

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.)



CONFIGURATION REPORT

Vehicle 2020 CHRYSLER PACIFICA (PHEV) 3.6L V6 HYBRID ENGINE
VIN 2C4RC1N7 [REDACTED]

Odometer 2103.8 miles
Publication Date Mar 3, 2021, 3:47:50 PM

ECU SUMMARY INFO

ECU	NAME	BUS TYPE	FLASH PART #	CURREN	ORIGINA	PART #
PCM	Powertrain Control Module	CAN-C	68444229AE	2C4RC1N	2C4RC1N	68444229AE
ICS	Integrated Center Stack	CAN-I	6UX601X8AA	2C4RC1N	2C4RC1N	6UX601X8AA
RFH	Radio Frequency Hub	CAN-C	68453559AB	2C4RC1N	2C4RC1N	68453559AB
ESM	Electronic Shifter	CAN-C	68240089AM	2C4RC1N	2C4RC1N	68240089AM
ORC	Occupant Restraint	CAN-C	68453076AD	2C4RC1N	2C4RC1N	68453076AD
EPS	Electric Power Steering	CAN-C	68460392AA	2C4RC1N	2C4RC1N	68460392AA
HVAC	Heat, Ventilation and A/C	CAN-I	68447893AC	2C4RC1N	2C4RC1N	68447893AC
DDM	Driver Door Module	CAN-I	68424449AC	2C4RC1N	2C4RC1N	68424449AC
PDM	Passenger Door Module	CAN-I	68424448AC	2C4RC1N	2C4RC1N	68424448AC
DMRL	Door Module Rear Left	CAN-I	68225096AG	2C4RC1N	2C4RC1N	68225096AG
DMRR	Door Module Rear Right	CAN-I	68225096AG	2C4RC1N	2C4RC1N	68225096AG
PSDML	Power Sliding Doors (Left)	CAN-I	68369596AD	2C4RC1N	2C4RC1N	68369596AD
PSDMR	Power Sliding Doors (Right)	CAN-I	68369596AD	2C4RC1N	2C4RC1N	68369596AD
MSM	Memory Seat Module	CAN-I	68321862AC	2C4RC1N	2C4RC1N	68321862AC
PLGM	Power Liftgate	CAN-I	68316094AF	2C4RC1N	2C4RC1N	68316094AF
CSWM	Comfort Seat Wheel Module	CAN-I	68434912AC	2C4RC1N	2C4RC1N	68434912AC
AMP	Amplifier	CAN-I	68448067AA	2C4RC1N	2C4RC1N	68448067AA
IPC	Instrument Panel Cluster	CAN-C	68434956AD	2C4RC1N	2C4RC1N	68434956AD
PTS	Parktronics	CAN-C	68193772AJ	2C4RC1N	2C4RC1N	68193772AJ
SCCM	Steering Column Control Module	CAN-C	68360889AD	2C4RC1N	2C4RC1N	68360889AD
BCM	Body Controller	CAN-C	68424601AF	2C4RC1N	2C4RC1N	68424601AF

RADIO	Radio	CAN-I	68461768AD	2C4R		2C4RC1N	68461768AD
OCM	Occupant Classification	CAN-C	68403127AA	2C4R		2C4RC1N	68403127AA
HVACR	Heat, Ventilation and A/C Rear	CAN-I	68373079AB	2C4R		2C4RC1N	68373079AB
LBSS	Left Blind Spot Sensor	CAN-I	04672786AB	2C4R		2C4RC1N	04672786AB
RBSS	Right Blind Spot Sensor	CAN-I	04672786AB	2C4R		2C4RC1N	04672786AB
EDM	External Disc Module	CAN-I	68378304AB	2C4R		2C4RC1N	68378304AB
APM	Accessory Power Module	CAN-C	05185046AB	2C4R		2C4RC1N	05185046AB
BPCM	Battery Pack Control Module	CAN-C	05193166AE	2C4R		2C4RC1N	05193166AE
HCP	Hybrid Control Processor	CAN-C	05190265AF	2C4R		2C4RC1N	05190265AF
OBCM	On Board Charging Module	CAN-C	05185047AE	2C4R		2C4RC1N	05185047AE
MSMP	Memory Seat Module - Passenger	CAN-I	68321862AC	2C4R		2C4RC1N	68321862AC
DSM	Display Screen Module	CAN-I	68316174AC	2C4R		2C4RC1N	68316174AC
VRM	Video Routing Module	CAN-I	68376134AG	2C4R		2C4RC1N	68376134AG
RCCC	Rear Cabin Comfort Controls	CAN-I	6WL30DX9AA	2C4R		2C4RC1N	6WL30DX9AA
EAC	Electric A/C Compressor	CAN-C	68237995AG	2C4R		2C4RC1N	68237995AG
AHCP	Auxiliary Hybrid Control Processor	CAN-C	05190266AF	2C4R		2C4RC1N	05190266AF
EBBM	Electronic Brake Booster Module	CAN-C	68461813AB	2C4R		2C4RC1N	68461813AB
ABSO	Anti Lock Brakes OBD	CAN-C	68471122AD	2C4R		2C4RC1N	68471122AD
SGW	Security Gateway Module	CAN-C	68447193AB			2C4RC1N	68447193AB

ECU SUMMARY INFO (CONT...)

ECU	COUNTRY CODE	HARDWARE VERSION	SOFTWARE VERSION	IDENT	CVNS
PCM	USA	1B 47	46 03 01	4419	DFF8E724
ICS	USA	0F 0C 00	12 25 00	4400	
RFH	USA / USA	10 17 00	13 09 00	4A00	
ESM	USA / USA	0F 24 00	12 28 FF	4402	
ORC	USA / USA	12 1A 00	13 2E 00	4301	
EPS	USA / USA	12 2A 00	12 1E 01	4502	
HVAC	USA	0E 09 00	13 05 01	4401	
DDM	USA	11 07 00	13 0B 00	4202	
PDM	USA	11 07 00	13 0B 00	4202	
DMRL	USA / USA	10 0B 00	12 0C 00	4201	
DMRR	USA / USA	10 0B 00	12 0C 00	4201	

PSDML	USA / USA	10 17 00	14 10 12	4001	
PSDMR	USA / USA	10 17 00	14 10 12	4001	
MSM	USA	0F 2B 00	10 27 03	4101	
PLGM	USA	17 19 00	18 22 00	4202	
CSWM	USA	11 2A 00	13 2C 00	4302	
AMP	USA	0F 06 01	12 2E 01	4021	
IPC	USA / USA	12 06 00	14 0B 00	4704	
PTS	USA	0E 32 00	12 1F 00	4311	
SCCM	USA	13 28 00	13 29 00	4301	
BCM	USA	0D 11 00	14 1B 90	4415	
RADIO	USA	13 31 14	13 31 14	8205	
OCM	USA / USA	11 1F 01	0E 2F 02	4030	
HVACR	USA	0E 09 00	10 03 02	4301	
LBSS	USA / USA	11 30 02	12 0D 00	4202	
RBSS	USA / USA	11 30 02	12 0D 00	4202	
EDM	USA	12 0A 00	11 08 00	4000	
APM	USA / USA	11 32 00	11 32 00	4001	
BPCM	Not programmed / COUNTRY_SNA	0E 03 00	14 19 00	4005	87EC2289
HCP	USA	11 1F 04	19 48 01	4005	6AE19B37 847169A3 050DC953
OBCM	USA	0F 0D 00	12 02 00	4002	
MSMP	USA	0F 2B 00	10 27 03	4001	
DSM	USA / USA	13 29 00	12 23 00	4000	
VRM	USA / USA	0F 1C 00	13 26 11	4001	
RCCC	USA	0F 1D 00	13 04 00	4000	
EAC	USA	0E 34 00	12 0F 00	4102	
AHCP	USA	11 1F 04	19 48 01	4000	
EBBM	USA	0E 19 02	14 0D 18	4000	E5898FA5
ABSO	USA	0E 15 02	14 1B 26	4201	4F158D1B
SGW		5	779	4103	

CONFIGURATION

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	
High Side Port Tumble Valve Equipped	False	
Aux Coolant Pump Heater Equipped	False	
Heater Temp Control Valve Equipped	False	
Mechanical Coolant Pump Equipped	False	
Wastegate HBridge Equipped	False	
2.0 Liter I4 Direct Injection Engine	False	

Coolant On-Off Pump Equipped	Not Equipped	
1.0 Liter I3 Engine	False	
Primary Lin Alternator Equipped	Not Equipped	
Variable Valve Lift Equipped	Not Equipped	
Remote Start Present	Present	
Dual Fuel Tank Equipped	False	
Auxillary Coolant Pump Equipped	False	
Cooled EGR Equipped	False	
Dual Alternator Gen1 Capable	False	
A/C Relay Powered from Engine Switched Battery	False	
Supercharger Equipped	False	
Low Temp Radiator Coolant Pump Equipped	False	
PTO System Equipped	False	
CNG Large Gas Tank Equipped	False	
HPT 6-Speed Trans Equipped	False	
Hybrid MEC Shifter Equipped	False	
Engine Idle Shutoff Equipped	False	
ZF 9-Speed Trans Equipped	False	
MDS Equipped	False	
Variable Speed Fuel Pump Equipped	True	
ERS Equipped Indicator	False	
O2 Sensor Bank 1 Sensor 1 Equipped	True	
GPEC2 Equipped	False	
ESIM Equipped	False	
Intake Cam 2 Equipped	True	
Engine Stop Start Equipped	False	
Trans Skip Shift Equipped	False	
VFS Actuators Available Indicator	False	
Transmission Oil Heater Equipped	False	
Secondary Air Equipped	False	
3.5 Liter V6 Engine	False	
O2 Sensor Bank 2 Sensor 2 Equipped	True	
PWM Fan Motor System Equipped	True	
1 Speed Fan Mechanical Relay System Equipped	False	
Vehicle Speed Sensor #1 Calculated from CAN	False	
4.0 Liter I6 Engine	False	
6.1 Liter V8 Engine	False	
Active Engine Mount Equipped	False	
Primary Lin Alternator Equipped	False	
Auxiliary Heater Electric Water Pump Equipped	False	
Sensorless FFV Enabled	False	
Throttle Inlet Temp Sensor Equipped	False	
Electronic Automatic Transmission (EATX) Equipped	False	
WI4 Intake Flow Control Valve Equipped	False	

Wide Range O2 Sensor 1/1 Equipped	False	
2.7 Liter V6 Engine	False	
GPEC2A Equipped	True	
Auxiliary Coolant Pump Heater Equipped	Undefined	
Active Grille Shutter Equipped	True	
Cooled EGR Equipped	False	
GPEC4 Equipped	False	
Unleaded diesel fuel	False	
PTO System Equipped	False	
Supercharger Equipped	False	
WI4 Variable Valve Timing Equipped	True	
Oil Pressure Sensor Enabled	True	
Low Temperature Radiator Coolant Pump Equipped	False	
High Side Port Tumble Valve Equipped	Undefined	
Fiat VIN Learning Strategy Equipped	False	
ICC Cruise Equipped	False	
Starter Relay 2 Equipped	False	
ZF 9-Speed Transmission Equipped	False	
Next Gen Bus Equipped	False	
Humidity, Temperature and Pressure Sensor (LIN) Equipped	False	
3.0 Liter V6 Engine	False	
3.6 Liter V6 Engine	True	
Mechanical Coolant Pump Heater Equipped	False	
Active Exhaust Pressure Sensor Equipped	False	
VMM Equipped	False	
Dual Fuel Pressure Sensor Equipped	False	
Air Shutoff Valve Bank 1 Control Solenoid 2 Equipped	False	
Exhaust Cam 1 Equipped	True	
Trans Reverse Lockout Equipped	False	
Fan Wake Up Relay System Equipped	False	
66RFE / 68RFE	False	
Wastegate H-Bridge Equipped	Undefined	
Brake Pedal Sensor Equipped	False	
Viscosity Sensor Equipped	False	
Coolant On-Off Pump Equipped	False	
AC Equipped	False	
6.4 Liter V8 Engine	False	
Secondary Fuel Pump Equipped	False	
3.7 Liter V6 Engine	False	
Linear PWM Fan Relay System Equipped	False	
CMCV H-Bridge Equipped	Undefined	
Operator Idle Speed Request Equipped	False	
Tumble Generator Valve Equipped	False	
Electric Thermostat Heater Equipped	False	

CUSW PROXI Write Programming Support Enabled	False	
Electronic Throttle Control Equipped	True	
VLP Is Learnable Indicator	False	
AC Equipped Over Bus	False	
2.0 Liter I4 engine	False	
1.0 Liter I3 Engine	False	
Electric Coolant Valve Equipped	False	
Engine Software In Package	True	
Adaptive Cruise Control Hardware Equipped	False	
Duty Cycle Purge Valve Equipped	True	
GPEC3 Equipped	False	
Air Shutoff Valve Bank 1 Control Solenoid 1 Equipped	False	
40TE / 41TE / 41TEA	False	
45RFE / 545RFE / 65RFE	False	
Coolant On-Off Valve Equipped	False	
Turbocharger Equipped	False	
EMAT (Getrag DCT transmission) Equipped	False	
Adaptive Cruise Control Equipped	False	
Dual Stage Oil Pump Equipped	True	
2.4 Liter I4 engine	False	
Power Steering Switch Equipped	False	
O2 Sensor Bank 2 Sensor 1 Equipped	True	
Police Package Equipped	False	
3 Speed Fan Mechanical Relay System Equipped	False	
Engine Idle Shutoff Equipped	False	
Fixed displacement AC Equipped	True	
Clutch Interlock Switch Equipped	False	
Intake Cam 1 Equipped	True	
3.8 Liter V6 Engine	False	
Electronic Coolant Pump Equipped	False	
TIP Equipped	False	
Aisin 6-Speed RWD Transmission Equipped	False	
4 Speed Automatic Transmission Equipped	False	
Variable Displacement AC Equipped	False	
Active Exhaust Valve Equipped	False	
Exhaust Cam 2 Equipped	True	
Turbine Volute Valve Actuator Equipped	Undefined	
TOOLCONFIG_OIL_PRESS_ABS_EQUIPPED	True	
Buffered Crank Output for PHEV Engine Pulse Calculation Equipped	True	
Constant Heater Temperature Control Valve Equipped	False	
Continuous Variable Transmission Equipped	False	
3.3 Liter V6 Engine	False	
Brushless PWM Fan Equipped	NOT_FAN_PWM_BOSCH_BRUSHLESS_CNFG	
Electric Water Pump Equipped	False	

1.8 Liter W14 engine	False	
4.7 Liter V8 Engine	False	
Compressed Natural Gas Equipped	False	
3.2 Liter V6 Engine	False	
Vehicle Speed Sensor #1 Calculated by ECU	False	
SRV Equipped	False	
62TE	False	
Battery Temp Sensor Equipped	False	
HPT 6-Speed Transmission Equipped	False	
DUAL_ALTERNATOR_GEN1_LEARNEDCOPY	False	
CUSW (29-Bit) Equipped	False	
Inrush Current Reduction Relay Equipped	False	
Dual Speed Fuel Pump Equipped	False	
CUSW (11-Bit) Equipped	False	
Shift Indicator Lamp Equipped	False	
VLP Equipped Indicator	False	
2 Speed Fan PWM Relay System Equipped	False	
4 Button Integrated Cruise Control	False	
Direct Injection Equipped	False	
Electronic Vacuum Pump Equipped	False	
Air Shutoff Valve Bank 2 Control Solenoid 2 Equipped	False	
Hybrid Electric Vehicle Equipped	True	
6.2 Liter V8 Engine	False	
5.7 Liter V8 Engine	False	
Wide Range O2 Sensor 2/1 Equipped	False	
Cummins Equipped	False	
Fiat 940 Compact Equipped	False	
A/C Equipped	False	
Knock Sensor 1 Equipped	True	
Yaw Rate Sensor ESC Equipped	False	
Unleaded Gasoline Fuel	True	
Port Flap Valve Equipped	False	
Barometric Sensor Equipped	False	
Auxiliary Coolant Pump Equipped	False	
O2 Sensor Bank 1 Sensor 2 Equipped	True	
42RLE	False	
MTV Solenoid Equipped	False	
Rear Heater Equipped	False	
Transmission Software Included	False	
O2 Sensor Bank 1 Sensor 3 Equipped	False	
ETC Cruise equipped	False	
Dual Fuel Tank Equipped	False	
2 Speed Fan 3 Driver 3 Relay System Equipped	False	
MultiAir Equipped	False	

Linear EGR Equipped	False	
Powernet Equipped	True	
Linear Purge Equipped	False	
Buffered Crank Output for ANC (Active Noise Cancellation) Equipped	True	
2 Speed Fan Mechanical Relay System Equipped	False	
Knock Sensor 2 Equipped	True	
Engine Oil Heater Cooler Equipped	True	
Bi-Directional Crank Sensor Equipped	True	
Dual Fuel Pressure Sensor Equipped	False	
CUSW 4-Button Cruise Equipped	False	
Make Up Air Sensor Equipped	False	
Cylinder Pressure Sensor Equipped	False	
Throttle Inlet Temp Sensor Equipped	False	
5 Button Cruise (LIN) Equipped	True	
Brake Pedal Sensor Equipped	False	
Power Steering Angle Sensor Mandatory	False	
INTAKE O2 SENSOR EQUIPPED	False	
LIN Humidity, Temp, and Pressure Sensor Equipped	False	
Operator Idle Speed Request Equipped	False	
SWAP HARDWIRED BRAKE SWITCH INPUTS	False	
Clutch Sensor Equipped	False	
Mass Airflow System Equipped	False	
Engine Oil Pressure Sensor Type	255	None

