

This file represents a consolidation of multiple files sent by the manufacturer. Please use the bookmarks to navigate to each file. (Each bookmark label is the name of the original file.)



6L

7QT

6QT

5L

5QT

4L

4QT

3L

3QT

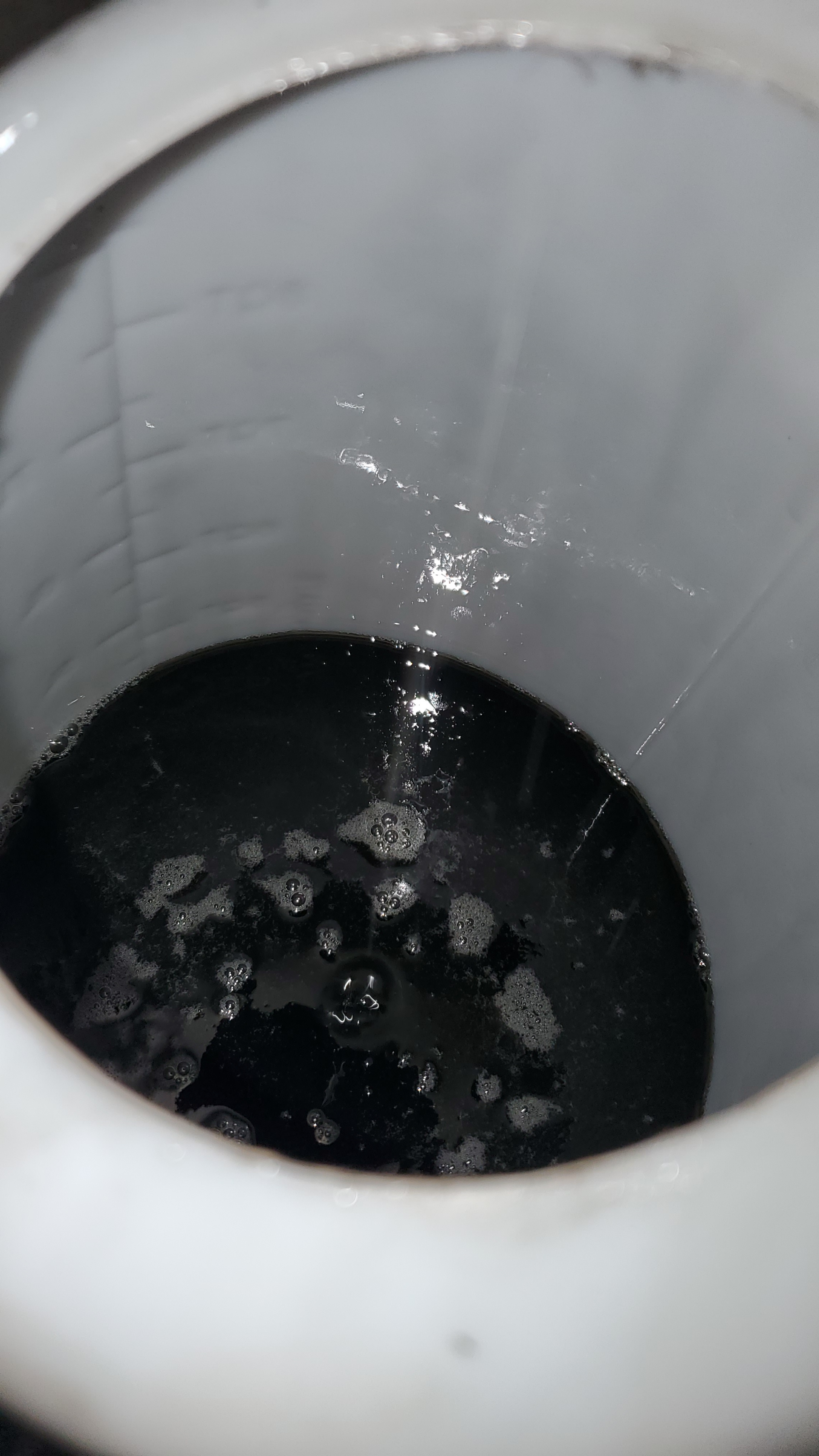
2L

2QT

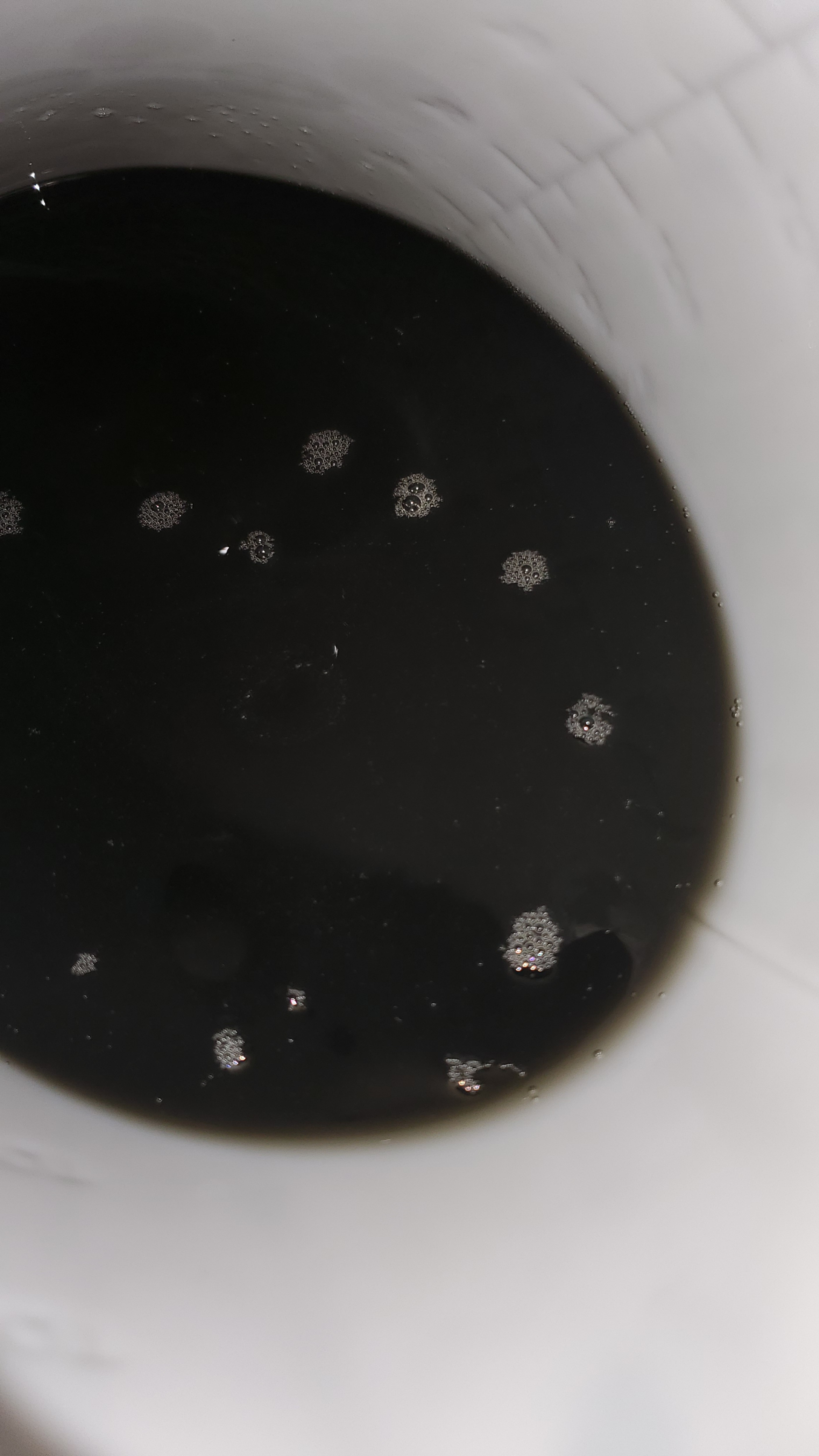
1L

1QT

MARKINGS ARE APPROXIMATE











CONFIGURATION REPORT

Vehicle 2019 CHRYSLER PACIFICA 3.6L V6 HYBRID ENGINE
VIN 2C4RC1L78 [REDACTED]

Odometer 6189.7 miles
Publication Date Dec 24, 2019, 2:33:14 PM

ECU SUMMARY INFO

ECU	NAME	BUS TYPE	FLASH PART #	CURRENT	[REDACTED]	ORIGINAL	[REDACTED]	PART #
PCM	Powertrain Control Module	CAN-C	68416681AD	2C4RC1	[REDACTED]	2C4RC1L7	[REDACTED]	68416681AD
ICS	Integrated Center Stack	CAN-I	6EV301X8AB	2C4RC1	[REDACTED]	2C4RC1L7	[REDACTED]	6EV301X8AB
RFH	Radio Frequency Hub	CAN-C	68383680AB	2C4RC1	[REDACTED]	2C4RC1L7	[REDACTED]	68383680AB
ESM	Electronic Shifter	CAN-C	68240089AL	2C4RC1	[REDACTED]	2C4RC1L7	[REDACTED]	68240089AL
ORC	Occupant Restraint	CAN-C	68405567AB	2C4RC1	[REDACTED]	2C4RC1L7	[REDACTED]	68405567AB
EPS	Electric Power Steering	CAN-C	68416741AA	2C4RC1	[REDACTED]	2C4RC1L7	[REDACTED]	68416741AA
HVAC	Heat, Ventilation and A/C	CAN-I	68406613AA	2C4RC1	[REDACTED]	2C4RC1L7	[REDACTED]	68406613AA
DDM	Driver Door Module	CAN-I	68316561AD	2C4RC1	[REDACTED]	2C4RC1L7	[REDACTED]	68316561AD
PDM	Passenger Door Module	CAN-I	68316560AD	2C4RC1	[REDACTED]	2C4RC1L7	[REDACTED]	68316560AD
DMRL	Door Module Rear Left	CAN-I	68225096AG	2C4RC1	[REDACTED]	2C4RC1L7	[REDACTED]	68225096AG
DMRR	Door Module Rear Right	CAN-I	68225096AG	2C4RC1	[REDACTED]	2C4RC1L7	[REDACTED]	68225096AG
PSDML	Power Sliding Doors (Left)	CAN-I	68369596AB	2C4RC1	[REDACTED]	2C4RC1L7	[REDACTED]	68369596AB
PSDMR	Power Sliding Doors (Right)	CAN-I	68369596AB	2C4RC1	[REDACTED]	2C4RC1L7	[REDACTED]	68369596AB
PLGM	Power Liftgate	CAN-I	68316094AF	2C4RC1	[REDACTED]	2C4RC1L7	[REDACTED]	68316094AF
AMP	Amplifier	CAN-I	68338770AC	2C4RC1	[REDACTED]	2C4RC1L7	[REDACTED]	68338770AC
IPC	Instrument Panel Cluster	CAN-C	68405292AC	2C4RC1	[REDACTED]	2C4RC1L7	[REDACTED]	68405292AC
PTS	Parktronics	CAN-C	68193772AJ	2C4RC1	[REDACTED]	2C4RC1L7	[REDACTED]	68193772AJ
SCCM	Steering Column Control Module	CAN-C	68360889AC	2C4RC1	[REDACTED]	2C4RC1L7	[REDACTED]	68360889AC
BCM	Body Controller	CAN-C	68402177AB	2C4RC1	[REDACTED]	2C4RC1L7	[REDACTED]	68402177AB
HSM	Heated Seat Module	CAN-I	68414665AA	2C4RC1	[REDACTED]	2C4RC1L7	[REDACTED]	68414665AA
RADIO	Radio	CAN-I	68401442AB	2C4RC1	[REDACTED]	2C4RC1L7	[REDACTED]	68401442AB
OCM	Occupant Classification	CAN-C	68403127AA	2C4RC1	[REDACTED]	2C4RC1L7	[REDACTED]	68403127AA
HVACR	Heat, Ventilation and	CAN-I	68373079AB	2C4RC1	[REDACTED]	2C4RC1L7	[REDACTED]	68373079AB

A/C Rear							
LBSS	Left Blind Spot Sensor	CAN-I	04672786AB	2C4RC1L7		2C4RC1L78	04672786AB
RBSS	Right Blind Spot Sensor	CAN-I	04672786AB	2C4RC1L7		2C4RC1L78	04672786AB
APM	Accessory Power Module	CAN-C	05185046AB	2C4RC1L7		2C4RC1L78	05185046AB
BPCM	Battery Pack Control Module	CAN-C	68429967AD	2C4RC1L7		2C4RC1L78	68429967AD
HCP	Hybrid Control Processor	CAN-C	05190240AM	2C4RC1L7		2C4RC1L78	05190240AM
OBCM	On Board Charging Module	CAN-C	05185047AD	2C4RC1L7		2C4RC1L78	05185047AD
DSM	Display Screen Module	CAN-I	68316175AB	2C4RC1L7		2C4RC1L78	68316175AB
RCCC	Rear Cabin Comfort Controls	CAN-I	68395990AA	2C4RC1L7		2C4RC1L78	68395990AA
EAC	Electric A/C Compressor	CAN-C	68237995AG	2C4RC1L7		2C4RC1L78	68237995AG
AHCP	Auxiliary Hybrid Control Processor	CAN-C	05190241AM	2C4RC1L7		2C4RC1L78	05190241AM
EBBM	Electronic Brake Booster Module	CAN-C	68240033AJ	2C4RC1L7		2C4RC1L78	68240033AJ
ABSO	Anti Lock Brakes OBD	CAN-C	68352786AA	2C4RC1L7		2C4RC1L78	68352786AA
SGW	Security Gateway Module	CAN-C	68420261AA			2C4RC1L78	68420261AA

ECU SUMMARY INFO (CONT...)

ECU	COUNTRY CODE	HARDWARE VERSION	SOFTWARE VERSION	VARIANT	VERSION	ISO CODE	CVNS
PCM	USA	1B 47	91 04 01	44	59		C461C211
ICS	USA	0F 0C 00	11 16 00	44	00		
RFH	USA / USA	10 17 00	12 08 00	4A	00		
ESM	USA / USA	0F 24 00	12 02 FF	44	02		
ORC	USA / USA	11 1F 00	11 27 00	43	01		
EPS	USA / USA	12 02 03	11 15 01	45	02		
HVAC	USA	0E 09 00	11 29 01	44	01		
DDM	USA / USA	11 30 00	17 42 00	41	02		
PDM	USA	11 30 00	17 42 00	41	02		
DMRL	USA / USA	10 0B 00	12 0C 00	42	01		
DMRR	USA / USA	10 0B 00	12 0C 00	42	01		
PSDML	USA / USA	10 17 00	11 2D 10	40	01		
PSDMR	USA / USA	10 17 00	11 2D 10	40	01		
PLGM	USA	17 19 00	18 22 00	42	02		
AMP	USA	17 2A 01	12 0F 00	40	30		
IPC	USA / USA	12 0A 00	12 10 00	47	04		
PTS	USA	0E 32 00	12 1F 00	43	11		
SCCM	USA	0E 30 00	10 2B 00	43	01		
BCM	USA	0D 11 00	12 0B 90	44	15		

HSM	USA / USA	15 12 00	12 05 01	40	03		
RADIO	USA	12 21 24	12 21 24	82	05		
OCM	USA / USA	11 1F 01	0E 2F 02	40	30		
HVACR	USA	0E 09 00	10 03 02	43	01		
LBSS	USA / USA	11 30 02	12 0D 00	42	02		
RBSS	USA / USA	11 30 02	12 0D 00	42	02		
APM	USA / USA	11 32 00	11 32 00	40	01		
BPCM		0E 03 00	12 07 04	40	05		FEDBFE12
HCP	USA	11 1F 04	12 20 01	40	04		6C36848E 5412B2DD 31B4913E
OBCM	USA	0F 0D 00	11 2B 00	40	02		
DSM	USA / USA	11 16 00	11 15 00	40	00		
RCCC	USA	0F 1D 00	11 16 00	40	00		
EAC	USA	0E 34 00	12 0F 00	41	02		
AHCP	USA	11 1F 04	12 20 01	40	00		
EBBM	USA	0E 19 02	11 18 14	40	00		BBFD096B
ABSO	USA	0E 15 02	11 0B 16	42	01		A1B31723
SGW		5	564	41	02		

PCM CONFIGURATION

NAME	VALUE	UNITS
Secondary Mass Airflow Sensor Equipped	False	
Active Exhaust Pressure Sensor Equipped	False	
Electronic Parking Brake Equipped	True	
Active Exhaust Valve(s) Equipped	False	
Mechanical Coolant Pump Equipped	False	
Heater Temp Control Valve Equipped	False	
High Side Port Tumble Valve Equipped	False	
Wastegate HBridge Equipped	False	
Aux Coolant Pump Heater Equipped	False	
Operator Idle Speed Request Equipped	False	
Dual Fuel Pressure Sensor Equipped	False	
SWAP HARDWIRED BRAKE SWITCH INPUTS	False	
Mass Airflow System Equipped	False	
Cylinder Pressure Sensor Equipped	False	
Power Steering Angle Sensor Mandatory	False	
LIN Humidity, Temp, and Pressure Sensor Equipped	False	
Brake Pedal Sensor Equipped	False	
CUSW 4-Button Cruise Equipped	False	
Bi-Directional Crank Sensor Equipped	True	
Make Up Air Sensor Equipped	False	
Throttle Inlet Temp Sensor Equipped	False	
INTAKE O2 SENSOR EQUIPPED	False	
5 Button Cruise (LIN) Equipped	True	

Clutch Sensor Equipped	False	
Primary Lin Alternator Equipped	Not Equipped	
1.0 Liter I3 Engine	False	
Coolant On-Off Pump Equipped	Not Equipped	
2.0 Liter I4 Direct Injection Engine	False	
Variable Valve Lift Equipped	Not Equipped	
VLP Is Learnable Indicator	False	
High Side Port Tumble Valve Equipped	False	
Turbocharger Equipped	False	
Supercharger Equipped	False	
Active Engine Mount Equipped	False	
O2 Sensor Bank 1 Sensor 2 Equipped	True	
Exhaust Cam 1 Equipped	True	
TOOLCONFIG_OIL_PRESS_ABS_EQUIPPED	True	
2 Speed Fan 3 Driver 3 Relay System Equipped	False	
Direct Injection Equipped	False	
ESIM Equipped	False	
Fiat VIN Learning Strategy Equipped	False	
Powernet Equipped	True	
Knock Sensor 2 Equipped	True	
Duty Cycle Purge Valve Equipped	True	
HPT 6-Speed Transmission Equipped	False	
2.0 Liter W14 engine	False	
Tumble Generator Valve Equipped	False	
PWM Fan Motor System Equipped	True	
Brushless PWM Fan Equipped	NOT_FAN_PWM_BOSCH_BRUSHLESS_CNFG	
1.8 Liter W14 engine	False	
ZF 9-Speed Transmission Equipped	False	
Compressed Natural Gas Equipped	False	
Humidity, Temperature and Pressure Sensor (LIN) Equipped	False	
Shift Indicator Lamp Equipped	False	
Variable Displacement AC Equipped	False	
DUAL_ALTERNATOR_GEN1_LEARNEDCOPY	False	
VFS Actuators Available Indicator	False	
Trans Reverse Lockout Equipped	False	
4 Button Integrated Cruise Control	False	
Yaw Rate Sensor ESC Equipped	False	
MTV Solenoid Equipped	False	
O2 Sensor Bank 1 Sensor 3 Equipped	False	
Starter Relay 2 Equipped	False	
Inrush Current Reduction Relay Equipped	False	
Operator Idle Speed Request Equipped	False	
Transmission Software Included	False	
Auxiliary Coolant Pump Equipped	False	

Fan Wake Up Relay System Equipped	False	
Adaptive Cruise Control Hardware Equipped	False	
GPEC3 Equipped	False	
Aisin 6-Speed RWD Transmission Equipped	False	
Engine Idle Shutoff Equipped	False	
VLP Equipped Indicator	False	
Electric Coolant Valve Equipped	False	
Port Flap Valve Equipped	False	
Throttle Inlet Temp Sensor Equipped	False	
Brake Pedal Sensor Equipped	False	
40TE / 41TE / 41TEA	False	
Auxiliary Coolant Pump Heater Equipped	False	
Clutch Interlock Switch Equipped	False	
O2 Sensor Bank 2 Sensor 2 Equipped	True	
Knock Sensor 1 Equipped	True	
Electric Thermostat Heater Equipped	False	
1 Speed Fan Mechanical Relay System Equipped	False	
MultiAir Equipped	False	
Trans Skip Shift Equipped	False	
Constant Heater Temperature Control Valve Equipped	False	
CUSW (29-Bit) Equipped	False	
2.7 Liter V6 Engine	False	
Wide Range O2 Sensor 2/1 Equipped	False	
Battery Temp Sensor Equipped	False	
Unleaded Gasoline Fuel	True	
Barometric Sensor Equipped	False	
4.0 Liter V6 Engine	False	
Coolant On-Off Valve Equipped	False	
Rear Heater Equipped	False	
Cooled EGR Equipped	False	
SRV Equipped	False	
Mechanical Coolant Pump Heater Equipped	False	
3.6 Liter V6 Engine	True	
Linear Purge Equipped	False	
Dual Speed Fuel Pump Equipped	False	
Cummins Equipped	False	
2 Liter Continuous Variable Transmission Equipped	False	
A580 Transmission Equipped	False	
AC Equipped Over Bus	False	
MDS Equipped	False	
Engine Stop Start Equipped	False	
A/C Equipped	True	
45RFE / 545RFE / 65RFE	False	
3 Speed Fan Mechanical Relay System Equipped	False	

Fixed displacement AC Equipped	True	
4.0 Liter I6 Engine	False	
Unleaded diesel fuel	False	
Primary Lin Alternator Equipped	False	
Dual Fuel Pressure Sensor Equipped	False	
1.0 Liter I3 Engine	False	
Dual Stage Oil Pump Equipped	True	
3.7 Liter V6 Engine	False	
VMM Equipped	False	
Police Package Equipped	False	
Electronic Vacuum Pump Equipped	False	
Linear PWM Fan Relay System Equipped	False	
Low Temperature Radiator Coolant Pump Equipped	False	
Secondary Fuel Pump Equipped	False	
CUSW PROXI Write Programming Support Enabled	False	
3.2 Liter V6 Engine	False	
4 Speed Automatic Transmission Equipped	False	
Secondary Air Equipped	False	
WI4 Variable Valve Timing Equipped	True	
Auxiliary Heater Electric Water Pump Equipped	False	
Electronic Throttle Control Equipped	True	
Air Shutoff Valve Bank 1 Control Solenoid 1 Equipped	False	
Power Steering Switch Equipped	False	
AC Equipped	False	
2.4 Liter WI4 engine	False	
Exhaust Cam 2 Equipped	True	
Coolant On-Off Pump Equipped	False	
Air Shutoff Valve Bank 2 Control Solenoid 2 Equipped	False	
Intake Cam 1 Equipped	True	
O2 Sensor Bank 1 Sensor 1 Equipped	True	
CUSW (11-Bit) Equipped	False	
Active Exhaust Valve Equipped	False	
GPEC2A Equipped	True	
Sensorless FFV Enabled	False	
ETC Cruise equipped	True	
ERS Equipped Indicator	False	
O2 Sensor Bank 2 Sensor 1 Equipped	True	
CMCV H-Bridge Equipped	False	
66RFE / 68RFE	False	
Oil Pressure Sensor Enabled	True	
Buffered Crank Output for PHEV Engine Pulse Calculation Equipped	True	
Turbine Volute Valve Actuator Equipped	False	
Continuous Variable Transmission Equipped	False	
Intake Cam 2 Equipped	True	

3.8 Liter V6 Engine	False	
3.0 Liter V6 Engine	False	
Viscosity Sensor Equipped	False	
Electric Water Pump Equipped	False	
Electronic Coolant Pump Equipped	False	
3.5 Liter V6 Engine	False	
Wide Range O2 Sensor 1/1 Equipped	False	
EMAT (Getrag DCT transmission) Equipped	False	
Linear EGR Equipped	False	
WI4 Intake Flow Control Valve Equipped	False	
Next Gen Bus Equipped	False	
Active Grille Shutter Equipped	True	
Vehicle Speed Sensor #1 Calculated by ECU	False	
Vehicle Speed Sensor #1 Calculated from CAN	False	
GPEC4 Equipped	False	
Manual Transmission Equipped	False	
2 Speed Fan Mechanical Relay System Equipped	False	
42RLE	False	
ICC Cruise Equipped	False	
Hybrid Electric Vehicle Equipped	True	
5.7 Liter V8 Engine	False	
Adaptive Cruise Control Equipped	False	
6.4 Liter V8 Engine	False	
Wastegate H-Bridge Equipped	False	
Fiat 940 Compact Equipped	False	
62TE	False	
4.7 Liter V8 Engine	False	
Dual Fuel Tank Equipped	False	
Engine Software In Package	True	
2 Speed Fan PWM Relay System Equipped	False	
6.2 Liter V8 Engine	False	
Transmission Oil Heater Equipped	False	
GPEC2 Equipped	False	
Variable Speed Fuel Pump Equipped	True	
6.1 Liter V8 Engine	False	
Electronic Automatic Transmission (EATX) Equipped	False	
Engine Oil Heater Cooler Equipped	False	
Active Exhaust Pressure Sensor Equipped	False	
TIP Equipped	False	
Buffered Crank Output for ANC (Active Noise Cancellation) Equipped	True	
PTO System Equipped	False	
Air Shutoff Valve Bank 1 Control Solenoid 2 Equipped	False	
3.3 Liter V6 Engine	False	
Remote Start Present	Present	

Supercharger Equipped	False	
Engine Idle Shutoff Equipped	False	
ZF 9-Speed Trans Equipped	False	
Cooled EGR Equipped	False	
Dual Fuel Tank Equipped	False	
HPT 6-Speed Trans Equipped	False	
Hybrid MEC Shifter Equipped	False	
A/C Relay Powered from Engine Switched Battery	False	
PTO System Equipped	False	
Low Temp Radiator Coolant Pump Equipped	False	
Dual Alternator Gen1 Capable	False	
Auxillary Coolant Pump Equipped	False	
CNG Large Gas Tank Equipped	False	
Engine Oil Pressure Sensor Type	255	None

ICS CONFIGURATION

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

RFH CONFIGURATION

NAME	VALUE	UNITS
Hardware Configuration: Trunk Door Handle H/W	Simple Switch AP	
Hardware Configuration: Remote Start Antenna	Present	
Hardware Configuration: Front Right Door Handle H/W	Serial AP	
Hardware Configuration: Front Left Door Handle H/W	Serial AP	
Hardware Configuration: Rear Right Door Handle H/W	No AP	
Hardware Configuration: Rear Left Door Handle H/W	No AP	
Valid Key In Ignition	Yes	
Fob Location #3 Successfully Programmed	No	
Fob Location #5 Key sense status	Fob is NOT Key Sense	
Secret Key Sent to Body Controller - Original attempt	Yes	
Fob Location #7 Key sense status	Fob is NOT Key Sense	
Fob Location #3 Key sense status	Fob is NOT Key Sense	
Fob Location #7 Successfully Programmed	No	
Fob Location #6 Successfully Programmed	No	
Fob Location #5 Successfully Programmed	No	
Fob Location #8 Key sense status	Fob is NOT Key Sense	
PIN Successfully Programmed	Yes	
RFHub Locked	RFHUB Locked after IAC write	
Fob Location #1 Key sense status	Fob is NOT Key Sense	
Fob Location #4 Key sense status	Fob is NOT Key Sense	
Fob Location #6 Key sense status	Fob is NOT Key Sense	

Fob Location #1 Successfully Programmed	Yes	
Secret Key Sent to Body Controller - Most recent attempt	Yes	
Fob Location #2 Successfully Programmed	Yes	
Fob Location #4 Successfully Programmed	No	
Fob Location #2 Key sense status	Fob is NOT Key Sense	
VIN Successfully Programmed	Yes	
Fob Location #8 Successfully Programmed	No	
Base TPM	False	
Auto Park Present	True	
e-shifter present	True	
Secret Codes Programmed	True	
KeySense Configuration	False	
Ignition system type connected	KIN system	
RKE	True	
Remote Start Present	True	
\$0214 Programmed by	Programmed by Supplier EOL	
TPM Auto-Locate Enabled	True	
Keyless Go	True	
Passive Entry	True	
Hybrid Type	PHEV	
Module Configuration Status	True	
Premium TPM	True	
Back Up ECU Configuration 16	True	
Back Up ECU Configuration 14	True	
Back Up ECU Configuration 7	True	
Back Up Vehicle Config 1	True	
Back Up ECU Configuration 10	True	
Back Up ECU Configuration 11	True	
Back Up Vehicle Config 4	True	
Back Up Vehicle Config 3	True	
Back Up Customer Settings Menu 1 (CSM1)	True	
Back Up ECU Configuration 2	True	
Back Up ECU Configuration 1	True	
Back Up ECU Configuration 9	True	
Back Up Programmed ECUs: Cabin Network	True	
Back Up Vehicle Config 5	True	
Back Up ECU Configuration 3	True	
Back Up Customer Settings Menu 2 (CSM2)	True	
Back Up Vehicle Config 6	True	
Back Up ECU Configuration 12	True	
Back Up Programmed ECUs: P/T Chassis Network	True	
Back Up ECU Configuration 4	True	
Back Up ECU Configuration 17	True	
Back Up ECU Configuration 8	True	

Back Up ECU Configuration 13	True	
Back Up Vehicle Config 7	True	
Back Up ECU Configuration 5	True	
Back Up Vehicle Config 2	True	
Back Up ECU Configuration 15	True	
Back Up ECU Configuration 6	True	

ORC CONFIGURATION

NAME	VALUE	UNITS
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 EQ Checksum	7E 7D B6 85	
Left/Right Hand Drive	Left Hand Drive	
Current ANC Calibration ID - Service	RU PHEV 3.6L: Steel Roof & Alpine AMP	
ANC Status	Off - Window Mute	

Premium - 3	False	
Premuim - 1 (8 channel)	False	
Premuim - 2 (12 Channel)	True	
Non -ANC	False	
Teen Key Present	False	
Surround Sound Activated	Set	
Sub-EQ Set Selected	Sub-EQ#6 Selected	
Cabin Equalization Curve Number	52	
Door Module - Right Rear	Present	
Door Module - Left Front	Present	
Door Module - Left Rear	Present	
Door Module - Right Front	Present	
ANC Calibration Date - Year	16	
ANC Calibration Date - Week	24	
ANC Calibration Date - Patch Level	0	

