Low-Side	False	
Motor A Phase U Hardware Error Fault - Low-Side	True	
Motor A Phase V Short Fault - High-Side	False	
Motor A Phase V Cross Conduction Fault - High-Side	False	
Motor A Phase V Over Current Fault - High-Side	False	
Motor A Phase V Thermal Warning Fault - High-Side	False	
Motor A Phase V Thermal Shutdown Fault - High-Side	False	
Motor A Phase V Comm Error High Voltage Regulator Fault - High-Side	True	
Motor A Phase V Comm Error Low Voltage Regulator Fault - High-Side	True	

Motor A Phase V SPI Error Fault - High-Side	False	
Motor A Phase V Hardware Error Fault - High-Side	True	
Motor A Phase V Short Fault - Low-Side	False	
Motor A Phase V Cross Conduction Fault - Low-Side	False	
Motor A Phase V Over Current Fault - Low-Side	False	
Motor A Phase V Thermal Warning Fault - Low-Side	False	
Motor A Phase V Thermal Shutdown Fault - Low-Side	False	
Motor A Phase V SPI Error Fault - Low-Side	False	
Motor A Phase V Hardware Error Fault - Low-Side	True	
Motor A Phase W Short Fault - High-Side	False	
Motor A Phase W Over Current Fault - High-Side	False	
Motor A Phase W Thermal Warning Fault - High-Side	False	
Motor A Phase W Thermal Shutdown Fault - High-Side	False	
Motor A Phase W Comm Error Low Voltage Regulator Fault - High-Side	True	
Motor A Phase W SPI Error Fault - High-Side	False	
Motor A Phase W Hardware Error Fault - High-Side	True	
Motor A Phase W Short Fault - Low-Side	False	
Motor A Phase W Cross Conduction Fault - Low-Side	False	
Motor A Phase W Over Current Fault - Low-Side	False	
Motor A Phase W Thermal Warning Fault - Low-Side	False	
Motor A Phase W Thermal Shutdown Fault - Low-Side	False	
Motor A Phase W Comm Error Low Voltage Regulator Fault - Low-Side	True	
Motor A Phase W SPI Error Fault - Low-Side	False	
Motor A Phase W Hardware Error Fault - Low-Side	True	
Motor A Resolver Supply Voltage Value	15.75	Volts
Battery Feed Voltage 2 Sense	12.024	Volts
Battery Feed Voltage 3 Sense	12.024	Volts
Internal EPS Voltage Sense A	0.000	Volts
Internal EPS Voltage Sense B	0.000	Volts
Hybrid System State	SNA	
PIM DC Link Voltage - A	3	Volts
PIM DC Link Voltage - B	2	Volts
Passive Pump Coolant Temp In Sensor	68	°F
Low Temp Active Pump Speed	0	rpm
High Temp Aux Pump - Actual Speed	0	rpm
Outside Air Temperature	68.0	°F
HV Contactor Status	Open	
Inverter B Status Feedback	Normal OFF	
Battery Feed Voltage 1 Sense	12.024	Volts
Actual Torque - Motor B	0.000	Ft-Lbs
Available Motor Torque - Motor B	232.301	Ft-Lbs
Available Regen Torque - Motor A	-5.254	Ft-Lbs
Available Regen Torque - Motor B	-232.301	Ft-Lbs
Commanded Torque - Motor A	0.000	Ft-Lbs

Commanded Torque - Motor B	0.000	Ft-Lbs
Motor B - Inverter Current - phase A	0	AMP
Motor B - Inverter Current - phase B	-4	AMP
Motor B - Inverter Current - phase C	-4	AMP
Motor B Resolver Angle	100	Degree
Motor B Temp Sensor	86	°F
HCP ePT Wake-Up Output	On	
CBC Wake-Up Input	Off	
EPT LOC Diag Enable	Enable LOC Diagnostic	
HV Battery Voltage from BPCM	180.00	Volts
Electric Motor B Speed	0.0	rpm
Inverter A IGBT Temperature for phase A	108	°F
Inverter A IGBT Temperature for phase B	111	°F
Inverter A IGBT Temperature for phase C	109	°F
Inverter B IGBT Temperature for phase A	109	°F
Inverter B IGBT Temperature for phase B	111	°F
Inverter B IGBT Temperature for phase C	108	°F
APM Status	Idle	
Impact Event	False	
HCP System Shutdown Command	Default	
Distance Travelled with Light ON	6	miles
Motor A Torque	0.000	Ft-Lbs
Motor B Torque	0.000	Ft-Lbs
OBCM Operating Mode	UTC	
J1772 Prox Detected State	Prox Out	
HV Battery Sleep Time	0	Days
Commanded Inverter A State	Inverter Disabled	
Inverter Status Feedback	Inverter Faulted	
Motor A Phase U Over Voltage Fault VH - High-Side	False	
Motor A Phase U Under Voltage Fault VH - High-Side	False	
Motor A Phase U Over Voltage Fault VL - High-Side	False	
Motor A Phase U Under Voltage Fault VL - High-Side	False	
Motor A Phase U Over Voltage Fault VDD - High-Side	False	
Motor A Phase U Under Voltage Fault VDD - High-Side	False	
Motor A Phase U Over Voltage Fault VH - Low-Side	False	
Motor A Phase U Under Voltage Fault VH - Low-Side	False	
Motor A Phase U Over Voltage Fault VL - Low-Side	False	
Motor A Phase U Under Voltage Fault VL - Low-Side	False	
Motor A Phase U Over Voltage Fault VDD - Low-Side	False	
Motor A Phase U Under Voltage Fault VDD - Low-Side	False	
Motor A Phase U Comm Error High Voltage Regulator Fault - Low-Side	True	
Motor A Phase U Comm Error Low Voltage Regulator Fault - Low-Side	True	
Motor A Phase V Over Voltage Fault VH - High-Side	False	
Motor A Phase V Under Voltage Fault VH - High-Side	False	

Motor A Phase V Over Voltage Fault VL - High-Side	False	
Motor A Phase V Under Voltage Fault VL - High-Side	False	
Motor A Phase V Over Voltage Fault VDD - High-SideSide	False	
Motor A Phase V Under Voltage Fault VDD - High-Side	False	
Motor A Phase V Over Voltage Fault VH - Low-Side	False	
Motor A Phase V Under Voltage Fault VH - Low-Side	True	
Motor A Phase V Over Voltage Fault VL - Low-Side	False	
Motor A Phase V Under Voltage Fault VL - Low-Side	False	
Motor A Phase V Over Voltage Fault VDD - Low-Side	False	
Motor A Phase V Under Voltage Fault VDD - Low-Side	False	
Motor A Phase V Comm Error High Voltage Regulator Fault - Low-Side	True	
Motor A Phase V Comm Error Low Voltage Regulator Fault - Low-Side	True	
Motor A Phase W Cross Conduction Fault - High-Side	False	
Motor A Phase W Over Voltage Fault VH - High-Side	False	
Motor A Phase W Under Voltage Fault VH - High-Side	False	
Motor A Phase W Over Voltage Fault VL - High-Side	False	
Motor A Phase W Under Voltage Fault VL - High-Side	False	
Motor A Phase W Over Voltage Fault VDD - High-Side	False	
Motor A Phase W Under Voltage Fault VDD - High-Side	False	
Motor A Phase W Comm Error High Voltage Regulator Fault - High-Side	True	
Motor A Phase W Over Voltage Fault VH - Low-Side	False	
Motor A Phase W Under Voltage Fault VH - Low-Side	False	
Motor A Phase W Over Voltage Fault VL - Low-Side	False	
Motor A Phase W Under Voltage Fault VL - Low-Side	False	
Motor A Phase W Over Voltage Fault VDD - Low-Side	False	
Motor A Phase W Under Voltage Fault VDD - Low-Side	False	
Motor A Phase W Comm Error High Voltage Regulator Fault - Low-Side	True	
Inverter A Status Feedback	Inverter Faulted	
GPS Date - Year	0	Year
GPS Date - Month	1	
GPS Date - Day	1	Days
UTC Time - Hours	0	Hours
UTC Time - Minutes	0	
UTC Time - Seconds	0	seconds
ECU Time - Milliseconds	0	ms

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

NAME	VALUE	UNITS
DTC	16 F9 00	
Test Failed	True	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	

Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	True	
DTC Extended Data Record Number	05	
Occurrence flag	Occurrence	
Original Odometer Value	21992.5	miles
Most Recent Odometer Value	21992.5	miles
Frequency Counter	5	
Ignition Cycle Counter	0	
Real time clock	102997208	sec
RAM stamps keyOn	0	sec
RAM Stamps	20	Min
Accelerator Pedal Position	0	%
Brake Switch Status	Not Applied	
PHEV Charging Status	No Charging	
Engine Speed	0	rpm
HV Battery SOC	79	%
Ignition State	Ignition Lock	
PRND Position Display	P	
Propulsion System Active	False	
Vehicle Speed	0.0000	MPH
Barometric Pressure	15	PSI
Engine Coolant Temperature	176	°F
Main Processor Reset Source - Core 0	Controller Specific Exceptions	
Main Processor Reset Source - Core 1	Power Up	
Static NVM CRC Status	Passed	
Cumulative NVM CRC Status	Passed	
Adaptable NVM CRC Status	Passed	
Preserved NVM CRC Status	Passed	
Expendable NVM CRC Status	Passed	
MCPUninit EEPROM CRC Status	Passed	
MCPInit EEPROM CRC Status	Passed	
Non Volatile RAM CRC Status	Passed	
BSW EEPROM CRC Status	Passed	
HCP - MCPA SPI CRC Error Count	00	
HCP - MCPA SPI ARC Error Count	00	
MCPB - MCPA SPI CRC Error Count	00	
MCPB - MCPA SPI ARC Error Count	00	
MemShare CRC Error Count- Core 0	02	
MemShare ARC Error Count- Core 0	00	
MemShare CRC Error Count- Core 1	FF	
MemShare ARC Error Count- Core 1	02	
Main Stack Fault	False	
Main Analog-to-Digital Converter Fault	False	