ICS CONFIGURATION

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

RFH CONFIGURATION

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

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

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

ORC CONFIGURATION

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

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

EPS CONFIGURATION

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

PDM CONFIGURATION

NAME	VALUE	UNITS
Frameless Window	False	

PSDML CONFIGURATION

NAME	VALUE	UNITS
VSIM Status	False	

PSDMR CONFIGURATION

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

MSM CONFIGURATION

NAME	VALUE	UNITS
Adjustable Pedals	False	
Telescope/Tilt	False	

CSWM CONFIGURATION

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

AMP CONFIGURATION

NAME	VALUE	UNITS
ANC Status	Off - Window Mute	
Left/Right Hand Drive	Left Hand Drive	
Current EQ Checksum	F2 05 09 57	
Premium - 3	True	
Premuim - 1 (8 channel)	False	
Premuim - 2 (12 Channel)	False	
Non -ANC	False	
Current ANC Calibration ID - Service	RU PHEV 3.6L: Steel Roof & Harman AMP	
Teen Key Present	False	
Sub-EQ Set Selected	Cabin EQ Selected	
Cabin Equalization Curve Number	53	
Surround Sound Activated	Not Set	
Door Module - Right Rear	Present	
Door Module - Left Front	Present	
Door Module - Left Rear	Present	

Door Module - Right Front	Present	
ANC Calibration Date - Year	18	
ANC Calibration Date - Week	45	
ANC Calibration Date - Patch Level	2	

IPC CONFIGURATION

NAME	VALUE	UNITS
PHEV	True	
Rear Fog Lamp	False	

PTS CONFIGURATION

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

SCCM CONFIGURATION

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

BCM CONFIGURATION

NAME	VALUE	UNITS
Number of Reprogramming Attempts - Counter #0	1	
Vehicle Configuration Programmed Status	True	
Last Programmed Status	Service	
ECU Configuration 10	3	
Vehicle Config CSM1	3	
ECU Configuration 11	3	
ECU Configuration 6 (Brake)	3	
ECU Configuration 5 (Wireless)	3	
Programmed ECUs: P/T Chassis Network	3	
ECU Configuration 15 (Suspension)	3	
Programmed ECUs: Hybrid LAN Network	0	
ECU Configuration 8 (LIN and Miscellaneous)	3	
ECU Configuration 9A	3	
Vehicle Configuration 2 - Write Counter	3	
Vehicle Configuration 7 - Write Counter	3	
ECU Configuration 6 (Safety)	3	
ECU Configuration 2 (CBC Features)	3	
Vehicle Configuration 5 - Write Counter	3	

Programmed ECUs: Cabin Network	3	
Vehicle Configuration Auto Write Counter	1	
ECU Configuration 3	3	
ECU Configuration 7 (CBC Exterior Lighting Calibrations)	3	
ECU Configuration 12	3	
ECU Configuration 9 (ITM)	3	
ECU Configuration 1 (CBC Configurable Inputs and Outputs)	3	
ECU Configuration 14	3	
Vehicle Configuration 6 - Write Counter	3	
ECU Configuration 13	3	
ECU Configuration 5 (Memory)	3	
Vehicle Config CSM2	3	
ECU Configuration 15 (CBC Features)	3	
Programmed Network Configuration - Audio / Telematics Network	0	
Vehicle Configuration 4 - Write Counter	3	
ECU Configuration 6 (Powertrain)	3	
ECU Configuration 6 (Suspension)	3	
ECU Configuration 5 (Doors)	3	
ECU Configuration 4	3	
Vehicle Configuration 3 - Write Counter	3	
Last Configuration Odometer	1491	miles
Vehicle Configuration 1 - Write Counter	3	
Emode Present	Not Set	
PTS Configuration	Rear / REAR	
Model Year	2020	
Vehicle Line	RU	
Hill Descent Feature Present	Not Set	
Body Style	Station Wagon	
Shifter Type	5 Position Rotary Eshifter PRNDL / Type RS5L	
Auto Highbeam	Not Set	
Drive Configuration	2WD Front	
Country Code	USA	
Special Packages	74	
Remote Start Present	Set	
Select Speed Control Feature Present	Not Set	
Left/Right Hand Drive	Left Hand Drive	
Performance Pages Present	Not Present	
Maximum Vehicle Speed	0	MPH
Max Load Inflation Pressure Rear Tire	36.0	PSI
Special Packages IC	Pacifica	
Power Inverter Type	No Power Inverter	
Cruise Feature is Present	Set	
Max Load Inflation Pressure Front Tire	36.0	PSI
Off Road Capable	Not Set	

Air Conditioning Present	Not Set	
Rain Sensor Present	Not Set	
Flipper Glass Present	Not Set	
SKIM System Present	Not Set	
Full Size Spare	Not Set	
Thatcham Present	Not Set	
Display Outside Temperature Present	Set	
Keyless Go Present	Set	
Vehicle is an SRT	Not Set	
Two Fuel Sending Units Present	Not Set	
Display Compass Heading Present	Set	
Wheel Base	Wheel base not programmed / WB_NP	
Auto Headlamp Feature Present	Set	
Premium TPM system present	Set	
Police Lighting Feature	Not Set	
Window Express Feature Configuration	All windows express feature	
Vehicle Brand	Chrysler	
Auto Park Present	Set	
T-Case Type	Not Present / Not Present	
Adjustable Pedal Feature Present (non-Memory)	Not Set	
Forward Collision Warning present	Not Set	
Paddle Shift Feature Present	Not Set	
Power Right Sliding Door Present	Set	
Disable Display of Radio Clock	Not Set	
FOBIK Safe Enable	Set	
Chassis Type	Type 9	
Fuel Capacity	17	gallons
ELV Present	Not Set	
Door Alert Feature Present	Not Set	
Passive Entry Present	Set	
RKE System Present	Set	
Secondary Lock Present	Not Set	
HVAC Configuration	Dual Zone ATC + Rear	
Sport Mode Present	Not Set	
ESCL system present	Not Set	
High Intensity Discharge Head Lamps	Not Set	
Collision Mitigation System present	Not Set	
Power Left Sliding Door Present	Set	
Liftgate/Trunk Type	Power Liftgate	
Base TPM system present	Not Set	
Transfer Case High Ratio	1.000	No Unit
Transfer Case Low Range Reduction Ratio	0.000	
Dynamic Tire Circumference (All or Rear)	89	inch

Axle Ratio	3.251	
Analog Door Sensor Configuration	Driver Door Only Analog Sensor	
Air Quality System Present	Not Set	
Steering Ratio at Negative Angle 1	0.0	No Unit
Connector E Pin 29: Rear Wiper Motor Park Signal Present	Set	
Connector D Pin 11: Stop/Turn Trailer Tow Left Output Present	Not Set	
Connector E Pin 9: Run-ACC Y Relay #2 Output Present	Set	
Connector G Pin 9: Ambient Light Dimmer Wheel Input Present	Set	
Connector E Pin 5: PHEV Fuel Door Switch Input	Set	
Connector G Pin 24 (Internally tied to Connector F Pin 7): Ambient Lighting Output	Not Set	
Connector F Pin 6: Fuel Door Motor Output Signal Present	Set	
Connector D Pin 15: Left Dedicated DRL Lamps Output Present	Set	
Connector A Pin 11: Hood Ajar Switch Input Present	Set	
Connector E Pin 4/Connector F Pin 32: Rear Park Lamps Output Present	Set	
Connector A Pin 3/Connector D Pin 2: Low Beam Output Present	Set	
Connector E Pin 8: PHEV HCP Hardwire Wakeup	Set	
Connector E Pin 7: Left HID Relay Control Output Present	Not Set	
Connector D Pin 10: Trailer Tow Tail Lamp Output Present	Not Set	
Connector G Pin 15: UGDO Feed Output Present	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 E Pin 3/Connector F Pin 42: Rear Turn Lamps Output Present	Not Set	
Connector E Pin 48 (Tied internally to Connector A Pin16): Rear Wiper Motor Control Output Present	Set	
Connector G Pin 22: VTA Warning LED Output Present	Set	
Connector F Pin 9: Analog Door Ajar Signal Front Driver Present	Set	
Connector E Pin 11: Vacuum Switch Input	Not Set	
Connector A Pin 10/Connector D Pin 5: Side Markers Output Present	Set	
Connector E Pin 42: Charge Port Lock Output Present	Set	
Connector E Pin 41: Charge Port Unlock Output Present	Set	
Connector A Pin 22: Right Dedicated DRL Lamp Output Present	Set	
Connector F Pin 8 : Liftgate Release Outside Handle Switch Present	Not Set	
Connector E Pin 34: Vacuum Cleaner Relay Output Present	Not Set	
Connector D Pin 12: PHEV ECM Hardwire Wake Up Output Present	Set	
Connector F Pin 23: Door Lock Switch Signal Front Passenger Present	Set	
Connector D Pin 7: Stop/Turn Trailer Tow Right Output Present	Not Set	
Connector D Pin 22/ Connector D Pin 23: Ambient Temperature Signal/Return Present	Set	
Connector D Pin 9: Trailer Tow Backup Output Present	Not Set	
Connector E Pin 39/Connector F Pin 5: Rear Fog Lamps Output Present	Not Set	
Connector F Pin 4: Liftgate Release Present	Not Set	
Connectro E Pin 37: Right HID Control Output Present	Not Set	
Connector F Pin 35: Inverter Enable Relay Output Present	Set	
LED Rear Turn Lamps Present	Not Set	

Front Wiper Wipes After Wash	2 Wipes	
Fuel Door Release Enabled	Not Present	
Quad Headlamps Enable	Set	
Reversible Washer Pump Enable	Set	
DRL Dropout Enable	Set	
Park Lamp Loadshed Enable	Set	
LED Stop Lamps Present	Not Set	
Headlamp Washer Low Fluid Shut-Off Enable	Set	
Hazard Lamp Configuration	Latching Switch	
LED Tail Lamps Present	Set	
Bi Xenon Headlamps Enable	Not Set	
Front Fog Lamp Dropout Enable	Set	
LED Low Beam Lamps Present	Not Set	
Headlamp Wash Interval	wash cycle#11	
LED Dedicated DRL Present	Set	
Wiper Service Position Enabled	Not Set	
Illuminated approach Enabled	Not Set	
Front Wiper Park Enable	Set	
LED License Lamps Present	Set	
Horn Chirp Allowed	Set	
Fuel Door Present	Not Set	
Combined Front Park/Turn Feature Enable	Not Set	
DRL Configuration	No DRL	
DRL Lamp Location	Dedicated	
Rear Wiper Park Enable	Set	
Combined Rear Lighting Enable	Set	
LED Reverse Lamps Present	Not Set	
Intermittent Wiper States	4 Intermittent Wiper position Switch	
Headlamp Wash Shot	double	
LED Rear Fog Lamps Present	Not Set	
Trailer Tow Present	Not Set	
Tip Start Enabled	Set	
LED Front Turn Lamps Present	Not Set	
Side Repeaters Enable	Not Set	
LED Front Park/Marker Lamps Present	Set	
Headlamp Wash Spray Duration (at 100 ms intervals)	1100ms	
One Touch Lane Change	Set	
Tunnel Detection	Not Set	
Dual Start Relay System Present	Not Set	
Exterior Light Loadshed Enable	Set	
LED Front Fog Lamps Present	Not Set	
LED CHMSL Lamp Present	Set	
LED High Beam Lamps Present	Not Set	
Destination	United States of America	

Surround Sound Feature Present	Set	
Power Door Locks Present	Set	
Microphone Type	Peiker 300 mv	
Heated Steering Wheel Present	Set	
Power Inverter Present	Not Set	
Disable CD Eject	Not Set	
Cabin Equilization Curve Number	RU Premium System - Harman 12ch	
Antenna Type	Active Primary and no secondary antenna	
Splashscreen Type	Vehicle Brand	
Microphone Configuration	2 Microphones	
External Port Type	AUX + USB	
Microphone Tuning Parameter	Absent [Not Used]	
Front Park Assist Present	Set	
Front Heated Seats Present	Set	
Rear Camera Present	Set	
Fleet Vehicle Content	Not Set	
AP5 Trunk Lock	Simple Switch	
AP2 Right Front	Smart Switch	
Vehicle Variant	Undefined	
Tip Start Present	Set	
AP4 Right Rear	CAN	
Airport Scenario Trunk	Not Set	
AP1 Left Front	Smart Switch	
AP3 Left Rear	CAN	
AP5 Trunk Unlock	CAN	
Heated Mirrors Present	Set	
Blindspot Mirror Present	Set	
Frameless Window Present	Not Set	
Sun Shade	Not Set	
Global Up	Not Set	
Folding mirrors present	Set	
Electro-chromatic passenger mirror present	Not Set	
Window Motor Type	Not Set	
Global Down	Not Set	
Passenger Window Lockout	Not Set	
Tow Mirror Present	Not Set	
Passenger Memory Mirror Present	Set	
Rear Door Pre Short Drop	Not Set	
Electro-chromatic driver mirror present	Set	
Driver Memory Mirrors Present	Set	
Window Hall Sensors Present	Not Set	
Mirror turn signals present	Set	
Puddle Lamp Present	Not Set	
Heated Steering Wheel Present	Present	

Tilt/Telescope Steering Present	Not Set	
Memory Adjustable Pedals Present	Not Set	
Driver Memory Seat Present	Set	
Heated Seat Material Type	Base Leather	
Stow 'n Assist Present - Driver	Set	
Stow 'n Assist Present - Passenger	Set	
Rear Heated Seats Present	Not Present	
Front Vented Seats Present	Present	
Heated Wheel Material Type	Full Leather	
Brake System ECU Configuration A	value 0	
ECO Mode Configuration	Remember Previous State with Ignition Key Cycle	
Dual Alternator Present	Not Set	
Connector F Pin 13: Left Sliding Door Switch Input (B-Pillar)	Left B-Pillar sliding Door Switch	
License Plate Lamp Disable	Not Set	
Connector G Pin 2: Fog Lamp Switch Input	Fog Lamp Switch	
Connector F Pin 34: Spare HSD	Not Present	
Connector F Pin 16: Passenger Door Lock Switch Input	Not Present	
Auto High Beam Module Location	None	
Engine Off Clear Time	180	Time
Connector F Pin 30: Fuel Door Lock (BUX)	Not Present	
Heatsoak Speed	15	Counter
Connector D Pin 8: Digital Spare Input #2	Not Present	
Ambient Stable Counter Limit	40	Counter
Max Engine Off Time	220	Time
Connector F Pin 29: Horn Switch Present	Horn Switch Input	
Connector F Pin 37: Vacuum Cleaner Power Saver Indicator	Not Present	
Connector E Pin 48 (Tied internally to Connector A Pin16): Rear Wiper Motor Control Output Present	Rear Wiper (0)	
Humidy Sensor Long Present	Set	
Connector E Pin 3: Left Rear Turn Signal	Left Rear Turn Signal	
Connector F Pin 14: Right Sliding Door Switch Input (B-Pillar)	Right B-Pillar Sliding Door Switch	
Connector G Pin11/Connector G Pin 12: Not Used	ERS	
Connector E Pin 28: Secondary Door Ajar Switch Present - PIN E-28	Set	
Manual Door Locks Present	Not Set	
Heatsoak Flush Time	105	Time
Rain Sensor Module #2 Present	Not Set	
CHMSL Lamp Output Disable	Not Set	
Connctor F Pin 33: Fuel Door Unlock (BUX)	Not Present	
Connector E Pin 39: Right Rear Turn Signal	Right Rear Turn Signal	
Connector F Pin 15: Driver Door Lock Switch Input	Not Present	
Connector D Pin 4: Digital Spare Input #1	Not Present	
Heatsoak Set Time	15	Time
Steering Smoothing Factor	Filter Off	
Nose Dive Threshold	Filter Off	