IPC CONFIGURATION

NAME	VALUE	UNITS
PHEV	True	
Rear Fog Lamp	False	

PTS CONFIGURATION

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

SCCM CONFIGURATION

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

BCM CONFIGURATION

NAME	VALUE	UNITS
Number of Reprogramming Attempts - Counter #0	0	
Last Programmed Status	Manufacturing	
Vehicle Configuration Programmed Status	True	
Vehicle Configuration 3 - Write Counter	2	
ECU Configuration 11	2	
ECU Configuration 6 (Suspension)	2	
ECU Configuration 1 (CBC Configurable Inputs and Outputs)	2	
Vehicle Config CSM1	2	

ECU Configuration 10	2	
Vehicle Configuration 2 - Write Counter	2	
ECU Configuration 9 (ITM)	2	
ECU Configuration 6 (Brake)	2	
Vehicle Configuration 6 - Write Counter	2	
ECU Configuration 5 (Wireless)	2	
Vehicle Configuration 5 - Write Counter	2	
Vehicle Configuration Auto Write Counter	1	
ECU Configuration 9A	2	
ECU Configuration 5 (Doors)	2	
ECU Configuration 14	2	
Programmed ECUs: Hybrid LAN Network	0	
ECU Configuration 5 (Memory)	2	
ECU Configuration 7 (CBC Exterior Lighting Calibrations)	2	
Programmed Network Configuration - Audio / Telematics Network	0	
Vehicle Config CSM2	2	
Programmed ECUs: P/T Chassis Network	2	
Last Configuration Odometer	0	miles
Vehicle Configuration 1 - Write Counter	2	
Vehicle Configuration 4 - Write Counter	2	
ECU Configuration 13	2	
ECU Configuration 8 (LIN and Miscellaneous)	2	
ECU Configuration 12	2	
ECU Configuration 15 (Suspension)	2	
ECU Configuration 15 (CBC Features)	2	
ECU Configuration 6 (Powertrain)	2	
Programmed ECUs: Cabin Network	2	
ECU Configuration 2 (CBC Features)	2	
ECU Configuration 6 (Safety)	2	
Vehicle Configuration 7 - Write Counter	2	
ECU Configuration 3	2	
ECU Configuration 4	2	
Emode Present	Not Set	
Auto Highbeam	Not Set	
Left/Right Hand Drive	Left Hand Drive	
Maximum Vehicle Speed	0	MPH
Body Style	Station Wagon	
Country Code	USA	
Model Year	2019	
Shifter Type	5 Position Rotary Eshifter PRNDL / Type RS5L	
Remote Start Present	Set	
Vehicle Line	RU	
Hill Descent Feature Present	Not Set	
Drive Configuration	2WD Front	

Performance Pages Present	Not Present	
Special Packages	74	
PTS Configuration	Rear / REAR	
Select Speed Control Feature Present	Not Set	
SKIM System Present	Not Set	
Max Load Inflation Pressure Front Tire	36.0	PSI
Cruise Feature is Present	Set	
Flipper Glass Present	Not Set	
Rain Sensor Present	Not Set	
Off Road Capable	Not Set	
Air Conditioning Present	Not Set	
Power Inverter Type	No Power Inverter	
Full Size Spare	Not Set	
Thatcham Present	Not Set	
Max Load Inflation Pressure Rear Tire	36.0	PSI
Special Packages IC	No Package / NONE	
Forward Collision Warning present	Not Set	
Adjustable Pedal Feature Present (non-Memory)	Not Set	
Fuel Capacity	17	gallons
ESCL system present	Not Set	
Two Fuel Sending Units Present	Not Set	
Vehicle is an SRT	Not Set	
T-Case Type	Not Present / Not Present	
High Intensity Discharge Head Lamps	Not Set	
Wheel Base	Wheel base not programmed / WB_NP	
Auto Headlamp Feature Present	Set	
Secondary Lock Present	Not Set	
Chassis Type	Type 9	
Auto Park Present	Set	
Power Left Sliding Door Present	Set	
Door Alert Feature Present	Not Set	
Display Compass Heading Present	Set	
HVAC Configuration	Dual Zone ATC + Rear	
FOBIK Safe Enable	Set	
RKE System Present	Set	
Display Outside Temperature Present	Set	
Disable Display of Radio Clock	Not Set	
Premium TPM system present	Set	
Collision Mitigation System present	Not Set	
Vehicle Brand	Chrysler	
Police Lighting Feature	Not Set	
Sport Mode Present	Not Set	
Liftgate/Trunk Type	Power Liftgate	
Paddle Shift Feature Present	Not Set	

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

Connector F Pin 23: Door Lock Switch Signal Front Passenger Present	Set	
Connector G Pin 24 (Internally tied to Connector F Pin 7): Ambient Lighting Output	Not Set	
Connector A Pin 11: Hood Ajar Switch Input Present	Set	
Connector E Pin 3/Connector F Pin 42: Rear Turn Lamps Output Present	Not Set	
Connector E Pin 34: Vacuum Cleaner Relay Output Present	Not Set	
Connectro E Pin 37: Right HID Control Output Present	Not Set	
Connector D Pin 11: Stop/Turn Trailer Tow Left Output Present	Not Set	
Park Lamp Loadshed Enable	Set	
Tip Start Enabled	Set	
LED Front Park/Marker Lamps Present	Set	
Bi Xenon Headlamps Enable	Not Set	
Rear Wiper Park Enable	Set	
LED Low Beam Lamps Present	Not Set	
LED Front Fog Lamps Present	Not Set	
Dual Start Relay System Present	Not Set	
Headlamp Wash Spray Duration (at 100 ms intervals)	1100ms	
Headlamp Washer Low Fluid Shut-Off Enable	Set	
Fuel Door Release Enabled	Not Present	
DRL Lamp Location	Dedicated	
DRL Configuration	No DRL	
LED Rear Turn Lamps Present	Not Set	
Horn Chirp Allowed	Set	
Quad Headlamps Enable	Set	
Exterior Light Loadshed Enable	Set	
Headlamp Wash Interval	wash cycle#11	
DRL Dropout Enable	Set	
Headlamp Wash Shot	double	
LED Stop Lamps Present	Not Set	
One Touch Lane Change	Set	
LED Reverse Lamps Present	Not Set	
Wiper Service Position Enabled	Not Set	
Hazard Lamp Configuration	Latching Switch	
LED Tail Lamps Present	Set	
Reversible Washer Pump Enable	Set	
Front Fog Lamp Dropout Enable	Set	
Front Wiper Wipes After Wash	2 Wipes	
LED CHMSL Lamp Present	Set	
Combined Front Park/Turn Feature Enable	Not Set	
Side Repeaters Enable	Not Set	
LED Rear Fog Lamps Present	Not Set	
Combined Rear Lighting Enable	Set	
Intermittent Wiper States	4 Intermittent Wiper position Switch	
Trailer Tow Present	Not Set	
LED Dedicated DRL Present	Set	

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

Frameless Window Present	Not Set	
Electro-chromatic driver mirror present	Not Set	
Window Motor Type	Not Set	
Passenger Window Lockout	Not Set	
Global Down	Not Set	
Passenger Memory Mirror Present	Not Set	
Global Up	Not Set	
Heated Wheel Material Type	Full Leather	
Rear Heated Seats Present	Not Present	
Heated Seat Material Type	Perforated Leather	
Front Vented Seats Present	Not Present	
Tilt/Telescope Steering Present	Not Set	
Memory Adjustable Pedals Present	Not Set	
Driver Memory Seat Present	Not Set	
Stow 'n Assist Present - Driver	Not Set	
Stow 'n Assist Present - Passenger	Not Set	
Heated Steering Wheel Present	Present	
Brake System ECU Configuration A	value 0	
ECO Mode Configuration	Remember Previous State with Ignition Key Cycle	
Dual Alternator Present	Not Set	
Connector E Pin 28: Secondary Door Ajar Switch Present - PIN E-28	Set	
Manual Door Locks Present	Not Set	
Connector F Pin 37: Vacuum Cleaner Power Saver Indicator	Not Present	
Connector D Pin 4: Digital Spare Input #1	Not Present	
Connector E Pin 48 (Tied internally to Connector A Pin16): Rear Wiper Motor Control Output Present	Rear Wiper (0)	
CHMSL Lamp Output Disable	Not Set	
Connector G Pin 2: Fog Lamp Switch Input	Fog Lamp Switch	
Connector D Pin 8: Digital Spare Input #2	Not Present	
Max Engine Off Time	220	Time
Connector F Pin 30: Fuel Door Lock (BUX)	Not Present	
Connector E Pin 3: Left Rear Turn Signal	Left Rear Turn Signal	
Heatsoak Set Time	15	Time
Engine Off Clear Time	180	Time
Heatsoak Speed	15	Counter
Auto High Beam Module Location	None	
Connector E Pin 39: Right Rear Turn Signal	Right Rear Turn Signal	
Heatsoak Flush Time	105	Time
Connector F Pin 15: Driver Door Lock Switch Input	Not Present	
Connector F Pin 29: Horn Switch Present	Horn Switch Input	
Connector F Pin 13: Left Sliding Door Switch Input (B-Pillar)	Left B-Pillar sliding Door Switch	
Connector F Pin 16: Passenger Door Lock Switch Input	Not Present	
Humidy Sensor Long Present	Set	
License Plate Lamp Disable	Not Set	

Connector F Pin 14: Right Sliding Door Switch Input (B-Pillar)	Right B-Pillar Sliding Door Switch	
Ambient Stable Counter Limit	40	Counter
Connector G Pin11/Connector G Pin 12: Not Used	ERS	
Rain Sensor Module #2 Present	Not Set	
Connecetor F Pin 33: Fuel Door Unlock (BUX)	Not Present	
Connector F Pin 34: Spare HSD	Not Present	
Excess Longitudinal Acceleration Factor	Filter Off	
Nose Dive Threshold	Filter Off	
Acceleration Factor	Filter Off	
Average Last Lateral Acceleration Values	No Averaging	
Brake Smoothing Duration	Filter Off	
Acceleration Threshold	Filter Off	
Maximum Longitudinal Change	Filter Off	
Brake Smoothing Threshold	Filter Off	
Excess Lateral Acceleration Factor	Filter Off	
Steering Smoothing Threshold	Filter Off	
Steering Smoothing Duration	Filter Off	
Brake Smoothing Factor	Filter Off	
Nose Dive Factor	Filter Off	
Maximum Lateral Change	Filter Off	
Average Last Longitudinal Acceleration Values	No Averaging	
Steering Smoothing Factor	Filter Off	
VTA Hood Ajar Monitoring	Not Set	
Interior Lighting Night Threshold	4.45147	Volt
RKE Auto-Relock Feature Enable	Not Set	
Horn Chirp Duration	Short	
Auto High Beam ON Threshold	25 km/hr	
Interior Lighting Day Threshold	4.27498	Volt
PE Auto-Relock Feature Enable	Set	
Parking Light Enable	Not Set	
Auto High Beam OFF Threshold	20 km/hr	
Headlamp Soak Delay	1.0 sec	
Sunroof Present	Not Set	
Smart Alternator Present	Not Set	
TPMS Configuration	Logic 1 NHTSA Enable Warning	
Temperature Display Resolution	HaLF	
Auto Dimming Mirror Hard Button Present	Set	
Drive Mode Version	Version 1	
Surround View Camera On/Off Softkey Present	Not Set	
Radio Speaker Open Circuit Disable (RR)	Not Set	
Show Phone Information in Cluster	01	
Automatic Crash Notification Feature Present	Undefined	
Radio Speaker Open Circuit Disable (LR)	Not Set	
Radio Speaker Open Circuit Disable (RF)	Not Set	

ANC Calibration Parameter Data Set	Alpine Amplified 3.6L PHEV	
Radio Speaker Open Circuit Disable (LF)	Not Set	
Park Assist Tuning Set	Sahara	
3rd Row Lock CSO	Not Set	
BUX Market	False	
Driver Kneebag Present	True	
ODS Present	False	
Passenger Kneebag Present	True	
1st Row Seat Side Airbags Present	True	
Passive Ped Pro Present	False	
Integrated EPP Present	False	
Curtain Airbags Present	True	
Tow Hooks Present	False	
Connector A Pin 11: Hood Ajar Switch Signal	500 ohm series and 500 ohm parallel resistors	
Connector D Pin 12: PHEV ECM Hardwire Wake Up	Engine Control Module Wake up (PHEV only)	
Connector F Pin 28: Right Rear Turn Lamp Fault Sense	Disable	
Connector F Pin 5: Left Rear Fog Lamp	Output Disable	
Connector F Pin 41: Backup-Reverse lamp Left	Set	
Connector F Pin 29: Horn Switch Input	Horn Switch Input	
Connector F Pin 31: Right Sliding Door Ajar	Right Sliding Door Ajar	
Connector E Pin 7: Left HID Relay Control	Left HID Lamp Relay	
Stop/Start Enable Switch Present	Not Set	
Connector F Pin 27: Left Sliding Door Ajar	Left Sliding Door Ajar	
Connector E Pin 3: Left Rear Turn Signal	Left Rear Turn Signal	
Connector F Pin 4: Liftgate Release	Trunk/Liftgate Release	
Connector E Pin 37: Right HID Relay Control	Right HID Lamp Relay	
Connector F Pin 25: Left Rear Turn Lamp Fault Sense	Disable	
Connector D Pin 21: Brake Fluid Level Switch	no parallel resistor	
Connector D Pin 11: Stop/Turn Trailer Tow Left Output Present	Reserved	
Connector E Pin 29: Rear Wiper Motor Park Signal	Reserved	
Connector E Pin 39: Right Rear Fog Lamp	Output Disable	
Connector A Pin 2: Right High Beam Feed	Right High Beam (0)	
Connector E Pin 5: E-5 PHEV Fuel Door Switch Input	PHEV Fuel Door Switch	
Connector D Pin 1: Left High Beam Feed	Left High Beam (0)	
Connector F Pin 42: Right Rear Turn Signal	Right Rear Turn Signal	
Connector E Pin 1: Backup-Reverse lamp Right	Set	
Rear View Camera Static Grid Lines Enabled	Not Set	
Rear View Camera Dynamic Grid Lines Enabled	Set	
Auto Wipers	Not Set	
Auto Highbeam	Not Set	
Auto Unlock	Set	
Sliding Door Chime Enable	Set	
Sound Horn On Lock Status	Chirp on 1st press/FIRST	

Auto Lock	Set	
Illuminated Approach Time	30	seconds
Unlock all doors on 1st press	Set	
Headlamp Delay Time	30	seconds
Sound Horn on Remote Start	Set	
Hands Free Sliding Door Enable	Set	
Headlamps on with Wipers	Set	
Sound Horn on Lock	Set	
Sliding Door Alert	Not Set	
Flash Lamps on Lock	Set	
Daytime Running Lamps	Set	
Accessory Delay Time	45	seconds
Siren	Not Set	
Tilt	Not Set	
Ultrasonics	Not Set	
Left Low Beam Voltage Regulation	13.6 Volts	
Right Rear Corner Voltage	14 Volts	
Right Front Corner Voltage	13.4 Volts	
Auto Headlamp Off Threshold	2.54930	Volt
Left High Beam Voltage Regulation	13.6 Volts	
Front Park/Turn Voltage	Park to Turn ratio 55 Percent	
Auto Headlamp On Threshold	3.31409	Volt
Left Rear Corner Voltage	14 Volts	
Right High Beam Voltage Regulation	13.8 Volts	
Right Low Beam Voltage Regulation	14 Volts	
Left Front Corner Voltage	13.2 Volts	
Battery Type II	255	
IBS Minimum Charge Limit	600	mA
IBS Minimum Voltage Limit	5.0	Volts
IBS Activate MWU	Not Set	
Battery Types	SNA	
IBS Quiescence Current Limit	-250	mA
IBS Minimal Charge Limit	10	AmpHrs
OBCM	Set	
EBCM	Set	
ESM	Set	
EAC	Set	
APM	Set	
AHCP	Set	
HCP	Set	
BPCM	Set	
ESC	Set	
ECM	Set	
ORC	Set	

VTM	Not Set	
DMRL	Set	
PSDMR	Set	
EDM	Not Set	
EOMR	Set	
DDM	Set	
DTV	Not Set	
PDM	Set	
HVACR	Set	
PLGM	Set	
ICS	Set	
DSM	Set	
CVPM	Not Set	
MSMP	Not Set	
ANC	Not Set	
HSM	Set	
MSM	Not Set	
PSDML	Set	
Radio	Set	
DMRR	Set	
VRM	Not Set	
FSM	Not Set	
ITM	Not Set	
BCM (Interior Bus)	Set	
EAM	Not Set	
HVAC	Set	
AMP	Set	
Illuminated Approach Interior Lighting Ramp Up Time	130(2600ms)	
VTA System Present	VTA	
Alert On System Fault	Set	
Washer Fluid Level Voltage Threshold	4.46 volts	
EVIC SWS Module Present	Set	
Fobik Safe Alerts Per Ignition Cycle	2	
Panic Enable	Set	
IBS Present	Set	
Humidity Sensor Present	Set	
Compass Mounting Angle	0	Degree
Compass Mounting Orientation	Rightside up	
Alert On Search Timeout	Set	
Illuminated Approach Taillamp Target Percentage	125 (62.5%)	
Auto Relock Time	60	seconds
Illuminated Approach Interior Lighting Target Percentage	100(50%)	
Alert no Reply	Set	
OHC Module Present	Set	

Illuminated Approach Headlamp Target Percentage	125 (62.5%)	
HFRM Present	Not Set	
CRVMM Present	Set	
AHLM	Not Set	
IPC	Set	
TCM	Not Set	
ORC	Set	
EPS	Set	
ABS	Not Set	
FFCM	Not Set	
OCM	Set	
SCCM	Set	
PTS	Set	
ACC	Not Set	
ESM	Set	
RFH	Set	
HCP	Set	
ABSO	Set	
BCM (PT)	Set	
PCM	Set	
ESL	Not 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 Status	Subscribed	

Satellite Subscription ID	ACG54DR1	
Satellite Subscription Reason Code	02	
Satellite Subscription Suspend Day	16	
Satellite Subscription Suspend Month	01	
Satellite Subscription Suspend Year	1E	
Aux Jack	Not Inserted	
SD Card Readers Detected	0	No Unit
Enumerated USB Devices	0	No Unit
USB Hubs Detected	1	No Unit
DTV Short Term Configuration	—	
911 Button	—	
Splash Screen	—	
Cabin EQ Curve Number Currently Used by Radio	—	
Clock Defeat	—	
Anti-Theft Enable Status	—	
12/24 Time Selection	—	
Front Seat Video Playback	—	
Automated Loudness	—	
SDARS	—	
Navigation Active	—	
Cellular	—	
Application Framework	—	
Bluetooth	—	
Internal CD Player	—	
FM Diversity	—	
Wi-Fi	—	

HVACR CONFIGURATION

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



CUSTOM REPORT

Vehicle 2019 CHRYSLER PACIFICA 3.6L V6 HYBRID ENGINE
VIN 2C4RC1L78 [REDACTED]

Odometer 6189.7 miles
Publication Date Dec 24, 2019, 2:26:48 PM

DTC SUMMARY

ECU	DTC CODE	DTC DESCRIPTION	STATUS
PCM	U140A	Implausible Right Front Wheel Speed Signal Received	Stored
PCM	U1409	Implausible Left Front Wheel Speed Signal Received	Stored
ESM	P0919-00	Gear Shift Position Control Error-	Stored
HVAC	B10EB-00	Blower Power Module-	Stored
PTS	U0415-00	Invalid Data Received from Anti-Lock Brake System (ABS) Control Module "A"-	Stored
RADIO	B280B-00	NTSC Video Input-	Stored
BPCM	P0A95-00	High Voltage Fuse "A"-	Active
BPCM	P0AA1-00	Hybrid/EV Battery Positive Contactor "A" Stuck Closed-	Active
HCP	P061B-00	Internal Control Module Torque Calculation Performance-	Active
HCP	P062C-00	Internal Control Module Vehicle Speed Performance-	Active
HCP	P0642-00	Sensor Reference Voltage 1 Circuit Low-	Active
HCP	P06B1-00	Sensor Power Supply 1 Circuit Low-	Active
HCP	P06B4-00	Sensor Power Supply 2 Circuit Low-	Active
HCP	P079B-00	Transmission Friction Element 2 Slip Detected-	Active
HCP	P0A3C-00	Drive Motor A Inverter Over Temperature-	Stored
HCP	P0A3D-00	Drive Motor B Inverter Over Temperature-	Stored
HCP	P0A45-00	Drive Motor B Position Sensor 1 Circuit-	Active
HCP	P0A4A-00	Drive Motor B Position Sensor 1 Circuit Overspeed-	Active
HCP	P0A78-00	Drive Motor A Inverter Performance-	Active
HCP	P0A79-00	Drive Motor B Inverter Performance-	Active
HCP	P0AFA-00	Hybrid/EV Battery System Voltage Low-	Active
HCP	P0C0B-00	Drive Motor A Inverter Power Supply Circuit/Open-	Stored
HCP	P0C0E-00	Drive Motor B Inverter Power Supply Circuit/Open-	Active
HCP	P0C11-00	Drive Motor A Inverter Phase U Over Temperature-	Stored
HCP	P0C14-00	Drive Motor B Inverter Phase U Over Temperature-	Stored
HCP	P0C1A-00	Drive Motor B Torque Delivered Performance-	Active
HCP	P16F9-00	HCP Internal - Shutdown Performance-	Stored
HCP	P1AEC-00	MCPA HV Battery Voltage Sensor Circuit Performance-	Active
HCP	P1AEE-00	MCPA HV Battery System Voltage High-	Active
HCP	P1E18-00	Internal Control Module Electronic Park Performance-	Stored
HCP	P26C3-00	Internal Control Module Electronic Shifter Performance-	Stored

HCP	U0415-00	Invalid Data Received from Anti-Lock Brake System (ABS) Control Module "A"-	Stored
HCP	U0623-00	Lost Communication with Coolant Pump "A"-	Active
HCP	U1852-00	Implausible Data Received from ABS on D-PT-	Stored
ABSO	C0501-00	Left Front Wheel Speed Sensor "A" Range/Performance-	Stored
ABSO	C0507-00	Right Front Wheel Speed Sensor "A" Range/Performance-	Stored



VEHICLE SCAN REPORT

Vehicle VIN 2019 CHRYSLER PACIFICA 3.6L V6 HYBRID ENGINE
2C4RC1L7 [REDACTED]

Odometer 6189.7 miles
Publication Date Dec 27, 2019, 3:08:29 PM

ECU SUMMARY INFO

ECU	NAME	BUS TYPE	FLASH PART #	CURRENT	ORIGINAL V	PART #
PCM	Powertrain Control Module	CAN-C	68416681AD	2C4RC1L7	2C4RC1L7	68416681AD
ICS	Integrated Center Stack	CAN-I	6EV301X8AB	2C4RC1L7	2C4RC1L7	6EV301X8AB
RFH	Radio Frequency Hub	CAN-C	68383680AB	2C4RC1L7	2C4RC1L7	68383680AB
ESM	Electronic Shifter	CAN-C	68240089AL	2C4RC1L7	2C4RC1L7	68240089AL
ORC	Occupant Restraint	CAN-C	68405567AB	2C4RC1L7	2C4RC1L7	68405567AB
EPS	Electric Power Steering	CAN-C	68416741AA	2C4RC1L7	2C4RC1L7	68416741AA
HVAC	Heat, Ventilation and A/C	CAN-I	68406613AA	2C4RC1L7	2C4RC1L7	68406613AA
DDM	Driver Door Module	CAN-I	68316561AD	2C4RC1L7	2C4RC1L7	68316561AD
PDM	Passenger Door Module	CAN-I	68316560AD	2C4RC1L7	2C4RC1L7	68316560AD
DMRL	Door Module Rear Left	CAN-I	68225096AG	2C4RC1L7	2C4RC1L7	68225096AG
DMRR	Door Module Rear Right	CAN-I	68225096AG	2C4RC1L7	2C4RC1L7	68225096AG
PSDML	Power Sliding Doors (Left)	CAN-I	68369596AB	2C4RC1L7	2C4RC1L7	68369596AB
PSDMR	Power Sliding Doors (Right)	CAN-I	68369596AB	2C4RC1L7	2C4RC1L7	68369596AB
PLGM	Power Liftgate	CAN-I	68316094AF	2C4RC1L7	2C4RC1L7	68316094AF
AMP	Amplifier	CAN-I	68338770AC	2C4RC1L7	2C4RC1L7	68338770AC
IPC	Instrument Panel Cluster	CAN-C	68405292AC	2C4RC1L7	2C4RC1L7	68405292AC
PTS	Parktronics	CAN-C	68193772AJ	2C4RC1L7	2C4RC1L7	68193772AJ
SCCM	Steering Column Control Module	CAN-C	68360889AC	2C4RC1L7	2C4RC1L7	68360889AC
BCM	Body Controller	CAN-C	68402177AB	2C4RC1L7	2C4RC1L7	68402177AB
HSM	Heated Seat Module	CAN-I	68414665AA	2C4RC1L7	2C4RC1L7	68414665AA
RADIO	Radio	CAN-I	68401442AB	2C4RC1	2C4RC1L7	68401442AB
OCM	Occupant Classification	CAN-C	68403127AA	2C4RC1L7	2C4RC1L7	68403127AA
HVACR	Heat, Ventilation and	CAN-I	68373079AB	2C4RC1L7	2C4RC1L7	68373079AB

A/C Rear							
LBSS	Left Blind Spot Sensor	CAN-I	04672786AB	2C4RC1L7		2C4RC1L	04672786AB
RBSS	Right Blind Spot Sensor	CAN-I	04672786AB	2C4RC1L7		2C4RC1L	04672786AB
APM	Accessory Power Module	CAN-C	05185046AB	2C4RC1L7		2C4RC1L	05185046AB
BPCM	Battery Pack Control Module	CAN-C	68429967AD	2C4RC1L7		2C4RC1L	68429967AD
HCP	Hybrid Control Processor	CAN-C	05190240AM	2C4RC1L7		2C4RC1L	05190240AM
OBCM	On Board Charging Module	CAN-C	05185047AD	2C4RC1L7		2C4RC1L	05185047AD
DSM	Display Screen Module	CAN-I	68316175AB	2C4RC1L7		2C4RC1L	68316175AB
RCCC	Rear Cabin Comfort Controls	CAN-I	68395990AA	2C4RC1L7		2C4RC1L	68395990AA
EAC	Electric A/C Compressor	CAN-C	68237995AG	2C4RC1L7		2C4RC1L	68237995AG
AHCP	Auxiliary Hybrid Control Processor	CAN-C	05190241AM	2C4RC1L7		2C4RC1L	05190241AM
EBBM	Electronic Brake Booster Module	CAN-C	68240033AJ	2C4RC1L7		2C4RC1L	68240033AJ
ABSO	Anti Lock Brakes OBD	CAN-C	68352786AA	2C4RC1L7		2C4RC1L	68352786AA
SGW	Security Gateway Module	CAN-C	68420261AA			2C4RC1L	68420261AA

ECU SUMMARY INFO (CONT...)