External Watchdog Fault	False	
MainTPU_Flt	False	
Main Clock Fault	False	
MAIN ALU Fault	False	
MAIN Detected SPI Fault	False	
Main Detected Seed Received In Wrong Order	False	
Battery Feed Voltage 2 Sense	11.448	Volts
Internal EPS Voltage Sense A	0.000	Volts
Internal EPS Voltage Sense B	0.000	Volts
Battery Feed Voltage 1 Sense	11.520	Volts
Battery Feed Voltage 3 Sense	11.448	Volts
Hybrid System State	Evaluate High Voltage Enable	
Actual Torque - Motor A	0.000	Ft-Lbs
Actual Torque - Motor B	0.000	Ft-Lbs
Available Motor Torque - Motor A	86.744	Ft-Lbs
Available Motor Torque - Motor B	232.301	Ft-Lbs
Available Regen Torque - Motor A	-86.744	Ft-Lbs
Available Regen Torque - Motor B	-232.301	Ft-Lbs
Commanded Torque - Motor A	0.000	Ft-Lbs
Commanded Torque - Motor B	0.000	Ft-Lbs
Motor A - Inverter Current - phase A	-4	AMP
Motor A - Inverter Current - phase B	0	AMP
Motor A - Inverter Current - phase C	0	AMP
Motor B - Inverter Current - phase A	0	AMP
Motor B - Inverter Current - phase B	0	AMP
Motor B - Inverter Current - phase C	0	AMP
Motor A Resolver Angle	102	Degree
Motor B Resolver Angle	230	Degree
Motor A Temp Sensor	77	°F
Motor B Temp Sensor	77	°F
Outside Air Temperature	79.7	°F
HCP ePT Wake-Up Output	On	
CBC Wake-Up Input	On	
EPT LOC Diag Enable	Disable LOC Daignostic	
HV Contactor Status	Open	
HV Battery Voltage from BPCM	180.00	Volts
Electric Motor A Speed	0.0	rpm
Electric Motor B Speed	0.5	rpm
PIM DC Link Voltage - A	2	Volts
PIM DC Link Voltage - B	2	Volts
Inverter A IGBT Temperature for phase A	32	°F
Inverter A IGBT Temperature for phase B	32	°F
Inverter A IGBT Temperature for phase C	32	°F
Inverter B IGBT Temperature for phase A	32	°F

Inverter B IGBT Temperature for phase B	32	°F
Inverter B IGBT Temperature for phase C	32	°F
APM Status	Idle	
Impact Event	False	
HCP System Shutdown Command	Default	
Distance Travelled with Light ON	0	miles
Motor A Torque	0.000	Ft-Lbs
Motor B Torque	0.000	Ft-Lbs
OBCM Operating Mode	UTC	
J1772 Prox Detected State	Prox Out	
HV Battery Sleep Time	0	Days
GPS Date - Year	0	Year
GPS Date - Month	1	
GPS Date - Day	1	Days
UTC Time - Hours	0	Hours
UTC Time - Minutes	0	
UTC Time - Seconds	0	seconds
ECU Time - Milliseconds	0	ms

HCP | P1AEC-00 | Pending | MCPA HV Battery Voltage Sensor Circuit Performance-

NAME	VALUE	UNITS
DTC	1A EC 00	
Test Failed	False	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Confirmed DTC	False	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
Occurrence flag		
Original Odometer Value		miles
Most Recent Odometer Value		miles
Frequency Counter		
Ignition Cycle Counter		
Real time clock		sec
RAM stamps keyOn		sec
RAM Stamps		Min
Accelerator Pedal Position		%
Brake Switch Status		
PHEV Charging Status		
Engine Speed		rpm
HV Battery SOC		%
Ignition State		

PRND Position Display		
Propulsion System Active		
Vehicle Speed		MPH
Barometric Pressure		PSI
Engine Coolant Temperature		°F
Actual Torque - Motor A		Ft-Lbs
Available Motor Torque - Motor A		Ft-Lbs
Inverter A Input DC Current		AMP
Electric Motor A Speed		rpm
Motor A - Inverter Current - phase A		AMP
Motor A - Inverter Current - phase B		AMP
Motor A - Inverter Current - phase C		AMP
Motor A Phase U Short Fault - High-Side		
Motor A Phase U Cross Conduction Fault - High-Side		
Motor A Phase U Over Current Fault - High-Side		
Motor A Phase U Thermal Warning Fault - High-Side		
Motor A Phase U Thermal Shutdown Fault - High-Side		
Motor A Phase U Comm Error High Voltage Regulator Fault - High-Side		
Motor A Phase U Comm Error Low Voltage Regulator Fault - High-Side		
Motor A Phase U SPI Error Fault - High-Side		
Motor A Phase U Hardware Error Fault - High-Side		
Motor A Phase U Short Fault - Low-Side		
Motor A Phase U Cross Conduction Fault - Low-Side		
Motor A Phase U Over Current Fault - Low-Side		
Motor A Phase U Thermal Warning Fault - Low-Side		
Motor A Phase U Thermal Shutdown Fault - Low-Side		
Motor A Phase U SPI Error Fault - Low-Side		
Motor A Phase U Hardware Error Fault - Low-Side		
Motor A Phase V Short Fault - High-Side		
Motor A Phase V Cross Conduction Fault - High-Side		
Motor A Phase V Over Current Fault - High-Side		
Motor A Phase V Thermal Warning Fault - High-Side		
Motor A Phase V Thermal Shutdown Fault - High-Side		
Motor A Phase V Comm Error High Voltage Regulator Fault - High-Side		
Motor A Phase V Comm Error Low Voltage Regulator Fault - High-Side		
Motor A Phase V SPI Error Fault - High-Side		
Motor A Phase V Hardware Error Fault - High-Side		
Motor A Phase V Short Fault - Low-Side		
Motor A Phase V Cross Conduction Fault - Low-Side		
Motor A Phase V Over Current Fault - Low-Side		
Motor A Phase V Thermal Warning Fault - Low-Side		
Motor A Phase V Thermal Shutdown Fault - Low-Side		
Motor A Phase V SPI Error Fault - Low-Side		
Motor A Phase V Hardware Error Fault - Low-Side		

Motor A Phase W Short Fault - High-Side		
Motor A Phase W Over Current Fault - High-Side		
Motor A Phase W Thermal Warning Fault - High-Side		
Motor A Phase W Thermal Shutdown Fault - High-Side		
Motor A Phase W Comm Error Low Voltage Regulator Fault - High-Side		
Motor A Phase W SPI Error Fault - High-Side		
Motor A Phase W Hardware Error Fault - High-Side		
Motor A Phase W Short Fault - Low-Side		
Motor A Phase W Cross Conduction Fault - Low-Side		
Motor A Phase W Over Current Fault - Low-Side		
Motor A Phase W Thermal Warning Fault - Low-Side		
Motor A Phase W Thermal Shutdown Fault - Low-Side		
Motor A Phase W Comm Error Low Voltage Regulator Fault - Low-Side		
Motor A Phase W SPI Error Fault - Low-Side		
Motor A Phase W Hardware Error Fault - Low-Side		
Motor A Resolver Supply Voltage Value		Volts
Battery Feed Voltage 2 Sense		Volts
Battery Feed Voltage 3 Sense		Volts
Internal EPS Voltage Sense A		Volts
Internal EPS Voltage Sense B		Volts
Hybrid System State		
PIM DC Link Voltage - A		Volts
PIM DC Link Voltage - B		Volts
Passive Pump Coolant Temp In Sensor		°F
Low Temp Active Pump Speed		rpm
High Temp Aux Pump - Actual Speed		rpm
Outside Air Temperature		°F
HV Contactor Status		
Inverter B Status Feedback		
Battery Feed Voltage 1 Sense		Volts
Actual Torque - Motor B		Ft-Lbs
Available Motor Torque - Motor B		Ft-Lbs
Available Regen Torque - Motor A		Ft-Lbs
Available Regen Torque - Motor B		Ft-Lbs
Commanded Torque - Motor A		Ft-Lbs
Commanded Torque - Motor B		Ft-Lbs
Motor B - Inverter Current - phase A		AMP
Motor B - Inverter Current - phase B		AMP
Motor B - Inverter Current - phase C		AMP
Motor B Resolver Angle		Degree
Motor B Temp Sensor		°F
HCP ePT Wake-Up Output		
CBC Wake-Up Input		
EPT LOC Diag Enable		

HV Battery Voltage from BPCM		Volts
Electric Motor B Speed		rpm
Inverter A IGBT Temperature for phase A		°F
Inverter A IGBT Temperature for phase B		°F
Inverter A IGBT Temperature for phase C		°F
Inverter B IGBT Temperature for phase A		°F
Inverter B IGBT Temperature for phase B		°F
Inverter B IGBT Temperature for phase C		°F
APM Status		
Impact Event		
HCP System Shutdown Command		
Distance Travelled with Light ON		miles
Motor A Torque		Ft-Lbs
Motor B Torque		Ft-Lbs
OBCM Operating Mode		
J1772 Prox Detected State		
HV Battery Sleep Time		Days
Commanded Inverter A State		
Inverter Status Feedback		
Motor A Phase U Over Voltage Fault VH - High-Side		
Motor A Phase U Under Voltage Fault VH - High-Side		
Motor A Phase U Over Voltage Fault VL - High-Side		
Motor A Phase U Under Voltage Fault VL - High-Side		
Motor A Phase U Over Voltage Fault VDD - High-Side		
Motor A Phase U Under Voltage Fault VDD - High-Side		
Motor A Phase U Over Voltage Fault VH - Low-Side		
Motor A Phase U Under Voltage Fault VH - Low-Side		
Motor A Phase U Over Voltage Fault VL - Low-Side		
Motor A Phase U Under Voltage Fault VL - Low-Side		
Motor A Phase U Over Voltage Fault VDD - Low-Side		
Motor A Phase U Under Voltage Fault VDD - Low-Side		
Motor A Phase U Comm Error High Voltage Regulator Fault - Low-Side		
Motor A Phase U Comm Error Low Voltage Regulator Fault - Low-Side		
Motor A Phase V Over Voltage Fault VH - High-Side		
Motor A Phase V Under Voltage Fault VH - High-Side		
Motor A Phase V Over Voltage Fault VL - High-Side		
Motor A Phase V Under Voltage Fault VL - High-Side		
Motor A Phase V Over Voltage Fault VDD - High-SideSide		
Motor A Phase V Under Voltage Fault VDD - High-Side		
Motor A Phase V Over Voltage Fault VH - Low-Side		
Motor A Phase V Under Voltage Fault VH - Low-Side		
Motor A Phase V Over Voltage Fault VL - Low-Side		
Motor A Phase V Under Voltage Fault VL - Low-Side		
Motor A Phase V Over Voltage Fault VDD - Low-Side		