Brake Smoothing Factor	Filter Off	
Average Last Longitudinal Acceleration Values	No Averaging	
Excess Lateral Acceleration Factor	Filter Off	
Brake Smoothing Duration	Filter Off	
Steering Smoothing Duration	Filter Off	
Maximum Lateral Change	Filter Off	
Acceleration Threshold	Filter Off	
Nose Dive Factor	Filter Off	
Excess Longitudinal Acceleration Factor	Filter Off	
Brake Smoothing Threshold	Filter Off	
Acceleration Factor	Filter Off	
Average Last Lateral Acceleration Values	No Averaging	
Steering Smoothing Threshold	Filter Off	
Maximum Longitudinal Change	Filter Off	
VTA Hood Ajar Monitoring	Not Set	
RKE Auto-Relock Feature Enable	Not Set	
PE Auto-Relock Feature Enable	Set	
Auto High Beam ON Threshold	25 km/hr	
Auto High Beam OFF Threshold	20 km/hr	
Interior Lighting Night Threshold	4.45147	Volt
Interior Lighting Day Threshold	4.27498	Volt
Headlamp Soak Delay	1.0 sec	
Horn Chirp Duration	Short	
Parking Light Enable	Not Set	
Smart Alternator Present	Not Set	
Temperature Display Resolution	HaLF	
TPMS Configuration	Logic 1 NHTSA Enable Warning	
Sunroof Present	Not Set	
ANC Calibration Parameter Data Set	Harman Amplified 3.6L PHEV	
Radio Speaker Open Circuit Disable (RF)	Not Set	
Drive Mode Version	Version 1	
Auto Dimming Mirror Hard Button Present	Set	
Radio Speaker Open Circuit Disable (LF)	Not Set	
Radio Speaker Open Circuit Disable (LR)	Not Set	
Radio Speaker Open Circuit Disable (RR)	Not Set	
Automatic Crash Notification Feature Present	Undefined	
Show Phone Information in Cluster	01	
Surround View Camera On/Off Softkey Present	Not Set	
Park Assist Tuning Set	Sahara	
3rd Row Lock CSO	Not Set	
Siren	Not Set	
Ultrasonics	Not Set	
Tilt	Not Set	
ESC	Set	

HCP	Set	
AHCP	Set	
ESM	Set	
ORC	Set	
APM	Set	
ECM	Set	
BPCM	Set	
OBCM	Set	
EAC	Set	
EBCM	Set	
CVPM	Not Set	
VRM	Set	
MSMP	Set	
AMP	Set	
HVAC	Set	
PDM	Set	
VTM	Not Set	
DDM	Set	
EOMR	Set	
EDM	Set	
ITM	Not Set	
DMRR	Set	
MSM	Set	
HVACR	Set	
EAM	Not Set	
ICS	Set	
DSM	Set	
PSDML	Set	
ANC	Not Set	
BCM (Interior Bus)	Set	
DTV	Not Set	
FSM	Not Set	
DMRL	Set	
PLGM	Set	
HSM	Set	
PSDMR	Set	
Radio	Set	
Compass Mounting Angle	0	Degree
IBS Present	Set	
Auto Relock Time	60	seconds
Fobik Safe Alerts Per Ignition Cycle	2	
Illuminated Approach Headlamp Target Percentage	125 (62.5%)	
Humidity Sensor Present	Set	
Illuminated Approach Taillamp Target Percentage	125 (62.5%)	

Illuminated Approach Interior Lighting Ramp Up Time	130(2600ms)	
Alert no Reply	Set	
Alert On Search Timeout	Set	
Alert On System Fault	Set	
Illuminated Approach Interior Lighting Target Percentage	100(50%)	
OHC Module Present	Set	
Washer Fluid Level Voltage Threshold	4.46 volts	
EVIC SWS Module Present	Set	
CRVMM Present	Set	
HFRM Present	Set	
VTA System Present	VTA	
Panic Enable	Set	
Compass Mounting Orientation	Rightside up	
Connector F Pin 41: Backup-Reverse lamp Left	Set	
Connector E Pin 7: Left HID Relay Control	Left HID Lamp Relay	
Connector D Pin 12: PHEV ECM Hardwire Wake Up	Engine Control Module Wake up (PHEV only)	
Connector D Pin 11: Stop/Turn Trailer Tow Left Output Present	Reserved	
Connector A Pin 11: Hood Ajar Switch Signal	500 ohm series and 500 ohm parallel resistors	
Connector D Pin 21: Brake Fluid Level Switch	no parallel resistor	
Connector E Pin 1: Backup-Reverse lamp Right	Set	
Connector E Pin 37: Right HID Relay Control	Right HID Lamp Relay	
Connector F Pin 5: Left Rear Fog Lamp	Output Disable	
Connector E Pin 3: Left Rear Turn Signal	Left Rear Turn Signal	
Connector F Pin 31: Right Sliding Door Ajar	Right Sliding Door Ajar	
Connector F Pin 28: Right Rear Turn Lamp Fault Sense	Disable	
Connector F Pin 4: Liftgate Release	Trunk/Liftgate Release	
Connector F Pin 42: Right Rear Turn Signal	Right Rear Turn Signal	
Connector F Pin 25: Left Rear Turn Lamp Fault Sense	Disable	
Stop/Start Enable Switch Present	Not Set	
Connector A Pin 2: Right High Beam Feed	Right High Beam (0)	
Connector D Pin 1: Left High Beam Feed	Left High Beam (0)	
Connector F Pin 27: Left Sliding Door Ajar	Left Sliding Door Ajar	
Connector E Pin 5: E-5 PHEV Fuel Door Switch Input	PHEV Fuel Door Switch	
Connector E Pin 39: Right Rear Fog Lamp	Output Disable	
Connector E Pin 29: Rear Wiper Motor Park Signal	Reserved	
Connector F Pin 29: Horn Switch Input	Horn Switch Input	
Passive Ped Pro Present	False	
Tow Hooks Present	False	
1st Row Seat Side Airbags Present	True	
Passenger Kneebag Present	True	
BUX Market	False	
ODS Present	False	
Curtain Airbags Present	True	

Driver Kneebag Present	True	
Integrated EPP Present	False	
IPC	Set	
ESM	Set	
ORC	Set	
BCM (PT)	Set	
SCCM	Set	
ACC	Not Set	
PCM	Set	
PTS	Set	
EPS	Set	
RFH	Set	
AHLM	Not Set	
ESL	Not Set	
FFCM	Not Set	
ABSO	Set	
OCM	Set	
ABS	Not Set	
TCM	Not Set	
HCP	Set	
Accessory Delay Time	45	seconds
Sliding Door Chime Enable	Not Set	
Sliding Door Alert	Not Set	
Auto Unlock	Set	
Headlamps on with Wipers	Set	
Flash Lamps on Lock	Set	
Daytime Running Lamps	Not Set	
Auto Wipers	Not Set	
Sound Horn On Lock Status	No horn chirp/OFF	
Hands Free Sliding Door Enable	Set	
Sound Horn on Remote Start	Not Set	
Auto Lock	Set	
Unlock all doors on 1st press	Set	
Sound Horn on Lock	Set	
Illuminated Approach Time	30	seconds
Headlamp Delay Time	30	seconds
Auto Highbeam	Not Set	
IBS Quiescence Current Limit	-250	mA
IBS Minimal Charge Limit	10	AmpHrs
IBS Minimum Voltage Limit	5.0	Volts
Battery Type II	255	
Battery Types	SNA	
IBS Activate MWU	Not Set	
IBS Minimum Charge Limit	600	mA

Front Park/Turn Voltage	Park to Turn ratio 55 Percent	
Left Front Corner Voltage	13.2 Volts	
Left Low Beam Voltage Regulation	13.6 Volts	
Right High Beam Voltage Regulation	13.8 Volts	
Left Rear Corner Voltage	14 Volts	
Left High Beam Voltage Regulation	13.6 Volts	
Right Rear Corner Voltage	14 Volts	
Right Low Beam Voltage Regulation	14 Volts	
Auto Headlamp On Threshold	3.31409	Volt
Auto Headlamp Off Threshold	2.54930	Volt
Right Front Corner Voltage	13.4 Volts	
Rear View Camera Static Grid Lines Enabled	Not Set	
Rear View Camera Dynamic Grid Lines Enabled	Set	

RADIO CONFIGURATION

NAME	VALUE	UNITS
Compass on the bus messaging Authorization	Allowed	
GPS on the Bus messaging Authorization	Allowed	
Satellite Subscription Suspend Day	01	
Satellite Subscription Reason Code	00	
Satellite Subscription Suspend Year	46	
Satellite Subscription Suspend Month	01	
Satellite Subscription Status	Subscribed	
Satellite Subscription ID	339CLDCT	
Aux Jack	Not Inserted	
USB Hubs Detected	1	No Unit
SD Card Readers Detected	0	No Unit
Enumerated USB Devices	0	No Unit
DTV Short Term Configuration	—	
911 Button	On	
SDARS	True	
Internal CD Player	False	
Application Framework	True	
Bluetooth	True	
Navigation Active	True	
FM Diversity	False	
Cellular	True	
Wi-Fi	True	
Splash Screen	Chrysler	
Anti-Theft Enable Status	On	
Automated Loudness	On	
Front Seat Video Playback	Enabled	
Clock Defeat	Off	
Cabin EQ Curve Number Currently Used by Radio	35	

12/24 Time Selection

12 Hour Time

HVACR CONFIGURATION

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

EDM CONFIGURATION

NAME	VALUE	UNITS
Intrusion module	Not Present	
Blind-Spot Module	Not Present	
Video Ent. System Screen 1 Module	Not Present	
Heating Ventilation Air Conditioning	Not Present	
Integrated Center Stack Module	Not Present	
Passenger Door Control Module	Not Present	
Vehicle System Interface Module	Not Present	
Rear Body Controller Module	Not Present	
Convergence Telematics Module	Not Present	
Driver Door Control Module	Not Present	
CAN I in-dash disc player module	Present	
Right Rear Door Control Module	Not Present	
Left Power Sliding Door Module	Not Present	
Common Body Controller Int Bus	Not Present	
Left Rear Door Control Module	Not Present	
Memory Seat Module	Not Present	
Amplifier Module	Not Present	
Comfort Seats and Wheel Module	Not Present	
Power Liftgate Module	Not Present	
Power Top Control Module	Not Present	
Right Power Sliding Door Module	Not Present	
Folding Seat Module	Not Present	
Video Ent. System Screen 2 Module	Not Present	
Radio	Present	
E-Mode Feature Present	False	
Remote Start Present	False	
Vehicle Line	RU	
Body Style	Station Wagon	
Left/Right Hand Drive	Not Programmed	
VES	False	

VRM	False	
Vehicle Brand Type	Chrysler	

RCCC CONFIGURATION

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

ABSO CONFIGURATION

NAME	VALUE	UNITS
Engine Displacement	3.6	No Unit
ESC BLA Enabled	False	
PN ESC Byte2	0	
PN ESC Byte1	0	
Drive Configuration	2WD Front	
Dynamic Tire Circumference	89	inch
VC Chassis Type	Type 9	
Axle Ratio	3.251	No Unit
Hardwired VSO	True	
ACC	True	
Multiple Pressure Sensors	True	
Rear Directional Sensors	True	
Feature PIN	False	
Front Directional Sensors	False	
EPB	True	



VEHICLE SCAN REPORT

Vehicle 2020 CHRYSLER PACIFICA (PHEV) 3.6L V6 HYBRID ENGINE
VIN 2C4RC1N7 [REDACTED]

Odometer 2103.8 miles
Publication Date Mar 3, 2021, 1:46:44 PM

ECU SUMMARY INFO

ECU	NAME	BUS TYPE	FLASH PART #	CURREN	ORIGINA	PART #
PCM	Powertrain Control Module	CAN-C	68444229AE	2C4RC1N	2C4RC1	68444229AE
ICS	Integrated Center Stack	CAN-I	6UX601X8AA	2C4RC1N	2C4RC1	6UX601X8AA
RFH	Radio Frequency Hub	CAN-C	68453559AB	2C4RC1N	2C4RC1	68453559AB
ESM	Electronic Shifter	CAN-C	68240089AM	2C4RC1N	2C4RC1	68240089AM
ORC	Occupant Restraint	CAN-C	68453076AD	2C4RC1N	2C4RC1	68453076AD
EPS	Electric Power Steering	CAN-C	68460392AA	2C4RC1N	2C4RC1	68460392AA
HVAC	Heat, Ventilation and A/C	CAN-I	68447893AC	2C4RC1N	2C4RC1	68447893AC
DDM	Driver Door Module	CAN-I	68424449AC	2C4RC1N	2C4RC1	68424449AC
PDM	Passenger Door Module	CAN-I	68424448AC	2C4RC1N	2C4RC1	68424448AC
DMRL	Door Module Rear Left	CAN-I	68225096AG	2C4RC1N	2C4RC1	68225096AG
DMRR	Door Module Rear Right	CAN-I	68225096AG	2C4RC1N	2C4RC1	68225096AG
PSDML	Power Sliding Doors (Left)	CAN-I	68369596AD	2C4RC1N	2C4RC1	68369596AD
PSDMR	Power Sliding Doors (Right)	CAN-I	68369596AD	2C4RC1N	2C4RC1	68369596AD
MSM	Memory Seat Module	CAN-I	68321862AC	2C4RC1N	2C4RC1	68321862AC
PLGM	Power Liftgate	CAN-I	68316094AF	2C4RC1N	2C4RC1	68316094AF
CSWM	Comfort Seat Wheel Module	CAN-I	68434912AC	2C4RC1N	2C4RC1	68434912AC
AMP	Amplifier	CAN-I	68448067AA	2C4RC1N	2C4RC1	68448067AA
IPC	Instrument Panel Cluster	CAN-C	68434956AD	2C4RC1N	2C4RC1	68434956AD
PTS	Parktronics	CAN-C	68193772AJ	2C4RC1N	2C4RC1	68193772AJ
SCCM	Steering Column Control Module	CAN-C	68360889AD	2C4RC1N	2C4RC1	68360889AD
BCM	Body Controller	CAN-C	68424601AF	2C4RC1N	2C4RC1	68424601AF

RADIO	Radio	CAN-I	68461768AD	2C4RC1		2C4RC1N	68461768AD
OCM	Occupant Classification	CAN-C	68403127AA	2C4RC1N		2C4RC1N	68403127AA
HVACR	Heat, Ventilation and A/C Rear	CAN-I	68373079AB	2C4RC1N		2C4RC1N	68373079AB
LBSS	Left Blind Spot Sensor	CAN-I	04672786AB	2C4RC1N		2C4RC1N	04672786AB
RBSS	Right Blind Spot Sensor	CAN-I	04672786AB	2C4RC1N		2C4RC1N	04672786AB
EDM	External Disc Module	CAN-I	68378304AB	2C4RC1N		2C4RC1N	68378304AB
APM	Accessory Power Module	CAN-C	05185046AB	2C4RC1N		2C4RC1N	05185046AB
BPCM	Battery Pack Control Module	CAN-C	05193166AE	2C4RC1N		2C4RC1N	05193166AE
HCP	Hybrid Control Processor	CAN-C	05190265AF	2C4RC1N		2C4RC1N	05190265AF
OBCM	On Board Charging Module	CAN-C	05185047AE	2C4RC1N		2C4RC1N	05185047AE
MSMP	Memory Seat Module - Passenger	CAN-I	68321862AC	2C4RC1N		2C4RC1N	68321862AC
DSM	Display Screen Module	CAN-I	68316174AC	2C4RC1N		2C4RC1N	68316174AC
VRM	Video Routing Module	CAN-I	68376134AG	2C4RC1N		2C4RC1N	68376134AG
RCCC	Rear Cabin Comfort Controls	CAN-I	6WL30DX9AA	2C4RC1N		2C4RC1N	6WL30DX9AA
EAC	Electric A/C Compressor	CAN-C	68237995AG	2C4RC1N		2C4RC1N	68237995AG
AHCP	Auxiliary Hybrid Control Processor	CAN-C	05190266AF	2C4RC1N		2C4RC1N	05190266AF
EBBM	Electronic Brake Booster Module	CAN-C	68461813AB	2C4RC1N		2C4RC1N	68461813AB
ABSO	Anti Lock Brakes OBD	CAN-C	68471122AD	2C4RC1N		2C4RC1N	68471122AD
SGW	Security Gateway Module	CAN-C	68447193AB			2C4RC1N	68447193AB

ECU SUMMARY INFO (CONT...)