ECU	COUNTRY CODE	HARDWARE VERSION	SOFTWARE VERSION	VARIANT	VERSION	ISO CODE	CVNS
PCM	USA	1B 47	91 04 01	44	59		C461C211
ICS	USA	0F 0C 00	11 16 00	44	00		
RFH	USA / USA	10 17 00	12 08 00	4A	00		
ESM	USA / USA	0F 24 00	12 02 FF	44	02		
ORC	USA / USA	11 1F 00	11 27 00	43	01		
EPS	USA / USA	12 02 03	11 15 01	45	02		
HVAC	USA	0E 09 00	11 29 01	44	01		
DDM	USA / USA	11 30 00	17 42 00	41	02		
PDM	USA	11 30 00	17 42 00	41	02		
DMRL	USA / USA	10 0B 00	12 0C 00	42	01		
DMRR	USA / USA	10 0B 00	12 0C 00	42	01		
PSDML	USA / USA	10 17 00	11 2D 10	40	01		
PSDMR	USA / USA	10 17 00	11 2D 10	40	01		
PLGM	USA	17 19 00	18 22 00	42	02		
AMP	USA	17 2A 01	12 0F 00	40	30		
IPC	USA / USA	12 0A 00	12 10 00	47	04		
PTS	USA	0E 32 00	12 1F 00	43	11		
SCCM	USA	0E 30 00	10 2B 00	43	01		
BCM	USA	0D 11 00	12 0B 90	44	15		

HSM	USA / USA	15 12 00	12 05 01	40	03		
RADIO	USA	12 21 24	12 21 24	82	05		
OCM	USA / USA	11 1F 01	0E 2F 02	40	30		
HVACR	USA	0E 09 00	10 03 02	43	01		
LBSS	USA / USA	11 30 02	12 0D 00	42	02		
RBSS	USA / USA	11 30 02	12 0D 00	42	02		
APM	USA / USA	11 32 00	11 32 00	40	01		
BPCM		0E 03 00	12 07 04	40	05		FEDBFE12
HCP	USA	11 1F 04	12 20 01	40	04		6C36848E 5412B2DD 31B4913E
OBCM	USA	0F 0D 00	11 2B 00	40	02		
DSM	USA / USA	11 16 00	11 15 00	40	00		
RCCC	USA	0F 1D 00	11 16 00	40	00		
EAC	USA	0E 34 00	12 0F 00	41	02		
AHCP	USA	11 1F 04	12 20 01	40	00		
EBBM	USA	0E 19 02	11 18 14	40	00		BBFD096B
ABSO	USA	0E 15 02	11 0B 16	42	01		A1B31723
SGW		5	564	41	02		

DTC SUMMARY

ECU	DTC CODE	DTC DESCRIPTION	STATUS
BPCM	P0A95-00	High Voltage Fuse "A"-	Active
HCP	P0642-00	Sensor Reference Voltage 1 Circuit Low-	Active
HCP	P06B1-00	Sensor Power Supply 1 Circuit Low-	Active
HCP	P06B4-00	Sensor Power Supply 2 Circuit Low-	Active
HCP	P079B-00	Transmission Friction Element 2 Slip Detected-	Active
HCP	P0A45-00	Drive Motor B Position Sensor 1 Circuit-	Active
HCP	P0A4A-00	Drive Motor B Position Sensor 1 Circuit Overspeed-	Active
HCP	P0A78-00	Drive Motor A Inverter Performance-	Active
HCP	P0A79-00	Drive Motor B Inverter Performance-	Active
HCP	P0C0E-00	Drive Motor B Inverter Power Supply Circuit/Open-	Active
HCP	P0C1A-00	Drive Motor B Torque Delivered Performance-	Active
HCP	P1AEC-00	MCPA HV Battery Voltage Sensor Circuit Performance-	Active
HCP	P1AEE-00	MCPA HV Battery System Voltage High-	Active
HCP	P215B-00	Vehicle Speed - Output Shaft Speed Correlation-	Active
HCP	U0623-00	Lost Communication with Coolant Pump "A"-	Active

ENVIRONMENTAL DATA SUMMARY

BPCM | P0A95-00 | ACTIVE | HIGH VOLTAGE FUSE "A"-

NAME	VALUE	UNITS
DTC	0A 95 00	
Test Failed This Operation Cycle	True	
Test Failed	True	
Confirmed DTC	True	

Pending DTC	True	
Occurrence flag	ERROR	
Test Not Completed Since Last Clear	False	
Key in Ignition	Key_Def	
Key Position	Ign_Run	
EPT -WakeUp	Sourced	
HCP Contactor Command	Open	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
Qualified Contactor Command - QCC	Open	
Verified Contactor Command - VCC	Open	
Contactor Status	Open	
Plug in Status	Not plugged in	
Battery in Periodic wake up (Just battery) at time of Fault	False	
Battery in Periodic wake up (Wake up vehicle) at time of Fault	False	
Balance Mode	False	
ChargingLevel	Plug in, but no charge	
HVIL Status - Battery pack	PASS	
HVIL Status -Vehicle	PASS	
Pump - Wire Open\Short to Gnd	PASS	
Pump - Dry Run Detection	PASS	
Pump - Overcurrent	PASS	
Pump - Overtemperature	PASS	
Pump - Switch Power Shorted	PASS	
CVTN COMP ERR H	Normal	
CVTN COMP ERR L	Normal	
CVTN COMP FLT H	Normal	
CVTN EDGE ERR H	Normal	
CVTN EDGE ERR L	Normal	
CVTN ABORT H	Normal	
CVTN COMP FLT L	Normal	
CVTN ABORT L	Normal	
CVTN CRC FAULT H	Normal	
CVTN CRC FAULT L	Normal	
CVTN STOP ERR	Normal	
CVTN FRAM ERR	Normal	
CVTN STK FAULT ERR	Latched	
CVTN SYS RESET	Normal	
CVTN COMM TIMEOUT	Active	
CVTN VDIG WAKE FAULT	Normal	
CVTN VDIG FAULT	Normal	
CVTN INT TEMP FAULT	Normal	
CVTN VP CLAMP	Normal	

CVTN VM FAULT	Normal	
CVTN VP FAULT	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 ACT ECC ERR	SNA	
CVTN CUST ECC COR	Normal	
CVTN CUST ECC ERR	SNA	
CVTN FACT ECC COR	SNA	
Fault trigger level 1	False	
Fault trigger level 2	False	
Fault trigger level 3	False	
Fault Path	01	
Key - DriveRdy (CAN)	True	
Battery Cell Highest Cell number	22	
Battery Cell Lowest Cell number	15	
Battery Temperature Highest Sensor number	01	
Battery Temperature Lowest Sensor number	12	
Battery Temperature Number of Failing Sensors	00	
HV Cooling Pump Relay Drive	Not Sourced	
Pump - Battery Coolant Level Low	False	
Isolation Vehicle Diagnostic Status	Run and Passed	
CVTN CUST CKSUM ERR	Normal	
Isolation Battery Diagnostic Status	Run and Passed	
Most Recent Odometer Value	6184	miles
Ignition Cycle Counter	0	
Frequency Counter	1	
FoM - for this DTC (lifetime fails)	184	events
Battery Total Time Awake	35599908	seconds
FoM - for this DTC (lifetime longest fail on pass)	1.120	seconds
Original Odometer Value	6184	miles
FoM - for this DTC (lifetime fails counts on pass)	2.9600	seconds
Battery Lifetime Miles	78C426	miles
Vehicle Speed	0.0	MPH
System (12) Volts at time of fault	12.556	Volts
Vehicle mileage at time of fault (ODO signal in \$3D2)	6189.62	miles
Battery Lifetime AmpHrs of Charge	4754.7	AHr
HVIL PWM Duty Cycle - Vehicle	50.2	%
HVIL PWM Frequency - Vehicle	87.9	Hz
SOC at time of Fault	25.5	%
Battery Lifetime AmpHrs of DisCharge	4745.6	AHr
HV Battery Current Sensor 1 Hall High	-0.60	Amps

HVIL PWM peak voltage Sourced - Vehicle	11.387	Volts
HVIL PWM peak voltage Sensed - Vehicle	11.338	Volts
HV Cooling Speed Pump 1 Target	0	rpm
Power Up SOC at time of Fault	25.5	%
HVIL Returned current - Battery	30.60	mA
HVIL Source Voltage- Battery	1.392	Volts
Charge indicator Temp	48	°F
HV Battery Current Sensor 2 Hall Low	0.00	Amps
HV Battery Current HVBatCmnt	0.00	Amps
HV Cooling Speed pump 1 Speed	0	rpm
Isolation Circuitry Va	2.496	Volts
BPCM temperature min	37	°F
BPCM temperature max	39	°F
Isolation Circuitry Vd	0.000	Volts
WC and Circuitry 2.5V Reference Voltage	2.501	Volts
Isolation Circuitry Vb	2.501	Volts
HV Battery Charge Power 2sec	78303	watts
WC and Circuitry Vcc Voltage	5.009	Volts
WC and CircuitryISO 8V Reference Voltage	8.000	Volts
WC and Circuitry Weld Contactor Sensor G (Pack Negative) Voltage	-3.4	Volts
Cycles left to self heal	40	No Unit
HV Battery Power	007530	watts
HV Battery Charge Power 10sec	74370	watts
HV Battery Discharge Power 2sec	77748	watts
HV Battery Discharge Power 10sec	69489	watts
Battery Lifetime Number Of Closes	1590	
Battery Full AmpHr Capacity	48	AmpHrs
Cell Impedance Max Discharge	0	mOhms
Cell Impedance Mim Discharge	0	mOhms
Battery Cell Voltage Average	3569	mV
Battery Cell Voltage Maximum	3573	mV
Battery Cell Voltage Minimum	3564	mV
HV Sensor A Pack Voltage	1.30	Volts
HV Battery Voltage (cell sum)	342.60	Volts
HV Battery Voltage (Module Sum)	342.20	Volts
HV Sensor B Bus\Link (Pre-Fuse) Voltage	0.70	Volts
HV Sensor C OBCM (HVOBC Fuse) Voltage	0.70	Volts
Battery Temperature Minimum Module	37	°F
HV Sensor G Weld Contactor(Pack Negative) Voltage	-3.4	Volts
Battery Temperature Maximum Module	39	°F
HV Cooling Battery coolant inlet temp	39	°F
Battery Temperature Average Module	39	°F
HV Sensor D Heater (HVHTR Fuse) Voltage	0.70	Volts
HV Cooling Battery coolant outlet temp	39	°F

Isolation Vehicle Impedance	7.8063	Mega Ohms
HV Cooling OBCM temp inlet Temp	41	°F
Isolation Battery Impedance	0.8480	Mega Ohms

HCP | P0642-00 | ACTIVE | SENSOR REFERENCE VOLTAGE 1 CIRCUIT LOW-

NAME	VALUE	UNITS
DTC	06 42 00	
Test Failed	True	
Pending DTC	True	
Test Failed This Operation Cycle	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	True	
Occurrence flag	Occurrence	
PHEV Charging Status	No Charging	
Brake Switch Status	Not Applied	
Ignition State	Reserved	
PRND Position Display	P	
Propulsion System Active	False	
Motor A Phase U Short Fault - High-Side	False	
Motor A Phase U Over Current Fault - High-Side	False	
Motor A Phase U Cross Conduction 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	False	
Motor A Phase U Comm Error Low Voltage Regulator Fault - High-Side	False	
Motor A Phase U SPI Error Fault - High-Side	True	
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 Thermal Warning Fault - Low-Side	False	
Motor A Phase U Over Current Fault - Low-Side	False	
Motor A Phase U Thermal Shutdown Fault - Low-Side	False	
Motor A Phase U SPI Error Fault - Low-Side	True	
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	False	
Motor A Phase V Comm Error Low Voltage Regulator Fault - High-Side	False	

Motor A Phase V SPI Error Fault - High-Side	True	
Motor A Phase V Hardware Error Fault - High-Side	True	
Motor A Phase V Short Fault - Low-Side	False	
Motor A Phase V Over Current Fault - Low-Side	False	
Motor A Phase V Cross Conduction 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	True	
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	False	
Motor A Phase W SPI Error Fault - High-Side	True	
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 Thermal Warning Fault - Low-Side	False	
Motor A Phase W Over Current Fault - Low-Side	False	
Motor A Phase W Thermal Shutdown Fault - Low-Side	False	
Motor A Phase W Comm Error Low Voltage Regulator Fault - Low-Side	False	
Motor A Phase W SPI Error Fault - Low-Side	True	
Motor A Phase W Hardware Error Fault - Low-Side	True	
Hybrid System State	SNA	
HV Contactor Status	Open	
Inverter B Status Feedback	Inverter Faulted	
HCP ePT Wake-Up Output	On	
CBC Wake-Up Input	Off	
EPT LOC Diag Enable	Enable LOC Diagnostic	
APM Status	Idle	
Impact Event	False	
HCP System Shutdown Command	Default	
OBCM Operating Mode	UTC	
J1772 Prox Detected State	Prox Out	
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	False	
Motor A Phase U Comm Error Low Voltage Regulator Fault - Low-Side	False	
Motor A Phase V Over Voltage Fault VH - High-Side	False	
Motor A Phase V Under Voltage Fault VH - High-Side	False	
Motor A Phase 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 Over Voltage Fault VL - Low-Side	False	
Motor A Phase V Under Voltage Fault VH - Low-Side	False	
Motor A Phase V Under Voltage Fault VL - Low-Side	False	
Motor A Phase V Under Voltage Fault VDD - Low-Side	False	
Motor A Phase V Over Voltage Fault VDD - Low-Side	False	
Motor A Phase V Comm Error High Voltage Regulator Fault - Low-Side	False	
Motor A Phase V Comm Error Low Voltage Regulator Fault - Low-Side	False	
Motor A Phase W Over Voltage Fault VH - High-Side	False	
Motor A Phase W Cross Conduction Fault - 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 Over Voltage Fault VDD - High-Side	False	
Motor A Phase W Under Voltage Fault VL - High-Side	False	
Motor A Phase W Under Voltage Fault VDD - High-Side	False	
Motor A Phase W Comm Error High Voltage Regulator Fault - High-Side	False	
Motor A Phase W 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	False	
Inverter A Status Feedback	Inverter Faulted	
Original Odometer Value	6189.7	miles
Most Recent Odometer Value	6189.7	miles
Frequency Counter	1	
Ignition Cycle Counter	0	
Real time clock	35599904	sec
RAM stamps keyOn	75	sec
RAM Stamps	2381	Min

Accelerator Pedal Position	0	%
Engine Speed	0	rpm
HV Battery SOC	26	%
Vehicle Speed	0.0000	MPH
Barometric Pressure	15	PSI
Engine Coolant Temperature	37	°F
Available Motor Torque - Motor A	6.822	Ft-Lbs
Actual 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	-4	AMP
Motor A - Inverter Current - phase B	-4	AMP
Motor A - Inverter Current - phase C	-4	AMP
Motor A Resolver Supply Voltage Value	03FD	Volts
Battery Feed Voltage 2 Sense	12.384	Volts
Battery Feed Voltage 3 Sense	12.168	Volts
Internal EPS Voltage Sense A	0.000	Volts
Internal EPS Voltage Sense B	0.000	Volts
PIM DC Link Voltage - A	0	Volts
PIM DC Link Voltage - B	2	Volts
Passive Pump Coolant Temp In Sensor	41	°F
Low Temp Active Pump Speed	0	rpm
High Temp Aux Pump - Actual Speed	0	rpm
Outside Air Temperature	42.8	°F
Battery Feed Voltage 1 Sense	12.384	Volts
Actual Torque - Motor B	0.000	Ft-Lbs
Available Motor Torque - Motor B	7.006	Ft-Lbs
Available Regen Torque - Motor A	-6.822	Ft-Lbs
Available Regen Torque - Motor B	-7.006	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	-4	AMP
Motor B - Inverter Current - phase C	-4	AMP
Motor A Resolver Angle	196	Degree
Motor B Resolver Angle	Invalid Value	Degree
Motor A Temp Sensor	41	°F
Motor B Temp Sensor	41	°F
HV Battery Voltage from BPCM	180.00	Volts
Electric Motor B Speed	13474.0	rpm
Inverter A IGBT Temperature for phase A	39	°F
Inverter A IGBT Temperature for phase C	39	°F
Inverter A IGBT Temperature for phase B	39	°F
Inverter B IGBT Temperature for phase A	39	°F

Inverter B IGBT Temperature for phase C	39	°F
Inverter B IGBT Temperature for phase B	39	°F
Distance Travelled with Light ON	0	miles
Motor A Torque	0.000	Ft-Lbs
Motor B Torque	0.000	Ft-Lbs
HV Battery Sleep Time	0	Days
Motor A Resolver Angle	196	Degree
Motor A Temp Sensor	41	°F
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 | P06B1-00 | ACTIVE | SENSOR POWER SUPPLY 1 CIRCUIT LOW-

NAME	VALUE	UNITS
DTC	06 B1 00	
Test Failed	True	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	True	
Occurrence flag		
Brake Switch Status		
PHEV Charging Status		
Ignition State		
PRND Position Display		
Propulsion System Active		
Motor A Resolver Offset Learning Status Flag		
Motor A Resolver Offset Learn Erase		
Motor B Resolver Offset Learning Status Flag		
Motor A Resolver to Digital Low Level Driver Faults		
Motor B Resolver to Digital Low Level Driver Faults		
Hybrid System State		
HCP ePT Wake-Up Output		
CBC Wake-Up Input		
EPT LOC Diag Enable		
HV Contactor Status		
APM Status		

Impact Event		
HCP System Shutdown Command		
OBCM Operating Mode		
J1772 Prox Detected State		
Motor B Resolver Offset Learn Erase		
Original Odometer Value		miles
Most Recent Odometer Value		miles
Frequency Counter		
Ignition Cycle Counter		
Real time clock		sec
RAM stamps keyOn		sec
RAM Stamps		Min
Accelerator Pedal Position		%
Engine Speed		rpm
HV Battery SOC		%
Vehicle Speed		MPH
Motor A Temp Sensor		°F
Motor B Temp Sensor		°F
Engine Coolant Temperature		°F
Barometric Pressure		PSI
Motor A Resolver Angle Offset		Degree
Motor B Resolver Angle Offset		Degree
Motor A Resolver Supply Voltage Value		Volts
Motor B Resolver Supply Voltage Value		Volts
Internal EPS Voltage Sense A		Volts
Battery Feed Voltage 2 Sense		Volts
Internal EPS Voltage Sense B		Volts
Actual Torque - Motor A		Ft-Lbs
Available Motor Torque - Motor A		Ft-Lbs
Actual Torque - Motor B		Ft-Lbs
Available Regen Torque - Motor A		Ft-Lbs
Available Motor Torque - Motor B		Ft-Lbs
Available Regen Torque - Motor B		Ft-Lbs
Commanded Torque - Motor A		Ft-Lbs
Electric Motor A Speed		rpm
Commanded Torque - Motor B		Ft-Lbs
Electric Motor B Speed		rpm
Battery Feed Voltage 1 Sense		Volts
Battery Feed Voltage 3 Sense		Volts
Motor A - Inverter Current - phase A		AMP
Motor A - Inverter Current - phase B		AMP
Motor A - Inverter Current - phase C		AMP
Motor B - Inverter Current - phase A		AMP
Motor B - Inverter Current - phase B		AMP

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

HCP | P06B4-00 | ACTIVE | SENSOR POWER SUPPLY 2 CIRCUIT LOW-

NAME	VALUE	UNITS
DTC	06 B4 00	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Test Failed	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	True	
Occurrence flag	Occurrence	
Brake Switch Status	Not Applied	
PHEV Charging Status	No Charging	
Ignition State	Reserved	
Propulsion System Active	False	
PRND Position Display	P	

Motor A Resolver Offset Learn Erase	not requested	
Motor B Resolver Offset Learning Status Flag	Applied	
Motor A Resolver Offset Learning Status Flag	Applied	
Motor A Resolver to Digital Low Level Driver Faults	No fault	
Motor B Resolver to Digital Low Level Driver Faults	Resolver Loss of Signal	
Hybrid System State	SNA	
HCP ePT Wake-Up Output	On	
CBC Wake-Up Input	Off	
EPT LOC Diag Enable	Enable LOC Diagnostic	
HV Contactor Status	Open	
Impact Event	False	
APM Status	Idle	
HCP System Shutdown Command	Default	
OBCM Operating Mode	UTC	
J1772 Prox Detected State	Prox Out	
Motor B Resolver Offset Learn Erase	not requested	
Original Odometer Value	6189.7	miles
Most Recent Odometer Value	6189.7	miles
Frequency Counter	1	
Ignition Cycle Counter	0	
RAM stamps keyOn	75	sec
RAM Stamps	2381	Min
Real time clock	35599904	sec
Accelerator Pedal Position	0	%
Engine Speed	0	rpm
HV Battery SOC	26	%
Vehicle Speed	0.0000	MPH
Motor A Temp Sensor	41	°F
Barometric Pressure	15	PSI
Motor B Temp Sensor	41	°F
Engine Coolant Temperature	37	°F
Motor B Resolver Angle Offset	3.20	Degree
Motor A Resolver Angle Offset	2.00	Degree
Motor A Resolver Supply Voltage Value	03FD	Volts
Motor B Resolver Supply Voltage Value	03FD	Volts
Battery Feed Voltage 2 Sense	12.384	Volts
Internal EPS Voltage Sense A	0.000	Volts
Internal EPS Voltage Sense B	0.000	Volts
Actual Torque - Motor A	0.000	Ft-Lbs
Actual Torque - Motor B	0.000	Ft-Lbs
Available Motor Torque - Motor B	0.000	Ft-Lbs
Available Motor Torque - Motor A	0.000	Ft-Lbs
Available Regen Torque - Motor B	0.000	Ft-Lbs
Available Regen Torque - Motor A	0.000	Ft-Lbs

Commanded Torque - Motor A	0.000	Ft-Lbs
Electric Motor A Speed	0.0	rpm
Commanded Torque - Motor B	0.000	Ft-Lbs
Electric Motor B Speed	13474.0	rpm
Battery Feed Voltage 1 Sense	12.384	Volts
Battery Feed Voltage 3 Sense	12.168	Volts
Motor A - Inverter Current - phase A	-4	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	196	Degree
Motor B Resolver Angle	Invalid Value	Degree
Outside Air Temperature	42.8	°F
HV Battery Voltage from BPCM	180.00	Volts
PIM DC Link Voltage - A	1	Volts
PIM DC Link Voltage - B	2	Volts
Inverter A IGBT Temperature for phase A	39	°F
Inverter A IGBT Temperature for phase B	39	°F
Inverter A IGBT Temperature for phase C	39	°F
Inverter B IGBT Temperature for phase A	39	°F
Inverter B IGBT Temperature for phase B	39	°F
Inverter B IGBT Temperature for phase C	39	°F
Distance Travelled with Light ON	0	miles
Motor A Torque	0.000	Ft-Lbs
Motor B Torque	0.000	Ft-Lbs
HV Battery Sleep Time	0	Days
Motor B Resolver Angle	Invalid Value	Degree
Motor A Resolver Angle	196	Degree
GPS Date - Year	0	Year
GPS Date - Day	1	Days
GPS Date - Month	1	
UTC Time - Hours	0	Hours
UTC Time - Minutes	0	
UTC Time - Seconds	0	seconds
ECU Time - Milliseconds	0	ms

HCP | P079B-00 | ACTIVE | TRANSMISSION FRICTION ELEMENT 2 SLIP DETECTED-

NAME	VALUE	UNITS
DTC	07 9B 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	
Occurrence flag	Occurrence	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	True	
Brake Switch Status	Not Applied	
Ignition State	Reserved	
PRND Position Display	P	
Propulsion System Active	False	
HCP ePT Wake-Up Output	On	
CBC Wake-Up Input	Off	
HCP System Shutdown Command	Default	
SW Build Release Version	PIMC19A1807p0_1807A_RU_H	
HCP SW Version	1807A	
EPT LOC Diag Enable	Enable LOC Diagnostic	
HV Contactor Status	Open	
APM Status	Idle	
Impact Event	False	
OBCM Operating Mode	UTC	
J1772 Prox Detected State	Prox Out	
Hybrid System State	SNA	
PHEV Charging Status	No Charging	
Frequency Counter	1	
Most Recent Odometer Value	6189.7	miles
Original Odometer Value	6189.7	miles
RAM stamps keyOn	75	sec
Ignition Cycle Counter	0	
Accelerator Pedal Position	0	%
RAM Stamps	2381	Min
HV Battery SOC	26	%
Engine Speed	0	rpm
Real time clock	35599904	sec
Motor A Temp Sensor	41	°F
Vehicle Speed	0.0000	MPH
Barometric Pressure	15	PSI
Internal EPS Voltage Sense A	0.000	Volts
Motor B Temp Sensor	41	°F
Engine Coolant Temperature	37	°F
Internal EPS Voltage Sense B	0.000	Volts
Motor A Torque	0.000	Ft-Lbs
Motor B Torque	0.000	Ft-Lbs
Available Regen Torque - Motor A	-0.461	Ft-Lbs
Actual Torque - Motor A	0.000	Ft-Lbs

Actual Torque - Motor B	0.000	Ft-Lbs
Available Motor Torque - Motor B	0.000	Ft-Lbs
Available Motor Torque - Motor A	0.461	Ft-Lbs
Commanded Torque - Motor B	0.000	Ft-Lbs
Available Regen Torque - Motor B	0.000	Ft-Lbs
Commanded Torque - Motor A	0.000	Ft-Lbs
Motor A - Inverter Current - phase A	-4	AMP
Motor A - Inverter Current - phase C	0	AMP
Motor B - Inverter Current - phase A	0	AMP
Motor A - Inverter Current - phase B	-4	AMP
Motor B - Inverter Current - phase B	0	AMP
Motor B - Inverter Current - phase C	-4	AMP
Motor B Resolver Angle	138	Degree
Electric Motor A Speed	0.0	rpm
Motor A Resolver Angle	196	Degree
PIM DC Link Voltage - A	0	Volts
Electric Motor B Speed	13474.0	rpm
HV Battery Voltage from BPCM	180.00	Volts
PIM DC Link Voltage - B	2	Volts
Outside Air Temperature	42.8	°F
HV Battery Sleep Time	0	Days
Battery Feed Voltage 1 Sense	12.384	Volts
Inverter A IGBT Temperature for phase A	32	°F
Battery Feed Voltage 2 Sense	12.384	Volts
Battery Feed Voltage 3 Sense	12.168	Volts
Inverter A IGBT Temperature for phase C	32	°F
Inverter A IGBT Temperature for phase B	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
GPS Date - Month	1	
GPS Date - Year	0	Year
Distance Travelled with Light ON	0	miles
GPS Date - Day	1	Days
UTC Time - Minutes	0	
UTC Time - Hours	0	Hours
ECU Time - Milliseconds	0	ms
UTC Time - Seconds	0	seconds

HCP | P0A45-00 | ACTIVE | DRIVE MOTOR B POSITION SENSOR 1 CIRCUIT

NAME	VALUE	UNITS
DTC	0A 45 00	
Test Failed	True	
Test Failed This Operation Cycle	True	

Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	True	
Occurrence flag	Occurrence	
Brake Switch Status	Not Applied	
PHEV Charging Status	No Charging	
Ignition State	Reserved	
Propulsion System Active	False	
PRND Position Display	P	
Motor A Resolver Offset Learn Erase	not requested	
Motor B Resolver Offset Learning Status Flag	Applied	
Motor A Resolver Offset Learning Status Flag	Applied	
Motor B Resolver to Digital Low Level Driver Faults	Resolver Loss of Signal	
Motor A Resolver to Digital Low Level Driver Faults	No fault	
Hybrid System State	SNA	
HCP ePT Wake-Up Output	On	
CBC Wake-Up Input	Off	
EPT LOC Diag Enable	Enable LOC Diagnostic	
HV Contactor Status	Open	
APM Status	Idle	
Impact Event	False	
HCP System Shutdown Command	Default	
OBCM Operating Mode	UTC	
J1772 Prox Detected State	Prox Out	
Motor B Resolver Offset Learn Erase	not requested	
Original Odometer Value	6189.7	miles
Most Recent Odometer Value	6189.7	miles
Frequency Counter	1	
Real time clock	35599904	sec
RAM stamps keyOn	75	sec
Ignition Cycle Counter	0	
Accelerator Pedal Position	0	%
RAM Stamps	2381	Min
Engine Speed	0	rpm
HV Battery SOC	26	%
Vehicle Speed	0.0000	MPH
Motor A Temp Sensor	41	°F
Barometric Pressure	15	PSI
Motor B Temp Sensor	41	°F
Engine Coolant Temperature	37	°F
Motor B Resolver Angle Offset	3.20	Degree

Motor A Resolver Angle Offset	2.00	Degree
Motor A Resolver Supply Voltage Value	03FD	Volts
Motor B Resolver Supply Voltage Value	03FD	Volts
Battery Feed Voltage 2 Sense	12.384	Volts
Internal EPS Voltage Sense A	0.000	Volts
Internal EPS Voltage Sense B	0.000	Volts
Actual Torque - Motor A	0.000	Ft-Lbs
Actual Torque - Motor B	0.000	Ft-Lbs
Available Motor Torque - Motor A	1.014	Ft-Lbs
Available Motor Torque - Motor B	1.291	Ft-Lbs
Available Regen Torque - Motor A	-1.014	Ft-Lbs
Available Regen Torque - Motor B	-1.291	Ft-Lbs
Commanded Torque - Motor A	0.000	Ft-Lbs
Commanded Torque - Motor B	0.000	Ft-Lbs
Electric Motor A Speed	0.0	rpm
Electric Motor B Speed	13474.0	rpm
Battery Feed Voltage 1 Sense	12.384	Volts
Battery Feed Voltage 3 Sense	12.168	Volts
Motor A - Inverter Current - phase A	-4	AMP
Motor A - Inverter Current - phase B	-4	AMP
Motor A - Inverter Current - phase C	-4	AMP
Motor B - Inverter Current - phase A	-4	AMP
Motor B - Inverter Current - phase B	-4	AMP
Motor B - Inverter Current - phase C	-4	AMP
Motor A Resolver Angle	196	Degree
Motor B Resolver Angle	Invalid Value	Degree
Outside Air Temperature	42.8	°F
HV Battery Voltage from BPCM	180.00	Volts
PIM DC Link Voltage - A	0	Volts
Inverter A IGBT Temperature for phase A	39	°F
PIM DC Link Voltage - B	2	Volts
Inverter A IGBT Temperature for phase B	39	°F
Inverter A IGBT Temperature for phase C	39	°F
Inverter B IGBT Temperature for phase A	39	°F
Inverter B IGBT Temperature for phase B	41	°F
Inverter B IGBT Temperature for phase C	39	°F
Distance Travelled with Light ON	0	miles
Motor A Torque	0.000	Ft-Lbs
Motor B Torque	0.000	Ft-Lbs
HV Battery Sleep Time	0	Days
Motor A Resolver Angle	196	Degree
Motor B Resolver Angle	Invalid Value	Degree
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 | P0A4A-00 | ACTIVE | DRIVE MOTOR B POSITION SENSOR 1 CIRCUIT OVERSPEED-

NAME	VALUE	UNITS
DTC	0A 4A 00	
Test Failed	True	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Confirmed DTC	False	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
Occurrence flag		
Brake Switch Status		
PHEV Charging Status		
Ignition State		
PRND Position Display		
Propulsion System Active		
Motor A Resolver Offset Learn Erase		
Motor A Resolver Offset Learning Status Flag		
Motor B Resolver Offset Learning Status Flag		
Motor A Resolver to Digital Low Level Driver Faults		
Motor B Resolver to Digital Low Level Driver Faults		
Hybrid System State		
HCP ePT Wake-Up Output		
CBC Wake-Up Input		
EPT LOC Diag Enable		
HV Contactor Status		
APM Status		
Impact Event		
HCP System Shutdown Command		
J1772 Prox Detected State		
OBCM Operating Mode		
Motor B Resolver Offset Learn Erase		
Original Odometer Value		miles
Most Recent Odometer Value		miles
Frequency Counter		
Ignition Cycle Counter		
Real time clock		sec

RAM stamps keyOn		sec
RAM Stamps		Min
Accelerator Pedal Position		%
Engine Speed		rpm
HV Battery SOC		%
Vehicle Speed		MPH
Motor B Temp Sensor		°F
Motor A Temp Sensor		°F
Barometric Pressure		PSI
Engine Coolant Temperature		°F
Motor A Resolver Angle Offset		Degree
Motor B Resolver Angle Offset		Degree
Motor A Resolver Supply Voltage Value		Volts
Motor B Resolver Supply Voltage Value		Volts
Battery Feed Voltage 2 Sense		Volts
Internal EPS Voltage Sense A		Volts
Internal EPS Voltage Sense B		Volts
Actual Torque - Motor A		Ft-Lbs
Available Motor Torque - Motor A		Ft-Lbs
Actual Torque - Motor B		Ft-Lbs
Available Regen Torque - Motor A		Ft-Lbs
Available Motor Torque - Motor B		Ft-Lbs
Available Regen Torque - Motor B		Ft-Lbs
Commanded Torque - Motor A		Ft-Lbs
Commanded Torque - Motor B		Ft-Lbs
Electric Motor A Speed		rpm
Electric Motor B Speed		rpm
Battery Feed Voltage 1 Sense		Volts
Battery Feed Voltage 3 Sense		Volts
Motor A - Inverter Current - phase A		AMP
Motor A - Inverter Current - phase B		AMP
Motor B - Inverter Current - phase A		AMP
Motor A - Inverter Current - phase C		AMP
Motor B - Inverter Current - phase C		AMP
Motor B - Inverter Current - phase B		AMP
Motor A Resolver Angle		Degree
Motor B Resolver Angle		Degree
Outside Air Temperature		°F
HV Battery Voltage from BPCM		Volts
PIM DC Link Voltage - A		Volts
PIM DC Link Voltage - B		Volts
Inverter A IGBT Temperature for phase A		°F
Inverter A IGBT Temperature for phase B		°F
Inverter A IGBT Temperature for phase C		°F