Motor A Phase V Under Voltage Fault VDD - Low-Side		
Motor A Phase V Comm Error High Voltage Regulator Fault - Low-Side		
Motor A Phase V Comm Error Low Voltage Regulator Fault - Low-Side		
Motor A Phase W Cross Conduction Fault - High-Side		
Motor A Phase W Over Voltage Fault VH - High-Side		
Motor A Phase W Under Voltage Fault VH - High-Side		
Motor A Phase W Over Voltage Fault VL - High-Side		
Motor A Phase W Under Voltage Fault VL - High-Side		
Motor A Phase W Over Voltage Fault VDD - High-Side		
Motor A Phase W Under Voltage Fault VDD - High-Side		
Motor A Phase W Comm Error High Voltage Regulator Fault - High-Side		
Motor A Phase W Over Voltage Fault VH - Low-Side		
Motor A Phase W Under Voltage Fault VH - Low-Side		
Motor A Phase W Over Voltage Fault VL - Low-Side		
Motor A Phase W Under Voltage Fault VL - Low-Side		
Motor A Phase W Over Voltage Fault VDD - Low-Side		
Motor A Phase W Under Voltage Fault VDD - Low-Side		
Motor A Phase W Comm Error High Voltage Regulator Fault - Low-Side		
Inverter A Status Feedback		
GPS Date - Year		Year
GPS Date - Month		
GPS Date - Day		Days
UTC Time - Hours		Hours
UTC Time - Minutes		
UTC Time - Seconds		seconds
ECU Time - Milliseconds		ms

HCP | P1AED-00 | Pending | MCPB High Voltage Battery Voltage Sensor Circuit Performance-

NAME	VALUE	UNITS
DTC	1A ED 00	
Test Failed	False	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Confirmed DTC	False	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
Occurrence flag		
Original Odometer Value		miles
Most Recent Odometer Value		miles
Frequency Counter		
Ignition Cycle Counter		
Real time clock		sec

RAM stamps keyOn		sec
RAM Stamps		Min
Accelerator Pedal Position		%
Brake Switch Status		
PHEV Charging Status		
Engine Speed		rpm
HV Battery SOC		%
Ignition State		
PRND Position Display		
Propulsion System Active		
Vehicle Speed		MPH
Barometric Pressure		PSI
Engine Coolant Temperature		°F
Actual Torque - Motor B		Ft-Lbs
Available Motor Torque - Motor B		Ft-Lbs
Inverter B Input DC Current		AMP
Electric Motor B Speed		rpm
Commanded Inverter B State		
Motor B - Inverter Current - phase A		AMP
Motor B - Inverter Current - phase B		AMP
Motor B - Inverter Current - phase C		AMP
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 SPI Error Fault - High-Side		
Motor B Phase W Hardware 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		
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 1 Sense		Volts
Battery Feed Voltage 3 Sense		Volts
Hybrid System State		
Actual Torque - Motor A		Ft-Lbs
Available Motor Torque - Motor A		Ft-Lbs
Available Regen Torque - Motor A		Ft-Lbs
Available Regen Torque - Motor B		Ft-Lbs
Commanded Torque - Motor A		Ft-Lbs
Commanded Torque - Motor B		Ft-Lbs
Motor A - Inverter Current - phase A		AMP
Motor A - Inverter Current - phase B		AMP

Motor A - Inverter Current - phase C		AMP
Motor A Resolver Angle		Degree
Motor A Temp Sensor		°F
Outside Air Temperature		°F
HCP ePT Wake-Up Output		
CBC Wake-Up Input		
EPT LOC Diag Enable		
HV Contactor Status		
HV Battery Voltage from BPCM		Volts
Electric Motor A Speed		rpm
PIM DC Link Voltage - A		Volts
PIM DC Link Voltage - B		Volts
Inverter A IGBT Temperature for phase A		°F
Inverter A IGBT Temperature for phase B		°F
Inverter A IGBT Temperature for phase C		°F
Inverter B IGBT Temperature for phase A		°F
Inverter B IGBT Temperature for phase B		°F
Inverter B IGBT Temperature for phase C		°F
APM Status		
Impact Event		
HCP System Shutdown Command		
Distance Travelled with Light ON		miles
Motor A Torque		Ft-Lbs
Motor B Torque		Ft-Lbs
OBCM Operating Mode		
J1772 Prox Detected State		
HV Battery Sleep Time		Days
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 Over Voltage Fault VH - Low-Side		
Motor B Phase W Under 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 Over Voltage Fault VDD - Low-Side		
Motor B Phase W Under Voltage Fault VDD - Low-Side		
GPS Date - Year		Year
GPS Date - Month		
GPS Date - Day		Days
UTC Time - Hours		Hours
UTC Time - Minutes		
UTC Time - Seconds		seconds
ECU Time - Milliseconds		ms

HCP | U0623-00 | Active | Lost Communication with Coolant Pump "A"-

NAME	VALUE	UNITS
DTC	C6 23 00	
Test Failed	True	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Confirmed DTC	False	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
Occurrence flag		
Original Odometer Value		miles
Most Recent Odometer Value		miles

Frequency Counter		
Ignition Cycle Counter		
Real time clock		sec
RAM stamps keyOn		sec
RAM Stamps		Min
Accelerator Pedal Position		%
Brake Switch Status		
PHEV Charging Status		
Engine Speed		rpm
HV Battery SOC		%
Ignition State		
PRND Position Display		
Propulsion System Active		
Vehicle Speed		MPH
Barometric Pressure		PSI
Engine Coolant Temperature		°F
A/C Refrigerant Pressure		PSI
Passive Pump Coolant Temp In Sensor		°F
Electric Coolant Heater Temp Sensor		°F
Heater Core Coolant Temp Sensor		°F
Motor A Temp Sensor		°F
Motor B Temp Sensor		°F
Outside Air Temperature		°F
Thermal System Enable State		
EAC Compressor Speed		rpm
High Temperature Shut-Off Valve Status		
Front Refrigerant Shut-Off Valve Status		
High Temp Cabin Valve Feedback		degrees
Chiller Shut-Off Valve Status		
Radiator Fan Duty Cycle		%
HV Coolant Heater - Measured Coolant Inlet Temp		°F
HV Coolant Heater - Measured Coolant Outlet Temp		°F
Low Temp Passive Pump - Temperature		°F
Low Temp Active Pump - Temperature		°F
Battery Feed Voltage 2 Sense		Volts
Battery Feed Voltage 3 Sense		Volts
Internal EPS Voltage Sense A		Volts
Internal EPS Voltage Sense B		Volts
Hybrid System State		
Battery Feed Voltage 1 Sense		Volts
Actual Torque - Motor B		Ft-Lbs
Available Motor Torque - Motor A		Ft-Lbs
Available Motor Torque - Motor B		Ft-Lbs
Available Regen Torque - Motor A		Ft-Lbs

Available Regen Torque - Motor B		Ft-Lbs
Commanded Torque - Motor A		Ft-Lbs
Commanded Torque - Motor B		Ft-Lbs
Motor A - Inverter Current - phase A		AMP
Motor A - Inverter Current - phase B		AMP
Motor A - Inverter Current - phase C		AMP
Motor B - Inverter Current - phase A		AMP
Motor B - Inverter Current - phase B		AMP
Motor B - Inverter Current - phase C		AMP
Motor A Resolver Angle		Degree
Motor B Resolver Angle		Degree
CBC Wake-Up Input		
EPT LOC Diag Enable		
HV Contactor Status		
HV Battery Voltage from BPCM		Volts
Electric Motor A Speed		rpm
Electric Motor B Speed		rpm
PIM DC Link Voltage - A		Volts
PIM DC Link Voltage - B		Volts
Inverter A IGBT Temperature for phase A		°F
Inverter A IGBT Temperature for phase B		°F
Inverter A IGBT Temperature for phase C		°F
Inverter B IGBT Temperature for phase A		°F
Inverter B IGBT Temperature for phase B		°F
Inverter B IGBT Temperature for phase C		°F
APM Status		
Impact Event		
HCP System Shutdown Command		
Distance Travelled with Light ON		miles
Motor A Torque		Ft-Lbs
Motor B Torque		Ft-Lbs
OBCM Operating Mode		
J1772 Prox Detected State		
HV Battery Sleep Time		Days
GPS Date - Year		Year
GPS Date - Month		
GPS Date - Day		Days
UTC Time - Hours		Hours
UTC Time - Minutes		
UTC Time - Seconds		seconds
ECU Time - Milliseconds		ms

SNAPSHOT DATA SUMMARY

No Snapshot Data available for U11E9

No Snapshot Data available for P0073

No Snapshot Data available for U0422-00

No Snapshot Data available for U0422-00

No Snapshot Data available for B162E-15

No Snapshot Data available for P0070-15

No Snapshot Data available for P0A95-00

No Snapshot Data available for P0AA4-00

No Snapshot Data available for P0073-00

No Snapshot Data available for P062F-00

No Snapshot Data available for P0A78-00

No Snapshot Data available for P0C0B-00

No Snapshot Data available for P16F9-00

No Snapshot Data available for P1AEC-00

No Snapshot Data available for P1AED-00

No Snapshot Data available for U0623-00



VEHICLE SCAN REPORT

Vehicle 2019 CHRYSLER PACIFICA 3.6L V6 HYBRID ENGINE
VIN [REDACTED]