ECU	COUNTRY CODE	HARDWARE VERSION	SOFTWARE VERSION	IDENT	CVNS
PCM	USA	1B 47	46 03 01	4419	DFF8E724
ICS	USA	0F 0C 00	12 25 00	4400	
RFH	USA / USA	10 17 00	13 09 00	4A00	
ESM	USA / USA	0F 24 00	12 28 FF	4402	
ORC	USA / USA	12 1A 00	13 2E 00	4301	
EPS	USA / USA	12 2A 00	12 1E 01	4502	
HVAC	USA	0E 09 00	13 05 01	4401	
DDM	USA	11 07 00	13 0B 00	4202	
PDM	USA	11 07 00	13 0B 00	4202	
DMRL	USA / USA	10 0B 00	12 0C 00	4201	
DMRR	USA / USA	10 0B 00	12 0C 00	4201	

PSDML	USA / USA	10 17 00	14 10 12	4001	
PSDMR	USA / USA	10 17 00	14 10 12	4001	
MSM	USA	0F 2B 00	10 27 03	4101	
PLGM	USA	17 19 00	18 22 00	4202	
CSWM	USA	11 2A 00	13 2C 00	4302	
AMP	USA	0F 06 01	12 2E 01	4021	
IPC	USA / USA	12 06 00	14 0B 00	4704	
PTS	USA	0E 32 00	12 1F 00	4311	
SCCM	USA	13 28 00	13 29 00	4301	
BCM	USA	0D 11 00	14 1B 90	4415	
RADIO	USA	13 31 14	13 31 14	8205	
OCM	USA / USA	11 1F 01	0E 2F 02	4030	
HVACR	USA	0E 09 00	10 03 02	4301	
LBSS	USA / USA	11 30 02	12 0D 00	4202	
RBSS	USA / USA	11 30 02	12 0D 00	4202	
EDM	USA	12 0A 00	11 08 00	4000	
APM	USA / USA	11 32 00	11 32 00	4001	
BPCM	Not programmed / COUNTRY_SNA	0E 03 00	14 19 00	4005	87EC2289
HCP	USA	11 1F 04	19 48 01	4005	6AE19B37 847169A3 050DC953
OBCM	USA	0F 0D 00	12 02 00	4002	
MSMP	USA	0F 2B 00	10 27 03	4001	
DSM	USA / USA	13 29 00	12 23 00	4000	
VRM	USA / USA	0F 1C 00	13 26 11	4001	
RCCC	USA	0F 1D 00	13 04 00	4000	
EAC	USA	0E 34 00	12 0F 00	4102	
AHCP	USA	11 1F 04	19 48 01	4000	
EBBM	USA	0E 19 02	14 0D 18	4000	E5898FA5
ABSO	USA	0E 15 02	14 1B 26	4201	4F158D1B
SGW		5	779	4103	

DTC SUMMARY

ECU	DTC CODE	DTC DESCRIPTION	STATUS
ICS	B21DD-84	System Voltage-Signal Below Allowable Range	Stored
ICS	B210D-16	Battery Voltage Low-Circuit Voltage Below Threshold	Stored
RFH	B2199-16	Battery Voltage-Circuit Voltage Below Threshold	Stored
RFH	B21DD-84	System Voltage-Signal Below Allowable Range	Stored
ESM	P1C8B-16	Battery Voltage-Circuit Voltage Below Threshold	Stored
ESM	P1C8C-16	System Voltage-Circuit Voltage Below Threshold	Stored
ESM	U1853-00	Implausible Data Received from Hybrid Powertrain Control Processor on D-PT-	Stored
ESM	P0919-00	Gear Shift Position Control Error-	Stored
EPS	C2129-16	Battery Voltage-Circuit Voltage Below Threshold	Stored
EPS	C212A-84	System Voltage-Signal Below Allowable Range	Stored
HVAC	B210D-84	Battery Voltage Low-Signal Below Allowable Range	Stored

HVAC	B21DD-84	System Voltage-Signal Below Allowable Range	Stored
HVAC	B10EB-00	Blower Power Module-	Stored
HVAC	U11BB-00	Lost Communication with Video Routing Module-	Stored
HVAC	U1519-00	Implausible Data Received from Video Routing Module-	Stored
DDM	B21DD-84	System Voltage-Signal Below Allowable Range	Stored
DDM	B210C-16	Battery Voltage Input-Circuit Voltage Below Threshold	Stored
PDM	B21DD-84	System Voltage-Signal Below Allowable Range	Stored
PDM	B210C-16	Battery Voltage Input-Circuit Voltage Below Threshold	Stored
DMRL	B21DD-84	System Voltage-Signal Below Allowable Range	Stored
DMRL	B2199-16	Battery Voltage-Circuit Voltage Below Threshold	Stored
DMRL	B224F-54	Door Module Internal-Missing Calibration	Active
DMRR	B21DD-84	System Voltage-Signal Below Allowable Range	Stored
DMRR	B2199-16	Battery Voltage-Circuit Voltage Below Threshold	Stored
DMRR	B224F-54	Door Module Internal-Missing Calibration	Active
PSDML	B2199-16	Battery Voltage-Circuit Voltage Below Threshold	Stored
PSDML	B21DD-84	System Voltage-Signal Below Allowable Range	Stored
PSDMR	B2199-16	Battery Voltage-Circuit Voltage Below Threshold	Stored
PSDMR	B21DD-84	System Voltage-Signal Below Allowable Range	Stored
MSM	B222D-00	ECU Unable To Configure/Configuration Not Learned-	Stored
MSM	B210A-84	System Voltage Low-Signal Below Allowable Range	Stored
MSM	B210D-21	Battery Voltage Low-Signal Amplitude < Minimum	Stored
MSM	U0011-00	CAN Interior Bus Off Performance-	Stored
MSM	B233C-00	Commanded Position Not Reachable-	Stored
PLGM	B21DD-16	System Voltage-Circuit Voltage Below Threshold	Stored
PLGM	B2199-16	Battery Voltage-Circuit Voltage Below Threshold	Stored
CSWM	B11C1-13	Steering Wheel Heater Power Supply Circuit-Circuit Open	Stored
CSWM	B2199-16	Battery Voltage-Circuit Voltage Below Threshold	Stored
CSWM	B21DD-84	System Voltage-Signal Below Allowable Range	Stored
AMP	B2199-16	Battery Voltage-Circuit Voltage Below Threshold	Stored
AMP	B21DD-84	System Voltage-Signal Below Allowable Range	Stored
IPC	B1612-00	Panel Illumination Control-	Stored
IPC	B21DD-84	System Voltage-Signal Below Allowable Range	Stored
IPC	B2199-16	Battery Voltage-Circuit Voltage Below Threshold	Stored
IPC	B275B-00	Airbag Telltale-	Stored
PTS	B21DD-16	System Voltage-Circuit Voltage Below Threshold	Stored
PTS	B210C-16	Battery Voltage Input-Circuit Voltage Below Threshold	Stored
PTS	U0415-00	Invalid Data Received from Anti-Lock Brake System (ABS) Control Module "A"-	Stored
SCCM	C212A-16	System Voltage-Circuit Voltage Below Threshold	Stored
RADIO	B1400-11	Front Left Audio Speaker Output-Circuit Short to Ground	Stored
RADIO	B1404-11	Front Right Audio Speaker Output-Circuit Short to Ground	Stored
RADIO	B1408-11	Rear Left Audio Speaker Output-Circuit Short to Ground	Stored
RADIO	B280B-00	NTSC Video Input-	Stored
RADIO	U0002-00	CAN C Bus Off Performance-	Stored
RADIO	B140C-11	Rear Right Audio Speaker Output-Circuit Short to Ground	Stored

RADIO	U11BB-00	Lost Communication with Video Routing Module-	Stored
OCM	B210A-00	System Voltage Low-	Stored
HVACR	B2199-16	Battery Voltage-Circuit Voltage Below Threshold	Stored
HVACR	B21DD-84	System Voltage-Signal Below Allowable Range	Stored
LBSS	B21DD-84	System Voltage-Signal Below Allowable Range	Stored
LBSS	B2199-16	Battery Voltage-Circuit Voltage Below Threshold	Stored
RBSS	B21DD-84	System Voltage-Signal Below Allowable Range	Stored
RBSS	B2199-16	Battery Voltage-Circuit Voltage Below Threshold	Stored
EDM	B210A-00	System Voltage Low-	Stored
EDM	U0011-00	CAN Interior Bus Off Performance-	Stored
EDM	U11BB-00	Lost Communication with Video Routing Module-	Stored
EDM	B210D-00	Battery Voltage Low-	Stored
BPCM	U0293-00	Lost Communication with Hybrid Control Module "A"-	Stored
BPCM	U0594-00	Implausible Data Received From Hybrid Control Module "A"-	Stored
BPCM	P0562-00	System Voltage Low-	Stored
BPCM	P1A0C-00	Battery Energy Control Module System Voltage Low-	Stored
BPCM	P2BE5-00	Hybrid/EV Battery Pack Current Sensor "C" Circuit Performance-	Stored
BPCM	P0A95-00	High Voltage Fuse "A"-	Active
HCP	P0513-00	Invalid SKIM Key-	Stored
HCP	P062F-00	Internal Control Module EEPROM Error-	Active
HCP	P0A3C-00	Drive Motor A Inverter Over Temperature-	Active
HCP	P0A3D-00	Drive Motor B Inverter Over Temperature-	Stored
HCP	P0A78-00	Drive Motor A Inverter Performance-	Active
HCP	P0AFA-00	Hybrid/EV Battery System Voltage Low-	Active
HCP	P0BEC-00	Drive Motor A Inverter Phase V Current Sensor Circuit High-	Active
HCP	P0C01-00	Drive Motor A Current High-	Active
HCP	P0C0B-00	Drive Motor A 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	P0C19-00	Drive Motor A Torque Delivered Performance-	Active
HCP	P16F9-00	HCP Internal - Shutdown Performance-	Active
HCP	P1AEC-00	MCPA HV Battery Voltage Sensor Circuit Performance-	Pending
HCP	P1AED-00	MCPB High Voltage Battery Voltage Sensor Circuit Performance-	Pending
HCP	U0623-00	Lost Communication with Coolant Pump "A"-	Active
HCP	U11F8-00		Pending
OBCM	U0074-00	Dedicated Powertrain (D-PT) CAN Bus Off-	Stored
MSMP	B222D-00	ECU Unable To Configure/Configuration Not Learned-	Stored
MSMP	B210A-84	System Voltage Low-Signal Below Allowable Range	Stored
MSMP	U0011-00	CAN Interior Bus Off Performance-	Stored
MSMP	B210D-21	Battery Voltage Low-Signal Amplitude < Minimum	Stored
DSM	B21DD-84	System Voltage-Signal Below Allowable Range	Stored
VRM	B2199-16	Battery Voltage-Circuit Voltage Below Threshold	Stored
VRM	B21DD-84	System Voltage-Signal Below Allowable Range	Stored
RCCC	B2199-16	Battery Voltage-Circuit Voltage Below Threshold	Stored

RCCC	B21DD-84	System Voltage-Signal Below Allowable Range	Stored
ABSO	C2222-00	Improper Powerdown-	Active
SGW	B2199-16	Battery Voltage-Circuit Voltage Below Threshold	Stored

ENVIRONMENTAL DATA SUMMARY

ICS | B21DD-84 | Stored | System Voltage-Signal Below Allowable Range

NAME	VALUE	UNITS
Test Not Completed Since Last Clear	False	
Test Failed	False	
Confirmed DTC	True	
Pending DTC	True	
Test Failed This Operation Cycle	False	
DTC Extended Data Record Number - All	01	
Test Failed Since Last Clear	True	
Warning Indicator Requested	False	
Occurrence flag	Occurrence	
Test Not Completed This Operation Cycle	False	
Most Recent Odometer Value	2098	miles
Original Odometer Value	2098	miles
Ignition Cycle Counter	2	
Frequency Counter	2	

ICS | B210D-16 | Stored | Battery Voltage Low-Circuit Voltage Below Threshold

NAME	VALUE	UNITS
Test Failed	False	
Test Failed This Operation Cycle	False	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Pending DTC	True	
Confirmed DTC	True	
Occurrence flag	Occurrence	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number - All	01	
Most Recent Odometer Value	2098	miles
Original Odometer Value	2098	miles
Frequency Counter	2	
Ignition Cycle Counter	3	

RFH | B2199-16 | Stored | Battery Voltage-Circuit Voltage Below Threshold

NAME	VALUE	UNITS
Test Failed	False	
Pending DTC	False	

Test Not Completed Since Last Clear	False	
Test Not Completed This Operation Cycle	False	
Test Failed Since Last Clear	False	
Test Failed This Operation Cycle	False	
Confirmed DTC	True	
Occurrence flag	ERROR	
Warning Indicator Requested	False	
DTC Extended Data Record Number - All	01	
Original Odometer Value	2098	miles
Ignition Cycle Counter	2	
Frequency Counter	4	
Most Recent Odometer Value	2098	miles

RFH | B21DD-84 | Stored | System Voltage-Signal Below Allowable Range

NAME	VALUE	UNITS
Test Failed	False	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed This Operation Cycle	False	
Test Failed Since Last Clear	False	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
Occurrence flag	ERROR	
DTC Extended Data Record Number - All	01	
Most Recent Odometer Value	2098	miles
Frequency Counter	4	
Original Odometer Value	2098	miles
Ignition Cycle Counter	1	

ESM | P1C8B-16 | Stored | Battery Voltage-Circuit Voltage Below Threshold

NAME	VALUE	UNITS
Test Failed This Operation Cycle	False	
Test Failed	False	
Pending DTC	False	
Test Not Completed Since Last Clear	False	
Confirmed DTC	True	
Warning Indicator Requested	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
DTC	1C 8B 16	
Occurrence flag	Occurrence	
Ignition Status	Ignition Lock	
Original Odometer Value	2098	miles

Most Recent Odometer Value	2098	miles
Frequency Counter	28	
Ignition Cycle Counter	2	
Operating Voltage	10.0	Volts
Operation Time	9394	Min

ESM | P1C8C-16 | Stored | System Voltage-Circuit Voltage Below Threshold

NAME	VALUE	UNITS
Test Failed	False	
Test Failed This Operation Cycle	False	
Confirmed DTC	True	
DTC	1C 8C 16	
Pending DTC	False	
Test Failed Since Last Clear	True	
Test Not Completed Since Last Clear	False	
Warning Indicator Requested	False	
Test Not Completed This Operation Cycle	False	
Occurrence flag	Occurrence	
Ignition Status	Ignition Lock	
Frequency Counter	12	
Most Recent Odometer Value	2098	miles
Ignition Cycle Counter	2	
Operating Voltage	10.1	Volts
Operation Time	9393	Min
Original Odometer Value	2098	miles

ESM | U1853-00 | Stored | Implausible Data Received from Hybrid Powertrain Control Processor on D-PT-

NAME	VALUE	UNITS
Test Failed	False	
DTC	D8 53 00	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Confirmed DTC	True	
Occurrence flag	Occurrence	
Warning Indicator Requested	False	
Sub-Faults	00	
Ignition Status	Ignition Run	
Most Recent Odometer Value	2098	miles
Operation Time	9224	Min
Frequency Counter	1	
Operating Voltage	5.6	Volts

Ignition Cycle Counter	29	
Original Odometer Value	2098	miles

ESM | P0919-00 | Stored | Gear Shift Position Control Error-

NAME	VALUE	UNITS
DTC	09 19 00	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Pending DTC	False	
Test Failed Since Last Clear	True	
Occurrence flag	ERROR	
Test Not Completed This Operation Cycle	True	
Test Failed This Operation Cycle	False	
Fault Data	00 00	
Ignition Status	Ignition Run	
Test Failed	False	
Fault Data	01 00	
Warning Indicator Requested	False	
Fault Data	10 00	
Ignition Cycle Counter	29	
Operation Time	9212	Min
Original Odometer Value	2098	miles
Operating Voltage	10.8	Volts
Frequency Counter	1	
Most Recent Odometer Value	2098	miles

EPS | C2129-16 | Stored | Battery Voltage-Circuit Voltage Below Threshold

NAME	VALUE	UNITS
DTC	61 29 16	
Test Failed This Operation Cycle	False	
Test Failed	False	
Test Not Completed Since Last Clear	False	
Confirmed DTC	True	
Pending DTC	True	
Test Not Completed This Operation Cycle	False	
Test Failed Since Last Clear	True	
Warning Indicator Requested	True	
Occurrence flag	ERROR	
Supplier Internal Fault Code	00 B1 00	
Ignition Cycle Counter	1	
Original Odometer Value	2098	miles
Frequency Counter	3	
Most Recent Odometer Value	2098	miles
EPS Steering Wheel Velocity	-0.00	deg/s

EPS Measured Module Voltage	9.96	V
EPS System Current Draw	1	A
EPS Measured Module Temperature	25.9	°F
EPS Internal Steering Wheel Angle (Sign convention is positive angle towards left steering lock)	-4.44	Deg
EPS Steering Wheel Torque	0.2305	Ft-Lbs
CAN Battery Voltage	10.0	Volts
EPS Internal Filtered Vehicle Speed	0.000	MPH

EPS | C212A-84 | Stored | System Voltage-Signal Below Allowable Range

NAME	VALUE	UNITS
DTC	61 2A 84	
Test Failed	False	
Confirmed DTC	True	
Test Failed This Operation Cycle	False	
Pending DTC	True	
Test Not Completed This Operation Cycle	False	
Test Not Completed Since Last Clear	False	
Occurrence flag	ERROR	
Test Failed Since Last Clear	True	
Warning Indicator Requested	False	
Supplier Internal Fault Code	01 4E 01	
Most Recent Odometer Value	2098	miles
Original Odometer Value	2098	miles
Frequency Counter	3	
EPS Internal Steering Wheel Angle (Sign convention is positive angle towards left steering lock)	0.75	Deg
EPS Internal Filtered Vehicle Speed	0.000	MPH
EPS System Current Draw	1	A
EPS Steering Wheel Velocity	-0.00	deg/s
EPS Measured Module Temperature	26.0	°F
EPS Measured Module Voltage	9.70	V
EPS Steering Wheel Torque	-0.1728	Ft-Lbs
Ignition Cycle Counter	1	
CAN Battery Voltage	9.7	Volts