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

HCP | P0A78-00 | 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	
Brake Switch Status	Not Applied	
PHEV Charging Status	No Charging	
Ignition State	Reserved	
Propulsion System Active	False	
PRND Position Display	P	
Motor A Phase U Cross Conduction Fault - High-Side	False	
Motor A Phase U Over Current Fault - High-Side	False	
Motor A Phase U Short Fault - High-Side	False	
Motor A Phase U Thermal Warning Fault - High-Side	False	
Motor A Phase U Comm Error High Voltage Regulator Fault - High-Side	False	
Motor A Phase U Thermal Shutdown Fault - High-Side	False	
Motor A Phase U Comm Error Low Voltage Regulator Fault - High-Side	False	
Motor A Phase U Hardware Error Fault - High-Side	True	
Motor A Phase U SPI 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	True	
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	False	
Motor A Phase V Comm Error Low Voltage Regulator Fault - High-Side	False	
Motor A Phase V SPI Error Fault - High-Side	True	
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 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 V SPI Error Fault - Low-Side	True	
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	False	
Motor A Phase W SPI Error Fault - High-Side	True	
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	False	
Motor A Phase W SPI Error Fault - Low-Side	True	
Motor A Phase W Hardware Error Fault - Low-Side	True	
Hybrid System State	SNA	
HV Contactor Status	Open	
Inverter B Status Feedback	Inverter Faulted	
HCP ePT Wake-Up Output	On	
CBC Wake-Up Input	Off	
EPT LOC Diag Enable	Enable LOC Diagnostic	
APM Status	Idle	

Impact Event	False	
HCP System Shutdown Command	Default	
OBCM Operating Mode	UTC	
J1772 Prox Detected State	Prox Out	
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 Under Voltage Fault VL - Low-Side	False	
Motor A Phase U Over 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	False	
Motor A Phase U Comm Error Low Voltage Regulator Fault - Low-Side	False	
Motor A Phase V Over Voltage Fault VH - High-Side	False	
Motor A Phase V Under Voltage Fault VH - High-Side	False	
Motor A Phase 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	False	
Motor A Phase V Over Voltage Fault VL - Low-Side	False	
Motor A Phase V Over Voltage Fault VDD - Low-Side	False	
Motor A Phase V Under Voltage Fault VL - 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	False	
Motor A Phase V Comm Error Low Voltage Regulator Fault - Low-Side	False	
Motor A Phase W Cross Conduction Fault - High-Side	False	
Motor A Phase W Over Voltage Fault VH - High-Side	False	
Motor A Phase 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 Under Voltage Fault VDD - High-Side	False	
Motor A Phase W Over Voltage Fault VDD - High-Side	False	
Motor A Phase W Comm Error High Voltage Regulator Fault - High-Side	False	
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	False	
Inverter A Status Feedback	Inverter Faulted	
Original Odometer Value	6189.7	miles
Frequency Counter	1	
Most Recent Odometer Value	6189.7	miles
Ignition Cycle Counter	0	
Real time clock	35599904	sec
RAM stamps keyOn	75	sec
RAM Stamps	2381	Min
Accelerator Pedal Position	0	%
Engine Speed	0	rpm
HV Battery SOC	26	%
Vehicle Speed	0.0000	MPH
Barometric Pressure	15	PSI
Engine Coolant Temperature	37	°F
Actual Torque - Motor A	0.000	Ft-Lbs
Inverter A Input DC Current	0.0	AMP
Electric Motor A Speed	0.0	rpm
Available Motor Torque - Motor A	0.000	Ft-Lbs
Motor A - Inverter Current - phase A	-4	AMP
Motor A - Inverter Current - phase C	0	AMP
Motor A - Inverter Current - phase B	-4	AMP
Motor A Resolver Supply Voltage Value	03FD	Volts
Battery Feed Voltage 2 Sense	12.384	Volts
Battery Feed Voltage 3 Sense	12.168	Volts
Internal EPS Voltage Sense A	0.000	Volts
Internal EPS Voltage Sense B	0.000	Volts
PIM DC Link Voltage - A	0	Volts
PIM DC Link Voltage - B	2	Volts
Passive Pump Coolant Temp In Sensor	41	°F
Low Temp Active Pump Speed	0	rpm
High Temp Aux Pump - Actual Speed	0	rpm
Outside Air Temperature	42.8	°F
Battery Feed Voltage 1 Sense	12.384	Volts
Available Motor Torque - Motor B	0.000	Ft-Lbs
Available Regen Torque - Motor A	0.000	Ft-Lbs
Available Regen Torque - Motor B	0.000	Ft-Lbs
Actual Torque - Motor B	0.000	Ft-Lbs
Commanded Torque - Motor A	0.000	Ft-Lbs
Commanded Torque - Motor B	0.000	Ft-Lbs

Motor B - Inverter Current - phase A	-4	AMP
Motor B - Inverter Current - phase B	-4	AMP
Motor B - Inverter Current - phase C	-4	AMP
Motor A Resolver Angle	196	Degree
Motor B Resolver Angle	Invalid Value	Degree
Motor A Temp Sensor	41	°F
Motor B Temp Sensor	41	°F
HV Battery Voltage from BPCM	180.00	Volts
Electric Motor B Speed	13474.0	rpm
Inverter A IGBT Temperature for phase A	39	°F
Inverter A IGBT Temperature for phase B	39	°F
Inverter A IGBT Temperature for phase C	39	°F
Inverter B IGBT Temperature for phase A	39	°F
Inverter B IGBT Temperature for phase B	39	°F
Inverter B IGBT Temperature for phase C	39	°F
Distance Travelled with Light ON	0	miles
Motor A Torque	0.000	Ft-Lbs
Motor B Torque	0.000	Ft-Lbs
HV Battery Sleep Time	0	Days
Motor A Resolver Angle	196	Degree
Motor A Temp Sensor	41	°F
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 | P0A79-00 | ACTIVE | DRIVE MOTOR B INVERTER PERFORMANCE-

NAME	VALUE	UNITS
DTC	0A 79 00	
Test Failed	True	
Pending DTC	True	
Test Failed This Operation Cycle	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Warning Indicator Requested	True	
Test Not Completed This Operation Cycle	False	
Occurrence flag	Occurrence	
Brake Switch Status	Not Applied	
PHEV Charging Status	No Charging	
Ignition State	Reserved	

PRND Position Display	P	
Propulsion System Active	False	
Commanded Inverter B State	Inverter Disabled	
Inverter B Status Feedback	Inverter Faulted	
Motor B Phase U Short Fault - High-Side	False	
Motor B Phase U Thermal Warning Fault - High-Side	True	
Motor B Phase U Cross Conduction Fault - High-Side	False	
Motor B Phase U Thermal Shutdown Fault - High-Side	True	
Motor B Phase U Comm Error High Voltage Regulator Fault - High-Side	False	
Motor B Phase U Hardware Error Fault - High-Side	False	
Motor B Phase U SPI Error Fault - High-Side	False	
Motor B Phase U Short Fault - Low-Side	False	
Motor B Phase U Cross Conduction Fault - Low-Side	False	
Motor B Phase U Thermal Warning Fault - Low-Side	True	
Motor B Phase U Over Current Fault - Low-Side	False	
Motor B Phase U Thermal Shutdown Fault - Low-Side	True	
Motor B Phase U Comm Error High Voltage Regulator Fault - Low-Side	False	
Motor B Phase U Comm Error Low Voltage Regulator Fault - Low-Side	True	
Motor B Phase U SPI Error Fault - Low-Side	False	
Motor B Phase U Hardware Error Fault - Low-Side	False	
Motor B Phase V Cross Conduction Fault - High-Side	False	
Motor B Phase V Short Fault - High-Side	False	
Motor B Phase V Over Current Fault - High-Side	False	
Motor B Phase V Thermal Warning Fault - High-Side	True	
Motor B Phase V Thermal Shutdown Fault - High-Side	True	
Motor B Phase V Comm Error Low Voltage Regulator Fault - High-Side	True	
Motor B Phase V Comm Error High Voltage Regulator Fault - High-Side	False	
Motor B Phase V SPI Error Fault - High-Side	False	
Motor B Phase V Hardware Error Fault - High-Side	False	
Motor B Phase V Short Fault - Low-Side	False	
Motor B Phase V Over Current Fault - Low-Side	False	
Motor B Phase V Cross Conduction Fault - Low-Side	False	
Motor B Phase V Thermal Warning Fault - Low-Side	True	
Motor B Phase V Thermal Shutdown Fault - Low-Side	True	
Motor B Phase V Comm Error High Voltage Regulator Fault - Low-Side	False	
Motor B Phase V Comm Error Low Voltage Regulator Fault - Low-Side	True	
Motor B Phase V SPI Error Fault - Low-Side	False	
Motor B Phase V Hardware Error Fault - Low-Side	False	
Motor B Phase W Short Fault - High-Side	False	
Motor B Phase W Cross Conduction Fault - High-Side	False	
Motor B Phase W Thermal Warning Fault - High-Side	True	
Motor B Phase W Over Current Fault - High-Side	False	
Motor B Phase W Comm Error High Voltage Regulator Fault - High-Side	False	
Motor B Phase W Comm Error Low Voltage Regulator Fault - High-Side	True	

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

Motor B Phase V Under Voltage Fault VL - Low-Side	False	
Motor B Phase V Over Voltage Fault VDD - Low-Side	False	
Motor B Phase V Under Voltage Fault VDD - Low-Side	False	
Motor B Phase W Over Voltage Fault VH - High-Side	False	
Motor B Phase W Under Voltage Fault VH - High-Side	True	
Motor B Phase W Over Voltage Fault VL - High-Side	False	
Motor B Phase W Over Voltage Fault VDD - High-Side	False	
Motor B Phase W Under Voltage Fault VL - High-Side	False	
Motor B Phase W Under Voltage Fault VDD - High-Side	False	
Motor B Phase W Thermal Shutdown Fault - High-Side	True	
Motor B Phase W Over Voltage Fault VH - Low-Side	False	
Motor B Phase W Under Voltage Fault VH - Low-Side	True	
Motor B Phase W Over Voltage Fault VL - Low-Side	False	
Motor B Phase W Under Voltage Fault VL - Low-Side	False	
Motor B Phase W Over Voltage Fault VDD - Low-Side	False	
Motor B Phase W Under Voltage Fault VDD - Low-Side	False	
Original Odometer Value	6189.7	miles
Frequency Counter	1	
Most Recent Odometer Value	6189.7	miles
Ignition Cycle Counter	0	
Real time clock	35599904	sec
RAM Stamps	2381	Min
RAM stamps keyOn	75	sec
Accelerator Pedal Position	0	%
Engine Speed	0	rpm
HV Battery SOC	26	%
Vehicle Speed	0.0000	MPH
Barometric Pressure	15	PSI
Engine Coolant Temperature	37	°F
Actual Torque - Motor B	0.000	Ft-Lbs
Available Motor Torque - Motor B	0.000	Ft-Lbs
Inverter B Input DC Current	0.0	AMP
Motor B - Inverter Current - phase A	0	AMP
Electric Motor B Speed	13474.0	rpm
Motor B - Inverter Current - phase C	-4	AMP
Motor B - Inverter Current - phase B	-4	AMP
Motor B Resolver Supply Voltage Value	03FD	Volts
Battery Feed Voltage 2 Sense	12.384	Volts
Internal EPS Voltage Sense A	0.000	Volts
Internal EPS Voltage Sense B	0.000	Volts
Battery Feed Voltage 1 Sense	12.384	Volts
Battery Feed Voltage 3 Sense	12.168	Volts
Actual Torque - Motor A	0.000	Ft-Lbs
Available Motor Torque - Motor A	0.000	Ft-Lbs

Available Regen Torque - Motor A	0.000	Ft-Lbs
Available Regen Torque - Motor B	0.000	Ft-Lbs
Commanded Torque - Motor A	0.000	Ft-Lbs
Commanded Torque - Motor B	0.000	Ft-Lbs
Motor A - Inverter Current - phase A	-4	AMP
Motor A - Inverter Current - phase B	-4	AMP
Motor A - Inverter Current - phase C	0	AMP
Motor A Resolver Angle	196	Degree
Motor B Resolver Angle	Invalid Value	Degree
Motor A Temp Sensor	41	°F
Motor B Temp Sensor	41	°F
Outside Air Temperature	42.8	°F
HV Battery Voltage from BPCM	180.00	Volts
PIM DC Link Voltage - A	0	Volts
Electric Motor A Speed	0.0	rpm
PIM DC Link Voltage - B	2	Volts
Inverter A IGBT Temperature for phase A	39	°F
Inverter A IGBT Temperature for phase B	39	°F
Inverter A IGBT Temperature for phase C	39	°F
Inverter B IGBT Temperature for phase A	39	°F
Inverter B IGBT Temperature for phase B	39	°F
Inverter B IGBT Temperature for phase C	39	°F
Motor A Torque	0.000	Ft-Lbs
Distance Travelled with Light ON	0	miles
Motor B Torque	0.000	Ft-Lbs
Motor B Resolver Angle	Invalid Value	Degree
HV Battery Sleep Time	0	Days
GPS Date - Month	1	
GPS Date - Year	0	Year
Motor B Temp Sensor	41	°F
GPS Date - Day	1	Days
UTC Time - Hours	0	Hours
UTC Time - Minutes	0	
ECU Time - Milliseconds	0	ms
UTC Time - Seconds	0	seconds

HCP | P0C0E-00 | ACTIVE | DRIVE MOTOR B INVERTER POWER SUPPLY CIRCUIT/OPEN-

NAME	VALUE	UNITS
DTC	0C 0E 00	
Test Failed	True	
Pending DTC	True	
Test Failed This Operation Cycle	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	

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

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

Motor B Phase V Under Voltage Fault VH - High-Side	True	
Motor B Phase V Under Voltage Fault VL - High-Side	False	
Motor B Phase V Over Voltage Fault VDD - High-Side	False	
Motor B Phase V Under Voltage Fault VDD - High-Side	False	
Motor B Phase V Over Voltage Fault VH - Low-Side	False	
Motor B Phase V Over Voltage Fault VL - Low-Side	False	
Motor B Phase V Under Voltage Fault VH - Low-Side	True	
Motor B Phase V Under Voltage Fault VL - Low-Side	False	
Motor B Phase V Over Voltage Fault VDD - Low-Side	False	
Motor B Phase V Under Voltage Fault VDD - Low-Side	False	
Motor B Phase W Over Voltage Fault VH - High-Side	False	
Motor B Phase W Under Voltage Fault VH - High-Side	True	
Motor B Phase W Over Voltage Fault VL - High-Side	False	
Motor B Phase W Under Voltage Fault VL - High-Side	False	
Motor B Phase W Over Voltage Fault VDD - High-Side	False	
Motor B Phase W Under Voltage Fault VDD - High-Side	False	
Motor B Phase W Thermal Shutdown Fault - High-Side	True	
Motor B Phase W Over Voltage Fault VH - Low-Side	False	
Motor B Phase W Under Voltage Fault VH - Low-Side	True	
Motor B Phase W Over Voltage Fault VL - Low-Side	False	
Motor B Phase W Under Voltage Fault VL - Low-Side	False	
Motor B Phase W Over Voltage Fault VDD - Low-Side	False	
Motor B Phase W Under Voltage Fault VDD - Low-Side	False	
Original Odometer Value	6189.7	miles
Most Recent Odometer Value	6189.7	miles
Ignition Cycle Counter	0	
Frequency Counter	1	
Real time clock	35599904	sec
RAM stamps keyOn	75	sec
RAM Stamps	2381	Min
Accelerator Pedal Position	0	%
Engine Speed	0	rpm
HV Battery SOC	26	%
Barometric Pressure	15	PSI
Vehicle Speed	0.0000	MPH
Engine Coolant Temperature	37	°F
Actual Torque - Motor B	0.000	Ft-Lbs
Electric Motor B Speed	13474.0	rpm
Available Motor Torque - Motor B	5.715	Ft-Lbs
Inverter B Input DC Current	0.0	AMP
Motor B - Inverter Current - phase A	0	AMP
Motor B - Inverter Current - phase C	-4	AMP
Motor B Resolver Supply Voltage Value	03FD	Volts
Motor B - Inverter Current - phase B	0	AMP

Battery Feed Voltage 2 Sense	12.384	Volts
Internal EPS Voltage Sense A	0.000	Volts
Internal EPS Voltage Sense B	0.000	Volts
Battery Feed Voltage 3 Sense	12.168	Volts
Battery Feed Voltage 1 Sense	12.384	Volts
Actual Torque - Motor A	0.000	Ft-Lbs
Available Motor Torque - Motor A	5.439	Ft-Lbs
Available Regen Torque - Motor A	-5.439	Ft-Lbs
Commanded Torque - Motor A	0.000	Ft-Lbs
Available Regen Torque - Motor B	-5.715	Ft-Lbs
Commanded Torque - Motor B	0.000	Ft-Lbs
Motor A - Inverter Current - phase A	-4	AMP
Motor A - Inverter Current - phase C	-4	AMP
Motor A - Inverter Current - phase B	-4	AMP
Motor A Resolver Angle	196	Degree
Motor B Resolver Angle	Invalid Value	Degree
Motor B Temp Sensor	41	°F
Motor A Temp Sensor	41	°F
Outside Air Temperature	42.8	°F
HV Battery Voltage from BPCM	180.00	Volts
Electric Motor A Speed	0.0	rpm
PIM DC Link Voltage - A	0	Volts
Inverter A IGBT Temperature for phase A	39	°F
PIM DC Link Voltage - B	2	Volts
Inverter A IGBT Temperature for phase B	39	°F
Inverter A IGBT Temperature for phase C	39	°F
Inverter B IGBT Temperature for phase A	39	°F
Inverter B IGBT Temperature for phase B	39	°F
Inverter B IGBT Temperature for phase C	39	°F
Motor A Torque	0.000	Ft-Lbs
Distance Travelled with Light ON	0	miles
Motor B Torque	0.000	Ft-Lbs
Motor B Temp Sensor	41	°F
HV Battery Sleep Time	0	Days
Motor B Resolver Angle	Invalid Value	Degree
GPS Date - Year	0	Year
GPS Date - Month	1	
GPS Date - Day	1	Days
UTC Time - Hours	0	Hours
UTC Time - Minutes	0	
ECU Time - Milliseconds	0	ms
UTC Time - Seconds	0	seconds

HCP | P0C1A-00 | ACTIVE | DRIVE MOTOR B TORQUE DELIVERED PERFORMANCE-

--	--	--

NAME	VALUE	UNITS
DTC	0C 1A 00	
Test Failed	True	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Test Not Completed Since Last Clear	False	
Confirmed DTC	True	
Test Not Completed This Operation Cycle	False	
Test Failed Since Last Clear	True	
Warning Indicator Requested	True	
Occurrence flag	Occurrence	
Brake Switch Status	Not Applied	
PHEV Charging Status	No Charging	
Ignition State	Reserved	
PRND Position Display	P	
Propulsion System Active	False	
Commanded Inverter B State	Inverter Disabled	
Inverter B Status Feedback	Inverter Faulted	
Motor B Phase U Cross Conduction Fault - High-Side	False	
Motor B Phase U Short Fault - High-Side	False	
Motor B Phase U Thermal Shutdown Fault - High-Side	True	
Motor B Phase U Thermal Warning Fault - High-Side	True	
Motor B Phase U Comm Error High Voltage Regulator Fault - High-Side	False	
Motor B Phase U SPI Error Fault - High-Side	False	
Motor B Phase U Hardware Error Fault - High-Side	False	
Motor B Phase U Short Fault - Low-Side	False	
Motor B Phase U Over Current Fault - Low-Side	False	
Motor B Phase U Cross Conduction Fault - Low-Side	False	
Motor B Phase U Thermal Warning Fault - Low-Side	True	
Motor B Phase U Thermal Shutdown Fault - Low-Side	True	
Motor B Phase U Comm Error Low Voltage Regulator Fault - Low-Side	True	
Motor B Phase U Comm Error High Voltage Regulator Fault - Low-Side	False	
Motor B Phase U SPI Error Fault - Low-Side	False	
Motor B Phase V Short Fault - High-Side	False	
Motor B Phase U Hardware Error Fault - Low-Side	False	
Motor B Phase V Cross Conduction Fault - High-Side	False	
Motor B Phase V Over Current Fault - High-Side	False	
Motor B Phase V Thermal Shutdown Fault - High-Side	True	
Motor B Phase V Thermal Warning Fault - High-Side	True	
Motor B Phase V Comm Error High Voltage Regulator Fault - High-Side	False	
Motor B Phase V Comm Error Low Voltage Regulator Fault - High-Side	True	
Motor B Phase V SPI Error Fault - High-Side	False	
Motor B Phase V Short Fault - Low-Side	False	
Motor B Phase V Hardware Error Fault - High-Side	False	

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

Motor B Phase U Over Voltage Fault VL - Low-Side	False	
Motor B Phase U Under Voltage Fault VH - Low-Side	True	
Motor B Phase U Under Voltage Fault VL - Low-Side	False	
Motor B Phase U Over Voltage Fault VDD - Low-Side	False	
Motor B Phase U Under Voltage Fault VDD - Low-Side	False	
Motor B Phase V Over Voltage Fault VH - High-Side	False	
Motor B Phase V Under Voltage Fault VH - High-Side	True	
Motor B Phase V Over Voltage Fault VL - High-Side	False	
Motor B Phase V Under Voltage Fault VL - High-Side	False	
Motor B Phase V Over Voltage Fault VDD - High-Side	False	
Motor B Phase V Under Voltage Fault VDD - High-Side	False	
Motor B Phase V Over Voltage Fault VH - Low-Side	False	
Motor B Phase V Under Voltage Fault VH - Low-Side	True	
Motor B Phase V Over Voltage Fault VL - Low-Side	False	
Motor B Phase V Under Voltage Fault VL - Low-Side	False	
Motor B Phase V Over Voltage Fault VDD - Low-Side	False	
Motor B Phase V Under Voltage Fault VDD - Low-Side	False	
Motor B Phase W Over Voltage Fault VH - High-Side	False	
Motor B Phase W Under Voltage Fault VH - High-Side	True	
Motor B Phase W Over Voltage Fault VL - High-Side	False	
Motor B Phase W Under Voltage Fault VL - High-Side	False	
Motor B Phase W Over Voltage Fault VDD - High-Side	False	
Motor B Phase W Under Voltage Fault VDD - High-Side	False	
Motor B Phase W Thermal Shutdown Fault - High-Side	True	
Motor B Phase W Over Voltage Fault VH - Low-Side	False	
Motor B Phase W Under Voltage Fault VH - Low-Side	True	
Motor B Phase W Over Voltage Fault VL - Low-Side	False	
Motor B Phase W Under Voltage Fault VL - Low-Side	False	
Motor B Phase W Over Voltage Fault VDD - Low-Side	False	
Motor B Phase W Under Voltage Fault VDD - Low-Side	False	
Original Odometer Value	6189.7	miles
Most Recent Odometer Value	6189.7	miles
Ignition Cycle Counter	0	
Frequency Counter	1	
Real time clock	35599904	sec
RAM stamps keyOn	75	sec
RAM Stamps	2381	Min
Accelerator Pedal Position	0	%
Engine Speed	0	rpm
HV Battery SOC	26	%
Vehicle Speed	0.0000	MPH
Barometric Pressure	15	PSI
Engine Coolant Temperature	37	°F
Actual Torque - Motor B	0.000	Ft-Lbs

Available Motor Torque - Motor B	2.120	Ft-Lbs
Inverter B Input DC Current	0.0	AMP
Electric Motor B Speed	13474.0	rpm
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 Supply Voltage Value	03FD	Volts
Battery Feed Voltage 2 Sense	12.384	Volts
Internal EPS Voltage Sense A	0.000	Volts
Internal EPS Voltage Sense B	0.000	Volts
Actual Torque - Motor A	0.000	Ft-Lbs
Battery Feed Voltage 1 Sense	12.384	Volts
Battery Feed Voltage 3 Sense	12.168	Volts
Available Motor Torque - Motor A	1.936	Ft-Lbs
Available Regen Torque - Motor A	-1.936	Ft-Lbs
Available Regen Torque - Motor B	-2.120	Ft-Lbs
Commanded Torque - Motor A	0.000	Ft-Lbs
Commanded Torque - Motor B	0.000	Ft-Lbs
Motor A - Inverter Current - phase A	-4	AMP
Motor A - Inverter Current - phase B	-4	AMP
Motor A - Inverter Current - phase C	-4	AMP
Motor A Resolver Angle	196	Degree
Motor B Resolver Angle	Invalid Value	Degree
Motor A Temp Sensor	41	°F
Motor B Temp Sensor	41	°F
Outside Air Temperature	42.8	°F
Electric Motor A Speed	0.0	rpm
HV Battery Voltage from BPCM	180.00	Volts
PIM DC Link Voltage - A	0	Volts
PIM DC Link Voltage - B	2	Volts
Inverter A IGBT Temperature for phase A	39	°F
Inverter A IGBT Temperature for phase C	39	°F
Inverter A IGBT Temperature for phase B	39	°F
Inverter B IGBT Temperature for phase A	39	°F
Inverter B IGBT Temperature for phase B	39	°F
Inverter B IGBT Temperature for phase C	39	°F
Distance Travelled with Light ON	0	miles
Motor A Torque	0.000	Ft-Lbs
Motor B Torque	0.000	Ft-Lbs
Motor B Resolver Angle	Invalid Value	Degree
HV Battery Sleep Time	0	Days
Motor B Temp Sensor	41	°F
GPS Date - Month	1	
GPS Date - Year	0	Year

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 | ACTIVE | MCPA HV BATTERY VOLTAGE SENSOR CIRCUIT PERFORMANCE-

NAME	VALUE	UNITS
DTC	1A EC 00	
Test Failed	True	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Confirmed DTC	False	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
Occurrence flag		
Brake Switch Status		
PHEV Charging Status		
Ignition State		
PRND Position Display		
Propulsion System Active		
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 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 V Thermal Shutdown Fault - Low-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 Comm Error Low Voltage Regulator Fault - Low-Side		
Motor A Phase W Thermal Shutdown Fault - Low-Side		
Motor A Phase W SPI Error Fault - Low-Side		
Motor A Phase W Hardware Error Fault - Low-Side		
Hybrid System State		
HV Contactor Status		
Inverter B Status Feedback		
HCP ePT Wake-Up Output		
CBC Wake-Up Input		
EPT LOC Diag Enable		
APM Status		
Impact Event		
HCP System Shutdown Command		
OBCM Operating Mode		
J1772 Prox Detected State		
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 Under Voltage Fault VL - Low-Side		
Motor A Phase U Over 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 Under Voltage Fault VL - Low-Side		
Motor A Phase V Over 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		
Original Odometer Value		miles
Most Recent Odometer Value		miles
Frequency Counter		
Ignition Cycle Counter		
Real time clock		sec

RAM stamps keyOn		sec
Accelerator Pedal Position		%
RAM Stamps		Min
Engine Speed		rpm
HV Battery SOC		%
Vehicle Speed		MPH
Barometric Pressure		PSI
Engine Coolant Temperature		°F
Available Motor Torque - Motor A		Ft-Lbs
Actual 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 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
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
Actual Torque - Motor B		Ft-Lbs
Battery Feed Voltage 1 Sense		Volts
Available Motor Torque - Motor B		Ft-Lbs
Available Regen Torque - Motor A		Ft-Lbs
Commanded Torque - Motor A		Ft-Lbs
Available Regen Torque - Motor B		Ft-Lbs
Commanded Torque - Motor B		Ft-Lbs
Motor 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
Motor A Temp Sensor		°F
Motor B Temp Sensor		°F
Electric Motor B Speed		rpm
HV Battery Voltage from BPCM		Volts
Inverter A IGBT Temperature for phase A		°F
Inverter A IGBT Temperature for phase B		°F

Inverter A IGBT Temperature for phase C		°F
Inverter B IGBT Temperature for phase A		°F
Inverter B IGBT Temperature for phase C		°F
Inverter B IGBT Temperature for phase B		°F
Distance Travelled with Light ON		miles
Motor A Torque		Ft-Lbs
Motor B Torque		Ft-Lbs
HV Battery Sleep Time		Days
Motor A Resolver Angle		Degree
Motor A Temp Sensor		°F
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 | P1AEE-00 | ACTIVE | MCPA HV BATTERY SYSTEM VOLTAGE HIGH-

NAME	VALUE	UNITS
DTC	1A EE 00	
Test Failed	True	
Test Failed This Operation Cycle	True	
Confirmed DTC	True	
Pending DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	True	
Occurrence flag	Occurrence	
Brake Switch Status	Not Applied	
PHEV Charging Status	No Charging	
Ignition State	Reserved	
PRND Position Display	P	
Propulsion System Active	False	
Motor A Phase U Short Fault - High-Side	False	
Motor A Phase U Over Current Fault - High-Side	False	
Motor A Phase U Cross Conduction 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	False	
Motor A Phase U Comm Error Low Voltage Regulator Fault - High-Side	False	
Motor A Phase U SPI Error Fault - High-Side	True	
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	True	
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	False	
Motor A Phase V Comm Error Low Voltage Regulator Fault - High-Side	False	
Motor A Phase V SPI Error Fault - High-Side	True	
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 SPI Error Fault - Low-Side	True	
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 V Thermal Shutdown Fault - Low-Side	False	
Motor A Phase W Thermal Warning Fault - High-Side	False	
Motor A Phase W Thermal Shutdown Fault - High-Side	False	
Motor A Phase W Comm Error Low Voltage Regulator Fault - High-Side	False	
Motor A Phase W SPI Error Fault - High-Side	True	
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	False	
Motor A Phase W SPI Error Fault - Low-Side	True	
Motor A Phase W Hardware Error Fault - Low-Side	True	
Hybrid System State	SNA	
HV Contactor Status	Open	
Inverter B Status Feedback	Inverter Faulted	
HCP ePT Wake-Up Output	On	
CBC Wake-Up Input	Off	
EPT LOC Diag Enable	Enable LOC Diagnostic	

APM Status	Idle	
Impact Event	False	
HCP System Shutdown Command	Default	
OBCM Operating Mode	UTC	
J1772 Prox Detected State	Prox Out	
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 Under Voltage Fault VH - Low-Side	False	
Motor A Phase U Over 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	False	
Motor A Phase V Over Voltage Fault VH - High-Side	False	
Motor A Phase U Comm Error Low Voltage Regulator Fault - Low-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 Over Voltage Fault VL - Low-Side	False	
Motor A Phase V Under Voltage Fault VH - 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	False	
Motor A Phase V Comm Error Low Voltage Regulator Fault - Low-Side	False	
Motor A Phase W Cross Conduction Fault - High-Side	False	
Motor A Phase W Under Voltage Fault VH - High-Side	False	
Motor A Phase W Over 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	False	
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	False	
Inverter A Status Feedback	Inverter Faulted	
Original Odometer Value	6189.7	miles
Frequency Counter	1	
Most Recent Odometer Value	6189.7	miles
Ignition Cycle Counter	0	
Real time clock	35599904	sec
RAM stamps keyOn	75	sec
RAM Stamps	2381	Min
Accelerator Pedal Position	0	%
HV Battery SOC	26	%
Engine Speed	0	rpm
Vehicle Speed	0.0000	MPH
Barometric Pressure	15	PSI
Engine Coolant Temperature	37	°F
Actual 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	-4	AMP
Motor A - Inverter Current - phase B	-4	AMP
Motor A - Inverter Current - phase C	-4	AMP
Motor A Resolver Supply Voltage Value	03FD	Volts
Battery Feed Voltage 2 Sense	12.384	Volts
Battery Feed Voltage 3 Sense	12.168	Volts
Available Motor Torque - Motor A	0.000	Ft-Lbs
Internal EPS Voltage Sense A	0.000	Volts
Internal EPS Voltage Sense B	0.000	Volts
PIM DC Link Voltage - A	0	Volts
PIM DC Link Voltage - B	2	Volts
Passive Pump Coolant Temp In Sensor	41	°F
Low Temp Active Pump Speed	0	rpm
Outside Air Temperature	42.8	°F
High Temp Aux Pump - Actual Speed	0	rpm
Battery Feed Voltage 1 Sense	12.384	Volts
Actual Torque - Motor B	0.000	Ft-Lbs
Available Motor Torque - Motor B	0.000	Ft-Lbs
Available Regen Torque - Motor A	0.000	Ft-Lbs
Available Regen Torque - Motor B	0.000	Ft-Lbs
Commanded Torque - Motor B	0.000	Ft-Lbs