Odometer 21992.5 miles
Publication Date Jun 2, 2022, 9:35:34 AM

ECU SUMMARY INFO

ECU	NAME	BUS TYPE	FLASH PART #	CURRENT VIN	ORIGINAL VIN	PART #
PCM	Powertrain Control Module	CAN-C	68416681AG	[REDACTED]	[REDACTED]	68416681AG
ICS	Integrated Center Stack	CAN-I	6EV301X8AB			6EV301X8AB
RFH	Radio Frequency Hub	CAN-C	68383680AB			68383680AB
ESM	Electronic Shifter	CAN-C	68240089AL			68240089AL
ORC	Occupant Restraint	CAN-C	68405567AB			68405567AB
EPS	Electric Power Steering	CAN-C	68416741AA			68416741AA
HVAC	Heat, Ventilation and A/C	CAN-I	68406613AA			68406613AA
DDM	Driver Door Module	CAN-I	68316561AD			68316561AD
PDM	Passenger Door Module	CAN-I	68316560AD			68316560AD
DMRL	Door Module Rear Left	CAN-I	68225096AG			68225096AG
DMRR	Door Module Rear Right	CAN-I	68225096AG			68225096AG
PSDML	Power Sliding Doors (Left)	CAN-I	68369596AB			68369596AB
PSDMR	Power Sliding Doors (Right)	CAN-I	68369596AB			68369596AB
PLGM	Power Liftgate	CAN-I	68316094AF			68316094AF
AMP	Amplifier	CAN-I	68338770AC			68338770AC
IPC	Instrument Panel Cluster	CAN-C	68405292AC			68405292AC
PTS	Parktronics	CAN-C	68193772AJ			68193772AJ
SCCM	Steering Column Control Module	CAN-C	68360889AC			68360889AC
BCM	Body Controller	CAN-C	68402177AB			68402177AB
HSM	Heated Seat Module	CAN-I	68414665AA			68414665AA
RADIO	Radio	CAN-I	68401442AB			68401442AB
OCM	Occupant Classification	CAN-C	68403127AA			68403127AA

HVACR	Heat, Ventilation and A/C Rear	CAN-I	68373079AB		68373079AB
LBSS	Left Blind Spot Sensor	CAN-I	04672786AB		04672786AB
RBSS	Right Blind Spot Sensor	CAN-I	04672786AB		04672786AB
APM	Accessory Power Module	CAN-C	05185046AB		05185046AB
BPCM	Battery Pack Control Module	CAN-C	05193166AF		05193166AF
HCP	Hybrid Control Processor	CAN-C	05190240AQ		05190240AQ
OBCM	On Board Charging Module	CAN-C	05185047AD		05185047AD
DSM	Display Screen Module	CAN-I	68316175AB		68316175AB
RCCC	Rear Cabin Comfort Controls	CAN-I	68395990AA		68395990AA
EAC	Electric A/C Compressor	CAN-C	68237995AG		68237995AG
AHCP	Auxiliary Hybrid Control Processor	CAN-C	05190241AQ		05190241AQ
EBBM	Electronic Brake Booster Module	CAN-C	68461813AB		68461813AB
ABSO	Anti Lock Brakes OBD	CAN-C	68283578AD		68283578AD
SGW	Security Gateway Module	CAN-C	68420261AA		68420261AA

ECU SUMMARY INFO (CONT...)

ECU	COUNTRY CODE	HARDWARE VERSION	SOFTWARE VERSION	IDENT	CVNS
PCM	USA	1B 47	46 04 00	4419	
ICS	USA	0F 0C 00	11 16 00	4400	
RFH	USA / USA	10 17 00	12 08 00	4A00	
ESM	USA / USA	0F 24 00	12 02 FF	4402	
ORC	USA / USA	11 1F 00	11 27 00	4301	
EPS	USA / USA	12 02 03	11 15 01	4502	
HVAC	USA	0E 09 00	11 29 01	4401	
DDM	USA / USA	11 30 00	17 42 00	4102	
PDM	USA	11 30 00	17 42 00	4102	
DMRL	USA / USA	10 0B 00	12 0C 00	4201	
DMRR	USA / USA	10 0B 00	12 0C 00	4201	
PSDML	USA / USA	10 17 00	11 2D 10	4001	
PSDMR	USA / USA	10 17 00	11 2D 10	4001	
PLGM	USA	17 19 00	18 22 00	4202	
AMP	USA	17 2A 01	12 0F 00	4030	
IPC	USA / USA	12 0A 00	12 10 00	4704	
PTS	USA	0E 32 00	12 1F 00	4311	
SCCM	USA	0E 30 00	10 2B 00	4301	
BCM	USA	0D 11 00	12 0B 90	4415	

HSM	USA / USA	15 12 00	12 05 01	4003	
RADIO	USA	12 21 24	12 21 24	8205	
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	
APM	USA / USA	11 32 00	11 32 00	4001	
BPCM		0E 03 00	14 17 00	4005	
HCP	USA	11 1F 04	14 08 01	4005	
OBCM	USA	0F 0D 00	11 2B 00	4002	
DSM	USA / USA	11 16 00	11 15 00	4000	
RCCC	USA	0F 1D 00	11 16 00	4000	
EAC	USA	0E 34 00	12 0F 00	4102	
AHCP	USA	11 1F 04	14 08 01	4000	
EBBM	USA	0E 19 02	14 0D 18	4000	
ABSO	USA	0E 15 02	14 13 17	4201	
SGW		5	564	4102	

DTC SUMMARY

ECU	DTC CODE	DTC DESCRIPTION	STATUS
BPCM	P0A95-00	High Voltage Fuse "A"-	Active
HCP	P0A78-00	Drive Motor A Inverter Performance-	Active
HCP	P0C0B-00	Drive Motor A Inverter Power Supply Circuit/Open-	Active
HCP	P16F9-00	HCP Internal - Shutdown Performance-	Active
HCP	U0623-00	Lost Communication with Coolant Pump "A"-	Active
ABSO	C2222-00	Improper Powerdown-	Active

ENVIRONMENTAL DATA SUMMARY

BPCM | P0A95-00 | Active | High Voltage Fuse "A"-

NAME	VALUE	UNITS
DTC	0A 95 00	
Test Failed	True	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
Occurrence flag	ERROR	
Original Odometer Value	21992	miles
Most Recent Odometer Value	21992	miles

Frequency Counter	1	
Ignition Cycle Counter	0	
FoM - for this DTC (lifetime fails)	62	events
FoM - for this DTC (lifetime fails counts on pass)	0.0000	seconds
FoM - for this DTC (lifetime longest fail on pass)	0.000	seconds
Battery Total Time Awake	103008896	seconds
Key in Ignition	Key_Def	
Key Position	Ign_Lock	
EPT -WakeUp	Sourced	
HCP Contactor Command	Impact Open	
Qualified Contactor Command - QCC	Open	
Verified Contactor Command - VCC	Invalid	
Contactor Status	Open	
Plug in Status	Not plugged in	
ChargingLevel	Plug in, but no charge	
Balance Mode	False	
Battery in Periodic wake up (Just battery) at time of Fault	False	
Battery in Periodic wake up (Wake up vehicle) at time of Fault	False	
Vehicle mileage at time of fault (ODO signal in \$3D2)	21992.46	miles
Battery Lifetime Miles	E82A9F	miles
Vehicle Speed	0.0	MPH
System (12) Volts at time of fault	13.092	Volts
Battery Lifetime AmpHrs of Charge	13895.0	AHr
Battery Lifetime AmpHrs of DisCharge	13849.8	AHr
SOC at time of Fault	79.2	%
Power Up SOC at time of Fault	79.2	%
HVIL Status -Vehicle	PASS	
HVIL Status - Battery pack	PASS	
HVIL PWM Duty Cycle - Vehicle	50.2	%
HVIL PWM Frequency - Vehicle	87.9	Hz
HVIL PWM peak voltage Sourced - Vehicle	11.772	Volts
HVIL PWM peak voltage Sensed - Vehicle	11.733	Volts
HVIL Source Voltage- Battery	1.392	Volts
HVIL Returned current - Battery	30.60	mA
HV Battery Current Sensor 1 Hall High	0.00	Amps
HV Battery Current Sensor 2 Hall Low	0.00	Amps
HV Battery Current HVBatCmnt	0.00	Amps
HV Cooling Speed Pump 1 Target	0	rpm
HV Cooling Speed pump 1 Speed	0	rpm
Charge indicator Temp	73	°F
BPCM temperature max	73	°F
BPCM temperature min	72	°F
Pump - Wire Open\Short to Gnd	PASS	
Pump - Dry Run Detection	PASS	

Pump - Overcurrent	PASS	
Pump - Overtemperature	PASS	
Pump - Switch Power Shorted	PASS	
Isolation Circuitry Va	2.497	Volts
Isolation Circuitry Vb	2.501	Volts
Isolation Circuitry Vd	0.000	Volts
WC and Circuitry 2.5V Reference Voltage	2.501	Volts
WC and Circuitry Vcc Voltage	5.012	Volts
WC and CircuitryISO 8V Reference Voltage	8.002	Volts
WC and Circuitry Weld Contactor Sensor G (Pack Negative) Voltage	-1.0	Volts
CVTN COMP ERR H	Normal	
CVTN COMP ERR L	Normal	
CVTN COMP FLT H	Normal	
CVTN COMP FLT L	Normal	
CVTN EDGE ERR H	Normal	
CVTN EDGE ERR L	Normal	
CVTN ABORT H	Normal	
CVTN ABORT L	Normal	
CVTN CRC FAULT H	Normal	
CVTN CRC FAULT L	Normal	
CVTN FRAM ERR	Normal	
CVTN STOP ERR	Normal	
CVTN STK FAULT ERR	Latched	
CVTN SYS RESET	Normal	
CVTN COMM TIMEOUT	Normal	
CVTN VDIG WAKE FAULT	Normal	
CVTN INT TEMP FAULT	Normal	
CVTN VDIG FAULT	Normal	
CVTN VM FAULT	Normal	
CVTN VP FAULT	Normal	
CVTN VP CLAMP	Normal	
CVTN FACT CKSUM ERR	Normal	
CVTN ANALOG FAULT ERR	Normal	
CVTN HREF FAULT	Normal	
CVTN HREF GND FAULT	Normal	
CVTN ADC CAL ERR	Normal	
CVTN CUST ECC COR	Normal	
CVTN CUST ECC ERR	SNA	
CVTN FACT ECC COR	SNA	
CVTN ACT ECC ERR	SNA	
Cycles left to self heal	40	No Unit
Fault trigger level 1	False	
Fault trigger level 2	False	
Fault trigger level 3	False	