HVAC | B210D-84 | Stored | Battery Voltage Low-Signal Below Allowable Range

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

Occurrence flag	ERROR	
Original Odometer Value	2098	miles
Frequency Counter	2	
Ignition Cycle Counter	1	
Most Recent Odometer Value	2098	miles

HVAC | B21DD-84 | Stored | System Voltage-Signal Below Allowable Range

NAME	VALUE	UNITS
Test Failed This Operation Cycle	False	
Test Failed	False	
Pending DTC	False	
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	
Original Odometer Value	2098	miles
Frequency Counter	4	
Ignition Cycle Counter	1	
Most Recent Odometer Value	2098	miles

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

NAME	VALUE	UNITS
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Occurrence flag	ERROR	
Warning Indicator Requested	False	
Most Recent Odometer Value	2098	miles
Frequency Counter	6	
Original Odometer Value	2098	miles
Ignition Cycle Counter	12	

HVAC | U11BB-00 | Stored | Lost Communication with Video Routing Module-

NAME	VALUE	UNITS
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Confirmed DTC	True	

Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Occurrence flag	ERROR	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
Frequency Counter	1	
Ignition Cycle Counter	12	
Most Recent Odometer Value	2098	miles
Original Odometer Value	2098	miles

HVAC | U1519-00 | Stored | Implausible Data Received from Video Routing Module-

NAME	VALUE	UNITS
Test Failed	False	
Test Failed This Operation Cycle	False	
Confirmed DTC	True	
Pending DTC	False	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
Occurrence flag	ERROR	
Original Odometer Value	2098	miles
Most Recent Odometer Value	2098	miles
Ignition Cycle Counter	11	
Frequency Counter	1	

DDM | B21DD-84 | Stored | System Voltage-Signal Below Allowable Range

NAME	VALUE	UNITS
Test Failed This Operation Cycle	False	
Test Failed	False	
Confirmed DTC	True	
Pending DTC	False	
Test Not Completed Since Last Clear	False	
Warning Indicator Requested	False	
Test Not Completed This Operation Cycle	False	
Test Failed Since Last Clear	True	
DTC Extended Data Record Number - All	FF	
Occurrence flag	ERROR	
Operation Cycle Counter	1	
Most Recent Odometer Value	2098	miles
Frequency Counter	4	
Original Odometer Value	2098	miles

DDM | B210C-16 | Stored | Battery Voltage Input-Circuit Voltage Below Threshold

NAME	VALUE	UNITS
Pending DTC	False	
Test Failed	False	
Test Failed This Operation Cycle	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
Test Failed Since Last Clear	True	
DTC Extended Data Record Number - All	FF	
Occurrence flag	ERROR	
Original Odometer Value	2098	miles
Frequency Counter	3	
Most Recent Odometer Value	2098	miles
Operation Cycle Counter	14	

PDM | B21DD-84 | Stored | System Voltage-Signal Below Allowable Range

NAME	VALUE	UNITS
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
Confirmed DTC	True	
Occurrence flag	ERROR	
DTC Extended Data Record Number - All	FF	
Frequency Counter	4	
Original Odometer Value	2098	miles
Operation Cycle Counter	1	
Most Recent Odometer Value	2098	miles

PDM | B210C-16 | Stored | Battery Voltage Input-Circuit Voltage Below Threshold

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

Occurrence flag	ERROR	
Original Odometer Value	2098	miles
Frequency Counter	3	
Operation Cycle Counter	14	
Most Recent Odometer Value	2098	miles

DMRL | B21DD-84 | Stored | System Voltage-Signal Below Allowable Range

NAME	VALUE	UNITS
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Warning Indicator Requested	False	
Occurrence flag	Occurrence	
Test Failed Since Last Clear	True	
DTC Extended Data Record Number - All	01	
Test Not Completed This Operation Cycle	False	
Most Recent Odometer Value	2098	miles
Original Odometer Value	2098	miles
Frequency Counter	4	
Ignition Cycle Counter	2	

DMRL | B2199-16 | Stored | Battery Voltage-Circuit Voltage Below Threshold

NAME	VALUE	UNITS
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Not Completed This Operation Cycle	False	
DTC Extended Data Record Number - All	01	
Test Failed Since Last Clear	True	
Occurrence flag	Occurrence	
Warning Indicator Requested	False	
Original Odometer Value	2098	miles
Frequency Counter	2	
Ignition Cycle Counter	16	
Most Recent Odometer Value	2098	miles

DMRL | B224F-54 | Active | Door Module Internal-Missing Calibration

NAME	VALUE	UNITS
Test Failed	True	
Test Failed This Operation Cycle	False	

Pending DTC	False	
Test Not Completed Since Last Clear	False	
Confirmed DTC	True	
Test Failed Since Last Clear	True	
Warning Indicator Requested	False	
DTC Extended Data Record Number - All	01	
Occurrence flag	ERROR	
Test Not Completed This Operation Cycle	False	
Original Odometer Value	1491	miles
Ignition Cycle Counter	0	
Frequency Counter	1	
Most Recent Odometer Value	1491	miles

DMRR | B21DD-84 | Stored | System Voltage-Signal Below Allowable Range

NAME	VALUE	UNITS
Test Failed This Operation Cycle	False	
Pending DTC	False	
Confirmed DTC	True	
Test Failed	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	Occurrence	
DTC Extended Data Record Number - All	01	
Original Odometer Value	2098	miles
Most Recent Odometer Value	2098	miles
Frequency Counter	4	
Ignition Cycle Counter	2	

DMRR | B2199-16 | Stored | Battery Voltage-Circuit Voltage Below Threshold

NAME	VALUE	UNITS
Test Failed This Operation Cycle	False	
Test Failed	False	
Pending DTC	False	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Confirmed DTC	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
Occurrence flag	Occurrence	
DTC Extended Data Record Number - All	01	
Most Recent Odometer Value	2098	miles
Frequency Counter	2	

Original Odometer Value	2098	miles
Ignition Cycle Counter	16	

DMRR | B224F-54 | Active | Door Module Internal-Missing Calibration

NAME	VALUE	UNITS
Test Failed	True	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed This Operation Cycle	False	
Test Failed Since Last Clear	True	
Test Not Completed Since Last Clear	False	
DTC Extended Data Record Number - All	01	
Occurrence flag	ERROR	
Warning Indicator Requested	False	
Original Odometer Value	1491	miles
Frequency Counter	1	
Most Recent Odometer Value	1491	miles
Ignition Cycle Counter	0	

PSDML | B2199-16 | Stored | Battery Voltage-Circuit Voltage Below Threshold

NAME	VALUE	UNITS
Pending DTC	False	
Test Failed This Operation Cycle	False	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Confirmed DTC	True	
Test Failed	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number - All	FF	
Occurrence flag	Occurrence	
Test Not Completed This Operation Cycle	False	
Original Odometer Value	2098	miles
Ignition Cycle Counter	13	
Frequency Counter	26	
Most Recent Odometer Value	2098	miles

PSDML | B21DD-84 | Stored | System Voltage-Signal Below Allowable Range

NAME	VALUE	UNITS
Pending DTC	False	
Test Not Completed Since Last Clear	False	
Test Failed	False	
Test Failed This Operation Cycle	False	
Warning Indicator Requested	False	

Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Occurrence flag	Occurrence	
DTC Extended Data Record Number - All	FF	
Confirmed DTC	True	
Original Odometer Value	2098	miles
Most Recent Odometer Value	2098	miles
Frequency Counter	1	
Ignition Cycle Counter	12	

PSDMR | B2199-16 | Stored | Battery Voltage-Circuit Voltage Below Threshold

NAME	VALUE	UNITS
Test Failed	False	
Test Failed This Operation Cycle	False	
Confirmed DTC	True	
Test Not Completed This Operation Cycle	False	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Pending DTC	False	
Warning Indicator Requested	False	
Occurrence flag	Occurrence	
DTC Extended Data Record Number - All	FF	
Original Odometer Value	2098	miles
Frequency Counter	26	
Ignition Cycle Counter	13	
Most Recent Odometer Value	2098	miles

PSDMR | B21DD-84 | Stored | System Voltage-Signal Below Allowable Range

NAME	VALUE	UNITS
Test Failed This Operation Cycle	False	
Test Failed	False	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number - All	FF	
Occurrence flag	Occurrence	
Ignition Cycle Counter	12	
Most Recent Odometer Value	2098	miles
Frequency Counter	1	
Original Odometer Value	2098	miles

MSM | B222D-00 | Stored | ECU Unable To Configure/Configuration Not Learned-

NAME	VALUE	UNITS
DTC	A2 2D 00	
Test Failed	False	
Pending DTC	False	
Test Failed This Operation Cycle	False	
Confirmed DTC	True	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
Test Not Completed Since Last Clear	False	
DTC Extended Data Record Number - All	01	
Occurrence flag	Occurrence	
DTC Extended Data Record Number	14	
Calibration Version	03 09 00 01	
Destandardization Reason	Diagnostics	
Vertical Front motor sensor - Short to ground	False	
Vertical Rear motor sensor - Short to ground	False	
Vertical Front motor sensor - Short to battery or open	False	
Horizontal motor sensor - Short to ground	False	
Vertical Rear motor sensor - Short to battery or open	False	
Horizontal motor sensor - Short to battery or open	False	
Recliner motor sensor - Short to battery or open	False	
Recliner motor sensor - Short to ground	False	
Movement Direction - Horizontal Motor	Motor not moving	
Movement Direction - Recliner Motor	Motor not moving	
Movement Direction - Vertical Front Motor	Motor not moving	
Movement Direction - Vertical Rear Motor	Motor not moving	
ECU configuration - Vehicle Line	RU	
ECU configuration - Memory Seat	True	
ECU configuration - Telescope/Tilt	False	
ECU configuration - Stow n Assist	True	
ECU configuration - Adjustable Pedals	False	
Original Odometer Value	2098	miles
Most Recent Odometer Value	2098	miles
Ignition Cycle Counter	2	
Frequency Counter	1	
Front Hard Stop - Current	33012	Counts
Learned Seat Travel - Current	786	Counts
Rear Hard Stop - Current	32226	Counts
Default Seat travel length	780	Counts
Front Hard Stop - Pre-destandardization	Not Learned	Counts
Rear Hard Stop - Pre-destandardization	Not Learned	Counts
Rear Hard Stop - Post-destandardization	32226	Counts

Front Hard Stop - Post-destandardization	33012	Counts
Learned Seat Travel - Pre-destandardization	Not Learned	Counts
Learned Seat Travel - Post-destandardization	786	Counts
Position Vertical Rear	32365	Counts
Number of ECU hard resets since latest calibration	794	Counts
Position Horizontal Adjustment	32484	Counts
Position Vertical Front	32838	Counts
Position Recliner	32155	Counts
ECU Voltage	2.837	Volts

MSM | B210A-84 | Stored | System Voltage Low-Signal Below Allowable Range

NAME	VALUE	UNITS
DTC	A1 0A 84	
Test Failed	False	
Pending DTC	False	
Test Failed This Operation Cycle	False	
Test Not Completed Since Last Clear	False	
Confirmed DTC	True	
Warning Indicator Requested	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Occurrence flag	Occurrence	
DTC Extended Data Record Number - All	01	
DTC Extended Data Record Number	0F	
Calibration Version	03 09 00 01	
Destandardization Reason	Diagnostics	
Vertical Front motor sensor - Short to ground	False	
Vertical Rear motor sensor - Short to ground	False	
Vertical Front motor sensor - Short to battery or open	False	
Horizontal motor sensor - Short to ground	False	
Horizontal motor sensor - Short to battery or open	False	
Recliner motor sensor - Short to ground	False	
Vertical Rear motor sensor - Short to battery or open	False	
Recliner motor sensor - Short to battery or open	False	
Movement Direction - Horizontal Motor	Motor not moving	
Movement Direction - Recliner Motor	Motor not moving	
Movement Direction - Vertical Rear Motor	Motor not moving	
Movement Direction - Vertical Front Motor	Motor not moving	
ECU configuration - Vehicle Line	RU	
ECU configuration - Adjustable Pedals	False	
ECU configuration - Telescope/Tilt	False	
ECU configuration - Memory Seat	True	
ECU configuration - Stow n Assist	True	
Original Odometer Value	2098	miles

Frequency Counter	4	
Most Recent Odometer Value	2098	miles
Ignition Cycle Counter	1	
Front Hard Stop - Current	33012	Counts
Learned Seat Travel - Current	786	Counts
Rear Hard Stop - Current	32226	Counts
Default Seat travel length	780	Counts
Rear Hard Stop - Pre-destandardization	Not Learned	Counts
Front Hard Stop - Pre-destandardization	Not Learned	Counts
ECU Voltage	1.717	Volts
Learned Seat Travel - Post-destandardization	786	Counts
Front Hard Stop - Post-destandardization	33012	Counts
Rear Hard Stop - Post-destandardization	32226	Counts
Learned Seat Travel - Pre-destandardization	Not Learned	Counts
Number of ECU hard resets since latest calibration	794	Counts
Position Horizontal Adjustment	32484	Counts
Position Vertical Rear	32365	Counts
Position Vertical Front	32838	Counts
Position Recliner	32155	Counts

MSM | B210D-21 | Stored | Battery Voltage Low-Signal Amplitude < Minimum

NAME	VALUE	UNITS
DTC	A1 0D 21	
Test Failed	False	
Test Failed This Operation Cycle	False	
Confirmed DTC	True	
Pending DTC	False	
Test Not Completed Since Last Clear	False	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
Test Failed Since Last Clear	True	
Occurrence flag	Occurrence	
DTC Extended Data Record Number - All	01	
Calibration Version	03 09 00 01	
DTC Extended Data Record Number	11	
Destandardization Reason	Diagnostics	
Vertical Front motor sensor - Short to ground	False	
Vertical Rear motor sensor - Short to ground	False	
Vertical Front motor sensor - Short to battery or open	False	
Horizontal motor sensor - Short to ground	False	
Vertical Rear motor sensor - Short to battery or open	False	
Horizontal motor sensor - Short to battery or open	False	
Recliner motor sensor - Short to ground	False	
Recliner motor sensor - Short to battery or open	False	

Movement Direction - Horizontal Motor	Motor not moving	
Movement Direction - Recliner Motor	Motor not moving	
Movement Direction - Vertical Front Motor	Motor not moving	
Movement Direction - Vertical Rear Motor	Motor not moving	
ECU configuration - Adjustable Pedals	False	
ECU configuration - Vehicle Line	RU	
ECU configuration - Telescope/Tilt	False	
ECU configuration - Stow n Assist	True	
ECU configuration - Memory Seat	True	
Most Recent Odometer Value	2098	miles
Ignition Cycle Counter	16	
Frequency Counter	1	
Original Odometer Value	2098	miles
Front Hard Stop - Current	33012	Counts
Rear Hard Stop - Current	32226	Counts
Default Seat travel length	780	Counts
Learned Seat Travel - Current	786	Counts
Learned Seat Travel - Pre-destandardization	Not Learned	Counts
Rear Hard Stop - Pre-destandardization	Not Learned	Counts
Front Hard Stop - Post-destandardization	33012	Counts
Learned Seat Travel - Post-destandardization	786	Counts
Rear Hard Stop - Post-destandardization	32226	Counts
Front Hard Stop - Pre-destandardization	Not Learned	Counts
ECU Voltage	1.229	Volts
Position Vertical Rear	32365	Counts
Number of ECU hard resets since latest calibration	794	Counts
Position Recliner	32155	Counts
Position Vertical Front	32838	Counts
Position Horizontal Adjustment	32293	Counts

MSM | U0011-00 | Stored | CAN Interior Bus Off Performance-

NAME	VALUE	UNITS
DTC	C0 11 00	
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Test Not Completed Since Last Clear	False	
Confirmed DTC	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
Test Failed Since Last Clear	True	
DTC Extended Data Record Number - All	01	
Occurrence flag	Occurrence	
Calibration Version	03 09 00 01	

DTC Extended Data Record Number	16	
Destandardization Reason	Diagnostics	
Vertical Front motor sensor - Short to ground	False	
Vertical Front motor sensor - Short to battery or open	False	
Vertical Rear motor sensor - Short to ground	False	
Horizontal motor sensor - Short to ground	False	
Horizontal motor sensor - Short to battery or open	False	
Vertical Rear motor sensor - Short to battery or open	False	
Recliner motor sensor - Short to ground	False	
Recliner motor sensor - Short to battery or open	False	
Movement Direction - Horizontal Motor	Motor not moving	
Movement Direction - Recliner Motor	Motor not moving	
Movement Direction - Vertical Front Motor	Motor not moving	
Movement Direction - Vertical Rear Motor	Motor not moving	
ECU configuration - Vehicle Line	00FF	
ECU configuration - Adjustable Pedals	False	
ECU configuration - Memory Seat	True	
ECU configuration - Stow n Assist	True	
ECU configuration - Telescope/Tilt	False	
Frequency Counter	1	
Original Odometer Value	Odometer value not available / Default	miles
Most Recent Odometer Value	Odometer value not available / Default	miles
Ignition Cycle Counter	19	
Rear Hard Stop - Current	32226	Counts
Front Hard Stop - Current	33012	Counts
Learned Seat Travel - Current	786	Counts
Front Hard Stop - Pre-destandardization	Not Learned	Counts
Rear Hard Stop - Pre-destandardization	Not Learned	Counts
Default Seat travel length	780	Counts
Front Hard Stop - Post-destandardization	33012	Counts
Learned Seat Travel - Pre-destandardization	Not Learned	Counts
ECU Voltage	1.879	Volts
Number of ECU hard resets since latest calibration	794	Counts
Learned Seat Travel - Post-destandardization	786	Counts
Position Horizontal Adjustment	32293	Counts
Rear Hard Stop - Post-destandardization	32226	Counts
Position Vertical Rear	32365	Counts
Position Recliner	32155	Counts
Position Vertical Front	32838	Counts