Commanded Torque - Motor A	0.000	Ft-Lbs
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	196	Degree
Motor B Resolver Angle	Invalid Value	Degree
Motor A Temp Sensor	41	°F
Motor B Temp Sensor	41	°F
HV Battery Voltage from BPCM	180.00	Volts
Electric Motor B Speed	13474.0	rpm
Inverter A IGBT Temperature for phase A	39	°F
Inverter A IGBT Temperature for phase B	39	°F
Inverter A IGBT Temperature for phase C	39	°F
Inverter B IGBT Temperature for phase A	39	°F
Inverter B IGBT Temperature for phase B	39	°F
Inverter B IGBT Temperature for phase C	39	°F
Distance Travelled with Light ON	0	miles
Motor A Torque	0.000	Ft-Lbs
Motor B Torque	0.000	Ft-Lbs
HV Battery Sleep Time	0	Days
Motor A Resolver Angle	196	Degree
GPS Date - Year	0	Year
Motor A Temp Sensor	41	°F
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 | P215B-00 | ACTIVE | VEHICLE SPEED - OUTPUT SHAFT SPEED CORRELATION-

NAME	VALUE	UNITS
DTC	21 5B 00	
Test Failed	True	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	True	
Occurrence flag	Occurrence	
Brake Switch Status	Not Applied	
Ignition State	Reserved	

Propulsion System Active	False	
PRND Position Display	P	
CBC Wake-Up Input	Off	
HCP ePT Wake-Up Output	On	
HCP System Shutdown Command	Default	
SW Build Release Version	PIMC19A1807p0_1807A_RU_H	
HCP SW Version	1807A	
EPT LOC Diag Enable	Enable LOC Diagnostic	
HV Contactor Status	Open	
APM Status	Idle	
Impact Event	False	
OBCM Operating Mode	UTC	
J1772 Prox Detected State	Prox Out	
Hybrid System State	SNA	
PHEV Charging Status	No Charging	
Most Recent Odometer Value	6189.7	miles
Frequency Counter	1	
Original Odometer Value	6189.7	miles
RAM Stamps	2381	Min
RAM stamps keyOn	75	sec
Accelerator Pedal Position	0	%
Engine Speed	0	rpm
Ignition Cycle Counter	0	
HV Battery SOC	26	%
Real time clock	35599904	sec
Motor B Temp Sensor	41	°F
Vehicle Speed	0.0000	MPH
Motor A Temp Sensor	41	°F
Barometric Pressure	15	PSI
Engine Coolant Temperature	37	°F
Motor A Torque	0.000	Ft-Lbs
Internal EPS Voltage Sense A	0.000	Volts
Internal EPS Voltage Sense B	0.000	Volts
Motor B Torque	0.000	Ft-Lbs
Actual Torque - Motor A	0.000	Ft-Lbs
Available Regen Torque - Motor A	-12.998	Ft-Lbs
Available Motor Torque - Motor A	12.998	Ft-Lbs
Actual Torque - Motor B	0.000	Ft-Lbs
Available Regen Torque - Motor B	-13.182	Ft-Lbs
Available Motor Torque - Motor B	13.182	Ft-Lbs
Commanded Torque - Motor B	0.000	Ft-Lbs
Commanded Torque - Motor A	0.000	Ft-Lbs
Motor A - Inverter Current - phase A	-4	AMP
Motor A - Inverter Current - phase C	0	AMP

Motor A - Inverter Current - phase B	-4	AMP
Motor B Resolver Angle	264	Degree
Motor B - Inverter Current - phase A	0	AMP
Motor B - Inverter Current - phase B	-4	AMP
Motor A Resolver Angle	196	Degree
Motor B - Inverter Current - phase C	-4	AMP
Electric Motor A Speed	0.0	rpm
Electric Motor B Speed	13474.0	rpm
PIM DC Link Voltage - A	0	Volts
PIM DC Link Voltage - B	2	Volts
HV Battery Voltage from BPCM	180.00	Volts
HV Battery Sleep Time	0	Days
Outside Air Temperature	42.8	°F
Battery Feed Voltage 1 Sense	12.384	Volts
Battery Feed Voltage 3 Sense	12.168	Volts
Battery Feed Voltage 2 Sense	12.384	Volts
Inverter A IGBT Temperature for phase A	39	°F
Inverter A IGBT Temperature for phase B	39	°F
Inverter B IGBT Temperature for phase A	39	°F
Inverter B IGBT Temperature for phase B	39	°F
Inverter A IGBT Temperature for phase C	39	°F
Inverter B IGBT Temperature for phase C	39	°F
Distance Travelled with Light ON	0	miles
GPS Date - Year	0	Year
GPS Date - Month	1	
GPS Date - Day	1	Days
UTC Time - Hours	0	Hours
UTC Time - Seconds	0	seconds
UTC Time - Minutes	0	
ECU Time - Milliseconds	0	ms

HCP | U0623-00 | ACTIVE | LOST COMMUNICATION WITH COOLANT PUMP "A"

NAME	VALUE	UNITS
DTC	C6 23 00	
Confirmed DTC	False	
Test Failed This Operation Cycle	True	
Test Failed	True	
Test Not Completed This Operation Cycle	False	
Pending DTC	True	
Warning Indicator Requested	False	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Occurrence flag		
PHEV Charging Status		

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

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

SNAPSHOT DATA SUMMARY



VEHICLE SCAN REPORT

Vehicle 2019 CHRYSLER PACIFICA 3.6L V6 HYBRID ENGINE
VIN 2C4RC1L7 [REDACTED]

Odometer 6189.7 miles
Publication Date Dec 24, 2019, 2:31:40 PM

ECU SUMMARY INFO

ECU	NAME	BUS TYPE	FLASH PART #	CURRENT	ORIGINAL	PART #
PCM	Powertrain Control Module	CAN-C	68416681AD	2C4RC1L7 [REDACTED]	2C4RC1L [REDACTED]	68416681AD
ICS	Integrated Center Stack	CAN-I	6EV301X8AB	2C4RC1L7 [REDACTED]	2C4RC1L [REDACTED]	6EV301X8AB
RFH	Radio Frequency Hub	CAN-C	68383680AB	2C4RC1L7 [REDACTED]	2C4RC1L [REDACTED]	68383680AB
ESM	Electronic Shifter	CAN-C	68240089AL	2C4RC1L7 [REDACTED]	2C4RC1L [REDACTED]	68240089AL
ORC	Occupant Restraint	CAN-C	68405567AB	2C4RC1L7 [REDACTED]	2C4RC1L [REDACTED]	68405567AB
EPS	Electric Power Steering	CAN-C	68416741AA	2C4RC1L7 [REDACTED]	2C4RC1L [REDACTED]	68416741AA
HVAC	Heat, Ventilation and A/C	CAN-I	68406613AA	2C4RC1L7 [REDACTED]	2C4RC1L [REDACTED]	68406613AA
DDM	Driver Door Module	CAN-I	68316561AD	2C4RC1L7 [REDACTED]	2C4RC1L [REDACTED]	68316561AD
PDM	Passenger Door Module	CAN-I	68316560AD	2C4RC1L7 [REDACTED]	2C4RC1L [REDACTED]	68316560AD
DMRL	Door Module Rear Left	CAN-I	68225096AG	2C4RC1L7 [REDACTED]	2C4RC1L [REDACTED]	68225096AG
DMRR	Door Module Rear Right	CAN-I	68225096AG	2C4RC1L7 [REDACTED]	2C4RC1L [REDACTED]	68225096AG
PSDML	Power Sliding Doors (Left)	CAN-I	68369596AB	2C4RC1L7 [REDACTED]	2C4RC1L [REDACTED]	68369596AB
PSDMR	Power Sliding Doors (Right)	CAN-I	68369596AB	2C4RC1L7 [REDACTED]	2C4RC1L [REDACTED]	68369596AB
PLGM	Power Liftgate	CAN-I	68316094AF	2C4RC1L7 [REDACTED]	2C4RC1L [REDACTED]	68316094AF
AMP	Amplifier	CAN-I	68338770AC	2C4RC1L7 [REDACTED]	2C4RC1L [REDACTED]	68338770AC
IPC	Instrument Panel Cluster	CAN-C	68405292AC	2C4RC1L7 [REDACTED]	2C4RC1L [REDACTED]	68405292AC
PTS	Parktronics	CAN-C	68193772AJ	2C4RC1L7 [REDACTED]	2C4RC1L [REDACTED]	68193772AJ
SCCM	Steering Column Control Module	CAN-C	68360889AC	2C4RC1L7 [REDACTED]	2C4RC1L [REDACTED]	68360889AC
BCM	Body Controller	CAN-C	68402177AB	2C4RC1L7 [REDACTED]	2C4RC1L [REDACTED]	68402177AB
HSM	Heated Seat Module	CAN-I	68414665AA	2C4RC1L7 [REDACTED]	2C4RC1L [REDACTED]	68414665AA
RADIO	Radio	CAN-I	68401442AB	2C4RC1 [REDACTED]	2C4RC1L [REDACTED]	68401442AB
OCM	Occupant Classification	CAN-C	68403127AA	2C4RC1L7 [REDACTED]	2C4RC1L [REDACTED]	68403127AA
HVACR	Heat, Ventilation and	CAN-I	68373079AB	2C4RC1L7 [REDACTED]	2C4RC1L [REDACTED]	68373079AB

A/C Rear							
LBSS	Left Blind Spot Sensor	CAN-I	04672786AB	2C4RC1L		2C4RC1L78	04672786AB
RBSS	Right Blind Spot Sensor	CAN-I	04672786AB	2C4RC1L		2C4RC1L78	04672786AB
APM	Accessory Power Module	CAN-C	05185046AB	2C4RC1L		2C4RC1L78	05185046AB
BPCM	Battery Pack Control Module	CAN-C	68429967AD	2C4RC1L		2C4RC1L78	68429967AD
HCP	Hybrid Control Processor	CAN-C	05190240AM	2C4RC1L		2C4RC1L78	05190240AM
OBCM	On Board Charging Module	CAN-C	05185047AD	2C4RC1L		2C4RC1L78	05185047AD
DSM	Display Screen Module	CAN-I	68316175AB	2C4RC1L		2C4RC1L78	68316175AB
RCCC	Rear Cabin Comfort Controls	CAN-I	68395990AA	2C4RC1L		2C4RC1L78	68395990AA
EAC	Electric A/C Compressor	CAN-C	68237995AG	2C4RC1L		2C4RC1L78	68237995AG
AHCP	Auxiliary Hybrid Control Processor	CAN-C	05190241AM	2C4RC1L		2C4RC1L78	05190241AM
EBBM	Electronic Brake Booster Module	CAN-C	68240033AJ	2C4RC1L		2C4RC1L78	68240033AJ
ABSO	Anti Lock Brakes OBD	CAN-C	68352786AA	2C4RC1L		2C4RC1L78	68352786AA
SGW	Security Gateway Module	CAN-C	68420261AA			2C4RC1L78	68420261AA

ECU SUMMARY INFO (CONT...)

ECU	COUNTRY CODE	HARDWARE VERSION	SOFTWARE VERSION	VARIANT	VERSION	ISO CODE	CVNS
PCM	USA	1B 47	91 04 01	44	59		C461C211
ICS	USA	0F 0C 00	11 16 00	44	00		
RFH	USA / USA	10 17 00	12 08 00	4A	00		
ESM	USA / USA	0F 24 00	12 02 FF	44	02		
ORC	USA / USA	11 1F 00	11 27 00	43	01		
EPS	USA / USA	12 02 03	11 15 01	45	02		
HVAC	USA	0E 09 00	11 29 01	44	01		
DDM	USA / USA	11 30 00	17 42 00	41	02		
PDM	USA	11 30 00	17 42 00	41	02		
DMRL	USA / USA	10 0B 00	12 0C 00	42	01		
DMRR	USA / USA	10 0B 00	12 0C 00	42	01		
PSDML	USA / USA	10 17 00	11 2D 10	40	01		
PSDMR	USA / USA	10 17 00	11 2D 10	40	01		
PLGM	USA	17 19 00	18 22 00	42	02		
AMP	USA	17 2A 01	12 0F 00	40	30		
IPC	USA / USA	12 0A 00	12 10 00	47	04		
PTS	USA	0E 32 00	12 1F 00	43	11		
SCCM	USA	0E 30 00	10 2B 00	43	01		
BCM	USA	0D 11 00	12 0B 90	44	15		

HSM	USA / USA	15 12 00	12 05 01	40	03		
RADIO	USA	12 21 24	12 21 24	82	05		
OCM	USA / USA	11 1F 01	0E 2F 02	40	30		
HVACR	USA	0E 09 00	10 03 02	43	01		
LBSS	USA / USA	11 30 02	12 0D 00	42	02		
RBSS	USA / USA	11 30 02	12 0D 00	42	02		
APM	USA / USA	11 32 00	11 32 00	40	01		
BPCM		0E 03 00	12 07 04	40	05		FEDBFE12
HCP	USA	11 1F 04	12 20 01	40	04		6C36848E 5412B2DD 31B4913E
OBCM	USA	0F 0D 00	11 2B 00	40	02		
DSM	USA / USA	11 16 00	11 15 00	40	00		
RCCC	USA	0F 1D 00	11 16 00	40	00		
EAC	USA	0E 34 00	12 0F 00	41	02		
AHCP	USA	11 1F 04	12 20 01	40	00		
EBBM	USA	0E 19 02	11 18 14	40	00		BBFD096B
ABSO	USA	0E 15 02	11 0B 16	42	01		A1B31723
SGW		5	564	41	02		

DTC SUMMARY

ECU	DTC CODE	DTC DESCRIPTION	STATUS
PCM	U140A	Implausible Right Front Wheel Speed Signal Received	Stored
PCM	U1409	Implausible Left Front Wheel Speed Signal Received	Stored
ESM	P0919-00	Gear Shift Position Control Error-	Stored
HVAC	B10EB-00	Blower Power Module-	Stored
PTS	U0415-00	Invalid Data Received from Anti-Lock Brake System (ABS) Control Module "A"-	Stored
RADIO	B280B-00	NTSC Video Input-	Stored
BPCM	P0A95-00	High Voltage Fuse "A"-	Active
BPCM	P0AA1-00	Hybrid/EV Battery Positive Contactor "A" Stuck Closed-	Active
HCP	P061B-00	Internal Control Module Torque Calculation Performance-	Active
HCP	P062C-00	Internal Control Module Vehicle Speed Performance-	Active
HCP	P0642-00	Sensor Reference Voltage 1 Circuit Low-	Active
HCP	P06B1-00	Sensor Power Supply 1 Circuit Low-	Active
HCP	P06B4-00	Sensor Power Supply 2 Circuit Low-	Active
HCP	P079B-00	Transmission Friction Element 2 Slip Detected-	Active
HCP	P0A3C-00	Drive Motor A Inverter Over Temperature-	Stored
HCP	P0A3D-00	Drive Motor B Inverter Over Temperature-	Stored
HCP	P0A45-00	Drive Motor B Position Sensor 1 Circuit-	Active
HCP	P0A4A-00	Drive Motor B Position Sensor 1 Circuit Overspeed-	Active
HCP	P0A78-00	Drive Motor A Inverter Performance-	Active
HCP	P0A79-00	Drive Motor B Inverter Performance-	Active
HCP	P0AFA-00	Hybrid/EV Battery System Voltage Low-	Active
HCP	P0C0B-00	Drive Motor A Inverter Power Supply Circuit/Open-	Stored
HCP	P0C0E-00	Drive Motor B Inverter Power Supply Circuit/Open-	Active

HCP	P0C11-00	Drive Motor A Inverter Phase U Over Temperature-	Stored
HCP	P0C14-00	Drive Motor B Inverter Phase U Over Temperature-	Stored
HCP	P0C1A-00	Drive Motor B Torque Delivered Performance-	Active
HCP	P16F9-00	HCP Internal - Shutdown Performance-	Stored
HCP	P1AEC-00	MCPA HV Battery Voltage Sensor Circuit Performance-	Active
HCP	P1AEE-00	MCPA HV Battery System Voltage High-	Active
HCP	P1E18-00	Internal Control Module Electronic Park Performance-	Stored
HCP	P26C3-00	Internal Control Module Electronic Shifter Performance-	Stored
HCP	U0415-00	Invalid Data Received from Anti-Lock Brake System (ABS) Control Module "A"-	Stored
HCP	U0623-00	Lost Communication with Coolant Pump "A"-	Active
HCP	U1852-00	Implausible Data Received from ABS on D-PT-	Stored
ABSO	C0501-00	Left Front Wheel Speed Sensor "A" Range/Performance-	Stored
ABSO	C0507-00	Right Front Wheel Speed Sensor "A" Range/Performance-	Stored

ENVIRONMENTAL DATA SUMMARY

PCM | U140A | STORED | IMPLAUSIBLE RIGHT FRONT WHEEL SPEED SIGNAL RECEIVED

NAME	VALUE	UNITS
DTC	D4 0A	
DTC Readiness Flag	Not Complete	
DTC Storage State	Stored	
Warning Indicator Request State	On	
Odometer	6172.0	miles
Number of DTC	1	
Accumulation Timer	2	minutes
Starts Since Set Counter	0	
Ignition Key Cycles	5	
Key Cycles Since DTC Last Set Counter	6	
Warm Up Cycles	0	
Good Trip Counter	0	

PCM | U1409 | STORED | IMPLAUSIBLE LEFT FRONT WHEEL SPEED SIGNAL RECEIVED

NAME	VALUE	UNITS
DTC	D4 09	
DTC Readiness Flag	Not Complete	
Warning Indicator Request State	On	
DTC Storage State	Stored	
Number of DTC	1	
Odometer	6172.0	miles
Starts Since Set Counter	0	
Accumulation Timer	2	minutes
Key Cycles Since DTC Last Set Counter	6	
Ignition Key Cycles	5	
Good Trip Counter	0	
Warm Up Cycles	0	

ESM | P0919-00 | STORED | GEAR SHIFT POSITION CONTROL ERROR-

NAME	VALUE	UNITS
Pending DTC	False	
Confirmed DTC	True	
Test Failed This Operation Cycle	False	
Test Failed	False	
DTC	09 19 00	
Test Failed Since Last Clear	True	
Warning Indicator Requested	False	
Occurrence flag	ERROR	
Test Not Completed This Operation Cycle	True	
Test Not Completed Since Last Clear	False	
Ignition Status	Ignition Start	
Fault Data	10 00	
Fault Data	01 00	
Fault Data	00 00	
Most Recent Odometer Value	6184	miles
Operating Voltage	11.8	Volts
Ignition Cycle Counter	3	
Original Odometer Value	6184	miles
Frequency Counter	1	
Operation Time	18135	Min

HVAC | B10EB-00 | STORED | BLOWER POWER MODULE-

NAME	VALUE	UNITS
Test Failed This Operation Cycle	True	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Test Failed	False	
Warning Indicator Requested	False	
Occurrence flag	ERROR	
Original Odometer Value	6184	miles
Frequency Counter	6	
Most Recent Odometer Value	6184	miles
Ignition Cycle Counter	3	

PTS | U0415-00 | STORED | INVALID DATA RECEIVED FROM ANTI-LOCK BRAKE SYSTEM (ABS) CONTROL MODULE "A"-

NAME	VALUE	UNITS
DTC	C4 15 00	
Test Failed	False	
Confirmed DTC	True	

Test Failed This Operation Cycle	False	
Pending DTC	False	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
DTC Extended Data Record Number - All	03	
Occurrence flag	Occurrence	
DC/DC Converter Voltage	02	Volt
Most Recent Odometer Value	6184	miles
Original Odometer Value	0	miles
Frequency Counter	1	

RADIO | B280B-00 | STORED | NTSC VIDEO INPUT-

NAME	VALUE	UNITS
DTCTable	A8 0B 00	
TestFailed	False	
Confirmed DTC	True	
Test Not Completed This Monitoring Cycle	False	
TestFailedThisMonitoringCycle	False	
Warning Indicator Requested	False	
Pending DTC	False	
DTCExtendedDataRecordNumber	FF	
Occurance Flag	Occurrence	
Reserved	Reserved	
RDI \$6080	60 80	
Event Counter	5F	
Ignition Counter	3	
Original Odometer Value	5398	miles
Frequency Counter	255	
Most Recent Odometer Value	6184	miles

BPCM | P0A95-00 | ACTIVE | HIGH VOLTAGE FUSE 'A'-

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

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	
ChargingLevel	Plug in, but no charge	
Plug in Status	Not plugged in	
Balance Mode	False	
Battery in Periodic wake up (Just battery) at time of Fault	False	
Battery in Periodic wake up (Wake up vehicle) at time of Fault	False	
HVIL Status -Vehicle	Not Sourced	
HVIL Status - Battery pack	PASS	
Pump - Wire Open\Short to Gnd	PASS	
Pump - Dry Run Detection	PASS	
Pump - Overcurrent	PASS	
Pump - Switch Power Shorted	PASS	
Pump - Overtemperature	PASS	
CVTN COMP ERR H	Latched	
CVTN COMP ERR L	Normal	
CVTN COMP FLT L	Normal	
CVTN COMP FLT H	Normal	
CVTN EDGE ERR L	Normal	
CVTN ABORT L	Normal	
CVTN ABORT H	Normal	
CVTN EDGE ERR H	Normal	
CVTN FRAM ERR	Normal	
CVTN CRC FAULT H	Normal	
CVTN STOP ERR	Normal	
CVTN CRC FAULT L	Normal	
CVTN SYS RESET	Normal	
CVTN STK FAULT ERR	Latched	
CVTN VDIG WAKE FAULT	Normal	
CVTN INT TEMP FAULT	Normal	
CVTN COMM TIMEOUT	Active	
CVTN VDIG FAULT	Normal	
CVTN VP FAULT	Normal	
CVTN VM FAULT	Normal	
CVTN FACT CKSUM ERR	Normal	
CVTN VP CLAMP	Normal	
CVTN HREF FAULT	Active	
CVTN ANALOG FAULT ERR	Normal	
CVTN ADC CAL ERR	Normal	

CVTN HREF GND FAULT	Latched	
CVTN CUST ECC ERR	SNA	
CVTN ACT ECC ERR	SNA	
CVTN CUST ECC COR	Active	
CVTN FACT ECC COR	SNA	
Fault trigger level 2	False	
Fault trigger level 1	False	
Fault trigger level 3	False	
Fault Path	01	
Key - DriveRdy (CAN)	True	
Battery Cell Highest Cell number	28	
Battery Cell Lowest Cell number	15	
Battery Temperature Highest Sensor number	03	
Battery Temperature Number of Failing Sensors	00	
Battery Temperature Lowest Sensor number	12	
HV Cooling Pump Relay Drive	Not Sourced	
Pump - Battery Coolant Level Low	False	
Isolation Vehicle Diagnostic Status	Run and Passed	
Isolation Battery Diagnostic Status	Run and Passed	
CVTN CUST CKSUM ERR	Normal	
Ignition Cycle Counter	0	
Frequency Counter	1	
Most Recent Odometer Value	6184	miles
Original Odometer Value	6184	miles
FoM - for this DTC (lifetime fails counts on pass)	2.9600	seconds
FoM - for this DTC (lifetime longest fail on pass)	1.120	seconds
FoM - for this DTC (lifetime fails)	133	events
Battery Total Time Awake	35346020	seconds
System (12) Volts at time of fault	11.998	Volts
Battery Lifetime Miles	84517A	miles
Vehicle mileage at time of fault (ODO signal in \$3D2)	6189.47	miles
Vehicle Speed	23.0	MPH
Battery Lifetime AmpHrs of Charge	4754.7	AHr
SOC at time of Fault	25.5	%
Battery Lifetime AmpHrs of DisCharge	4745.6	AHr
Power Up SOC at time of Fault	22.4	%
HVIL PWM Duty Cycle - Vehicle	0.0	%
HVIL PWM Frequency - Vehicle	0.0	Hz
HVIL PWM peak voltage Sourced - Vehicle	0.327	Volts
HVIL PWM peak voltage Sensed - Vehicle	0.290	Volts
HVIL Source Voltage- Battery	1.385	Volts
HVIL Returned current - Battery	30.40	mA
HV Battery Current Sensor 1 Hall High	-0.40	Amps
HV Battery Current Sensor 2 Hall Low	0.00	Amps

HV Cooling Speed Pump 1 Target	0	rpm
HV Battery Current HVBatCrnt	0.00	Amps
HV Cooling Speed pump 1 Speed	0	rpm
Charge indicator Temp	64	°F
BPCM temperature max	52	°F
BPCM temperature min	50	°F
Isolation Circuitry Va	2.496	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
Cycles left to self heal	40	No Unit
WC and Circuitry Weld Contactor Sensor G (Pack Negative) Voltage	-94.8	Volts
HV Battery Charge Power 2sec	87948	watts
HV Battery Charge Power 10sec	86346	watts
HV Battery Discharge Power 2sec	86019	watts
HV Battery Discharge Power 10sec	81312	watts
HV Battery Power	007530	watts
Battery Full AmpHr Capacity	48	AmpHrs
Battery Lifetime Number Of Closes	1590	
Cell Impedance Max Discharge	0	mOhms
Battery Cell Voltage Maximum	3588	mV
Cell Impedance Mim Discharge	0	mOhms
Battery Cell Voltage Average	3584	mV
Battery Cell Voltage Minimum	3578	mV
HV Battery Voltage (cell sum)	344.00	Volts
HV Battery Voltage (Module Sum)	343.70	Volts
HV Sensor A Pack Voltage	141.40	Volts
HV Sensor B Bus\Link (Pre-Fuse) Voltage	32.60	Volts
HV Sensor C OBCM (HVOBC Fuse) Voltage	29.30	Volts
HV Sensor G Weld Contactor(Pack Negative) Voltage	-94.8	Volts
HV Sensor D Heater (HVHTR Fuse) Voltage	34.00	Volts
Battery Temperature Maximum Module	52	°F
Battery Temperature Minimum Module	50	°F
Battery Temperature Average Module	52	°F
HV Cooling OBCM temp inlet Temp	52	°F
HV Cooling Battery coolant inlet temp	48	°F
HV Cooling Battery coolant outlet temp	48	°F
Isolation Vehicle Impedance	7.8063	Mega Ohms
Isolation Battery Impedance	0.8480	Mega Ohms

BPCM | P0AA1-00 | ACTIVE | HYBRID/EV BATTERY POSITIVE CONTACTOR 'A' STUCK CLOSED-

NAME	VALUE	UNITS
------	-------	-------

DTC	0A A1 00	
Test Failed	True	
Test Failed This Operation Cycle	False	
Pending DTC	True	
Test Failed Since Last Clear	True	
Test Not Completed Since Last Clear	False	
Confirmed DTC	True	
Test Not Completed This Operation Cycle	True	
Warning Indicator Requested	False	
Occurrence flag	ERROR	
Key in Ignition	Key_Def	
Key Position	Ign_ Run	
EPT -WakeUp	Sourced	
HCP Contactor Command	Open	
Qualified Contactor Command - QCC	Open	
Verified Contactor Command - VCC	Open	
Contactor Status	Open	
Plug in Status	Not plugged in	
ChargingLevel	Plug in, but no charge	
Balance Mode	False	
Battery in Periodic wake up (Just battery) at time of Fault	False	
Battery in Periodic wake up (Wake up vehicle) at time of Fault	False	
HVIL Status - Battery pack	PASS	
HVIL Status -Vehicle	Not Sourced	
Pump - Wire Open\Short to Gnd	PASS	
Pump - Dry Run Detection	PASS	
Pump - Overcurrent	PASS	
Pump - Overtemperature	PASS	
Pump - Switch Power Shorted	PASS	
CVTN COMP FLT H	Normal	
CVTN COMP ERR L	Normal	
CVTN COMP ERR H	Normal	
CVTN COMP FLT L	Normal	
CVTN EDGE ERR L	Normal	
CVTN ABORT H	Normal	
CVTN ABORT L	Normal	
CVTN EDGE ERR H	Normal	
CVTN CRC FAULT L	Normal	
CVTN CRC FAULT H	Normal	
CVTN SYS RESET	Normal	
CVTN STOP ERR	Normal	
CVTN STK FAULT ERR	Latched	
CVTN FRAM ERR	Normal	
CVTN VDIG WAKE FAULT	Normal	

CVTN INT TEMP FAULT	Normal	
CVTN COMM TIMEOUT	Active	
CVTN VM FAULT	Normal	
CVTN VDIG FAULT	Normal	
CVTN VP CLAMP	Normal	
CVTN VP FAULT	Normal	
CVTN ANALOG FAULT ERR	Normal	
CVTN FACT CKSUM ERR	Normal	
CVTN HREF GND FAULT	Normal	
CVTN HREF FAULT	Latched	
CVTN CUST ECC COR	Active	
CVTN ADC CAL ERR	Normal	
CVTN FACT ECC COR	SNA	
CVTN CUST ECC ERR	SNA	
CVTN ACT ECC ERR	SNA	
Fault trigger level 2	False	
Fault trigger level 1	False	
Fault Path	01	
Fault trigger level 3	False	
Key - DriveRdy (CAN)	True	
Battery Cell Highest Cell number	22	
Battery Cell Lowest Cell number	15	
Battery Temperature Lowest Sensor number	12	
Battery Temperature Highest Sensor number	03	
Battery Temperature Number of Failing Sensors	00	
HV Cooling Pump Relay Drive	Not Sourced	
Isolation Vehicle Diagnostic Status	Run and Passed	
Pump - Battery Coolant Level Low	False	
CVTN CUST CKSUM ERR	Normal	
Isolation Battery Diagnostic Status	Run and Passed	
Ignition Cycle Counter	0	
Most Recent Odometer Value	6184	miles
Original Odometer Value	6184	miles
Frequency Counter	1	
FoM - for this DTC (lifetime fails)	1	events
FoM - for this DTC (lifetime fails counts on pass)	0.0000	seconds
FoM - for this DTC (lifetime longest fail on pass)	0.000	seconds
Battery Total Time Awake	35346016	seconds
Vehicle mileage at time of fault (ODO signal in \$3D2)	6189.47	miles
Battery Lifetime AmpHrs of Charge	4754.7	AHr
Battery Lifetime Miles	84517A	miles
Vehicle Speed	24.0	MPH
System (12) Volts at time of fault	12.065	Volts
SOC at time of Fault	25.5	%