Fault Path	01	
HV Battery Charge Power 2sec	103275	watts
HV Battery Charge Power 10sec	88374	watts
HV Battery Discharge Power 2sec	103209	watts
HV Battery Discharge Power 10sec	100953	watts
HV Battery Power	007530	watts
Key - DriveRdy (CAN)	True	
Battery Lifetime Number Of Closes	4616	
Battery Full AmpHr Capacity	46	AmpHrs
Cell Impedance Max Discharge	0	mOhms
Cell Impedance Mim Discharge	0	mOhms
Battery Cell Voltage Maximum	3966	mV
Battery Cell Voltage Minimum	3949	mV
Battery Cell Voltage Average	3961	mV
Battery Cell Highest Cell number	80	
Battery Cell Lowest Cell number	15	
HV Battery Voltage (cell sum)	380.20	Volts
HV Battery Voltage (Module Sum)	379.80	Volts
HV Sensor A Pack Voltage	13.60	Volts
HV Sensor B Bus\Link (Pre-Fuse) Voltage	0.70	Volts
HV Sensor C OBCM (HVOBC Fuse) Voltage	0.70	Volts
HV Sensor D Heater (HVHTR Fuse) Voltage	0.60	Volts
HV Sensor G Weld Contactor(Pack Negative) Voltage	-1.0	Volts
Battery Temperature Maximum Module	73	°F
Battery Temperature Minimum Module	72	°F
Battery Temperature Average Module	73	°F
Battery Temperature Highest Sensor number	10	
Battery Temperature Lowest Sensor number	12	
Battery Temperature Number of Failing Sensors	00	
HV Cooling Pump Relay Drive	Not Sourced	
HV Cooling Battery coolant inlet temp	72	°F
HV Cooling Battery coolant outlet temp	73	°F
HV Cooling OBCM temp inlet Temp	70	°F
Pump - Battery Coolant Level Low	False	
Isolation Vehicle Diagnostic Status	Run and Passed	
Isolation Vehicle Impedance	7.7263	Mega Ohms
Isolation Battery Diagnostic Status	Run and Passed	
Isolation Battery Impedance	0.8480	Mega Ohms
CVTN CUST CKSUM ERR	Normal	

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

NAME	VALUE	UNITS
DTC	0A 78 00	
Test Failed	True	

Test Failed This Operation Cycle	True	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	True	
Occurrence flag	Occurrence	
Original Odometer Value	21992.5	miles
Most Recent Odometer Value	21992.5	miles
Frequency Counter	1	
Ignition Cycle Counter	0	
Real time clock	103008784	sec
RAM stamps keyOn	30	sec
RAM Stamps	64	Min
Accelerator Pedal Position	0	%
Brake Switch Status	Not Applied	
PHEV Charging Status	No Charging	
Engine Speed	0	rpm
HV Battery SOC	79	%
Ignition State	Reserved	
PRND Position Display	P	
Propulsion System Active	False	
Vehicle Speed	0.0000	MPH
Barometric Pressure	14	PSI
Engine Coolant Temperature	72	°F
Actual Torque - Motor A	0.000	Ft-Lbs
Available Motor Torque - Motor A	0.000	Ft-Lbs
Inverter A Input DC Current	0.0	AMP
Electric Motor A Speed	0.0	rpm
Motor A - Inverter Current - phase A	0	AMP
Motor A - Inverter Current - phase B	-4	AMP
Motor A - Inverter Current - phase C	-4	AMP
Motor A Phase U Short Fault - High-Side	False	
Motor A Phase U Cross Conduction Fault - High-Side	False	
Motor A Phase U Over Current Fault - High-Side	False	
Motor A Phase U Thermal Warning Fault - High-Side	False	
Motor A Phase U Thermal Shutdown Fault - High-Side	False	
Motor A Phase U Comm Error High Voltage Regulator Fault - High-Side	True	
Motor A Phase U Comm Error Low Voltage Regulator Fault - High-Side	True	
Motor A Phase U SPI Error Fault - High-Side	False	
Motor A Phase U Hardware Error Fault - High-Side	True	
Motor A Phase U Short Fault - Low-Side	False	
Motor A Phase U Cross Conduction Fault - Low-Side	False	

Motor A Phase U Over Current Fault - Low-Side	False	
Motor A Phase U Thermal Warning Fault - Low-Side	False	
Motor A Phase U Thermal Shutdown Fault - Low-Side	False	
Motor A Phase U SPI Error Fault - Low-Side	False	
Motor A Phase U Hardware Error Fault - Low-Side	True	
Motor A Phase V Short Fault - High-Side	False	
Motor A Phase V Cross Conduction Fault - High-Side	False	
Motor A Phase V Over Current Fault - High-Side	False	
Motor A Phase V Thermal Warning Fault - High-Side	False	
Motor A Phase V Thermal Shutdown Fault - High-Side	False	
Motor A Phase V Comm Error High Voltage Regulator Fault - High-Side	True	
Motor A Phase V Comm Error Low Voltage Regulator Fault - High-Side	True	
Motor A Phase V SPI Error Fault - High-Side	False	
Motor A Phase V Hardware Error Fault - High-Side	True	
Motor A Phase V Short Fault - Low-Side	False	
Motor A Phase V Cross Conduction Fault - Low-Side	False	
Motor A Phase V Over Current Fault - Low-Side	False	
Motor A Phase V Thermal Warning Fault - Low-Side	False	
Motor A Phase V Thermal Shutdown Fault - Low-Side	False	
Motor A Phase V SPI Error Fault - Low-Side	False	
Motor A Phase V Hardware Error Fault - Low-Side	True	
Motor A Phase W Short Fault - High-Side	False	
Motor A Phase W Over Current Fault - High-Side	False	
Motor A Phase W Thermal Warning Fault - High-Side	False	
Motor A Phase W Thermal Shutdown Fault - High-Side	False	
Motor A Phase W Comm Error Low Voltage Regulator Fault - High-Side	True	
Motor A Phase W SPI Error Fault - High-Side	False	
Motor A Phase W Hardware Error Fault - High-Side	True	
Motor A Phase W Short Fault - Low-Side	False	
Motor A Phase W Cross Conduction Fault - Low-Side	False	
Motor A Phase W Over Current Fault - Low-Side	False	
Motor A Phase W Thermal Warning Fault - Low-Side	False	
Motor A Phase W Thermal Shutdown Fault - Low-Side	False	
Motor A Phase W Comm Error Low Voltage Regulator Fault - Low-Side	True	
Motor A Phase W SPI Error Fault - Low-Side	False	
Motor A Phase W Hardware Error Fault - Low-Side	True	
Motor A Resolver Supply Voltage Value	15.75	Volts
Battery Feed Voltage 2 Sense	12.600	Volts
Battery Feed Voltage 3 Sense	12.600	Volts
Internal EPS Voltage Sense A	0.000	Volts
Internal EPS Voltage Sense B	0.000	Volts
Hybrid System State	SNA	
PIM DC Link Voltage - A	3	Volts
PIM DC Link Voltage - B	2	Volts

Passive Pump Coolant Temp In Sensor	72	°F
Low Temp Active Pump Speed	0	rpm
High Temp Aux Pump - Actual Speed	0	rpm
Outside Air Temperature	71.6	°F
HV Contactor Status	Open	
Inverter B Status Feedback	Normal OFF	
Battery Feed Voltage 1 Sense	12.600	Volts
Actual Torque - Motor B	0.000	Ft-Lbs
Available Motor Torque - Motor B	232.301	Ft-Lbs
Available Regen Torque - Motor A	0.000	Ft-Lbs
Available Regen Torque - Motor B	-232.301	Ft-Lbs
Commanded Torque - Motor A	0.000	Ft-Lbs
Commanded Torque - Motor B	0.000	Ft-Lbs
Motor B - Inverter Current - phase A	0	AMP
Motor B - Inverter Current - phase B	-4	AMP
Motor B - Inverter Current - phase C	0	AMP
Motor B Resolver Angle	320	Degree
Motor B Temp Sensor	75	°F
HCP ePT Wake-Up Output	On	
CBC Wake-Up Input	Off	
EPT LOC Diag Enable	Enable LOC Diagnostic	
HV Battery Voltage from BPCM	180.00	Volts
Electric Motor B Speed	0.0	rpm
Inverter A IGBT Temperature for phase A	75	°F
Inverter A IGBT Temperature for phase B	75	°F
Inverter A IGBT Temperature for phase C	75	°F
Inverter B IGBT Temperature for phase A	75	°F
Inverter B IGBT Temperature for phase B	75	°F
Inverter B IGBT Temperature for phase C	75	°F
APM Status	Idle	
Impact Event	False	
HCP System Shutdown Command	Default	
Distance Travelled with Light ON	0	miles
Motor A Torque	0.000	Ft-Lbs
Motor B Torque	0.000	Ft-Lbs
OBCM Operating Mode	UTC	
J1772 Prox Detected State	Prox Out	
HV Battery Sleep Time	0	Days
Commanded Inverter A State	Inverter Disabled	
Inverter Status Feedback	Inverter Faulted	
Motor A Phase U Over Voltage Fault VH - High-Side	False	
Motor A Phase U Under Voltage Fault VH - High-Side	True	
Motor A Phase U Over Voltage Fault VL - High-Side	False	
Motor A Phase U Under Voltage Fault VL - High-Side	False	