MSM | B233C-00 | Stored | Commanded Position Not Reachable-

NAME	VALUE	UNITS
Failed Movement Information - Recliner Motor	No Failed Movement	
Failed Movement Information - Horizontal Motor	Movement aborted by operator	

Failed Movement Information - Vertical Rear Motor	No Failed Movement	
Failed Movement Information - Vertical Front Motor	No Failed Movement	
Movement Direction - Recliner Motor	Motor not moving	
Movement Direction - Horizontal Motor	Rearward / Down	
Movement Direction - Vertical Front Motor	Motor not moving	
Movement Direction - Vertical Rear Motor	Motor not moving	
Horizontal Motor Position - start of movement	32389	Counts
Recliner Motor Position - end of movement	32221	Counts
Obstacle Detection Location - Horizontal Motor	No Obstacle Detected	Counts
Vertical Front Motor Position - end of movement	32831	Counts
ECU Voltage - at start of movement	3934	Volts
Horizontal Motor Position - end of movement	32267	Counts
Vertical Rear Motor Position - end of movement	32348	Counts
Vertical Front Motor Position - start of movement	32831	Counts
Recliner Motor Position - start of movement	32221	Counts
ECU Voltage - minimum voltage during movement	2DB2	Volts
Vertical Rear Motor Position - start of movement	32348	Counts

PLGM | B21DD-16 | Stored | System Voltage-Circuit Voltage Below Threshold

NAME	VALUE	UNITS
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Test Failed Since Last Clear	True	
Test Not Completed Since Last Clear	False	
Test Not Completed This Operation Cycle	False	
Confirmed DTC	True	
Occurrence flag	Occurrence	
Warning Indicator Requested	False	
Most Recent Odometer Value	2098	miles
Operation Cycle Counter	0	
Original Odometer Value	2098	miles
Frequency Counter	9	

PLGM | B2199-16 | Stored | Battery Voltage-Circuit Voltage Below Threshold

NAME	VALUE	UNITS
Pending DTC	False	
Test Failed This Operation Cycle	False	
Test Failed	False	
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	
Original Odometer Value	2098	miles
Most Recent Odometer Value	2098	miles
Operation Cycle Counter	0	
Frequency Counter	4	

CSWM | B11C1-13 | Stored | Steering Wheel Heater Power Supply Circuit-Circuit Open

NAME	VALUE	UNITS
DTC	91 C1 13	
DTC Extended Data Record Number - All	00	
Test Not Completed This Operation Cycle	False	
Confirmed DTC	True	
Warning Indicator Requested	False	
Occurrence flag	ERROR	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Pending DTC	False	
Test Failed	False	
Test Failed This Operation Cycle	False	
Frequency Counter	3	
Operation Cycle Counter	14	
Original Odometer Value	2098	miles
Most Recent Odometer Value	2098	miles

CSWM | B2199-16 | Stored | Battery Voltage-Circuit Voltage Below Threshold

NAME	VALUE	UNITS
DTC	A1 99 16	
DTC Extended Data Record Number - All	00	
Confirmed DTC	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
Occurrence flag	Occurrence	
Test Not Completed Since Last Clear	False	
Pending DTC	False	
Test Failed Since Last Clear	True	
Test Failed	False	
Test Failed This Operation Cycle	False	
Operation Cycle Counter	20	
Frequency Counter	1	
Most Recent Odometer Value	2098	miles
Original Odometer Value	2098	miles

CSWM | B21DD-84 | Stored | System Voltage-Signal Below Allowable Range

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

DTC	A1 DD 84	
Confirmed DTC	True	
Warning Indicator Requested	False	
Test Not Completed This Operation Cycle	False	
DTC Extended Data Record Number - All	00	
Occurrence flag	Occurrence	
Test Not Completed Since Last Clear	False	
Pending DTC	False	
Test Failed	False	
Test Failed This Operation Cycle	False	
Test Failed Since Last Clear	True	
Frequency Counter	1	
Operation Cycle Counter	20	
Original Odometer Value	2098	miles
Most Recent Odometer Value	2098	miles

AMP | B2199-16 | Stored | Battery Voltage-Circuit Voltage Below Threshold

NAME	VALUE	UNITS
Test Failed	False	
Confirmed DTC	True	
Pending DTC	False	
Test Failed This Operation Cycle	False	
Test Failed Since Last Clear	True	
DTC Extended Data Record Number - All	01	
Test Not Completed This Operation Cycle	False	
Test Not Completed Since Last Clear	False	
Warning Indicator Requested	False	
Occurrence flag	ERROR	
Original Odometer Value	2098	miles
Frequency Counter	4	
Ignition Cycle Counter	3	
Most Recent Odometer Value	0	miles

AMP | B21DD-84 | Stored | System Voltage-Signal Below Allowable Range

NAME	VALUE	UNITS
Test Failed This Operation Cycle	False	
Test Failed	False	
Pending DTC	False	
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	
DTC Extended Data Record Number - All	01	

Occurrence flag	ERROR	
Most Recent Odometer Value	2098	miles
Frequency Counter	1	
Ignition Cycle Counter	7	
Original Odometer Value	2098	miles

IPC | B1612-00 | Stored | Panel Illumination Control-

NAME	VALUE	UNITS
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	False	
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	False	
DTC Extended Data Record Number - All	FF	
Occurrence flag	Occurrence	
Original Odometer Value	2098	miles
Frequency Counter	4	
Ignition Cycle Counter	0	
Most Recent Odometer Value	2098	miles

IPC | B21DD-84 | Stored | System Voltage-Signal Below Allowable Range

NAME	VALUE	UNITS
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Test Not Completed Since Last Clear	False	
Confirmed DTC	True	
Test Failed Since Last Clear	True	
Warning Indicator Requested	False	
DTC Extended Data Record Number - All	FF	
Test Not Completed This Operation Cycle	False	
Occurrence flag	Occurrence	
Original Odometer Value	2098	miles
Frequency Counter	5	
Ignition Cycle Counter	0	
Most Recent Odometer Value	2098	miles

IPC | B2199-16 | Stored | Battery Voltage-Circuit Voltage Below Threshold

NAME	VALUE	UNITS
Test Failed	False	
Test Failed This Operation Cycle	False	

Pending DTC	False	
Confirmed DTC	True	
Test Failed Since Last Clear	True	
Test Not Completed Since Last Clear	False	
Test Not Completed This Operation Cycle	False	
DTC Extended Data Record Number - All	FF	
Warning Indicator Requested	False	
Occurrence flag	Occurrence	
Frequency Counter	2	
Original Odometer Value	2098	miles
Ignition Cycle Counter	0	
Most Recent Odometer Value	2098	miles

IPC | B275B-00 | Stored | Airbag Telltale-

NAME	VALUE	UNITS
Test Failed	False	
Test Failed This Operation Cycle	False	
Confirmed DTC	True	
Pending DTC	False	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number - All	FF	
Occurrence flag	Occurrence	
Frequency Counter	1	
Original Odometer Value	2098	miles
Ignition Cycle Counter	4	
Most Recent Odometer Value	2098	miles

PTS | B21DD-16 | Stored | System Voltage-Circuit Voltage Below Threshold

NAME	VALUE	UNITS
DTC	A1 DD 16	
Test Failed	False	
Test Failed This Operation Cycle	False	
Confirmed DTC	True	
Pending DTC	True	
Test Failed Since Last Clear	True	
Test Not Completed Since Last Clear	False	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
Occurrence flag	ERROR	
DTC Extended Data Record Number - All	03	
Original Odometer Value	0	miles

Most Recent Odometer Value	2098	miles
Frequency Counter	4	
DC/DC Converter Voltage	02	Volt

PTS | B210C-16 | Stored | Battery Voltage Input-Circuit Voltage Below Threshold

NAME	VALUE	UNITS
DTC	A1 0C 16	
Test Failed	False	
Test Failed This Operation Cycle	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Pending DTC	True	
Test Not Completed This Operation Cycle	False	
Test Failed Since Last Clear	True	
Warning Indicator Requested	False	
Occurrence flag	ERROR	
DTC Extended Data Record Number - All	03	
Original Odometer Value	0	miles
Most Recent Odometer Value	2098	miles
DC/DC Converter Voltage	02	Volt
Frequency Counter	4	

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	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
DTC Extended Data Record Number - All	03	
Warning Indicator Requested	False	
Occurrence flag	Occurrence	
Original Odometer Value	0	miles
Frequency Counter	3	
Most Recent Odometer Value	2098	miles
DC/DC Converter Voltage	02	Volt

SCCM | C212A-16 | Stored | System Voltage-Circuit Voltage Below Threshold

NAME	VALUE	UNITS
Test Failed This Operation Cycle	False	
DTC	61 2A 16	

Confirmed DTC	True	
Test Failed	False	
Test Failed Since Last Clear	True	
Pending DTC	False	
Occurrence flag	ERROR	
Test Not Completed This Operation Cycle	False	
Test Not Completed Since Last Clear	False	
DTC Extended Data Record Number - All	01	
Warning Indicator Requested	False	
DTC Extended Data Record Number - 2	02	
Sub-Faults Saved	00 00	
Ignition Status	Ignition Run	
Sub-Faults Active	00 01	
Operating Voltage	9.9	Volts
Most Recent Odometer Value	2098	miles
Original Odometer Value	1491	miles
Frequency Counter	4	
Ignition Cycle Counter	2	

RADIO | B1400-11 | Stored | Front Left Audio Speaker Output-Circuit Short to Ground

NAME	VALUE	UNITS
DTCTable	94 00 11	
TestFailed	False	
TestFailedThisMonitoringCycle	False	
Confirmed DTC	True	
Pending DTC	False	
Test Not Completed This Monitoring Cycle	False	
Warning Indicator Requested	False	
DTCExtendedDataRecordNumber	FF	
Occurance Flag	Occurrence	
Reserved	Reserved	
RDI \$6080	60 80	
Event Counter	5F	
Original Odometer Value	Odometer value not available / Default	miles
Most Recent Odometer Value	2098	miles
Frequency Counter	2	
Ignition Counter	5	

RADIO | B1404-11 | Stored | Front Right Audio Speaker Output-Circuit Short to Ground

NAME	VALUE	UNITS
DTCTable	94 04 11	
TestFailed	False	
TestFailedThisMonitoringCycle	False	
Confirmed DTC	True	

Pending DTC	False	
Test Not Completed This Monitoring Cycle	False	
Warning Indicator Requested	False	
DTCExtendedDataRecordNumber	FF	
Occurance Flag	Occurrence	
Reserved	Reserved	
RDI \$6080	60 80	
Event Counter	5F	
Most Recent Odometer Value	2098	miles
Frequency Counter	2	
Ignition Counter	5	
Original Odometer Value	Odometer value not available / Default	miles

RADIO | B1408-11 | Stored | Rear Left Audio Speaker Output-Circuit Short to Ground

NAME	VALUE	UNITS
DTCTable	94 08 11	
TestFailed	False	
Pending DTC	False	
TestFailedThisMonitoringCycle	False	
Confirmed DTC	True	
Test Not Completed This Monitoring Cycle	False	
Warning Indicator Requested	False	
DTCExtendedDataRecordNumber	FF	
Occurance Flag	Occurrence	
Reserved	Reserved	
RDI \$6080	60 80	
Event Counter	5F	
Original Odometer Value	Odometer value not available / Default	miles
Most Recent Odometer Value	2098	miles
Frequency Counter	2	
Ignition Counter	5	

RADIO | B280B-00 | Stored | NTSC Video Input-

NAME	VALUE	UNITS
DTCTable	A8 0B 00	
TestFailed	False	
TestFailedThisMonitoringCycle	False	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed This Monitoring Cycle	False	
Warning Indicator Requested	False	
DTCExtendedDataRecordNumber	FF	
Occurance Flag	Occurrence	
Reserved	Reserved	

RDI \$6080	60 80	
Event Counter	5F	
Original Odometer Value	1491	miles
Frequency Counter	255	
Most Recent Odometer Value	2098	miles
Ignition Counter	5	

RADIO | U0002-00 | Stored | CAN C Bus Off Performance-

NAME	VALUE	UNITS
DTCTable	C0 02 00	
TestFailed	False	
TestFailedThisMonitoringCycle	False	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed This Monitoring Cycle	False	
Warning Indicator Requested	False	
DTCExtendedDataRecordNumber	FF	
Occurance Flag	Occurrence	
Reserved	Reserved	
RDI \$6080	60 80	
Event Counter	5F	
Original Odometer Value	2088	miles
Most Recent Odometer Value	2088	miles
Frequency Counter	1	
Ignition Counter	5	

RADIO | B140C-11 | Stored | Rear Right Audio Speaker Output-Circuit Short to Ground

NAME	VALUE	UNITS
DTCTable	94 0C 11	
TestFailed	False	
TestFailedThisMonitoringCycle	False	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed This Monitoring Cycle	False	
Warning Indicator Requested	False	
DTCExtendedDataRecordNumber	FF	
Occurance Flag	Occurrence	
Reserved	Reserved	
RDI \$6080	60 80	
Event Counter	5F	
Frequency Counter	2	
Original Odometer Value	Odometer value not available / Default	miles
Most Recent Odometer Value	2098	miles
Ignition Counter	5	

RADIO | U11BB-00 | Stored | Lost Communication with Video Routing Module-

NAME	VALUE	UNITS
DTCTable	D1 BB 00	
TestFailed	False	
TestFailedThisMonitoringCycle	False	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed This Monitoring Cycle	False	
Warning Indicator Requested	False	
Occurance Flag	Occurrence	
DTCExtendedDataRecordNumber	FF	
Reserved	Reserved	
RDI \$6080	60 80	
Event Counter	63	
Most Recent Odometer Value	Odometer value not available / Default	miles
Original Odometer Value	Odometer value not available / Default	miles
Frequency Counter	1	
Ignition Counter	1	

OCM | B210A-00 | Stored | System Voltage Low-

NAME	VALUE	UNITS
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Test Not Completed Since Last Clear	False	
Warning Indicator Requested	False	
Occurrence flag	ERROR	
Confirmed DTC	True	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Original Odometer Value	2098	miles
Most Recent Odometer Value	2098	miles
Frequency Counter	4	
Ignition Cycle Counter	2	

HVACR | B2199-16 | Stored | Battery Voltage-Circuit Voltage Below Threshold

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

Occurrence flag	ERROR	
Warning Indicator Requested	False	
DTC Extended Data Record Number - All	01	
Original Odometer Value	2098	miles
Most Recent Odometer Value	2098	miles
Frequency Counter	2	
Ignition Cycle Counter	2	

HVACR | B21DD-84 | Stored | System Voltage-Signal Below Allowable Range

NAME	VALUE	UNITS
Test Failed This Operation Cycle	False	
Test Failed	False	
Test Not Completed Since Last Clear	False	
Confirmed DTC	True	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Pending DTC	False	
Occurrence flag	ERROR	
DTC Extended Data Record Number - All	01	
Warning Indicator Requested	False	
Frequency Counter	4	
Most Recent Odometer Value	2098	miles
Original Odometer Value	2098	miles
Ignition Cycle Counter	2	

LBSS | B21DD-84 | Stored | System Voltage-Signal Below Allowable Range

NAME	VALUE	UNITS
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	True	
Confirmed DTC	True	
Warning Indicator Requested	False	
DTC Extended Data Record Number - All	01	
Test Not Completed Since Last Clear	False	
Occurrence flag	Occurrence	
Test Not Completed This Operation Cycle	False	
Test Failed Since Last Clear	True	
Original Odometer Value	2098	miles
Most Recent Odometer Value	2098	miles
Operation Cycle Counter	1	
Frequency Counter	3	

LBSS | B2199-16 | Stored | Battery Voltage-Circuit Voltage Below Threshold

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

Test Failed	False	
Test Failed This Operation Cycle	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Pending DTC	False	
DTC Extended Data Record Number - All	01	
Warning Indicator Requested	False	
Occurrence flag	Occurrence	
Operation Cycle Counter	13	
Frequency Counter	2	
Most Recent Odometer Value	2098	miles
Original Odometer Value	2098	miles

RBSS | B21DD-84 | Stored | System Voltage-Signal Below Allowable Range

NAME	VALUE	UNITS
Test Failed This Operation Cycle	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed	False	
Pending DTC	True	
Test Not Completed This Operation Cycle	False	
Test Failed Since Last Clear	True	
Warning Indicator Requested	False	
DTC Extended Data Record Number - All	01	
Frequency Counter	3	
Most Recent Odometer Value	2098	miles
Original Odometer Value	2098	miles
Operation Cycle Counter	1	