Battery Lifetime AmpHrs of DisCharge	4745.6	AHr
Power Up SOC at time of Fault	22.4	%
HVIL PWM Duty Cycle - Vehicle	50.2	%
HVIL PWM Frequency - Vehicle	88.0	Hz
HVIL PWM peak voltage Sensed - Vehicle	10.804	Volts
HVIL PWM peak voltage Sourced - Vehicle	10.877	Volts
HVIL Source Voltage- Battery	1.385	Volts
HV Battery Current Sensor 1 Hall High	-0.85	Amps
HVIL Returned current - Battery	30.60	mA
HV Battery Current Sensor 2 Hall Low	0.00	Amps
HV Battery Current HVBatCmt	0.00	Amps
HV Cooling Speed Pump 1 Target	0	rpm
HV Cooling Speed pump 1 Speed	0	rpm
Charge indicator Temp	64	°F
BPCM temperature max	52	°F
BPCM temperature min	50	°F
Isolation Circuitry Vb	2.501	Volts
Isolation Circuitry Va	2.496	Volts
Isolation Circuitry Vd	0.000	Volts
WC and Circuitry 2.5V Reference Voltage	2.501	Volts
WC and CircuitryISO 8V Reference Voltage	8.002	Volts
WC and Circuitry Vcc Voltage	5.007	Volts
WC and Circuitry Weld Contactor Sensor G (Pack Negative) Voltage	-110.4	Volts
Cycles left to self heal	40	No Unit
HV Battery Charge Power 10sec	86346	watts
HV Battery Charge Power 2sec	87945	watts
HV Battery Discharge Power 10sec	81312	watts
HV Battery Discharge Power 2sec	86019	watts
HV Battery Power	007530	watts
Battery Lifetime Number Of Closes	1590	
Battery Full AmpHr Capacity	48	AmpHrs
Cell Impedance Max Discharge	0	mOhms
Battery Cell Voltage Minimum	3579	mV
Cell Impedance Mim Discharge	0	mOhms
Battery Cell Voltage Maximum	3589	mV
HV Battery Voltage (Module Sum)	343.80	Volts
Battery Cell Voltage Average	3585	mV
HV Sensor A Pack Voltage	139.10	Volts
HV Sensor C OBCM (HVOBC Fuse) Voltage	40.30	Volts
HV Battery Voltage (cell sum)	344.10	Volts
HV Sensor D Heater (HVHTR Fuse) Voltage	34.20	Volts
HV Sensor B Bus\Link (Pre-Fuse) Voltage	38.20	Volts
Battery Temperature Maximum Module	52	°F
HV Sensor G Weld Contactor(Pack Negative) Voltage	-110.4	Volts

Battery Temperature Minimum Module	50	°F
Battery Temperature Average Module	52	°F
HV Cooling Battery coolant inlet temp	48	°F
HV Cooling Battery coolant outlet temp	48	°F
HV Cooling OBCM temp inlet Temp	52	°F
Isolation Vehicle Impedance	7.8063	Mega Ohms
Isolation Battery Impedance	0.8480	Mega Ohms

HCP | P061B-00 | ACTIVE | INTERNAL CONTROL MODULE TORQUE CALCULATION PERFORMANCE-

NAME	VALUE	UNITS
DTC	06 1B 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		
Brake Switch Status		
Ignition State		
PRND Position Display		
Propulsion System Active		
HCP ePT Wake-Up Output		
CBC Wake-Up Input		
HCP System Shutdown Command		
SW Build Release Version		
HCP SW Version		
EPT LOC Diag Enable		
HV Contactor Status		
APM Status		
Impact Event		
OBCM Operating Mode		
J1772 Prox Detected State		
Hybrid System State		
PHEV Charging Status		
Original Odometer Value		miles
Most Recent Odometer Value		miles
Frequency Counter		
Ignition Cycle Counter		
Real time clock		sec
RAM stamps keyOn		sec
RAM Stamps		Min

Accelerator Pedal Position		%
Engine Speed		rpm
HV Battery SOC		%
Vehicle Speed		MPH
Motor A Temp Sensor		°F
Motor B Temp Sensor		°F
Barometric Pressure		PSI
Engine Coolant Temperature		°F
Internal EPS Voltage Sense A		Volts
Internal EPS Voltage Sense B		Volts
Motor A Torque		Ft-Lbs
Actual Torque - Motor A		Ft-Lbs
Motor B Torque		Ft-Lbs
Available Motor Torque - Motor A		Ft-Lbs
Actual Torque - Motor B		Ft-Lbs
Available Motor Torque - Motor B		Ft-Lbs
Available Regen Torque - Motor B		Ft-Lbs
Available Regen Torque - Motor A		Ft-Lbs
Commanded Torque - Motor A		Ft-Lbs
Commanded Torque - Motor B		Ft-Lbs
Motor A - Inverter Current - phase A		AMP
Motor A - Inverter Current - phase B		AMP
Motor A - Inverter Current - phase C		AMP
Motor B - Inverter Current - phase A		AMP
Motor B - Inverter Current - phase B		AMP
Motor B - Inverter Current - phase C		AMP
Motor B Resolver Angle		Degree
Motor A Resolver Angle		Degree
Electric Motor A Speed		rpm
Electric Motor B Speed		rpm
PIM DC Link Voltage - A		Volts
PIM DC Link Voltage - B		Volts
HV Battery Voltage from BPCM		Volts
Outside Air Temperature		°F
HV Battery Sleep Time		Days
Battery Feed Voltage 1 Sense		Volts
Battery Feed Voltage 2 Sense		Volts
Battery Feed Voltage 3 Sense		Volts
Inverter A IGBT Temperature for phase A		°F
Inverter A IGBT Temperature for phase B		°F
Inverter A IGBT Temperature for phase C		°F
Inverter B IGBT Temperature for phase A		°F
Inverter B IGBT Temperature for phase B		°F
Inverter B IGBT Temperature for phase C		°F

Distance Travelled with Light ON		miles
GPS Date - Year		Year
GPS Date - Month		
GPS Date - Day		Days
UTC Time - Hours		Hours
UTC Time - Seconds		seconds
UTC Time - Minutes		
ECU Time - Milliseconds		ms

HCP | P062C-00 | ACTIVE | INTERNAL CONTROL MODULE VEHICLE SPEED PERFORMANCE-

NAME	VALUE	UNITS
DTC	06 2C 00	
Test Failed This Operation Cycle	True	
Test Failed	True	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Occurrence flag		
Warning Indicator Requested	True	
Brake Switch Status		
Ignition State		
Propulsion System Active		
PRND Position Display		
HCP ePT Wake-Up Output		
CBC Wake-Up Input		
HCP System Shutdown Command		
SW Build Release Version		
HCP SW Version		
EPT LOC Diag Enable		
APM Status		
HV Contactor Status		
Impact Event		
OBCM Operating Mode		
J1772 Prox Detected State		
Hybrid System State		
PHEV Charging Status		
Original Odometer Value		miles
Frequency Counter		
Most Recent Odometer Value		miles
Ignition Cycle Counter		
Real time clock		sec
RAM stamps keyOn		sec

RAM Stamps		Min
Accelerator Pedal Position		%
Engine Speed		rpm
HV Battery SOC		%
Vehicle Speed		MPH
Motor B Temp Sensor		°F
Motor A Temp Sensor		°F
Barometric Pressure		PSI
Engine Coolant Temperature		°F
Internal EPS Voltage Sense A		Volts
Internal EPS Voltage Sense B		Volts
Motor A Torque		Ft-Lbs
Motor B Torque		Ft-Lbs
Actual Torque - Motor A		Ft-Lbs
Actual Torque - Motor B		Ft-Lbs
Available Motor Torque - Motor A		Ft-Lbs
Available Motor Torque - Motor B		Ft-Lbs
Available Regen Torque - Motor A		Ft-Lbs
Commanded Torque - Motor A		Ft-Lbs
Available Regen Torque - Motor B		Ft-Lbs
Commanded Torque - Motor B		Ft-Lbs
Motor A - Inverter Current - phase A		AMP
Motor A - Inverter Current - phase B		AMP
Motor A - Inverter Current - phase C		AMP
Motor B - Inverter Current - phase B		AMP
Motor B - Inverter Current - phase A		AMP
Motor B - Inverter Current - phase C		AMP
Motor B Resolver Angle		Degree
Motor A Resolver Angle		Degree
Electric Motor A Speed		rpm
Electric Motor B Speed		rpm
PIM DC Link Voltage - A		Volts
PIM DC Link Voltage - B		Volts
HV Battery Voltage from BPCM		Volts
Outside Air Temperature		°F
HV Battery Sleep Time		Days
Battery Feed Voltage 1 Sense		Volts
Battery Feed Voltage 2 Sense		Volts
Battery Feed Voltage 3 Sense		Volts
Inverter A IGBT Temperature for phase A		°F
Inverter A IGBT Temperature for phase B		°F
Inverter A IGBT Temperature for phase C		°F
Inverter B IGBT Temperature for phase A		°F
Inverter B IGBT Temperature for phase B		°F

Inverter B IGBT Temperature for phase C		°F
Distance Travelled with Light ON		miles
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 | P0642-00 | ACTIVE | SENSOR REFERENCE VOLTAGE 1 CIRCUIT LOW-

NAME	VALUE	UNITS
DTC	06 42 00	
Test Failed	True	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	True	
Occurrence flag	Occurrence	
Brake Switch Status	Not Applied	
PHEV Charging Status	No Charging	
Ignition State	Reserved	
PRND Position Display	N	
Propulsion System Active	True	
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	False	
Motor A Phase U Comm Error Low Voltage Regulator Fault - High-Side	False	
Motor A Phase U SPI Error Fault - High-Side	True	
Motor A Phase U Hardware Error Fault - High-Side	False	
Motor A Phase U Short Fault - Low-Side	False	
Motor A Phase U Cross Conduction Fault - Low-Side	False	
Motor A Phase U 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	True	
Motor A Phase U Hardware Error Fault - Low-Side	False	
Motor A Phase V Short Fault - High-Side	False	

Motor A Phase V Cross Conduction Fault - High-Side	False	
Motor A Phase V Over Current Fault - High-Side	False	
Motor A Phase 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	False	
Motor A Phase V Comm Error Low Voltage Regulator Fault - High-Side	True	
Motor A Phase V SPI Error Fault - High-Side	True	
Motor A Phase V Hardware Error Fault - High-Side	False	
Motor A Phase V Short Fault - Low-Side	True	
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	True	
Motor A Phase V Hardware Error Fault - Low-Side	False	
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	False	
Motor A Phase W SPI Error Fault - High-Side	True	
Motor A Phase W Hardware Error Fault - High-Side	False	
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	False	
Motor A Phase W SPI Error Fault - Low-Side	True	
Motor A Phase W Hardware Error Fault - Low-Side	False	
Hybrid System State	SNA	
HV Contactor Status	Open	
Inverter B Status Feedback	Normal OFF	
HCP ePT Wake-Up Output	On	
CBC Wake-Up Input	Off	
EPT LOC Diag Enable	Enable LOC Diagnostic	
APM Status	Idle	
Impact Event	False	
HCP System Shutdown Command	Default	
OBCM Operating Mode	UTC	
J1772 Prox Detected State	Prox Out	
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	True	
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	False	
Motor A Phase U Comm Error Low Voltage Regulator Fault - Low-Side	False	
Motor A Phase V Over Voltage Fault VH - High-Side	True	
Motor A Phase V Under Voltage Fault VH - High-Side	True	
Motor A Phase V Over Voltage Fault VL - High-Side	True	
Motor A Phase V Under Voltage Fault VL - High-Side	True	
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	False	
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	False	
Motor A Phase W Over Voltage Fault VH - Low-Side	True	
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	False	
Inverter A Status Feedback	Inverter Faulted	
Original Odometer Value	6189.6	miles

Most Recent Odometer Value	6189.6	miles
Frequency Counter	1	
Ignition Cycle Counter	0	
Real time clock	35346012	sec
RAM stamps keyOn	375	sec
RAM Stamps	2298	Min
Accelerator Pedal Position	0	%
Engine Speed	859	rpm
HV Battery SOC	25	%
Vehicle Speed	27.9763	MPH
Barometric Pressure	15	PSI
Engine Coolant Temperature	183	°F
Actual Torque - Motor A	-0.092	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	0	AMP
Motor A - Inverter Current - phase C	0	AMP
Motor A Resolver Supply Voltage Value	03FD	Volts
Battery Feed Voltage 2 Sense	11.592	Volts
Battery Feed Voltage 3 Sense	12.096	Volts
Internal EPS Voltage Sense A	6.840	Volts
Internal EPS Voltage Sense B	8.136	Volts
PIM DC Link Voltage - A	0	Volts
PIM DC Link Voltage - B	153	Volts
Passive Pump Coolant Temp In Sensor	50	°F
Low Temp Active Pump Speed	0	rpm
High Temp Aux Pump - Actual Speed	5712	rpm
Outside Air Temperature	44.6	°F
Battery Feed Voltage 1 Sense	11.520	Volts
Actual Torque - Motor B	-0.092	Ft-Lbs
Available Motor Torque - Motor B	49.779	Ft-Lbs
Available Regen Torque - Motor A	0.000	Ft-Lbs
Available Regen Torque - Motor B	-49.779	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 A Resolver Angle	196	Degree
Motor B Resolver Angle	260	Degree
Motor A Temp Sensor	93	°F
Motor B Temp Sensor	73	°F

HV Battery Voltage from BPCM	180.00	Volts
Electric Motor B Speed	3102.5	rpm
Inverter A IGBT Temperature for phase A	347	°F
Inverter A IGBT Temperature for phase B	347	°F
Inverter A IGBT Temperature for phase C	347	°F
Inverter B IGBT Temperature for phase A	329	°F
Inverter B IGBT Temperature for phase B	325	°F
Inverter B IGBT Temperature for phase C	275	°F
Distance Travelled with Light ON	3	miles
Motor A Torque	-0.092	Ft-Lbs
Motor B Torque	-0.092	Ft-Lbs
HV Battery Sleep Time	0	Days
Motor A Resolver Angle	196	Degree
Motor A Temp Sensor	93	°F
GPS Date - Month	1	
GPS Date - Year	0	Year
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 | P06B1-00 | ACTIVE | SENSOR POWER SUPPLY 1 CIRCUIT LOW-

NAME	VALUE	UNITS
DTC	06 B1 00	
Test Failed	True	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	True	
Occurrence flag	Occurrence	
Brake Switch Status	Not Applied	
PHEV Charging Status	No Charging	
Ignition State	Reserved	
PRND Position Display	N	
Propulsion System Active	False	
Motor A Resolver Offset Learn Erase	not requested	
Motor A Resolver Offset Learning Status Flag	Applied	
Motor B Resolver Offset Learning Status Flag	Applied	
Motor A Resolver to Digital Low Level Driver Faults	No fault	
Motor B Resolver to Digital Low Level Driver Faults	No fault	

Hybrid System State	Reserved	
HCP ePT Wake-Up Output	On	
CBC Wake-Up Input	Off	
EPT LOC Diag Enable	Enable LOC Diagnostic	
HV Contactor Status	Closed	
APM Status	Off	
Impact Event	False	
HCP System Shutdown Command	Default	
OBCM Operating Mode	UTC	
J1772 Prox Detected State	Prox Out	
Motor B Resolver Offset Learn Erase	not requested	
Original Odometer Value	6189.5	miles
Most Recent Odometer Value	6189.5	miles
Frequency Counter	1	
Ignition Cycle Counter	0	
Real time clock	35346012	sec
RAM stamps keyOn	375	sec
RAM Stamps	2298	Min
Accelerator Pedal Position	0	%
Engine Speed	1280	rpm
HV Battery SOC	25	%
Vehicle Speed	28.5539	MPH
Motor A Temp Sensor	91	°F
Motor B Temp Sensor	73	°F
Barometric Pressure	15	PSI
Engine Coolant Temperature	181	°F
Motor A Resolver Angle Offset	2.00	Degree
Motor B Resolver Angle Offset	3.20	Degree
Motor A Resolver Supply Voltage Value	03FD	Volts
Motor B Resolver Supply Voltage Value	15.75	Volts
Battery Feed Voltage 2 Sense	12.096	Volts
Internal EPS Voltage Sense A	6.696	Volts
Internal EPS Voltage Sense B	8.136	Volts
Actual Torque - Motor A	-0.184	Ft-Lbs
Actual Torque - Motor B	0.000	Ft-Lbs
Available Motor Torque - Motor A	0.000	Ft-Lbs
Available Motor Torque - Motor B	50.424	Ft-Lbs
Available Regen Torque - Motor A	0.000	Ft-Lbs
Available Regen Torque - Motor B	-50.424	Ft-Lbs
Commanded Torque - Motor A	0.000	Ft-Lbs
Commanded Torque - Motor B	8.296	Ft-Lbs
Electric Motor B Speed	3140.0	rpm
Electric Motor A Speed	7.0	rpm
Battery Feed Voltage 1 Sense	12.096	Volts

Battery Feed Voltage 3 Sense	12.456	Volts
Motor A - Inverter Current - phase A	16	AMP
Motor A - Inverter Current - phase C	0	AMP
Motor A - Inverter Current - phase B	-16	AMP
Motor B - Inverter Current - phase A	-124	AMP
Motor B - Inverter Current - phase C	132	AMP
Motor B - Inverter Current - phase B	-8	AMP
Motor A Resolver Angle	196	Degree
Motor B Resolver Angle	40	Degree
Outside Air Temperature	44.6	°F
HV Battery Voltage from BPCM	180.00	Volts
PIM DC Link Voltage - A	0	Volts
PIM DC Link Voltage - B	192	Volts
Inverter A IGBT Temperature for phase A	347	°F
Inverter A IGBT Temperature for phase B	347	°F
Inverter A IGBT Temperature for phase C	347	°F
Inverter B IGBT Temperature for phase A	329	°F
Inverter B IGBT Temperature for phase B	327	°F
Inverter B IGBT Temperature for phase C	275	°F
Distance Travelled with Light ON	3	miles
Motor A Torque	-0.184	Ft-Lbs
Motor B Torque	0.000	Ft-Lbs
HV Battery Sleep Time	0	Days
Motor A Resolver Angle	196	Degree
Motor B Resolver Angle	40	Degree
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 | P06B4-00 | ACTIVE | SENSOR POWER SUPPLY 2 CIRCUIT LOW-

NAME	VALUE	UNITS
DTC	06 B4 00	
Test Failed	True	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	True	

Occurrence flag	Occurrence	
Brake Switch Status	Not Applied	
PHEV Charging Status	No Charging	
Ignition State	Reserved	
PRND Position Display	P	
Propulsion System Active	False	
Motor A Resolver Offset Learn Erase	not requested	
Motor A Resolver Offset Learning Status Flag	Applied	
Motor B Resolver Offset Learning Status Flag	Applied	
Motor A Resolver to Digital Low Level Driver Faults	No fault	
Motor B Resolver to Digital Low Level Driver Faults	Resolver Loss of Signal	
Hybrid System State	Evaluate High Voltage Enable	
HCP ePT Wake-Up Output	On	
CBC Wake-Up Input	On	
EPT LOC Diag Enable	Disable LOC Daignostic	
HV Contactor Status	Open	
APM Status	Idle	
HCP System Shutdown Command	Default	
Impact Event	False	
OBCM Operating Mode	UTC	
J1772 Prox Detected State	Prox Out	
Motor B Resolver Offset Learn Erase	not requested	
Most Recent Odometer Value	6189.7	miles
Original Odometer Value	6189.7	miles
Frequency Counter	2	
Ignition Cycle Counter	0	
Real time clock	35346116	sec
RAM stamps keyOn	0	sec
RAM Stamps	2299	Min
Accelerator Pedal Position	0	%
HV Battery SOC	25	%
Engine Speed	0	rpm
Vehicle Speed	0.0000	MPH
Motor A Temp Sensor	77	°F
Motor B Temp Sensor	77	°F
Barometric Pressure	15	PSI
Engine Coolant Temperature	176	°F
Motor A Resolver Angle Offset	2.00	Degree
Motor B Resolver Angle Offset	3.20	Degree
Motor A Resolver Supply Voltage Value	03FD	Volts
Motor B Resolver Supply Voltage Value	03FD	Volts
Battery Feed Voltage 2 Sense	12.096	Volts
Internal EPS Voltage Sense A	0.000	Volts
Internal EPS Voltage Sense B	0.144	Volts

Actual Torque - Motor A	-0.092	Ft-Lbs
Actual Torque - Motor B	0.000	Ft-Lbs
Available Motor Torque - Motor A	12.353	Ft-Lbs
Available Motor Torque - Motor B	3.503	Ft-Lbs
Available Regen Torque - Motor A	-12.353	Ft-Lbs
Available Regen Torque - Motor B	-3.503	Ft-Lbs
Commanded Torque - Motor A	0.000	Ft-Lbs
Commanded Torque - Motor B	0.000	Ft-Lbs
Electric Motor B Speed	0.0	rpm
Electric Motor A Speed	0.0	rpm
Battery Feed Voltage 1 Sense	12.096	Volts
Battery Feed Voltage 3 Sense	11.880	Volts
Motor A - Inverter Current - phase A	0	AMP
Motor A - Inverter Current - phase B	0	AMP
Motor A - Inverter Current - phase C	-4	AMP
Motor B - Inverter Current - phase A	0	AMP
Motor B - Inverter Current - phase B	0	AMP
Motor B - Inverter Current - phase C	0	AMP
Motor A Resolver Angle	196	Degree
Motor B Resolver Angle	Invalid Value	Degree
Outside Air Temperature	58.1	°F
HV Battery Voltage from BPCM	180.00	Volts
PIM DC Link Voltage - A	0	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
Distance Travelled with Light ON	3	miles
Motor A Torque	-0.092	Ft-Lbs
Motor B Torque	0.000	Ft-Lbs
HV Battery Sleep Time	0	Days
Motor B Resolver Angle	Invalid Value	Degree
Motor A Resolver Angle	196	Degree
GPS Date - Year	0	Year
GPS Date - Month	1	
GPS Date - Day	1	Days
UTC Time - Hours	0	Hours
UTC Time - Seconds	0	seconds
UTC Time - Minutes	0	
ECU Time - Milliseconds	0	ms

NAME	VALUE	UNITS
DTC	07 9B 00	
Test Failed	True	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	True	
Occurrence flag	Occurrence	
Brake Switch Status	Not Applied	
Ignition State	Reserved	
PRND Position Display	P	
Propulsion System Active	False	
HCP ePT Wake-Up Output	On	
CBC Wake-Up Input	On	
HCP System Shutdown Command	Default	
SW Build Release Version	PIMC19A1807p0_1807A_RU_H	
HCP SW Version	1807A	
EPT LOC Diag Enable	Disable LOC Daignostic	
HV Contactor Status	Open	
APM Status	Idle	
Impact Event	False	
OBCM Operating Mode	UTC	
J1772 Prox Detected State	Prox Out	
Hybrid System State	Evaluate High Voltage Enable	
PHEV Charging Status	No Charging	
Original Odometer Value	6189.7	miles
Most Recent Odometer Value	6189.7	miles
Frequency Counter	9	
Ignition Cycle Counter	0	
Real time clock	35440756	sec
RAM Stamps	2325	Min
RAM stamps keyOn	0	sec
Accelerator Pedal Position	0	%
Engine Speed	0	rpm
HV Battery SOC	26	%
Vehicle Speed	0.0000	MPH
Motor A Temp Sensor	77	°F
Motor B Temp Sensor	77	°F
Barometric Pressure	14	PSI
Engine Coolant Temperature	37	°F
Internal EPS Voltage Sense A	0.000	Volts

Internal EPS Voltage Sense B	0.000	Volts
Motor A Torque	0.000	Ft-Lbs
Motor B Torque	0.000	Ft-Lbs
Actual Torque - Motor A	0.000	Ft-Lbs
Actual Torque - Motor B	0.000	Ft-Lbs
Available Motor Torque - Motor A	87.205	Ft-Lbs
Available Motor Torque - Motor B	0.000	Ft-Lbs
Available Regen Torque - Motor B	0.000	Ft-Lbs
Available Regen Torque - Motor A	-87.205	Ft-Lbs
Commanded Torque - Motor A	0.000	Ft-Lbs
Commanded Torque - Motor B	0.000	Ft-Lbs
Motor A - Inverter Current - phase B	0	AMP
Motor A - Inverter Current - phase A	0	AMP
Motor A - Inverter Current - phase C	-4	AMP
Motor B - Inverter Current - phase A	0	AMP
Motor B - Inverter Current - phase B	-4	AMP
Motor B - Inverter Current - phase C	-4	AMP
Motor B Resolver Angle	86	Degree
Motor A Resolver Angle	196	Degree
Electric Motor A Speed	0.0	rpm
Electric Motor B Speed	0.0	rpm
PIM DC Link Voltage - A	0	Volts
PIM DC Link Voltage - B	2	Volts
HV Battery Voltage from BPCM	180.00	Volts
Outside Air Temperature	41.0	°F
HV Battery Sleep Time	0	Days
Battery Feed Voltage 1 Sense	11.520	Volts
Battery Feed Voltage 2 Sense	11.520	Volts
Battery Feed Voltage 3 Sense	11.376	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
Distance Travelled with Light ON	3	miles
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

NAME	VALUE	UNITS
DTC	0A 3C 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		
Brake Switch Status		
PHEV Charging Status		
Ignition State		
PRND Position Display		
Propulsion System Active		
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		
Hybrid System State		
HV Contactor Status		
Inverter B Status Feedback		
HCP ePT Wake-Up Output		
CBC Wake-Up Input		
EPT LOC Diag Enable		
APM Status		
Impact Event		
HCP System Shutdown Command		
OBCM Operating Mode		
J1772 Prox Detected State		
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		
Original Odometer Value		miles
Most Recent Odometer Value		miles
Frequency Counter		
Ignition Cycle Counter		
Real time clock		sec
RAM stamps keyOn		sec
RAM Stamps		Min
Accelerator Pedal Position		%
Engine Speed		rpm
HV Battery SOC		%
Vehicle Speed		MPH
Barometric Pressure		PSI

Engine Coolant Temperature		°F
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 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
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
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 A Resolver Angle		Degree
Motor B Resolver Angle		Degree
Motor A Temp Sensor		°F
Motor B Temp Sensor		°F
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
Distance Travelled with Light ON		miles
Motor A Torque		Ft-Lbs
Motor B Torque		Ft-Lbs

HV Battery Sleep Time		Days
Motor A Resolver Angle		Degree
Motor A Temp Sensor		°F
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 | P0A3D-00 | STORED | DRIVE MOTOR B INVERTER OVER TEMPERATURE-

NAME	VALUE	UNITS
DTC	0A 3D 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		
Brake Switch Status		
PHEV Charging Status		
Ignition State		
PRND Position Display		
Propulsion System Active		
Commanded Inverter B State		
Inverter B Status Feedback		
Motor B Phase U Short Fault - High-Side		
Motor B Phase U Cross Conduction Fault - High-Side		
Motor B Phase U Thermal Warning Fault - High-Side		
Motor B Phase U Thermal Shutdown Fault - High-Side		
Motor B Phase U Comm Error High Voltage Regulator Fault - High-Side		
Motor B Phase U SPI Error Fault - High-Side		
Motor B Phase U Hardware Error Fault - High-Side		
Motor B Phase U Short Fault - Low-Side		
Motor B Phase U Cross Conduction Fault - Low-Side		
Motor B Phase U Over Current Fault - Low-Side		
Motor B Phase U Thermal Warning Fault - Low-Side		
Motor B Phase U Thermal Shutdown Fault - Low-Side		
Motor B Phase U Comm Error High Voltage Regulator Fault - Low-Side		
Motor B Phase U SPI Error Fault - Low-Side		

Motor B Phase U Comm Error Low Voltage Regulator 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		
Hybrid System State		
HCP ePT Wake-Up Output		
CBC Wake-Up Input		
EPT LOC Diag Enable		
HV Contactor Status		
APM Status		
Impact Event		

HCP System Shutdown Command		
OBCM Operating Mode		
J1772 Prox Detected State		
Motor B Phase U Over Current Fault - High-Side		
Motor B Phase U Over Voltage Fault VH - High-Side		
Motor B Phase U Under Voltage Fault VH - High-Side		
Motor B Phase U Under Voltage Fault VL - High-Side		
Motor B Phase U Over 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 Over Voltage Fault VDD - High-Side		
Motor B Phase V Under Voltage Fault VL - 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 Over Voltage Fault VDD - Low-Side		
Motor B Phase V Under Voltage Fault VL - 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		
Original Odometer Value		miles
Most Recent Odometer Value		miles

Frequency Counter		
Ignition Cycle Counter		
Real time clock		sec
RAM stamps keyOn		sec
RAM Stamps		Min
Accelerator Pedal Position		%
Engine Speed		rpm
HV Battery SOC		%
Vehicle Speed		MPH
Barometric Pressure		PSI
Engine Coolant Temperature		°F
Actual Torque - Motor B		Ft-Lbs
Available Motor Torque - Motor B		Ft-Lbs
Inverter B Input DC Current		AMP
Electric Motor B Speed		rpm
Motor B - Inverter Current - phase A		AMP
Motor B - Inverter Current - phase B		AMP
Motor B - Inverter Current - phase C		AMP
Motor B Resolver Supply Voltage Value		Volts
Battery Feed Voltage 2 Sense		Volts
Internal EPS Voltage Sense A		Volts
Internal EPS Voltage Sense B		Volts
Battery Feed Voltage 1 Sense		Volts
Battery Feed Voltage 3 Sense		Volts
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 B Resolver Angle		Degree
Motor A Temp Sensor		°F
Motor B Temp Sensor		°F
Outside Air Temperature		°F
Motor A Resolver Angle		Degree
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
Distance Travelled with Light ON		miles
Motor A Torque		Ft-Lbs
Motor B Torque		Ft-Lbs
HV Battery Sleep Time		Days
Motor B Resolver Angle		Degree
Motor B Temp Sensor		°F
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 | P0A45-00 | ACTIVE | DRIVE MOTOR B POSITION SENSOR 1 CIRCUIT