Motor A Phase U Over Voltage Fault VDD - High-Side	False	
Motor A Phase U Under Voltage Fault VDD - High-Side	False	
Motor A Phase U Over Voltage Fault VH - Low-Side	False	
Motor A Phase U Under Voltage Fault VH - Low-Side	True	
Motor A Phase U Over Voltage Fault VL - Low-Side	False	
Motor A Phase U Under Voltage Fault VL - Low-Side	False	
Motor A Phase U Over Voltage Fault VDD - Low-Side	False	
Motor A Phase U Under Voltage Fault VDD - Low-Side	False	
Motor A Phase U Comm Error High Voltage Regulator Fault - Low-Side	True	
Motor A Phase U Comm Error Low Voltage Regulator Fault - Low-Side	True	
Motor A Phase V Over Voltage Fault VH - High-Side	False	
Motor A Phase V Under Voltage Fault VH - High-Side	True	
Motor A Phase V Over Voltage Fault VL - High-Side	False	
Motor A Phase V Under Voltage Fault VL - High-Side	False	
Motor A Phase V Over Voltage Fault VDD - High-SideSide	False	
Motor A Phase V Under Voltage Fault VDD - High-Side	False	
Motor A Phase V Over Voltage Fault VH - Low-Side	False	
Motor A Phase V Under Voltage Fault VH - Low-Side	True	
Motor A Phase V Over Voltage Fault VL - Low-Side	False	
Motor A Phase V Under Voltage Fault VL - Low-Side	False	
Motor A Phase V Over Voltage Fault VDD - Low-Side	False	
Motor A Phase V Under Voltage Fault VDD - Low-Side	False	
Motor A Phase V Comm Error High Voltage Regulator Fault - Low-Side	True	
Motor A Phase V Comm Error Low Voltage Regulator Fault - Low-Side	True	
Motor A Phase W Cross Conduction Fault - High-Side	False	
Motor A Phase W Over Voltage Fault VH - High-Side	False	
Motor A Phase W Under Voltage Fault VH - High-Side	True	
Motor A Phase W Over Voltage Fault VL - High-Side	False	
Motor A Phase W Under Voltage Fault VL - High-Side	False	
Motor A Phase W Over Voltage Fault VDD - High-Side	False	
Motor A Phase W Under Voltage Fault VDD - High-Side	False	
Motor A Phase W Comm Error High Voltage Regulator Fault - High-Side	True	
Motor A Phase W Over Voltage Fault VH - Low-Side	False	
Motor A Phase W Under Voltage Fault VH - Low-Side	True	
Motor A Phase W Over Voltage Fault VL - Low-Side	False	
Motor A Phase W Under Voltage Fault VL - Low-Side	False	
Motor A Phase W Over Voltage Fault VDD - Low-Side	False	
Motor A Phase W Under Voltage Fault VDD - Low-Side	False	
Motor A Phase W Comm Error High Voltage Regulator Fault - Low-Side	True	
Inverter A Status Feedback	Inverter Faulted	
GPS Date - Year	0	Year
GPS Date - Month	1	
GPS Date - Day	1	Days
UTC Time - Hours	0	Hours

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

HCP | POC0B-00 | Active | Drive Motor A Inverter Power Supply Circuit/Open-

NAME	VALUE	UNITS
DTC	0C 0B 00	
Test Failed	True	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	True	
Occurrence flag	Occurrence	
Original Odometer Value	21992.5	miles
Most Recent Odometer Value	21992.5	miles
Frequency Counter	1	
Ignition Cycle Counter	0	
Real time clock	103008784	sec
RAM stamps keyOn	30	sec
RAM Stamps	64	Min
Accelerator Pedal Position	0	%
Brake Switch Status	Not Applied	
PHEV Charging Status	No Charging	
Engine Speed	0	rpm
HV Battery SOC	79	%
Ignition State	Reserved	
PRND Position Display	P	
Propulsion System Active	False	
Vehicle Speed	0.0000	MPH
Barometric Pressure	14	PSI
Engine Coolant Temperature	72	°F
Actual Torque - Motor A	0.000	Ft-Lbs
Available Motor Torque - Motor A	4.794	Ft-Lbs
Inverter A Input DC Current	0.0	AMP
Electric Motor A Speed	0.0	rpm
Motor A - Inverter Current - phase A	0	AMP
Motor A - Inverter Current - phase B	0	AMP
Motor A - Inverter Current - phase C	0	AMP
Motor A Phase U Short Fault - High-Side	False	
Motor A Phase U Cross Conduction Fault - High-Side	False	
Motor A Phase U Over Current Fault - High-Side	False	

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

Motor A Resolver Supply Voltage Value	15.75	Volts
Battery Feed Voltage 2 Sense	12.600	Volts
Battery Feed Voltage 3 Sense	12.600	Volts
Internal EPS Voltage Sense A	0.000	Volts
Internal EPS Voltage Sense B	0.000	Volts
Hybrid System State	SNA	
PIM DC Link Voltage - A	3	Volts
PIM DC Link Voltage - B	2	Volts
Passive Pump Coolant Temp In Sensor	72	°F
Low Temp Active Pump Speed	0	rpm
High Temp Aux Pump - Actual Speed	0	rpm
Outside Air Temperature	71.6	°F
HV Contactor Status	Open	
Inverter B Status Feedback	Normal OFF	
Battery Feed Voltage 1 Sense	12.600	Volts
Actual Torque - Motor B	0.000	Ft-Lbs
Available Motor Torque - Motor B	232.301	Ft-Lbs
Available Regen Torque - Motor A	-4.794	Ft-Lbs
Available Regen Torque - Motor B	-232.301	Ft-Lbs
Commanded Torque - Motor A	0.000	Ft-Lbs
Commanded Torque - Motor B	0.000	Ft-Lbs
Motor B - Inverter Current - phase A	0	AMP
Motor B - Inverter Current - phase B	0	AMP
Motor B - Inverter Current - phase C	0	AMP
Motor B Resolver Angle	320	Degree
Motor B Temp Sensor	75	°F
HCP ePT Wake-Up Output	On	
CBC Wake-Up Input	Off	
EPT LOC Diag Enable	Enable LOC Diagnostic	
HV Battery Voltage from BPCM	180.00	Volts
Electric Motor B Speed	0.0	rpm
Inverter A IGBT Temperature for phase A	75	°F
Inverter A IGBT Temperature for phase B	75	°F
Inverter A IGBT Temperature for phase C	75	°F
Inverter B IGBT Temperature for phase A	75	°F
Inverter B IGBT Temperature for phase B	75	°F
Inverter B IGBT Temperature for phase C	75	°F
APM Status	Idle	
Impact Event	False	
HCP System Shutdown Command	Default	
Distance Travelled with Light ON	0	miles
Motor A Torque	0.000	Ft-Lbs
Motor B Torque	0.000	Ft-Lbs
OBCM Operating Mode	UTC	

J1772 Prox Detected State	Prox Out	
HV Battery Sleep Time	0	Days
Commanded Inverter A State	Inverter Disabled	
Inverter Status Feedback	Inverter Faulted	
Motor A Phase U Over Voltage Fault VH - High-Side	False	
Motor A Phase U Under Voltage Fault VH - High-Side	True	
Motor A Phase U Over Voltage Fault VL - High-Side	False	
Motor A Phase U Under Voltage Fault VL - High-Side	False	
Motor A Phase U Over Voltage Fault VDD - High-Side	False	
Motor A Phase U Under Voltage Fault VDD - High-Side	False	
Motor A Phase U Over Voltage Fault VH - Low-Side	False	
Motor A Phase U Under Voltage Fault VH - Low-Side	True	
Motor A Phase U Over Voltage Fault VL - Low-Side	False	
Motor A Phase U Under Voltage Fault VL - Low-Side	False	
Motor A Phase U Over Voltage Fault VDD - Low-Side	False	
Motor A Phase U Under Voltage Fault VDD - Low-Side	False	
Motor A Phase U Comm Error High Voltage Regulator Fault - Low-Side	True	
Motor A Phase U Comm Error Low Voltage Regulator Fault - Low-Side	True	
Motor A Phase V Over Voltage Fault VH - High-Side	False	
Motor A Phase V Under Voltage Fault VH - High-Side	True	
Motor A Phase V Over Voltage Fault VL - High-Side	False	
Motor A Phase V Under Voltage Fault VL - High-Side	False	
Motor A Phase V Over Voltage Fault VDD - High-SideSide	False	
Motor A Phase V Under Voltage Fault VDD - High-Side	False	
Motor A Phase V Over Voltage Fault VH - Low-Side	False	
Motor A Phase V Under Voltage Fault VH - Low-Side	True	
Motor A Phase V Over Voltage Fault VL - Low-Side	False	
Motor A Phase V Under Voltage Fault VL - Low-Side	False	
Motor A Phase V Over Voltage Fault VDD - Low-Side	False	
Motor A Phase V Under Voltage Fault VDD - Low-Side	False	
Motor A Phase V Comm Error High Voltage Regulator Fault - Low-Side	True	
Motor A Phase V Comm Error Low Voltage Regulator Fault - Low-Side	True	
Motor A Phase W Cross Conduction Fault - High-Side	False	
Motor A Phase W Over Voltage Fault VH - High-Side	False	
Motor A Phase W Under Voltage Fault VH - High-Side	True	
Motor A Phase W Over Voltage Fault VL - High-Side	False	
Motor A Phase W Under Voltage Fault VL - High-Side	False	
Motor A Phase W Over Voltage Fault VDD - High-Side	False	
Motor A Phase W Under Voltage Fault VDD - High-Side	False	
Motor A Phase W Comm Error High Voltage Regulator Fault - High-Side	True	
Motor A Phase W Over Voltage Fault VH - Low-Side	False	
Motor A Phase W Under Voltage Fault VH - Low-Side	True	
Motor A Phase W Over Voltage Fault VL - Low-Side	False	
Motor A Phase W Under Voltage Fault VL - Low-Side	False	