RBSS | B2199-16 | Stored | Battery Voltage-Circuit Voltage Below Threshold

NAME	VALUE	UNITS
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Confirmed DTC	True	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number - All	01	
Test Not Completed Since Last Clear	False	
Frequency Counter	2	
Operation Cycle Counter	13	

Original Odometer Value	2098	miles
Most Recent Odometer Value	2098	miles

EDM | B210A-00 | Stored | System Voltage Low-

NAME	VALUE	UNITS
Test Failed	False	
Pending DTC	False	
Test Failed This Operation Cycle	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
DTC Extended Data Record Number - All	01	
Warning Indicator Requested	False	
Occurrence flag	Occurrence	
Test Not Completed This Operation Cycle	False	
Original Odometer Value	2098	miles
Frequency Counter	10	
Most Recent Odometer Value	2098	miles
Ignition Cycle Counter	2	

EDM | U0011-00 | Stored | CAN Interior Bus Off Performance-

NAME	VALUE	UNITS
Test Failed	False	
Test Failed This Operation Cycle	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Pending DTC	False	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number - All	01	
Occurrence flag	Occurrence	
Frequency Counter	2	
Original Odometer Value	2098	miles
Most Recent Odometer Value	2098	miles
Ignition Cycle Counter	2	

EDM | U11BB-00 | Stored | Lost Communication with Video Routing Module-

NAME	VALUE	UNITS
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Confirmed DTC	True	
Test Failed Since Last Clear	True	

Test Not Completed This Operation Cycle	False	
Test Not Completed Since Last Clear	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number - All	01	
Occurrence flag	Occurrence	
Original Odometer Value	2098	miles
Frequency Counter	2	
Ignition Cycle Counter	4	
Most Recent Odometer Value	2098	miles

EDM | B210D-00 | Stored | Battery Voltage Low-

NAME	VALUE	UNITS
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Confirmed DTC	True	
Test Failed Since Last Clear	True	
Test Not Completed Since Last Clear	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number - All	01	
Test Not Completed This Operation Cycle	False	
Occurrence flag	Occurrence	
Original Odometer Value	2098	miles
Frequency Counter	1	
Ignition Cycle Counter	7	
Most Recent Odometer Value	2098	miles

BPCM | U0293-00 | Stored | Lost Communication with Hybrid Control Module "A"-

NAME	VALUE	UNITS
Key in Ignition	Key_Def	
Key Position	Ign_ Run	
EPT -WakeUp	Sourced	
Qualified Contactor Command - QCC	Open	
HCP Contactor Command	Impact Open	
Contactor Status	Open	
Plug in Status	Not plugged in	
Verified Contactor Command - VCC	Invalid	
ChargingLevel	Plug in, but no charge	
Balance Mode	False	
Battery in Periodic wake up (Just battery) at time of Fault	False	
Battery in Periodic wake up (Wake up vehicle) at time of Fault	False	
HVIL Status -Vehicle	Not Sourced	
HVIL Status - Battery pack	PASS	
Pump - Wire Open\Short to Gnd	PASS	

Pump - Dry Run Detection	PASS	
Pump - Overcurrent	PASS	
Pump - Overtemperature	PASS	
Pump - Switch Power Shorted	PASS	
Fault trigger level 1	False	
Fault trigger level 2	False	
Fault trigger level 3	False	
Fault Path	01	
Key - DriveRdy (CAN)	True	
Battery Cell Highest Cell number	84	
Battery Cell Lowest Cell number	40	
Battery Temperature Lowest Sensor number	12	
Battery Temperature Number of Failing Sensors	00	
Battery Temperature Highest Sensor number	04	
HV Cooling Pump Relay Drive	Not Sourced	
Pump - Battery Coolant Level Low	False	
Isolation Vehicle Diagnostic Status	Run and Passed	
Isolation Battery Diagnostic Status	Run and Passed	
BPCM Sec Asic Reset Req	Not active	
BPCM Sec CC Path Test Active	Not active	
BPCM Sec Asic Fault Input	Not active	
BPCM L2 General Monitoring Flt Rsn	L2L1_CELL_MAX_V_CMP_FLT	
BPCM L2 CC Path Test Req	Undetermined	
BPCM L2 Contactor Dslb Req	Undetermined	
BPCM L2 ASIC Diagnostic Flt Rsn	ADCTest	
BPCM Sec HW Timer Status	Not active	
BPCM Sec Contactor State	Open	
BPCM Main HW Timer Status	Not active	
BPCM Sec Asic Fault State	NOTASSERTED	
Real Time Clock Validity	True	
DTC	C2 93 00	
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number - All	01	
Occurrence flag	ERROR	
DTC Extended Data Record Number - 2	A8	
Frequency Counter	37	
FoM - for this DTC (lifetime fails)	4	events

Ignition Cycle Counter	1	
FoM - for this DTC (lifetime fails counts on pass)	0.0000	seconds
Battery Total Time Awake	9623353	seconds
Vehicle mileage at time of fault (ODO signal in \$3D2)	0.00	miles
FoM - for this DTC (lifetime longest fail on pass)	0.000	seconds
Battery Lifetime Miles	BC81EF	miles
Vehicle Speed	0.0	MPH
System (12) Volts at time of fault	10.910	Volts
Battery Lifetime AmpHrs of Charge	1009.1	AHr
Battery Lifetime AmpHrs of DisCharge	998.5	AHr
SOC at time of Fault	44.7	%
Power Up SOC at time of Fault	44.7	%
HVIL PWM Duty Cycle - Vehicle	0.0	%
HVIL PWM Frequency - Vehicle	0.0	Hz
HVIL PWM peak voltage Sourced - Vehicle	0.446	Volts
HVIL Returned current - Battery	30.40	mA
HVIL Source Voltage- Battery	1.385	Volts
HVIL PWM peak voltage Sensed - Vehicle	0.416	Volts
HV Battery Current Sensor 1 Hall High	-2.10	Amps
HV Battery Current HVBatCrnt	0.10	Amps
HV Battery Current Sensor 2 Hall Low	0.05	Amps
HV Cooling Speed Pump 1 Target	0	rpm
HV Cooling Speed pump 1 Speed	0	rpm
BPCM temperature min	43	°F
BPCM temperature max	46	°F
Isolation Circuitry Va	2.500	Volts
Charge indicator Temp	34	°F
Isolation Circuitry Vb	2.502	Volts
WC and Circuitry Vcc Voltage	4.985	Volts
Isolation Circuitry Vd	0.000	Volts
WC and Circuitry 2.5V Reference Voltage	2.501	Volts
WC and CircuitryISO 8V Reference Voltage	7.961	Volts
Cycles left to self heal	40	No Unit
WC and Circuitry Weld Contactor Sensor G (Pack Negative) Voltage	-4.4	Volts
HV Battery Discharge Power 2sec	3000	watts
HV Battery Discharge Power 10sec	3000	watts
HV Battery Charge Power 10sec	3000	watts
HV Battery Power	007530	watts
HV Battery Charge Power 2sec	3000	watts
Battery Lifetime Number Of Closes	417	
Cell Impedance Max Discharge	0	mOhms
Battery Full AmpHr Capacity	49	AmpHrs
Cell Impedance Mim Discharge	0	mOhms
Battery Cell Voltage Minimum	3636	mV

Battery Cell Voltage Maximum	3642	mV
Battery Cell Voltage Average	3638	mV
HV Battery Voltage (Module Sum)	348.80	Volts
HV Sensor A Pack Voltage	1.30	Volts
HV Battery Voltage (cell sum)	349.30	Volts
HV Sensor C OBCM (HVOBC Fuse) Voltage	0.60	Volts
Battery Temperature Maximum Module	46	°F
HV Sensor G Weld Contactor(Pack Negative) Voltage	-4.4	Volts
HV Sensor D Heater (HVHTR Fuse) Voltage	0.60	Volts
Battery Temperature Minimum Module	43	°F
HV Sensor B Bus\Link (Pre-Fuse) Voltage	0.60	Volts
Battery Temperature Average Module	45	°F
HV Cooling Battery coolant inlet temp	37	°F
HV Cooling OBCM temp inlet Temp	45	°F
HV Cooling Battery coolant outlet temp	39	°F
Isolation Vehicle Impedance	8.2670	Mega Ohms
Isolation Battery Impedance	0.8480	Mega Ohms
HV Bat SOH-R	97.3	%
BPCM Sec QA Error Counter	0	cnts
BPCM Sec MM Hw Reset Error Counter	0	cnts
BPCM L2 SM Hw Reset Error Counter	0	No Unit
HV Bat SOH-C	94.5	%
Engine Speed	0	rpm
Accelerator position	7.5	%
Real time clock	429496.7295	seconds
Real time clock-OS Task Delay Timer	0	
Original Odometer Value	0	miles
Most Recent Odometer Value	2098	miles

BPCM | U0594-00 | Stored | Implausible Data Received From Hybrid Control Module "A"-

NAME	VALUE	UNITS
Key in Ignition	Key_Def	
EPT-WakeUp	Sourced	
Key Position	Ign_Run	
HCP Contactor Command	Impact Open	
Verified Contactor Command - VCC	Invalid	
Qualified Contactor Command - QCC	Open	
Contactor Status	Open	
Plug in Status	Not plugged in	
ChargingLevel	Plug in, but no charge	
Balance Mode	False	
Battery in Periodic wake up (Just battery) at time of Fault	False	
Battery in Periodic wake up (Wake up vehicle) at time of Fault	False	
HVIL Status -Vehicle	Not Sourced	

HVIL Status - Battery pack	PASS	
Pump - Wire Open\Short to Gnd	PASS	
Pump - Dry Run Detection	PASS	
Pump - Overcurrent	PASS	
Pump - Overtemperature	PASS	
Pump - Switch Power Shorted	PASS	
Fault trigger level 1	False	
Fault trigger level 2	False	
Fault trigger level 3	False	
Fault Path	01	
Key - DriveRdy (CAN)	True	
Battery Cell Highest Cell number	86	
Battery Cell Lowest Cell number	51	
Battery Temperature Highest Sensor number	04	
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	
Battery Temperature Number of Failing Sensors	00	
BPCM Sec Asic Reset Req	Not active	
BPCM Sec CC Path Test Active	Not active	
BPCM L2 General Monitoring Flt Rsn	L2L1_CELL_MAX_V_CMP_FLT	
BPCM Sec Asic Fault Input	Not active	
BPCM L2 CC Path Test Req	Undetermined	
BPCM L2 Contactor Dslb Req	Undetermined	
BPCM L2 ASIC Diagnostic Flt Rsn	ADCTest	
BPCM Sec HW Timer Status	Not active	
BPCM Sec Contactor State	Open	
BPCM Main HW Timer Status	Not active	
BPCM Sec Asic Fault State	Undefined	
DTC	C5 94 00	
Real Time Clock Validity	True	
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number - All	01	
Occurrence flag	ERROR	
DTC Extended Data Record Number - 2	AB	

Frequency Counter	1	
FoM - for this DTC (lifetime fails)	2	events
Ignition Cycle Counter	1	
FoM - for this DTC (lifetime fails counts on pass)	0.0000	seconds
FoM - for this DTC (lifetime longest fail on pass)	0.000	seconds
Vehicle mileage at time of fault (ODO signal in \$3D2)	0.00	miles
Battery Total Time Awake	9627034	seconds
Vehicle Speed	FE	MPH
Battery Lifetime Miles	BC1821	miles
System (12) Volts at time of fault	10.821	Volts
Battery Lifetime AmpHrs of DisCharge	998.5	AHr
Power Up SOC at time of Fault	44.7	%
Battery Lifetime AmpHrs of Charge	1009.1	AHr
SOC at time of Fault	44.3	%
HVIL PWM Frequency - Vehicle	0.0	Hz
HVIL PWM Duty Cycle - Vehicle	0.0	%
HVIL Source Voltage- Battery	1.385	Volts
HVIL PWM peak voltage Sensed - Vehicle	3.579	Volts
HVIL PWM peak voltage Sourced - Vehicle	3.671	Volts
HV Battery Current Sensor 2 Hall Low	0.05	Amps
HV Battery Current Sensor 1 Hall High	-0.85	Amps
HVIL Returned current - Battery	30.40	mA
HV Cooling Speed Pump 1 Target	0	rpm
HV Cooling Speed pump 1 Speed	0	rpm
HV Battery Current HVBatCmt	0.00	Amps
Charge indicator Temp	28	°F
BPCM temperature max	45	°F
BPCM temperature min	41	°F
Isolation Circuitry Vb	2.502	Volts
Isolation Circuitry Va	2.500	Volts
Isolation Circuitry Vd	0.000	Volts
WC and Circuitry Vcc Voltage	4.985	Volts
Cycles left to self heal	40	No Unit
WC and Circuitry 2.5V Reference Voltage	2.501	Volts
WC and Circuitry Weld Contactor Sensor G (Pack Negative) Voltage	-1.8	Volts
WC and CircuitryISO 8V Reference Voltage	7.961	Volts
HV Battery Charge Power 2sec	83517	watts
HV Battery Discharge Power 2sec	87669	watts
HV Battery Charge Power 10sec	79440	watts
HV Battery Discharge Power 10sec	85560	watts
HV Battery Power	007530	watts
Battery Lifetime Number Of Closes	417	
Battery Full AmpHr Capacity	49	AmpHrs
Cell Impedance Max Discharge	0	mOhms

Cell Impedance Mim Discharge	0	mOhms
Battery Cell Voltage Maximum	3641	mV
Battery Cell Voltage Minimum	3635	mV
Battery Cell Voltage Average	3638	mV
HV Battery Voltage (cell sum)	349.30	Volts
HV Battery Voltage (Module Sum)	348.80	Volts
HV Sensor A Pack Voltage	1.30	Volts
HV Sensor C OBCM (HVOBC Fuse) Voltage	0.60	Volts
HV Sensor D Heater (HVHTR Fuse) Voltage	0.60	Volts
Battery Temperature Maximum Module	45	°F
HV Sensor G Weld Contactor(Pack Negative) Voltage	-1.8	Volts
Battery Temperature Minimum Module	41	°F
Battery Temperature Average Module	43	°F
HV Cooling Battery coolant outlet temp	32	°F
HV Sensor B Bus\Link (Pre-Fuse) Voltage	0.60	Volts
HV Cooling Battery coolant inlet temp	32	°F
HV Cooling OBCM temp inlet Temp	36	°F
Isolation Vehicle Impedance	8.2670	Mega Ohms
Isolation Battery Impedance	0.8480	Mega Ohms
HV Bat SOH-R	97.3	%
HV Bat SOH-C	94.5	%
BPCM L2 SM Hw Reset Error Counter	0	No Unit
BPCM Sec QA Error Counter	0	cnts
Engine Speed	0	rpm
BPCM Sec MM Hw Reset Error Counter	0	cnts
Accelerator position	7.8	%
Real time clock	429496.7295	seconds
Real time clock-OS Task Delay Timer	0	
Original Odometer Value	0	miles
Most Recent Odometer Value	0	miles

BPCM | P0562-00 | Stored | System Voltage Low-

NAME	VALUE	UNITS
Key Position	Ign_ Start	
Key in Ignition	Key_Def	
HCP Contactor Command	Impact Open	
Qualified Contactor Command - QCC	Open	
EPT -WakeUp	Sourced	
Verified Contactor Command - VCC	Invalid	
Plug in Status	Not plugged in	
Contactor Status	Open	
ChargingLevel	Plug in, but no charge	
Balance Mode	False	
Battery in Periodic wake up (Just battery) at time of Fault	False	

Battery in Periodic wake up (Wake up vehicle) at time of Fault	False	
HVIL Status -Vehicle	PASS	
HVIL Status - Battery pack	PASS	
Pump - Wire Open\Short to Gnd	PASS	
Pump - Overcurrent	PASS	
Pump - Dry Run Detection	PASS	
Pump - Overtemperature	PASS	
Pump - Switch Power Shorted	PASS	
Fault trigger level 1	False	
Fault trigger level 2	False	
Fault trigger level 3	False	
Fault Path	01	
Key - DriveRdy (CAN)	True	
Battery Cell Highest Cell number	83	
Battery Cell Lowest Cell number	32	
Battery Temperature Highest Sensor number	04	
Battery Temperature Lowest Sensor number	12	
Battery Temperature Number of Failing Sensors	00	
HV Cooling Pump Relay Drive	Not Sourced	
Pump - Battery Coolant Level Low	False	
Isolation Vehicle Diagnostic Status	Run and Passed	
Isolation Battery Diagnostic Status	Run and Passed	
BPCM Sec Asic Reset Req	Not active	
BPCM Sec Asic Fault Input	Not active	
BPCM Sec CC Path Test Active	Not active	
BPCM L2 General Monitoring Flt Rsn	L2L1_CELL_MAX_V_CMP_FLT	
BPCM L2 CC Path Test Req	Undetermined	
BPCM L2 Contactor Dslb Req	Undetermined	
BPCM Sec HW Timer Status	Not active	
BPCM L2 ASIC Diagnostic Flt Rsn	ADCTest	
BPCM Sec Contactor State	Open	
BPCM Main HW Timer Status	Not active	
BPCM Sec Asic Fault State	Undefined	
Real Time Clock Validity	True	
DTC	05 62 00	
Test Failed This Operation Cycle	False	
Test Failed	False	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
DTC Extended Data Record Number - All	01	
Warning Indicator Requested	False	