NAME	VALUE	UNITS
DTC	0A 45 00	
Test Failed	True	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	True	
Occurrence flag	Occurrence	
Brake Switch Status	Not Applied	
PHEV Charging Status	No Charging	
Ignition State	Reserved	
PRND Position Display	P	
Propulsion System Active	False	
Motor A Resolver Offset Learn Erase	not requested	
Motor A Resolver Offset Learning Status Flag	Applied	
Motor B Resolver Offset Learning Status Flag	Applied	
Motor A Resolver to Digital Low Level Driver Faults	No fault	
Motor B Resolver to Digital Low Level Driver Faults	Resolver Loss of Signal	
Hybrid System State	SNA	
HCP ePT Wake-Up Output	On	
CBC Wake-Up Input	On	
EPT LOC Diag Enable	Enable Limited LOC Diagnostic	

HV Contactor Status	Open	
APM Status	Idle	
Impact Event	False	
HCP System Shutdown Command	Default	
OBCM Operating Mode	UTC	
J1772 Prox Detected State	Prox Out	
Motor B Resolver Offset Learn Erase	not requested	
Original Odometer Value	6189.7	miles
Most Recent Odometer Value	6189.7	miles
Frequency Counter	2	
Ignition Cycle Counter	0	
Real time clock	35346120	sec
RAM stamps keyOn	0	sec
RAM Stamps	2299	Min
Accelerator Pedal Position	0	%
Engine Speed	0	rpm
HV Battery SOC	25	%
Vehicle Speed	0.0000	MPH
Motor A Temp Sensor	81	°F
Motor B Temp Sensor	73	°F
Barometric Pressure	15	PSI
Engine Coolant Temperature	176	°F
Motor A Resolver Angle Offset	2.00	Degree
Motor B Resolver Angle Offset	3.20	Degree
Motor A Resolver Supply Voltage Value	03FD	Volts
Motor B Resolver Supply Voltage Value	03FD	Volts
Battery Feed Voltage 2 Sense	12.168	Volts
Internal EPS Voltage Sense A	0.000	Volts
Internal EPS Voltage Sense B	0.144	Volts
Actual Torque - Motor A	-0.092	Ft-Lbs
Actual Torque - Motor B	0.000	Ft-Lbs
Available Motor Torque - Motor A	0.000	Ft-Lbs
Available Motor Torque Motor B	0.000	Ft Lbs
Available Regen Torque - Motor A	0.000	Ft-Lbs
Available Regen Torque - Motor B	0.000	Ft-Lbs
Commanded Torque - Motor A	0.000	Ft-Lbs
Commanded Torque - Motor B	0.000	Ft-Lbs
Electric Motor A Speed	0.0	rpm
Electric Motor B Speed	13474.0	rpm
Battery Feed Voltage 1 Sense	12.096	Volts
Battery Feed Voltage 3 Sense	11.952	Volts
Motor A - Inverter Current - phase A	0	AMP
Motor A - Inverter Current - phase B	0	AMP
Motor B - Inverter Current - phase A	0	AMP

Motor A - Inverter Current - phase C	-4	AMP
Motor B - Inverter Current - phase B	0	AMP
Motor B - Inverter Current - phase C	-4	AMP
Motor A Resolver Angle	196	Degree
Motor B Resolver Angle	Invalid Value	Degree
Outside Air Temperature	48.2	°F
HV Battery Voltage from BPCM	180.00	Volts
PIM DC Link Voltage - A	0	Volts
PIM DC Link Voltage - B	2	Volts
Inverter A IGBT Temperature for phase A	234	°F
Inverter A IGBT Temperature for phase B	246	°F
Inverter A IGBT Temperature for phase C	230	°F
Inverter B IGBT Temperature for phase A	243	°F
Inverter B IGBT Temperature for phase B	241	°F
Inverter B IGBT Temperature for phase C	210	°F
Distance Travelled with Light ON	3	miles
Motor A Torque	-0.092	Ft-Lbs
Motor B Torque	0.000	Ft-Lbs
HV Battery Sleep Time	0	Days
Motor A Resolver Angle	196	Degree
GPS Date - Year	0	Year
Motor B Resolver Angle	Invalid Value	Degree
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 | P0A4A-00 | ACTIVE | DRIVE MOTOR B POSITION SENSOR 1 CIRCUIT OVERSPEED-

NAME	VALUE	UNITS
DTC	0A 4A 00	
Test Failed	True	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Confirmed DTC	False	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Occurrence flag		
Warning Indicator Requested	False	
Brake Switch Status		
PHEV Charging Status		
PRND Position Display		

Ignition State		
Propulsion System Active		
Motor A Resolver Offset Learn Erase		
Motor A Resolver Offset Learning Status Flag		
Motor B Resolver Offset Learning Status Flag		
Motor A Resolver to Digital Low Level Driver Faults		
Motor B Resolver to Digital Low Level Driver Faults		
Hybrid System State		
HCP ePT Wake-Up Output		
CBC Wake-Up Input		
EPT LOC Diag Enable		
HV Contactor Status		
APM Status		
Impact Event		
HCP System Shutdown Command		
OBCM Operating Mode		
J1772 Prox Detected State		
Motor B Resolver Offset Learn Erase		
Original Odometer Value		miles
Most Recent Odometer Value		miles
Frequency Counter		
Ignition Cycle Counter		
Real time clock		sec
RAM stamps keyOn		sec
Accelerator Pedal Position		%
RAM Stamps		Min
Engine Speed		rpm
HV Battery SOC		%
Vehicle Speed		MPH
Motor A Temp Sensor		°F
Motor B Temp Sensor		°F
Barometric Pressure		PSI
Engine Coolant Temperature		°F
Motor A Resolver Angle Offset		Degree
Motor B Resolver Angle Offset		Degree
Motor A Resolver Supply Voltage Value		Volts
Motor B Resolver Supply Voltage Value		Volts
Battery Feed Voltage 2 Sense		Volts
Internal EPS Voltage Sense A		Volts
Internal EPS Voltage Sense B		Volts
Actual Torque - Motor A		Ft-Lbs
Actual Torque - Motor B		Ft-Lbs
Available Motor Torque - Motor A		Ft-Lbs
Available Motor Torque - Motor B		Ft-Lbs

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

HCP | P0A78-00 | 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	
Brake Switch Status	Not Applied	
PHEV Charging Status	No Charging	
Ignition State	Reserved	
PRND Position Display	D	
Propulsion System Active	True	
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	False	
Motor A Phase U Comm Error Low Voltage Regulator Fault - High-Side	False	
Motor A Phase U SPI Error Fault - High-Side	False	
Motor A Phase U Hardware Error Fault - High-Side	False	
Motor A Phase U Short Fault - Low-Side	False	
Motor A Phase U Cross Conduction Fault - Low-Side	False	
Motor A Phase U 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	False	
Motor A Phase V Short Fault - High-Side	False	
Motor A Phase V Cross Conduction Fault - High-Side	False	
Motor A Phase V Over Current Fault - High-Side	False	
Motor A Phase 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	False	
Motor A Phase V Comm Error Low Voltage Regulator Fault - High-Side	True	
Motor A Phase V SPI Error Fault - High-Side	False	
Motor A Phase V Hardware Error Fault - High-Side	False	
Motor A Phase V Short Fault - Low-Side	True	
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	False	
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	False	
Motor A Phase W SPI Error Fault - High-Side	False	
Motor A Phase W Hardware Error Fault - High-Side	False	
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	False	
Motor A Phase W SPI Error Fault - Low-Side	False	
Motor A Phase W Hardware Error Fault - Low-Side	False	
Hybrid System State	Determine Hybrid System State	
HV Contactor Status	Closed	
Inverter B Status Feedback	Normal OFF	
HCP ePT Wake-Up Output	On	
CBC Wake-Up Input	Off	
EPT LOC Diag Enable	Enable LOC Diagnostic	
APM Status	Buck CV	
Impact Event	False	
HCP System Shutdown Command	Default	
OBCM Operating Mode	UTC	
J1772 Prox Detected State	Prox Out	
Commanded Inverter A State	Torque Control	
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	False	
Motor A Phase U Comm Error Low Voltage Regulator Fault - Low-Side	False	
Motor A Phase V Over Voltage Fault VH - High-Side	True	

Motor A Phase V Under Voltage Fault VH - High-Side	True	
Motor A Phase V Over Voltage Fault VL - High-Side	True	
Motor A Phase V Under Voltage Fault VL - High-Side	True	
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	False	
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	False	
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	False	
Inverter A Status Feedback	Inverter Faulted	
Original Odometer Value	6189.5	miles
Most Recent Odometer Value	6189.5	miles
Frequency Counter	1	
Ignition Cycle Counter	0	
Real time clock	35346008	sec
RAM stamps keyOn	375	sec
RAM Stamps	2298	Min
Accelerator Pedal Position	0	%
Engine Speed	1684	rpm
HV Battery SOC	25	%
Vehicle Speed	29.6413	MPH
Barometric Pressure	15	PSI
Engine Coolant Temperature	181	°F
Actual Torque - Motor A	-2.028	Ft-Lbs
Available Motor Torque - Motor A	9.403	Ft-Lbs

Inverter A Input DC Current	0.0	AMP
Electric Motor A Speed	2841.5	rpm
Motor A - Inverter Current - phase A	16	AMP
Motor A - Inverter Current - phase B	-16	AMP
Motor A - Inverter Current - phase C	-4	AMP
Motor A Resolver Supply Voltage Value	15.75	Volts
Battery Feed Voltage 2 Sense	14.472	Volts
Battery Feed Voltage 3 Sense	14.328	Volts
Internal EPS Voltage Sense A	8.136	Volts
Internal EPS Voltage Sense B	8.136	Volts
PIM DC Link Voltage - A	101	Volts
PIM DC Link Voltage - B	98	Volts
Passive Pump Coolant Temp In Sensor	50	°F
Low Temp Active Pump Speed	0	rpm
High Temp Aux Pump - Actual Speed	6000	rpm
Outside Air Temperature	44.6	°F
Battery Feed Voltage 1 Sense	14.472	Volts
Actual Torque - Motor B	-51.530	Ft-Lbs
Available Motor Torque - Motor B	50.332	Ft-Lbs
Available Regen Torque - Motor A	-16.316	Ft-Lbs
Available Regen Torque - Motor B	-50.332	Ft-Lbs
Commanded Torque - Motor A	-16.593	Ft-Lbs
Commanded Torque - Motor B	-6.176	Ft-Lbs
Motor B - Inverter Current - phase A	-196	AMP
Motor B - Inverter Current - phase B	28	AMP
Motor B - Inverter Current - phase C	168	AMP
Motor A Resolver Angle	74	Degree
Motor B Resolver Angle	6	Degree
Motor A Temp Sensor	93	°F
Motor B Temp Sensor	73	°F
HV Battery Voltage from BPCM	180.00	Volts
Electric Motor B Speed	3135.5	rpm
Inverter A IGBT Temperature for phase A	347	°F
Inverter A IGBT Temperature for phase B	347	°F
Inverter A IGBT Temperature for phase C	347	°F
Inverter B IGBT Temperature for phase A	327	°F
Inverter B IGBT Temperature for phase B	325	°F
Inverter B IGBT Temperature for phase C	273	°F
Distance Travelled with Light ON	3	miles
Motor A Torque	-2.028	Ft-Lbs
Motor B Torque	-51.530	Ft-Lbs
HV Battery Sleep Time	0	Days
Motor A Resolver Angle	74	Degree
Motor A Temp Sensor	93	°F

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 | P0A79-00 | ACTIVE | DRIVE MOTOR B INVERTER PERFORMANCE-

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

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

Motor B Phase U Over Current Fault - High-Side	False	
Motor B Phase U Over Voltage Fault VH - High-Side	False	
Motor B Phase U Under Voltage Fault VH - High-Side	False	
Motor B Phase U Over Voltage Fault VL - High-Side	False	
Motor B Phase U Under Voltage Fault VL - High-Side	False	
Motor B Phase U Over Voltage Fault VDD - High-Side	False	
Motor B Phase U Under Voltage Fault VDD - High-Side	False	
Motor B Phase U Comm Error Low Voltage Regulator Fault - High-Side	True	
Motor B Phase U Over Voltage Fault VH - Low-Side	False	
Motor B Phase U Under Voltage Fault VH - Low-Side	False	
Motor B Phase U Over Voltage Fault VL - Low-Side	False	
Motor B Phase U Under Voltage Fault VL - Low-Side	False	
Motor B Phase U Over Voltage Fault VDD - Low-Side	False	
Motor B Phase U Under Voltage Fault VDD - Low-Side	False	
Motor B Phase V Over Voltage Fault VH - High-Side	False	
Motor B Phase V Under Voltage Fault VH - High-Side	False	
Motor B Phase V Over Voltage Fault VL - High-Side	False	
Motor B Phase V Under Voltage Fault VL - High-Side	False	
Motor B Phase V Over Voltage Fault VDD - High-Side	False	
Motor B Phase V Under Voltage Fault VDD - High-Side	False	
Motor B Phase V Over Voltage Fault VH - Low-Side	False	
Motor B Phase V Under Voltage Fault VH - Low-Side	False	
Motor B Phase V Over Voltage Fault VL - Low-Side	False	
Motor B Phase V Over Voltage Fault VDD - Low-Side	False	
Motor B Phase V Under Voltage Fault VL - Low-Side	False	
Motor B Phase V Under Voltage Fault VDD - Low-Side	False	
Motor B Phase W Over Voltage Fault VH - High-Side	False	
Motor B Phase W Under Voltage Fault VH - High-Side	False	
Motor B Phase W Over Voltage Fault VL - High-Side	False	
Motor B Phase W Under Voltage Fault VL - High-Side	False	
Motor B Phase W Over Voltage Fault VDD - High-Side	False	
Motor B Phase W Under Voltage Fault VDD - High-Side	False	
Motor B Phase W Thermal Shutdown Fault - High-Side	True	
Motor B Phase W Over Voltage Fault VH - Low-Side	False	
Motor B Phase W Under Voltage Fault VH - Low-Side	False	
Motor B Phase W Over Voltage Fault VL - Low-Side	False	
Motor B Phase W Under Voltage Fault VL - Low-Side	False	
Motor B Phase W Over Voltage Fault VDD - Low-Side	False	
Motor B Phase W Under Voltage Fault VDD - Low-Side	False	
Original Odometer Value	6189.7	miles
Most Recent Odometer Value	6189.7	miles
Frequency Counter	3	
Ignition Cycle Counter	0	
RAM stamps keyOn	0	sec

Real time clock	35346180	sec
Accelerator Pedal Position	0	%
RAM Stamps	2299	Min
Engine Speed	0	rpm
HV Battery SOC	25	%
Vehicle Speed	0.0000	MPH
Barometric Pressure	15	PSI
Actual Torque - Motor B	0.000	Ft-Lbs
Engine Coolant Temperature	176	°F
Available Motor Torque - Motor B	8.296	Ft-Lbs
Inverter B Input DC Current	0.0	AMP
Electric Motor B Speed	0.0	rpm
Motor B - Inverter Current - phase A	-4	AMP
Motor B - Inverter Current - phase B	-4	AMP
Motor B - Inverter Current - phase C	0	AMP
Motor B Resolver Supply Voltage Value	03FD	Volts
Battery Feed Voltage 2 Sense	12.096	Volts
Internal EPS Voltage Sense A	0.000	Volts
Internal EPS Voltage Sense B	0.072	Volts
Battery Feed Voltage 1 Sense	12.096	Volts
Battery Feed Voltage 3 Sense	11.880	Volts
Actual Torque - Motor A	-0.092	Ft-Lbs
Available Motor Torque - Motor A	87.205	Ft-Lbs
Available Regen Torque - Motor A	-87.205	Ft-Lbs
Available Regen Torque - Motor B	-8.296	Ft-Lbs
Commanded Torque - Motor A	0.000	Ft-Lbs
Commanded Torque - Motor B	0.000	Ft-Lbs
Motor A - Inverter Current - phase A	0	AMP
Motor A - Inverter Current - phase B	0	AMP
Motor A - Inverter Current - phase C	-4	AMP
Motor A Resolver Angle	196	Degree
Motor A Temp Sensor	77	°F
Motor B Resolver Angle	352	Degree
Motor B Temp Sensor	77	°F
Outside Air Temperature	59.0	°F
HV Battery Voltage from BPCM	180.00	Volts
Electric Motor A Speed	0.0	rpm
PIM DC Link Voltage - A	0	Volts
PIM DC Link Voltage - B	2	Volts
Inverter A IGBT Temperature for phase A	32	°F
Inverter A IGBT Temperature for phase C	32	°F
Inverter B IGBT Temperature for phase A	32	°F
Inverter A IGBT Temperature for phase B	32	°F
Inverter B IGBT Temperature for phase B	32	°F

Distance Travelled with Light ON	3	miles
Inverter B IGBT Temperature for phase C	32	°F
Motor B Torque	0.000	Ft-Lbs
Motor A Torque	-0.092	Ft-Lbs
HV Battery Sleep Time	0	Days
Motor B Resolver Angle	352	Degree
Motor B Temp Sensor	77	°F
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 | P0AFA-00 | ACTIVE | HYBRID/EV BATTERY SYSTEM VOLTAGE LOW-

NAME	VALUE	UNITS
DTC	0A FA 00	
Test Failed	True	
Pending DTC	True	
Test Failed This Operation Cycle	True	
Confirmed DTC	False	
Test Failed Since Last Clear	True	
Test Not Completed Since Last Clear	False	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
Occurrence flag		
Brake Switch Status		
Ignition State		
PRND Position Display		
Propulsion System Active		
HCP ePT Wake-Up Output		
CBC Wake-Up Input		
HCP System Shutdown Command		
SW Build Release Version		
HCP SW Version		
EPT LOC Diag Enable		
HV Contactor Status		
APM Status		
Impact Event		
OBCM Operating Mode		
J1772 Prox Detected State		
Hybrid System State		
PHEV Charging Status		

Original Odometer Value		miles
Most Recent Odometer Value		miles
Frequency Counter		
Ignition Cycle Counter		
Real time clock		sec
RAM stamps keyOn		sec
RAM Stamps		Min
Accelerator Pedal Position		%
Engine Speed		rpm
HV Battery SOC		%
Vehicle Speed		MPH
Motor A Temp Sensor		°F
Motor B Temp Sensor		°F
Barometric Pressure		PSI
Engine Coolant Temperature		°F
Internal EPS Voltage Sense A		Volts
Internal EPS Voltage Sense B		Volts
Motor A Torque		Ft-Lbs
Actual Torque - Motor A		Ft-Lbs
Motor B Torque		Ft-Lbs
Actual Torque - Motor B		Ft-Lbs
Available Motor Torque - Motor A		Ft-Lbs
Available Motor Torque - Motor B		Ft-Lbs
Available Regen Torque - Motor A		Ft-Lbs
Available Regen Torque - Motor B		Ft-Lbs
Commanded Torque - Motor A		Ft-Lbs
Commanded Torque - Motor B		Ft-Lbs
Motor A - Inverter Current - phase A		AMP
Motor A - Inverter Current - phase B		AMP
Motor A - Inverter Current - phase C		AMP
Motor B - Inverter Current - phase A		AMP
Motor B - Inverter Current - phase B		AMP
Motor B - Inverter Current - phase C		AMP
Motor B Resolver Angle		Degree
Motor A Resolver Angle		Degree
Electric Motor A Speed		rpm
Electric Motor B Speed		rpm
PIM DC Link Voltage - A		Volts
PIM DC Link Voltage - B		Volts
HV Battery Voltage from BPCM		Volts
Outside Air Temperature		°F
HV Battery Sleep Time		Days
Battery Feed Voltage 1 Sense		Volts
Battery Feed Voltage 2 Sense		Volts

Battery Feed Voltage 3 Sense		Volts
Inverter A IGBT Temperature for phase A		°F
Inverter A IGBT Temperature for phase B		°F
Inverter A IGBT Temperature for phase C		°F
Inverter B IGBT Temperature for phase A		°F
Inverter B IGBT Temperature for phase B		°F
Inverter B IGBT Temperature for phase C		°F
Distance Travelled with Light ON		miles
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 | P0C0B-00 | STORED | DRIVE MOTOR A INVERTER POWER SUPPLY CIRCUIT/OPEN-

NAME	VALUE	UNITS
DTC	0C 0B 00	
Test Failed	False	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	True	
Occurrence flag		
Brake Switch Status		
PHEV Charging Status		
Ignition State		
PRND Position Display		
Propulsion System Active		
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		
Hybrid System State		
HV Contactor Status		
Inverter B Status Feedback		
HCP ePT Wake-Up Output		
CBC Wake-Up Input		
EPT LOC Diag Enable		
APM Status		
Impact Event		

HCP System Shutdown Command		
OBCM Operating Mode		
J1772 Prox Detected State		
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		
Original Odometer Value		miles
Most Recent Odometer Value		miles
Frequency Counter		
Ignition Cycle Counter		
Real time clock		sec
RAM stamps keyOn		sec
RAM Stamps		Min
Accelerator Pedal Position		%
Engine Speed		rpm
HV Battery SOC		%
Vehicle Speed		MPH
Barometric Pressure		PSI
Engine Coolant Temperature		°F
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 Resolver Supply Voltage Value		Volts
Battery Feed Voltage 2 Sense		Volts
Internal EPS Voltage Sense A		Volts
Battery Feed Voltage 3 Sense		Volts
Internal EPS Voltage Sense B		Volts
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
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 A Resolver Angle		Degree
Motor B Resolver Angle		Degree
Motor A Temp Sensor		°F
Motor B Temp Sensor		°F
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
Distance Travelled with Light ON		miles
Motor A Torque		Ft-Lbs
Motor B Torque		Ft-Lbs
HV Battery Sleep Time		Days
Motor A Resolver Angle		Degree
Motor A Temp Sensor		°F
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 | P0C0E-00 | ACTIVE | DRIVE MOTOR B INVERTER POWER SUPPLY CIRCUIT/OPEN-

NAME	VALUE	UNITS
DTC	0C 0E 00	
Test Failed	True	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	True	
Occurrence flag	Occurrence	
Brake Switch Status	Not Applied	
PHEV Charging Status	No Charging	
Ignition State	Ignition Lock	
PRND Position Display	P	

Propulsion System Active	False	
Commanded Inverter B State	Inverter Disabled	
Inverter B Status Feedback	Inverter Faulted	
Motor B Phase U Short Fault - High-Side	False	
Motor B Phase U Cross Conduction Fault - High-Side	False	
Motor B Phase U Thermal Warning Fault - High-Side	True	
Motor B Phase U Thermal Shutdown Fault - High-Side	True	
Motor B Phase U Comm Error High Voltage Regulator Fault - High-Side	False	
Motor B Phase U SPI Error Fault - High-Side	False	
Motor B Phase U Hardware Error Fault - High-Side	False	
Motor B Phase U Short Fault - Low-Side	False	
Motor B Phase U Cross Conduction Fault - Low-Side	False	
Motor B Phase U Over Current Fault - Low-Side	False	
Motor B Phase U Thermal Warning Fault - Low-Side	True	
Motor B Phase U Thermal Shutdown Fault - Low-Side	True	
Motor B Phase U Comm Error High Voltage Regulator Fault - Low-Side	False	
Motor B Phase U Comm Error Low Voltage Regulator Fault - Low-Side	True	
Motor B Phase U SPI Error Fault - Low-Side	False	
Motor B Phase U Hardware Error Fault - Low-Side	False	
Motor B Phase V Short Fault - High-Side	False	
Motor B Phase V Cross Conduction Fault - High-Side	False	
Motor B Phase V Over Current Fault - High-Side	False	
Motor B Phase V Thermal Warning Fault - High-Side	True	
Motor B Phase V Thermal Shutdown Fault - High-Side	True	
Motor B Phase V Comm Error High Voltage Regulator Fault - High-Side	False	
Motor B Phase V Comm Error Low Voltage Regulator Fault - High-Side	True	
Motor B Phase V SPI Error Fault - High-Side	False	
Motor B Phase V Hardware Error Fault - High-Side	False	
Motor B Phase V Cross Conduction Fault - Low-Side	False	
Motor B Phase V Short Fault - Low-Side	False	
Motor B Phase V Over Current Fault - Low-Side	False	
Motor B Phase V Thermal Warning Fault - Low-Side	True	
Motor B Phase V Thermal Shutdown Fault - Low-Side	True	
Motor B Phase V Comm Error High Voltage Regulator Fault - Low-Side	False	
Motor B Phase V Comm Error Low Voltage Regulator Fault - Low-Side	True	
Motor B Phase V SPI Error Fault - Low-Side	False	
Motor B Phase V Hardware Error Fault - Low-Side	False	
Motor B Phase W Short Fault - High-Side	False	
Motor B Phase W Cross Conduction Fault - High-Side	False	
Motor B Phase W Over Current Fault - High-Side	False	
Motor B Phase W Thermal Warning Fault - High-Side	True	
Motor B Phase W Comm Error High Voltage Regulator Fault - High-Side	False	
Motor B Phase W Comm Error Low Voltage Regulator Fault - High-Side	True	
Motor B Phase W SPI Error Fault - High-Side	False	

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

Motor B Phase V Over Voltage Fault VDD - Low-Side	False	
Motor B Phase V Under Voltage Fault VDD - Low-Side	False	
Motor B Phase W Over Voltage Fault VH - High-Side	False	
Motor B Phase W Under Voltage Fault VH - High-Side	True	
Motor B Phase W Over Voltage Fault VL - High-Side	False	
Motor B Phase W Under Voltage Fault VL - High-Side	False	
Motor B Phase W Over Voltage Fault VDD - High-Side	False	
Motor B Phase W Under Voltage Fault VDD - High-Side	False	
Motor B Phase W Thermal Shutdown Fault - High-Side	True	
Motor B Phase W Over Voltage Fault VH - Low-Side	False	
Motor B Phase W Under Voltage Fault VH - Low-Side	True	
Motor B Phase W Over Voltage Fault VL - Low-Side	False	
Motor B Phase W Under Voltage Fault VL - Low-Side	False	
Motor B Phase W Over Voltage Fault VDD - Low-Side	False	
Motor B Phase W Under Voltage Fault VDD - Low-Side	False	
Original Odometer Value	6189.7	miles
Most Recent Odometer Value	6189.7	miles
Frequency Counter	4	
Ignition Cycle Counter	0	
Real time clock	35349668	sec
RAM stamps keyOn	75	sec
RAM Stamps	2300	Min
Accelerator Pedal Position	0	%
Engine Speed	0	rpm
HV Battery SOC	25	%
Barometric Pressure	15	PSI
Vehicle Speed	0.0000	MPH
Engine Coolant Temperature	176	°F
Actual Torque - Motor B	0.000	Ft-Lbs
Available Motor Torque - Motor B	0.000	Ft-Lbs
Inverter B Input DC Current	0.0	AMP
Electric Motor B Speed	0.0	rpm
Motor B - Inverter Current - phase A	0	AMP
Motor B - Inverter Current - phase B	0	AMP
Motor B - Inverter Current - phase C	0	AMP
Motor B Resolver Supply Voltage Value	03FD	Volts
Battery Feed Voltage 2 Sense	11.952	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	11.736	Volts
Actual Torque - Motor A	0.000	Ft-Lbs
Available Regen Torque - Motor A	-93.658	Ft-Lbs
Available Motor Torque - Motor A	93.658	Ft-Lbs

Available Regen Torque - Motor B	0.000	Ft-Lbs
Commanded Torque - Motor A	0.000	Ft-Lbs
Commanded Torque - Motor B	0.000	Ft-Lbs
Motor A - Inverter Current - phase A	0	AMP
Motor A - Inverter Current - phase B	0	AMP
Motor A - Inverter Current - phase C	0	AMP
Motor A Resolver Angle	196	Degree
Motor B Resolver Angle	Invalid Value	Degree
Motor A Temp Sensor	77	°F
Motor B Temp Sensor	77	°F
Outside Air Temperature	77.0	°F
HV Battery Voltage from BPCM	180.00	Volts
Electric Motor A Speed	0.0	rpm
PIM DC Link Voltage - A	1	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
Distance Travelled with Light ON	3	miles
Motor B Torque	0.000	Ft-Lbs
Motor A Torque	0.000	Ft-Lbs
HV Battery Sleep Time	0	Days
Motor B Resolver Angle	Invalid Value	Degree
Motor B Temp Sensor	77	°F
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 | POC11-00 | STORED | DRIVE MOTOR A INVERTER PHASE U OVER TEMPERATURE-

NAME	VALUE	UNITS
DTC	0C 11 00	
Test Failed	False	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	

Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
Occurrence flag		
Brake Switch Status		
PHEV Charging Status		
Ignition State		
PRND Position Display		
Propulsion System Active		
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		
Hybrid System State		
HV Contactor Status		
Inverter B Status Feedback		
HCP ePT Wake-Up Output		
CBC Wake-Up Input		
EPT LOC Diag Enable		
APM Status		
Impact Event		
HCP System Shutdown Command		
OBCM Operating Mode		
J1772 Prox Detected State		
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		
Original Odometer Value		miles
Most Recent Odometer Value		miles
Frequency Counter		
Ignition Cycle Counter		
Real time clock		sec
RAM stamps keyOn		sec
RAM Stamps		Min
Accelerator Pedal Position		%
Engine Speed		rpm
HV Battery SOC		%
Vehicle Speed		MPH
Barometric Pressure		PSI
Engine Coolant Temperature		°F
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 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
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
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 A Resolver Angle		Degree
Motor B Resolver Angle		Degree
Motor A Temp Sensor		°F
Motor B Temp Sensor		°F
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
Distance Travelled with Light ON		miles
Motor A Torque		Ft-Lbs
Motor B Torque		Ft-Lbs
HV Battery Sleep Time		Days
Motor A Resolver Angle		Degree
Motor A Temp Sensor		°F
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 | P0C14-00 | STORED | DRIVE MOTOR B INVERTER PHASE U OVER TEMPERATURE-

NAME	VALUE	UNITS
DTC	0C 14 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		
Brake Switch Status		
PHEV Charging Status		
Ignition State		
Propulsion System Active		
PRND Position Display		
Commanded Inverter B State		
Inverter B Status Feedback		
Motor B Phase U Short Fault - High-Side		
Motor B Phase U Cross Conduction Fault - High-Side		
Motor B Phase U Thermal Warning Fault - High-Side		
Motor B Phase U Thermal Shutdown Fault - High-Side		
Motor B Phase U Comm Error High Voltage Regulator Fault - High-Side		
Motor B Phase U SPI Error Fault - High-Side		
Motor B Phase U Hardware Error Fault - High-Side		
Motor B Phase U Short Fault - Low-Side		
Motor B Phase U Cross Conduction Fault - Low-Side		
Motor B Phase U Over Current Fault - Low-Side		
Motor B Phase U Thermal Warning Fault - Low-Side		
Motor B Phase U Thermal Shutdown Fault - Low-Side		
Motor B Phase U Comm Error High Voltage Regulator Fault - Low-Side		
Motor B Phase U Comm Error Low Voltage Regulator Fault - Low-Side		
Motor B Phase U SPI Error Fault - Low-Side		
Motor B Phase U Hardware Error Fault - Low-Side		
Motor B Phase V Short Fault - High-Side		
Motor B Phase V Cross Conduction Fault - High-Side		
Motor B Phase V Over Current Fault - High-Side		
Motor B Phase V Thermal Warning Fault - High-Side		
Motor B Phase V Thermal Shutdown Fault - High-Side		
Motor B Phase V Comm Error High Voltage Regulator Fault - High-Side		