Motor A Phase W Over Voltage Fault VDD - Low-Side	False	
Motor A Phase W Under Voltage Fault VDD - Low-Side	False	
Motor A Phase W Comm Error High Voltage Regulator Fault - Low-Side	True	
Inverter A Status Feedback	Inverter Faulted	
GPS Date - Year	0	Year
GPS Date - Month	1	
GPS Date - Day	1	Days
UTC Time - Hours	0	Hours
UTC Time - Minutes	0	
UTC Time - Seconds	0	seconds
ECU Time - Milliseconds	0	ms

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

NAME	VALUE	UNITS
DTC	16 F9 00	
Test Failed	True	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	True	
DTC Extended Data Record Number	05	
Occurrence flag	Occurrence	
Original Odometer Value	21992.5	miles
Most Recent Odometer Value	21992.5	miles
Frequency Counter	1	
Ignition Cycle Counter	0	
Real time clock	103008776	sec
RAM stamps keyOn	30	sec
RAM Stamps	64	Min
Accelerator Pedal Position	0	%
Brake Switch Status	Not Applied	
PHEV Charging Status	No Charging	
Engine Speed	0	rpm
HV Battery SOC	79	%
Ignition State	Reserved	
PRND Position Display	P	
Propulsion System Active	False	
Vehicle Speed	0.0000	MPH
Barometric Pressure	14	PSI
Engine Coolant Temperature	72	°F
Main Processor Reset Source - Core 0	Power Up	

Main Processor Reset Source - Core 1	Power Up	
Static NVM CRC Status	Passed	
Cumulative NVM CRC Status	Passed	
Adaptable NVM CRC Status	Passed	
Preserved NVM CRC Status	Passed	
Expendable NVM CRC Status	Passed	
MCPUninit EEPROM CRC Status	Passed	
MCPInit EEPROM CRC Status	Passed	
Non Volatile RAM CRC Status	Passed	
BSW EEPROM CRC Status	Passed	
HCP - MCPA SPI CRC Error Count	00	
HCP - MCPA SPI ARC Error Count	00	
MCPB - MCPA SPI CRC Error Count	00	
MCPB - MCPA SPI ARC Error Count	00	
MemShare CRC Error Count- Core 0	FF	
MemShare ARC Error Count- Core 0	00	
MemShare CRC Error Count- Core 1	FF	
MemShare ARC Error Count- Core 1	04	
Main Stack Fault	False	
Main Analog-to-Digital Converter Fault	False	
External Watchdog Fault	False	
MainTPU_Flt	False	
Main Clock Fault	False	
MAIN ALU Fault	False	
MAIN Detected SPI Fault	False	
Main Detected Seed Received In Wrong Order	False	
Battery Feed Voltage 2 Sense	12.600	Volts
Internal EPS Voltage Sense A	0.000	Volts
Internal EPS Voltage Sense B	0.000	Volts
Battery Feed Voltage 1 Sense	12.600	Volts
Battery Feed Voltage 3 Sense	12.600	Volts
Hybrid System State	SNA	
Actual Torque - Motor A	0.000	Ft-Lbs
Actual Torque - Motor B	0.000	Ft-Lbs
Available Motor Torque - Motor A	0.000	Ft-Lbs
Available Motor Torque - Motor B	232.301	Ft-Lbs
Available Regen Torque - Motor A	0.000	Ft-Lbs
Available Regen Torque - Motor B	-232.301	Ft-Lbs
Commanded Torque - Motor A	0.000	Ft-Lbs
Commanded Torque - Motor B	0.000	Ft-Lbs
Motor A - Inverter Current - phase A	0	AMP
Motor A - Inverter Current - phase B	-4	AMP
Motor A - Inverter Current - phase C	-4	AMP
Motor B - Inverter Current - phase A	0	AMP

Motor B - Inverter Current - phase B	0	AMP
Motor B - Inverter Current - phase C	0	AMP
Motor A Resolver Angle	102	Degree
Motor B Resolver Angle	320	Degree
Motor A Temp Sensor	75	°F
Motor B Temp Sensor	75	°F
Outside Air Temperature	71.6	°F
HCP ePT Wake-Up Output	On	
CBC Wake-Up Input	Off	
EPT LOC Diag Enable	Enable LOC Diagnostic	
HV Contactor Status	Open	
HV Battery Voltage from BPCM	180.00	Volts
Electric Motor A Speed	0.0	rpm
Electric Motor B Speed	0.0	rpm
PIM DC Link Voltage - A	3	Volts
PIM DC Link Voltage - B	2	Volts
Inverter A IGBT Temperature for phase A	32	°F
Inverter A IGBT Temperature for phase B	32	°F
Inverter A IGBT Temperature for phase C	32	°F
Inverter B IGBT Temperature for phase A	32	°F
Inverter B IGBT Temperature for phase B	32	°F
Inverter B IGBT Temperature for phase C	32	°F
APM Status	Idle	
Impact Event	False	
HCP System Shutdown Command	Default	
Distance Travelled with Light ON	0	miles
Motor A Torque	0.000	Ft-Lbs
Motor B Torque	0.000	Ft-Lbs
OBCM Operating Mode	UTC	
J1772 Prox Detected State	Prox Out	
HV Battery Sleep Time	0	Days
GPS Date - Year	0	Year
GPS Date - Month	1	
GPS Date - Day	1	Days
UTC Time - Hours	0	Hours
UTC Time - Minutes	0	
UTC Time - Seconds	0	seconds
ECU Time - Milliseconds	0	ms

HCP | U0623-00 | Active | Lost Communication with Coolant Pump "A"-

NAME	VALUE	UNITS
DTC	C6 23 00	
Test Failed	True	
Test Failed This Operation Cycle	True	

Pending DTC	True	
Confirmed DTC	False	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
Occurrence flag		
Original Odometer Value		miles
Most Recent Odometer Value		miles
Frequency Counter		
Ignition Cycle Counter		
Real time clock		sec
RAM stamps keyOn		sec
RAM Stamps		Min
Accelerator Pedal Position		%
Brake Switch Status		
PHEV Charging Status		
Engine Speed		rpm
HV Battery SOC		%
Ignition State		
PRND Position Display		
Propulsion System Active		
Vehicle Speed		MPH
Barometric Pressure		PSI
Engine Coolant Temperature		°F
A/C Refrigerant Pressure		PSI
Passive Pump Coolant Temp In Sensor		°F
Electric Coolant Heater Temp Sensor		°F
Heater Core Coolant Temp Sensor		°F
Motor A Temp Sensor		°F
Motor B Temp Sensor		°F
Outside Air Temperature		°F
Thermal System Enable State		
EAC Compressor Speed		rpm
High Temperature Shut-Off Valve Status		
Front Refrigerant Shut-Off Valve Status		
High Temp Cabin Valve Feedback		degrees
Chiller Shut-Off Valve Status		
Radiator Fan Duty Cycle		%
HV Coolant Heater - Measured Coolant Inlet Temp		°F
HV Coolant Heater - Measured Coolant Outlet Temp		°F
Low Temp Passive Pump - Temperature		°F
Low Temp Active Pump - Temperature		°F
Battery Feed Voltage 2 Sense		Volts

Battery Feed Voltage 3 Sense		Volts
Internal EPS Voltage Sense A		Volts
Internal EPS Voltage Sense B		Volts
Hybrid System State		
Battery Feed Voltage 1 Sense		Volts
Actual Torque - Motor B		Ft-Lbs
Available Motor Torque - Motor A		Ft-Lbs
Available Motor Torque - Motor B		Ft-Lbs
Available Regen Torque - Motor A		Ft-Lbs
Available Regen Torque - Motor B		Ft-Lbs
Commanded Torque - Motor A		Ft-Lbs
Commanded Torque - Motor B		Ft-Lbs
Motor A - Inverter Current - phase A		AMP
Motor A - Inverter Current - phase B		AMP
Motor A - Inverter Current - phase C		AMP
Motor B - Inverter Current - phase A		AMP
Motor B - Inverter Current - phase B		AMP
Motor B - Inverter Current - phase C		AMP
Motor A Resolver Angle		Degree
Motor B Resolver Angle		Degree
CBC Wake-Up Input		
EPT LOC Diag Enable		
HV Contactor Status		
HV Battery Voltage from BPCM		Volts
Electric Motor A Speed		rpm
Electric Motor B Speed		rpm
PIM DC Link Voltage - A		Volts
PIM DC Link Voltage - B		Volts
Inverter A IGBT Temperature for phase A		°F
Inverter A IGBT Temperature for phase B		°F
Inverter A IGBT Temperature for phase C		°F
Inverter B IGBT Temperature for phase A		°F
Inverter B IGBT Temperature for phase B		°F
Inverter B IGBT Temperature for phase C		°F
APM Status		
Impact Event		
HCP System Shutdown Command		
Distance Travelled with Light ON		miles
Motor A Torque		Ft-Lbs
Motor B Torque		Ft-Lbs
OBCM Operating Mode		
J1772 Prox Detected State		
HV Battery Sleep Time		Days
GPS Date - Year		Year

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

ABSO | C2222-00 | Active | Improper Powerdown-

NAME	VALUE	UNITS
DTC	62 22 00	
Test Failed	True	
Test Failed This Operation Cycle	False	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	False	
Test Not Completed This Operation Cycle	True	
Warning Indicator Requested	True	
Occurrence flag	ERROR	
Controller Event	No	
Mirror Memory	No	
Undervoltage Suspected	No	
Original Odometer Value	0	miles
Most Recent Odometer Value	0	miles
Frequency Counter	1	
Ignition Cycle Counter	0	
Fault Time	0.00	S
Current System Mode	CAN active	
Previous System Mode	CAN active	
System Condition	OK	
Supply Voltage Valves	12.8	V
Brake Pedal Status	Released	
Supply voltage Pump	10.0	V
Brake Pedal Travel Sensor Position	0	%
Ignition Unfiltered	0.0	V
Wheel Speed Left Front	0.000	MPH
Rotation Direction Left Front	Forward	
Wheel Speed Right Front	0.000	MPH
Rotation Direction Right Front	Forward	
Wheel Speed Left Rear	0.000	MPH
Rotation Direction Left Rear	Forward	
Wheel Speed Right Rear	0.000	MPH
Rotation Direction Right Rear	Forward	
Steering Wheel Angle	0.00	°