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

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

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

Motor B Resolver Angle		Degree
Motor B Temp Sensor		°F
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 | P0C1A-00 | ACTIVE | DRIVE MOTOR B TORQUE DELIVERED PERFORMANCE-

NAME	VALUE	UNITS
DTC	0C 1A 00	
Test Failed	True	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	True	
Occurrence flag	Occurrence	
Brake Switch Status	Applied	
PHEV Charging Status	No Charging	
Ignition State	Reserved	
PRND Position Display	N	
Propulsion System Active	True	
Commanded Inverter B State	Inverter Disabled	
Inverter B Status Feedback	Inverter Faulted	
Motor B Phase U Short Fault - High-Side	False	
Motor B Phase U Cross Conduction Fault - High-Side	False	
Motor B Phase U Thermal Warning Fault - High-Side	True	
Motor B Phase U Thermal Shutdown Fault - High-Side	True	
Motor B Phase U Comm Error High Voltage Regulator Fault - High-Side	False	
Motor B Phase U SPI Error Fault - High-Side	False	
Motor B Phase U Hardware Error Fault - High-Side	False	
Motor B Phase U Short Fault - Low-Side	False	
Motor B Phase U Cross Conduction Fault - Low-Side	False	
Motor B Phase U Over Current Fault - Low-Side	False	
Motor B Phase U Thermal Warning Fault - Low-Side	True	
Motor B Phase U Thermal Shutdown Fault - Low-Side	True	
Motor B Phase U Comm Error High Voltage Regulator Fault - Low-Side	False	
Motor B Phase U SPI Error Fault - Low-Side	False	
Motor B Phase U Comm Error Low Voltage Regulator Fault - Low-Side	False	

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

OBCM Operating Mode	UTC	
J1772 Prox Detected State	Prox Out	
Motor B Phase U Over Current Fault - High-Side	False	
Motor B Phase U Over Voltage Fault VH - High-Side	False	
Motor B Phase U Under Voltage Fault VH - High-Side	True	
Motor B Phase U Over Voltage Fault VL - High-Side	False	
Motor B Phase U Under Voltage Fault VL - High-Side	False	
Motor B Phase U Over Voltage Fault VDD - High-Side	False	
Motor B Phase U Under Voltage Fault VDD - High-Side	False	
Motor B Phase U Comm Error Low Voltage Regulator Fault - High-Side	False	
Motor B Phase U Over Voltage Fault VH - Low-Side	False	
Motor B Phase U Over Voltage Fault VL - Low-Side	False	
Motor B Phase U Under Voltage Fault VH - Low-Side	True	
Motor B Phase U Under Voltage Fault VL - Low-Side	False	
Motor B Phase U Over Voltage Fault VDD - Low-Side	False	
Motor B Phase V Over Voltage Fault VH - High-Side	False	
Motor B Phase U Under Voltage Fault VDD - Low-Side	False	
Motor B Phase V Under Voltage Fault VH - High-Side	True	
Motor B Phase V Over Voltage Fault VL - High-Side	False	
Motor B Phase V Under Voltage Fault VL - High-Side	False	
Motor B Phase V Over Voltage Fault VDD - High-Side	False	
Motor B Phase V Under Voltage Fault VDD - High-Side	False	
Motor B Phase V Over Voltage Fault VH - Low-Side	False	
Motor B Phase V Under Voltage Fault VH - Low-Side	True	
Motor B Phase V Over Voltage Fault VL - Low-Side	False	
Motor B Phase V Over Voltage Fault VDD - Low-Side	False	
Motor B Phase V Under Voltage Fault VL - Low-Side	False	
Motor B Phase V Under Voltage Fault VDD - Low-Side	False	
Motor B Phase W Over Voltage Fault VH - High-Side	False	
Motor B Phase W Under Voltage Fault VH - High-Side	True	
Motor B Phase W Over Voltage Fault VL - High-Side	False	
Motor B Phase W Under Voltage Fault VL - High-Side	False	
Motor B Phase W Over Voltage Fault VDD - High-Side	False	
Motor B Phase W Under Voltage Fault VDD - High-Side	False	
Motor B Phase W Thermal Shutdown Fault - High-Side	True	
Motor B Phase W Over Voltage Fault VH - Low-Side	False	
Motor B Phase W Under Voltage Fault VH - Low-Side	True	
Motor B Phase W Over Voltage Fault VL - Low-Side	False	
Motor B Phase W Under Voltage Fault VL - Low-Side	False	
Motor B Phase W Over Voltage Fault VDD - Low-Side	False	
Motor B Phase W Under Voltage Fault VDD - Low-Side	False	
Original Odometer Value	6189.7	miles
Most Recent Odometer Value	6189.7	miles
Frequency Counter	4	

Ignition Cycle Counter	0	
Real time clock	35346048	sec
RAM stamps keyOn	420	sec
RAM Stamps	2298	Min
Accelerator Pedal Position	0	%
Engine Speed	0	rpm
HV Battery SOC	25	%
Vehicle Speed	0.0534	MPH
Barometric Pressure	15	PSI
Actual Torque - Motor B	0.092	Ft-Lbs
Engine Coolant Temperature	181	°F
Available Motor Torque - Motor B	0.000	Ft-Lbs
Inverter B Input DC Current	0.0	AMP
Electric Motor B Speed	1687.5	rpm
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 Supply Voltage Value	03FD	Volts
Battery Feed Voltage 2 Sense	11.592	Volts
Internal EPS Voltage Sense A	0.288	Volts
Internal EPS Voltage Sense B	1.512	Volts
Battery Feed Voltage 1 Sense	11.592	Volts
Battery Feed Voltage 3 Sense	11.448	Volts
Actual Torque - Motor A	-0.092	Ft-Lbs
Available Motor Torque - Motor A	0.000	Ft-Lbs
Available Regen Torque - Motor A	0.000	Ft-Lbs
Available Regen Torque - Motor B	0.000	Ft-Lbs
Commanded Torque - Motor A	0.000	Ft-Lbs
Commanded Torque - Motor B	0.000	Ft-Lbs
Motor A - Inverter Current - phase A	-4	AMP
Motor A - Inverter Current - phase B	0	AMP
Motor A - Inverter Current - phase C	-4	AMP
Motor A Resolver Angle	196	Degree
Motor B Resolver Angle	Invalid Value	Degree
Motor A Temp Sensor	84	°F
Motor B Temp Sensor	73	°F
Outside Air Temperature	44.6	°F
HV Battery Voltage from BPCM	180.00	Volts
Electric Motor A Speed	0.0	rpm
PIM DC Link Voltage - A	0	Volts
PIM DC Link Voltage - B	2	Volts
Inverter A IGBT Temperature for phase A	288	°F
Inverter A IGBT Temperature for phase B	313	°F
Inverter A IGBT Temperature for phase C	289	°F

Inverter B IGBT Temperature for phase A	300	°F
Inverter B IGBT Temperature for phase B	298	°F
Inverter B IGBT Temperature for phase C	252	°F
Distance Travelled with Light ON	3	miles
Motor A Torque	-0.092	Ft-Lbs
Motor B Torque	0.092	Ft-Lbs
HV Battery Sleep Time	0	Days
Motor B Resolver Angle	Invalid Value	Degree
Motor B Temp Sensor	73	°F
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 | STORED | HCP INTERNAL - SHUTDOWN PERFORMANCE-

NAME	VALUE	UNITS
DTC	16 F9 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		
Occurrence flag		
Brake Switch Status		
PHEV Charging Status		
Ignition State		
Propulsion System Active		
PRND Position Display		
Static NVM CRC Status		
Main Processor Reset Source - Core 0		
Cumulative NVM CRC Status		
Main Processor Reset Source - Core 1		
Non Volatile RAM CRC Status		
Adaptable NVM CRC Status		
Expendable NVM CRC Status		
Preserved NVM CRC Status		
BSW EEPROM CRC Status		

MCPUninit EEPROM CRC Status		
MCPInit EEPROM CRC Status		
MCPB - MCPA SPI ARC Error Count		
MemShare CRC Error Count- Core 0		
MemShare ARC Error Count- Core 0		
HCP - MCPA SPI ARC Error Count		
HCP - MCPA SPI CRC Error Count		
MCPB - MCPA SPI CRC Error Count		
External Watchdog Fault		
MemShare CRC Error Count- Core 1		
MAIN Detected SPI Fault		
MainTPU_Flt		
Main Clock Fault		
MemShare ARC Error Count- Core 1		
MAIN ALU Fault		
Main Stack Fault		
Main Analog-to-Digital Converter Fault		
Main Detected Seed Received In Wrong Order		
Hybrid System State		
CBC Wake-Up Input		
HCP ePT Wake-Up Output		
EPT LOC Diag Enable		
HV Contactor Status		
Impact Event		
APM Status		
HCP System Shutdown Command		
OBCM Operating Mode		
J1772 Prox Detected State		
Most Recent Odometer Value		miles
Original Odometer Value		miles
Frequency Counter		
Ignition Cycle Counter		
Accelerator Pedal Position		%
RAM stamps keyOn		sec
RAM Stamps		Min
Real time clock		sec
Barometric Pressure		PSI
Engine Speed		rpm
Engine Coolant Temperature		°F
Vehicle Speed		MPH
Battery Feed Voltage 2 Sense		Volts
HV Battery SOC		%
Internal EPS Voltage Sense A		Volts
Internal EPS Voltage Sense B		Volts

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

NAME	VALUE	UNITS
DTC	1A EC 00	
Test Failed	True	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Confirmed DTC	False	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
Occurrence flag		
Brake Switch Status		
PHEV Charging Status		
Ignition State		
PRND Position Display		
Propulsion System Active		
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		
Hybrid System State		
HV Contactor Status		
Inverter B Status Feedback		
HCP ePT Wake-Up Output		
CBC Wake-Up Input		
EPT LOC Diag Enable		
APM Status		
Impact Event		
HCP System Shutdown Command		
OBCM Operating Mode		
J1772 Prox Detected State		
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		
Original Odometer Value		miles
Most Recent Odometer Value		miles
Frequency Counter		
Ignition Cycle Counter		
Real time clock		sec
RAM stamps keyOn		sec
RAM Stamps		Min
Accelerator Pedal Position		%
Engine Speed		rpm
HV Battery SOC		%
Vehicle Speed		MPH
Barometric Pressure		PSI

Engine Coolant Temperature		°F
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 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
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
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 A Resolver Angle		Degree
Motor B Resolver Angle		Degree
Motor A Temp Sensor		°F
Motor B Temp Sensor		°F
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 B		°F
Inverter B IGBT Temperature for phase A		°F
Inverter B IGBT Temperature for phase C		°F
Distance Travelled with Light ON		miles
Motor A Torque		Ft-Lbs
Motor B Torque		Ft-Lbs

HV Battery Sleep Time		Days
Motor A Resolver Angle		Degree
Motor A Temp Sensor		°F
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 | P1AEE-00 | ACTIVE | MCPA HV BATTERY SYSTEM VOLTAGE HIGH-

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

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

Original Odometer Value	6189.5	miles
Most Recent Odometer Value	6189.5	miles
Frequency Counter	1	
Ignition Cycle Counter	0	
Real time clock	35346012	sec
RAM stamps keyOn	375	sec
RAM Stamps	2298	Min
Accelerator Pedal Position	0	%
Engine Speed	1603	rpm
HV Battery SOC	25	%
Vehicle Speed	28.7044	MPH
Barometric Pressure	15	PSI
Engine Coolant Temperature	181	°F
Actual Torque - Motor A	-0.184	Ft-Lbs
Available Motor Torque - Motor A	0.000	Ft-Lbs
Inverter A Input DC Current	0.0	AMP
Electric Motor A Speed	691.5	rpm
Motor A - Inverter Current - phase A	0	AMP
Motor A - Inverter Current - phase B	4	AMP
Motor A - Inverter Current - phase C	-8	AMP
Motor A Resolver Supply Voltage Value	15.75	Volts
Battery Feed Voltage 2 Sense	13.248	Volts
Battery Feed Voltage 3 Sense	13.104	Volts
Internal EPS Voltage Sense A	8.064	Volts
Internal EPS Voltage Sense B	8.064	Volts
PIM DC Link Voltage - A	63	Volts
PIM DC Link Voltage - B	83	Volts
Passive Pump Coolant Temp In Sensor	50	°F
Low Temp Active Pump Speed	0	rpm
High Temp Aux Pump - Actual Speed	5760	rpm
Outside Air Temperature	44.6	°F
Battery Feed Voltage 1 Sense	13.176	Volts
Actual Torque - Motor B	-39.454	Ft-Lbs
Available Motor Torque - Motor B	45.354	Ft-Lbs
Available Regen Torque - Motor A	0.000	Ft-Lbs
Available Regen Torque - Motor B	-45.354	Ft-Lbs
Commanded Torque - Motor A	0.000	Ft-Lbs
Commanded Torque - Motor B	7.928	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 A Resolver Angle	196	Degree
Motor B Resolver Angle	316	Degree
Motor A Temp Sensor	93	°F

Motor B Temp Sensor	73	°F
HV Battery Voltage from BPCM	180.00	Volts
Electric Motor B Speed	3269.5	rpm
Inverter A IGBT Temperature for phase A	347	°F
Inverter A IGBT Temperature for phase B	347	°F
Inverter A IGBT Temperature for phase C	347	°F
Inverter B IGBT Temperature for phase A	329	°F
Inverter B IGBT Temperature for phase B	329	°F
Inverter B IGBT Temperature for phase C	273	°F
Distance Travelled with Light ON	3	miles
Motor A Torque	-0.184	Ft-Lbs
Motor B Torque	-39.454	Ft-Lbs
HV Battery Sleep Time	0	Days
Motor A Resolver Angle	196	Degree
Motor A Temp Sensor	93	°F
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 | P1E18-00 | STORED | INTERNAL CONTROL MODULE ELECTRONIC PARK PERFORMANCE-

NAME	VALUE	UNITS
DTC	1E 18 00	
Test Failed	False	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed This Operation Cycle	False	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Warning Indicator Requested	True	
Occurrence flag		
Brake Switch Status		
PHEV Charging Status		
PRND Position Display		
Ignition State		
Propulsion System Active		
Shift Lock Status		
Reverse Shift Lock Status		
Auto Correction Request		
PRND Blink		

Park Pawl Motor Direction		
Park Pawl Motor Enable Feedback		
Park Pawl Status Feedback		
Park Gated Switch		
Failure Reasons for Level 2 eShift		
Hybrid System State		
HCP ePT Wake-Up Output		
CBC Wake-Up Input		
EPT LOC Diag Enable		
HV Contactor Status		
APM Status		
Impact Event		
HCP System Shutdown Command		
OBCM Operating Mode		
J1772 Prox Detected State		
Original Odometer Value		miles
Most Recent Odometer Value		miles
Ignition Cycle Counter		
Frequency Counter		
Real time clock		sec
RAM stamps keyOn		sec
RAM Stamps		Min
Accelerator Pedal Position		%
Engine Speed		rpm
HV Battery SOC		%
Vehicle Speed		MPH
Barometric Pressure		PSI
PP Actuator Position Sensor Voltage		Volts
Engine Coolant Temperature		°F
Park Pawl Motor Counts		Counts
Park Pawl Motor PWM1		%
Park Pawl Motor Current		AMP
Battery Feed Voltage 2 Sense		Volts
Internal EPS Voltage Sense A		Volts
Battery Feed Voltage 3 Sense		Volts
Internal EPS Voltage Sense B		Volts
Battery Feed Voltage 1 Sense		Volts
Actual Torque - Motor A		Ft-Lbs
Actual Torque - Motor B		Ft-Lbs
Available Motor Torque - Motor A		Ft-Lbs
Available Motor Torque - Motor B		Ft-Lbs
Available Regen Torque - Motor A		Ft-Lbs
Available Regen Torque - Motor B		Ft-Lbs
Commanded Torque - Motor B		Ft-Lbs

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

HCP | P26C3-00 | STORED | INTERNAL CONTROL MODULE ELECTRONIC SHIFTER PERFORMANCE-

NAME	VALUE	UNITS
DTC	26 C3 00	
Test Failed	False	
Test Failed This Operation Cycle	True	
Confirmed DTC	True	
Pending DTC	True	
Test Not Completed Since Last Clear	False	
Test Not Completed This Operation Cycle	False	

Test Failed Since Last Clear	True	
Warning Indicator Requested	True	
Occurrence flag		
Brake Switch Status		
PHEV Charging Status		
Ignition State		
PRND Position Display		
Propulsion System Active		
Reverse Shift Lock Status		
Shift Lock Status		
PRND Blink		
Park Pawl Motor Direction		
Auto Correction Request		
Park Pawl Motor Enable Feedback		
Park Gated Switch		
Park Pawl Status Feedback		
Failure Reasons for Level 2 eShift		
Hybrid System State		
HCP ePT Wake-Up Output		
CBC Wake-Up Input		
EPT LOC Diag Enable		
HV Contactor Status		
APM Status		
HCP System Shutdown Command		
Impact Event		
J1772 Prox Detected State		
OBCM Operating Mode		
Original Odometer Value		miles
Most Recent Odometer Value		miles
Frequency Counter		
Real time clock		sec
Ignition Cycle Counter		
RAM Stamps		Min
RAM stamps keyOn		sec
Engine Speed		rpm
Accelerator Pedal Position		%
HV Battery SOC		%
Barometric Pressure		PSI
PP Actuator Position Sensor Voltage		Volts
Vehicle Speed		MPH
Engine Coolant Temperature		°F
Park Pawl Motor PWM1		%
Park Pawl Motor Current		AMP
Battery Feed Voltage 2 Sense		Volts

Park Pawl Motor Counts		Counts
Battery Feed Voltage 3 Sense		Volts
Internal EPS Voltage Sense A		Volts
Internal EPS Voltage Sense B		Volts
Battery Feed Voltage 1 Sense		Volts
Actual Torque - Motor A		Ft-Lbs
Actual Torque - Motor B		Ft-Lbs
Available Motor Torque - Motor A		Ft-Lbs
Available Motor Torque - Motor B		Ft-Lbs
Available Regen Torque - Motor A		Ft-Lbs
Available Regen Torque - Motor B		Ft-Lbs
Commanded Torque - Motor A		Ft-Lbs
Commanded Torque - Motor B		Ft-Lbs
Motor A - Inverter Current - phase B		AMP
Motor A - Inverter Current - phase A		AMP
Motor A - Inverter Current - phase C		AMP
Motor B - Inverter Current - phase A		AMP
Motor B - Inverter Current - phase C		AMP
Motor B - Inverter Current - phase B		AMP
Motor A Resolver Angle		Degree
Motor B Resolver Angle		Degree
Motor A Temp Sensor		°F
Motor B Temp Sensor		°F
Outside Air Temperature		°F
HV Battery Voltage from BPCM		Volts
Electric Motor A Speed		rpm
Electric Motor B Speed		rpm
PIM DC Link Voltage - B		Volts
PIM DC Link Voltage - A		Volts
Inverter A IGBT Temperature for phase A		°F
Inverter A IGBT Temperature for phase B		°F
Inverter A IGBT Temperature for phase C		°F
Inverter B IGBT Temperature for phase B		°F
Inverter B IGBT Temperature for phase A		°F
Inverter B IGBT Temperature for phase C		°F
Distance Travelled with Light ON		miles
Motor A Torque		Ft-Lbs
Motor B Torque		Ft-Lbs
HV Battery Sleep Time		Days
GPS Date - Year		Year
GPS Date - Month		
GPS Date - Day		Days
UTC Time - Minutes		
UTC Time - Hours		Hours

UTC Time - Seconds		seconds
ECU Time - Milliseconds		ms

HCP | U0415-00 | STORED | INVALID DATA RECEIVED FROM ANTI-LOCK BRAKE SYSTEM (ABS) CONTROL MODULE 'A'

NAME	VALUE	UNITS
DTC	C4 15 00	
Test Failed	False	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	True	
Occurrence flag		
Brake Switch Status		
Ignition State		
PRND Position Display		
Propulsion System Active		
HCP ePT Wake-Up Output		
CBC Wake-Up Input		
HCP System Shutdown Command		
SW Build Release Version		
HCP SW Version		
EPT LOC Diag Enable		
HV Contactor Status		
APM Status		
Impact Event		
OBCM Operating Mode		
J1772 Prox Detected State		
Hybrid System State		
PHEV Charging Status		
Original Odometer Value		miles
Most Recent Odometer Value		miles
Ignition Cycle Counter		
Frequency Counter		
Real time clock		sec
RAM stamps keyOn		sec
RAM Stamps		Min
Accelerator Pedal Position		%
Engine Speed		rpm
HV Battery SOC		%
Vehicle Speed		MPH
Motor A Temp Sensor		°F

Motor B Temp Sensor		°F
Barometric Pressure		PSI
Engine Coolant Temperature		°F
Internal EPS Voltage Sense A		Volts
Internal EPS Voltage Sense B		Volts
Motor B Torque		Ft-Lbs
Motor A Torque		Ft-Lbs
Actual Torque - Motor A		Ft-Lbs
Actual Torque - Motor B		Ft-Lbs
Available Motor Torque - Motor A		Ft-Lbs
Available Motor Torque - Motor B		Ft-Lbs
Available Regen Torque - Motor A		Ft-Lbs
Available Regen Torque - Motor B		Ft-Lbs
Commanded Torque - Motor A		Ft-Lbs
Commanded Torque - Motor B		Ft-Lbs
Motor A - Inverter Current - phase A		AMP
Motor A - Inverter Current - phase B		AMP
Motor A - Inverter Current - phase C		AMP
Motor B - Inverter Current - phase A		AMP
Motor B - Inverter Current - phase B		AMP
Motor B - Inverter Current - phase C		AMP
Motor B Resolver Angle		Degree
Motor A Resolver Angle		Degree
Electric Motor A Speed		rpm
Electric Motor B Speed		rpm
PIM DC Link Voltage - A		Volts
PIM DC Link Voltage - B		Volts
HV Battery Voltage from BPCM		Volts
Outside Air Temperature		°F
HV Battery Sleep Time		Days
Battery Feed Voltage 1 Sense		Volts
Battery Feed Voltage 2 Sense		Volts
Battery Feed Voltage 3 Sense		Volts
Inverter A IGBT Temperature for phase A		°F
Inverter A IGBT Temperature for phase B		°F
Inverter A IGBT Temperature for phase C		°F
Inverter B IGBT Temperature for phase A		°F
Inverter B IGBT Temperature for phase B		°F
Inverter B IGBT Temperature for phase C		°F
Distance Travelled with Light ON		miles
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
Pending DTC	True	
DTC	C6 23 00	
Test Failed	True	
Test Failed This Operation Cycle	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Warning Indicator Requested	True	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Occurrence flag		
Brake Switch Status		
Propulsion System Active		
PHEV Charging Status		
Ignition State		
PRND Position Display		
Thermal System Enable State		
Chiller Shut-Off Valve Status		
High Temperature Shut-Off Valve Status		
Front Refrigerant Shut-Off Valve Status		
Hybrid System State		
Reserved		
CBC Wake-Up Input		
EPT LOC Diag Enable		
HV Contactor Status		
APM Status		
Impact Event		
OBCM Operating Mode		
HCP System Shutdown Command		
J1772 Prox Detected State		
Most Recent Odometer Value		miles
Frequency Counter		
RAM stamps keyOn		sec
Real time clock		sec
Original Odometer Value		miles
Ignition Cycle Counter		
RAM Stamps		Min
Accelerator Pedal Position		%
Engine Speed		rpm

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

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

HCP | U1852-00 | STORED | IMPLAUSIBLE DATA RECEIVED FROM ABS ON D-PT

NAME	VALUE	UNITS
DTC	D8 52 00	
Test Failed	False	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Not Completed This Operation Cycle	False	
Test Failed Since Last Clear	True	
Warning Indicator Requested	True	
Occurrence flag		
Brake Switch Status		
Ignition State		
PRND Position Display		
Propulsion System Active		
HCP ePT Wake-Up Output		
CBC Wake-Up Input		
HCP System Shutdown Command		
SW Build Release Version		
HCP SW Version		
EPT LOC Diag Enable		
HV Contactor Status		
APM Status		
Impact Event		
OBCM Operating Mode		
J1772 Prox Detected State		

Hybrid System State		
PHEV Charging Status		
Original Odometer Value		miles
Most Recent Odometer Value		miles
Ignition Cycle Counter		
Frequency Counter		
Real time clock		sec
RAM stamps keyOn		sec
RAM Stamps		Min
Accelerator Pedal Position		%
Engine Speed		rpm
HV Battery SOC		%
Vehicle Speed		MPH
Motor A Temp Sensor		°F
Motor B Temp Sensor		°F
Barometric Pressure		PSI
Engine Coolant Temperature		°F
Internal EPS Voltage Sense A		Volts
Internal EPS Voltage Sense B		Volts
Motor A Torque		Ft-Lbs
Motor B Torque		Ft-Lbs
Actual Torque - Motor A		Ft-Lbs
Actual Torque - Motor B		Ft-Lbs
Available Motor Torque - Motor A		Ft-Lbs
Available Motor Torque - Motor B		Ft-Lbs
Available Regen Torque - Motor A		Ft-Lbs
Available Regen Torque - Motor B		Ft-Lbs
Commanded Torque - Motor A		Ft-Lbs
Commanded Torque - Motor B		Ft-Lbs
Motor A - Inverter Current - phase A		AMP
Motor A - Inverter Current - phase B		AMP
Motor A - Inverter Current - phase C		AMP
Motor B - Inverter Current - phase A		AMP
Motor B - Inverter Current - phase B		AMP
Motor B - Inverter Current - phase C		AMP
Motor B Resolver Angle		Degree
Motor A Resolver Angle		Degree
Electric Motor A Speed		rpm
Electric Motor B Speed		rpm
PIM DC Link Voltage - A		Volts
PIM DC Link Voltage - B		Volts
HV Battery Voltage from BPCM		Volts
Outside Air Temperature		°F
HV Battery Sleep Time		Days

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

ABSO | C0501-00 | STORED | LEFT FRONT WHEEL SPEED SENSOR 'A' RANGE/PERFORMANCE-

NAME	VALUE	UNITS
DTC	45 01 00	
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Not Completed This Operation Cycle	True	
Test Failed Since Last Clear	False	
Occurrence flag	ERROR	
Warning Indicator Requested	False	
Controller Event	No	
Mirror Memory	No	
Undervoltage Suspected	No	
Current System Mode	CAN active	
Previous System Mode	CAN active	
System Condition	OK	
Brake Pedal Status	Released	
Rotation Direction Left Front	Forward	
Rotation Direction Right Front	Forward	
Rotation Direction Left Rear	Forward	
Rotation Direction Right Rear	Forward	
ABS control	Not active	
ASR control	Not active	
EBV control	Not active	

MSR 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	Static	
BLS High	No	
Park Brake	Not Activated	
BLS Low	Yes	
ESP-OFF mode	No	
Clutch	Not Activated	
Stop Coordinator Active	No	
Actual Gear	P	
Transmission selector lever setting	P	
Status Parking Brake Left	Brake is Released	
Status Parking Brake Right	Brake is Released	
EPB Switch Status	Idle	
Most Recent Odometer Value	6184	miles
Original Odometer Value	6184	miles
Frequency Counter	1	
Ignition Cycle Counter	0	
Fault Time	414.20	S
Supply Voltage Valves	12.1	V
Supply voltage Pump	12.1	V
Brake Pedal Travel Sensor Position	0	%
Wheel Speed Left Front	0.000	MPH
Ignition Unfiltered	0.0	V
Wheel Speed Right Front	0.000	MPH
Wheel Speed Right Rear	10.066	MPH
Wheel Speed Left Rear	10.066	MPH
Longitudinal Acceleration	0.00	m/s^2
Steering Wheel Angle	6.40	°
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	%
Supplier Internal Code	501	

ABSO | C0507-00 | STORED | RIGHT FRONT WHEEL SPEED SENSOR 'A' RANGE/PERFORMANCE-

NAME	VALUE	UNITS
DTC	45 07 00	

Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	True	
Test Not Completed Since Last Clear	False	
Confirmed DTC	True	
Test Failed Since Last Clear	False	
Test Not Completed This Operation Cycle	True	
Occurrence flag	ERROR	
Warning Indicator Requested	False	
Controller Event	No	
Mirror Memory	No	
Undervoltage Suspected	No	
Current System Mode	CAN active	
Previous System Mode	CAN active	
System Condition	OK	
Brake Pedal Status	Released	
Rotation Direction Left Front	Forward	
Rotation Direction Right Front	Forward	
Rotation Direction Left Rear	Forward	
Rotation Direction Right Rear	Forward	
ABS control	Not active	
ASR control	Not active	
MSR control	Not active	
EBV control	Not active	
ESP Control	Not active	
HBA control	Not active	
HSA control	Not active	
Hold	No	
Braking assistance system	No Assistance System Is Braking	
Plant Mode	No	
EPB Mode Status	Static	
BLS High	No	
BLS Low	Yes	
Park Brake	Not Activated	
Clutch	Not Activated	
ESP-OFF mode	No	
Stop Coordinator Active	No	
Actual Gear	P	
Transmission selector lever setting	P	
Status Parking Brake Left	Brake is Released	
EPB Switch Status	Idle	
Status Parking Brake Right	Brake is Released	
Original Odometer Value	6184	miles
Most Recent Odometer Value	6184	miles

Frequency Counter	1	
Ignition Cycle Counter	0	
Fault Time	414.20	S
Supply Voltage Valves	12.1	V
Supply voltage Pump	12.1	V
Brake Pedal Travel Sensor Position	0	%
Wheel Speed Left Front	0.000	MPH
Ignition Unfiltered	0.0	V
Wheel Speed Right Front	0.000	MPH
Wheel Speed Right Rear	10.066	MPH
Wheel Speed Left Rear	10.066	MPH
Longitudinal Acceleration	0.00	m/s^2
Steering Wheel Angle	6.40	°
Primary Circuit Pressure	0.00	PSI
Lateral Acceleration	0.00	m/s^2
Yaw Rate	0.000	°/s
Engine Speed	0.0	rpm
Accelerator Pedal Position	0.0	%
Supplier Internal Code	514	

SNAPSHOT DATA SUMMARY