Longitudinal Acceleration	0.00	m/s^2
Lateral Acceleration	0.00	m/s^2
Yaw Rate	0.000	°/s
Primary Circuit Pressure	0.00	PSI
Engine Speed	0.0	rpm
Accelerator Pedal Position	0.0	%
ABS control	Not active	
ASR control	Not active	
MSR control	Not active	
EBV control	Not active	
ESP Control	Not active	
HSA control	Not active	
HBA control	Not active	
Hold	No	
Braking assistance system	No Assistance System Is Braking	
Plant Mode	No	
EPB Mode Status	Limp Home	
BLS High	No	
BLS Low	Yes	
Park Brake	Not Activated	
ESP-OFF mode	No	
Clutch	Not Activated	
Stop Coordinator Active	No	
Actual Gear	N	
Transmission selector lever setting	P	
Status Parking Brake Left	Brake is in an Unknown State	
Status Parking Brake Right	Brake is in an Unknown State	
EPB Switch Status	Idle	
Supplier Internal Code	140	

SNAPSHOT DATA SUMMARY

No Snapshot Data available for P0A95-00

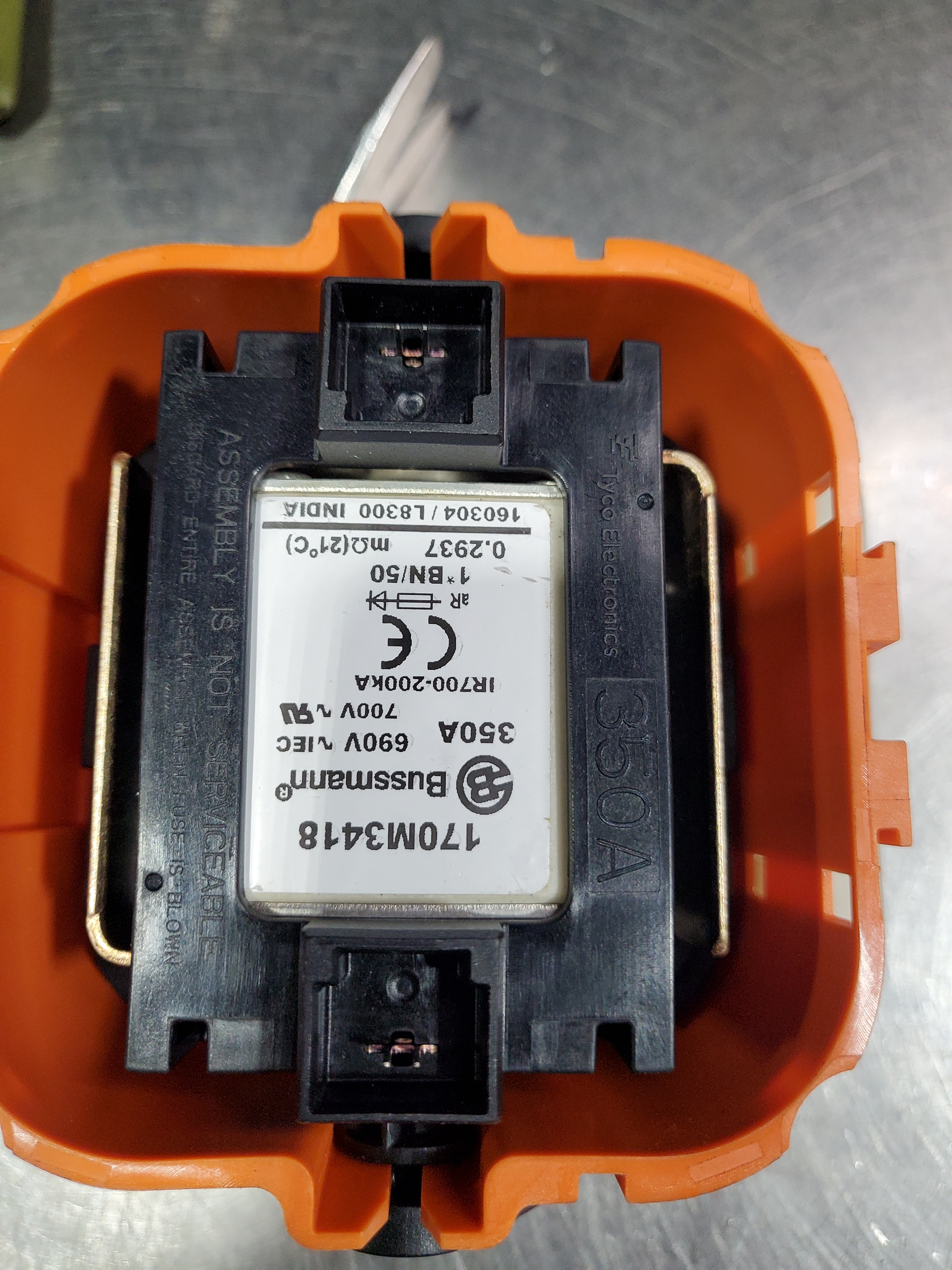
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No Snapshot Data available for P0C0B-00

No Snapshot Data available for P16F9-00

No Snapshot Data available for U0623-00

No Snapshot Data available for C2222-00



160304 / L8300 INDIA

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IR700-200KA

700V ~

350A 690V ~IEC

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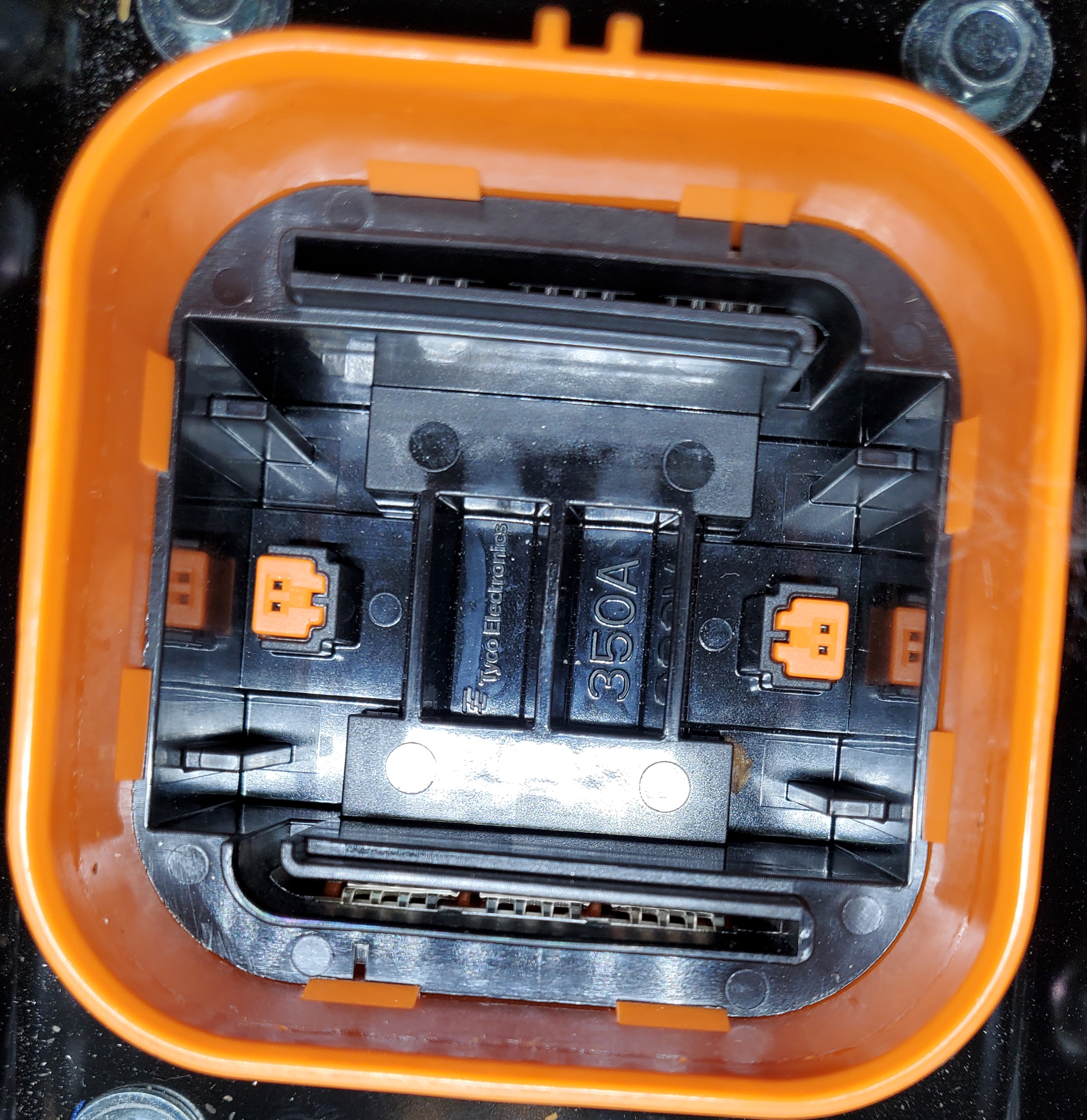
170M3418

lyco Electronics

350A

ASSEMBLY IS NOT SERVICEABLE

IF THE ENTIRE ASSEMBLY IS BLOWN



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SHOCK HAZARD.
Appropriate PPE and
Tools Required while
working on this
energized equipment.