Occurrence flag	ERROR	
DTC Extended Data Record Number - 2	00	
FoM - for this DTC (lifetime fails)	3	events
Frequency Counter	3	
FoM - for this DTC (lifetime fails counts on pass)	0.0000	seconds
Ignition Cycle Counter	1	
FoM - for this DTC (lifetime longest fail on pass)	0.000	seconds
Battery Lifetime Miles	BCB6D7	miles
Battery Total Time Awake	9623110	seconds
Vehicle mileage at time of fault (ODO signal in \$3D2)	2103.80	miles
Battery Lifetime AmpHrs of Charge	1009.1	AHr
Vehicle Speed	0.0	MPH
Battery Lifetime AmpHrs of DisCharge	998.5	AHr
System (12) Volts at time of fault	6.599	Volts
Power Up SOC at time of Fault	44.7	%
HVIL PWM Duty Cycle - Vehicle	49.8	%
SOC at time of Fault	44.7	%
HVIL PWM Frequency - Vehicle	87.9	Hz
HVIL PWM peak voltage Sensed - Vehicle	5.342	Volts
HVIL Source Voltage- Battery	1.385	Volts
HVIL PWM peak voltage Sourced - Vehicle	5.398	Volts
HVIL Returned current - Battery	30.40	mA
HV Battery Current Sensor 2 Hall Low	0.05	Amps
HV Battery Current Sensor 1 Hall High	-1.25	Amps
HV Cooling Speed Pump 1 Target	0	rpm
HV Battery Current HVBatCrnt	0.10	Amps
HV Cooling Speed pump 1 Speed	0	rpm
Charge indicator Temp	34	°F
BPCM temperature min	43	°F
Isolation Circuitry Va	2.500	Volts
BPCM temperature max	46	°F
Isolation Circuitry Vb	2.501	Volts
WC and Circuitry 2.5V Reference Voltage	2.501	Volts
Isolation Circuitry Vd	0.000	Volts
WC and Circuitry Vcc Voltage	4.946	Volts
WC and CircuitryISO 8V Reference Voltage	7.958	Volts
Cycles left to self heal	40	No Unit
WC and Circuitry Weld Contactor Sensor G (Pack Negative) Voltage	-1.0	Volts
HV Battery Charge Power 2sec	70056	watts
HV Battery Charge Power 10sec	66789	watts
HV Battery Discharge Power 2sec	6129	watts
HV Battery Discharge Power 10sec	5991	watts
Battery Lifetime Number Of Closes	417	
Battery Full AmpHr Capacity	49	AmpHrs

Cell Impedance Max Discharge	0	mOhms
HV Battery Power	007530	watts
Cell Impedance Mim Discharge	0	mOhms
Battery Cell Voltage Maximum	3642	mV
Battery Cell Voltage Minimum	3635	mV
Battery Cell Voltage Average	3638	mV
HV Battery Voltage (Module Sum)	348.80	Volts
HV Battery Voltage (cell sum)	349.30	Volts
HV Sensor C OBCM (HVOBC Fuse) Voltage	0.60	Volts
HV Sensor A Pack Voltage	1.20	Volts
HV Sensor D Heater (HVHTR Fuse) Voltage	0.60	Volts
HV Sensor G Weld Contactor(Pack Negative) Voltage	-1.0	Volts
Battery Temperature Maximum Module	46	°F
Battery Temperature Minimum Module	43	°F
HV Sensor B Bus\Link (Pre-Fuse) Voltage	0.60	Volts
Battery Temperature Average Module	45	°F
HV Cooling Battery coolant inlet temp	37	°F
HV Cooling OBCM temp inlet Temp	45	°F
HV Cooling Battery coolant outlet temp	39	°F
HV Bat SOH-R	97.3	%
Isolation Vehicle Impedance	8.2670	Mega Ohms
BPCM Sec QA Error Counter	0	cnts
HV Bat SOH-C	94.5	%
BPCM Sec MM Hw Reset Error Counter	0	cnts
Isolation Battery Impedance	0.8480	Mega Ohms
BPCM L2 SM Hw Reset Error Counter	0	No Unit
Engine Speed	0	rpm
Accelerator position	7.8	%
Original Odometer Value	2098	miles
Real time clock	429496.7295	seconds
Real time clock-OS Task Delay Timer	0	
Most Recent Odometer Value	2098	miles

BPCM | P1A0C-00 | Stored | Battery Energy Control Module System Voltage Low-

NAME	VALUE	UNITS
Key in Ignition	Key_Def	
Key Position	Ign_Run	
EPT -WakeUp	Sourced	
HCP Contactor Command	Open	
Qualified Contactor Command - QCC	Open	
Verified Contactor Command - VCC	Open	
Contactor Status	Open	
Plug in Status	Not plugged in	
ChargingLevel	Plug in, but no charge	

Balance Mode	False	
Battery in Periodic wake up (Just battery) at time of Fault	False	
Battery in Periodic wake up (Wake up vehicle) at time of Fault	False	
HVIL Status -Vehicle	PASS	
HVIL Status - Battery pack	PASS	
Pump - Wire Open\Short to Gnd	PASS	
Pump - Overcurrent	PASS	
Pump - Dry Run Detection	PASS	
Pump - Switch Power Shorted	PASS	
Pump - Overtemperature	PASS	
Fault trigger level 1	False	
Fault trigger level 3	False	
Fault trigger level 2	False	
Fault Path	01	
Key - DriveRdy (CAN)	True	
Battery Cell Highest Cell number	85	
Battery Cell Lowest Cell number	42	
Battery Temperature Highest Sensor number	04	
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	
BPCM Sec Asic Reset Req	Not active	
BPCM Sec Asic Fault Input	Not active	
BPCM Sec CC Path Test Active	Not active	
BPCM L2 General Monitoring Flt Rsn	L2L1_CELL_MAX_V_CMP_FLT	
BPCM L2 Contactor Dslb Req	Undetermined	
BPCM L2 CC Path Test Req	Undetermined	
BPCM Sec HW Timer Status	Not active	
BPCM L2 ASIC Diagnostic Flt Rsn	ADCTest	
BPCM Sec Contactor State	Open	
BPCM Main HW Timer Status	Not active	
BPCM Sec Asic Fault State	NOTASSERTED	
Real Time Clock Validity	True	
DTC	1A 0C 00	
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	

Warning Indicator Requested	False	
DTC Extended Data Record Number - All	01	
Occurrence flag	Occurrence	
DTC Extended Data Record Number - 2	5A	
Frequency Counter	2	
Ignition Cycle Counter	1	
FoM - for this DTC (lifetime fails)	3	events
FoM - for this DTC (lifetime longest fail on pass)	9.500	seconds
FoM - for this DTC (lifetime fails counts on pass)	18.0000	seconds
Battery Total Time Awake	9623138	seconds
Vehicle mileage at time of fault (ODO signal in \$3D2)	2103.80	miles
Battery Lifetime Miles	BCB6D7	miles
Vehicle Speed	0.0	MPH
Battery Lifetime AmpHrs of DisCharge	998.5	AHr
System (12) Volts at time of fault	6.405	Volts
Battery Lifetime AmpHrs of Charge	1009.1	AHr
Power Up SOC at time of Fault	44.7	%
SOC at time of Fault	44.7	%
HVIL PWM Frequency - Vehicle	87.9	Hz
HVIL PWM peak voltage Sourced - Vehicle	5.227	Volts
HVIL PWM Duty Cycle - Vehicle	49.8	%
HVIL PWM peak voltage Sensed - Vehicle	5.165	Volts
HVIL Source Voltage- Battery	1.385	Volts
HVIL Returned current - Battery	30.40	mA
HV Battery Current Sensor 2 Hall Low	0.05	Amps
HV Battery Current HVBatCrnt	0.10	Amps
HV Battery Current Sensor 1 Hall High	-0.85	Amps
HV Cooling Speed Pump 1 Target	725	rpm
HV Cooling Speed pump 1 Speed	0	rpm
Charge indicator Temp	34	°F
BPCM temperature max	46	°F
Isolation Circuitry Va	2.500	Volts
Isolation Circuitry Vb	2.501	Volts
BPCM temperature min	43	°F
Isolation Circuitry Vd	0.000	Volts
WC and Circuitry Vcc Voltage	4.943	Volts
WC and Circuitry 2.5V Reference Voltage	2.501	Volts
WC and CircuitryISO 8V Reference Voltage	7.958	Volts
WC and Circuitry Weld Contactor Sensor G (Pack Negative) Voltage	-3.0	Volts
Cycles left to self heal	40	No Unit
HV Battery Charge Power 2sec	3000	watts
HV Battery Discharge Power 2sec	3000	watts
HV Battery Discharge Power 10sec	3000	watts
HV Battery Charge Power 10sec	3000	watts

Battery Full AmpHr Capacity	49	AmpHrs
Battery Lifetime Number Of Closes	417	
HV Battery Power	007530	watts
Cell Impedance Max Discharge	0	mOhms
Battery Cell Voltage Maximum	3642	mV
Cell Impedance Mim Discharge	0	mOhms
Battery Cell Voltage Minimum	3636	mV
Battery Cell Voltage Average	3638	mV
HV Battery Voltage (cell sum)	349.30	Volts
HV Sensor A Pack Voltage	1.20	Volts
HV Sensor B Bus\Link (Pre-Fuse) Voltage	0.60	Volts
HV Sensor C OBCM (HVOBC Fuse) Voltage	0.60	Volts
HV Battery Voltage (Module Sum)	348.80	Volts
HV Sensor D Heater (HVHTR Fuse) Voltage	0.60	Volts
HV Sensor G Weld Contactor(Pack Negative) Voltage	-3.0	Volts
Battery Temperature Minimum Module	43	°F
Battery Temperature Average Module	45	°F
Battery Temperature Maximum Module	46	°F
HV Cooling Battery coolant inlet temp	37	°F
HV Cooling Battery coolant outlet temp	39	°F
Isolation Vehicle Impedance	8.2670	Mega Ohms
Isolation Battery Impedance	0.8480	Mega Ohms
HV Cooling OBCM temp inlet Temp	45	°F
HV Bat SOH-R	97.3	%
HV Bat SOH-C	94.5	%
BPCM Sec QA Error Counter	0	cnts
BPCM Sec MM Hw Reset Error Counter	0	cnts
BPCM L2 SM Hw Reset Error Counter	0	No Unit
Engine Speed	0	rpm
Accelerator position	7.8	%
Real time clock-OS Task Delay Timer	0	
Real time clock	429496.7295	seconds
Original Odometer Value	2098	miles
Most Recent Odometer Value	2098	miles

BPCM | P2BE5-00 | Stored | Hybrid/EV Battery Pack Current Sensor "C" Circuit Performance-

NAME	VALUE	UNITS
Key in Ignition	Key_Def	
Key Position	Ign_ Run	
EPT -WakeUp	Sourced	
HCP Contactor Command	Impact Open	
Verified Contactor Command - VCC	Invalid	
Contactor Status	Open	
Qualified Contactor Command - QCC	Open	

Plug in Status	Not plugged in	
ChargingLevel	Plug in, but no charge	
Balance Mode	False	
Battery in Periodic wake up (Just battery) at time of Fault	False	
Battery in Periodic wake up (Wake up vehicle) at time of Fault	False	
HVIL Status -Vehicle	Not Sourced	
HVIL Status - Battery pack	PASS	
Pump - Wire Open\Short to Gnd	PASS	
Pump - Dry Run Detection	PASS	
Pump - Overcurrent	PASS	
Pump - Overtemperature	PASS	
Pump - Switch Power Shorted	PASS	
Fault trigger level 1	False	
Fault trigger level 2	False	
Fault trigger level 3	False	
Fault Path	01	
Key - DriveRdy (CAN)	True	
Battery Cell Highest Cell number	81	
Battery Cell Lowest Cell number	51	
Battery Temperature Lowest Sensor number	12	
Battery Temperature Highest Sensor number	04	
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	
Battery Temperature Number of Failing Sensors	00	
BPCM Sec Asic Reset Req	Not active	
BPCM Sec CC Path Test Active	Not active	
BPCM L2 General Monitoring Flt Rsn	L2L1_CELL_MAX_V_CMP_FLT	
BPCM Sec Asic Fault Input	Not active	
BPCM L2 CC Path Test Req	Undetermined	
BPCM L2 ASIC Diagnostic Flt Rsn	ADCTest	
BPCM L2 Contactor Dslb Req	Undetermined	
BPCM Sec HW Timer Status	Not active	
BPCM Main HW Timer Status	Not active	
BPCM Sec Contactor State	Open	
BPCM Sec Asic Fault State	NOTASSERTED	
Real Time Clock Validity	True	
DTC	2B E5 00	
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	

Test Failed Since Last Clear	True	
Warning Indicator Requested	False	
DTC Extended Data Record Number - All	01	
Test Not Completed This Operation Cycle	False	
Occurrence flag	ERROR	
DTC Extended Data Record Number - 2	92	
FoM - for this DTC (lifetime fails)	1	events
Ignition Cycle Counter	1	
Frequency Counter	1	
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	9623361	seconds
Vehicle mileage at time of fault (ODO signal in \$3D2)	0.00	miles
Vehicle Speed	0.0	MPH
Battery Lifetime Miles	BC81EF	miles
System (12) Volts at time of fault	10.084	Volts
Battery Lifetime AmpHrs of DisCharge	998.5	AHr
Battery Lifetime AmpHrs of Charge	1009.1	AHr
SOC at time of Fault	44.7	%
Power Up SOC at time of Fault	44.7	%
HVIL PWM Duty Cycle - Vehicle	50.2	%
HVIL PWM Frequency - Vehicle	87.9	Hz
HVIL PWM peak voltage Sourced - Vehicle	8.548	Volts
HVIL PWM peak voltage Sensed - Vehicle	8.496	Volts
HVIL Source Voltage- Battery	1.385	Volts
HVIL Returned current - Battery	30.60	mA
HV Battery Current Sensor 1 Hall High	-2.10	Amps
HV Battery Current HVBatCrnt	0.10	Amps
HV Cooling Speed Pump 1 Target	0	rpm
HV Cooling Speed pump 1 Speed	0	rpm
HV Battery Current Sensor 2 Hall Low	0.05	Amps
BPCM temperature max	46	°F
BPCM temperature min	43	°F
Charge indicator Temp	34	°F
Isolation Circuitry Va	2.500	Volts
Isolation Circuitry Vb	2.502	Volts
Isolation Circuitry Vd	0.000	Volts
WC and Circuitry Vcc Voltage	4.973	Volts
WC and Circuitry 2.5V Reference Voltage	2.501	Volts
WC and CircuitryISO 8V Reference Voltage	7.961	Volts
HV Battery Charge Power 2sec	3000	watts
Cycles left to self heal	40	No Unit
WC and Circuitry Weld Contactor Sensor G (Pack Negative) Voltage	-4.4	Volts
HV Battery Discharge Power 2sec	3000	watts

HV Battery Charge Power 10sec	3000	watts
HV Battery Discharge Power 10sec	3000	watts
Battery Lifetime Number Of Closes	417	
Battery Full AmpHr Capacity	49	AmpHrs
HV Battery Power	007530	watts
Cell Impedance Mim Discharge	0	mOhms
Cell Impedance Max Discharge	0	mOhms
Battery Cell Voltage Maximum	3642	mV
Battery Cell Voltage Minimum	3636	mV
Battery Cell Voltage Average	3638	mV
HV Battery Voltage (cell sum)	349.30	Volts
HV Sensor A Pack Voltage	1.30	Volts
HV Sensor B Bus\Link (Pre-Fuse) Voltage	0.60	Volts
HV Battery Voltage (Module Sum)	348.80	Volts
HV Sensor C OBCM (HVOBC Fuse) Voltage	0.60	Volts
HV Sensor G Weld Contactor(Pack Negative) Voltage	-4.4	Volts
Battery Temperature Maximum Module	46	°F
HV Sensor D Heater (HVHTR Fuse) Voltage	0.60	Volts
Battery Temperature Average Module	45	°F
Battery Temperature Minimum Module	43	°F
HV Cooling Battery coolant inlet temp	37	°F
HV Cooling Battery coolant outlet temp	39	°F
Isolation Vehicle Impedance	8.2670	Mega Ohms
Isolation Battery Impedance	0.8480	Mega Ohms
HV Bat SOH-R	97.3	%
HV Cooling OBCM temp inlet Temp	45	°F
HV Bat SOH-C	94.5	%
BPCM Sec MM Hw Reset Error Counter	0	cnts
BPCM Sec QA Error Counter	0	cnts
BPCM L2 SM Hw Reset Error Counter	0	No Unit
Engine Speed	0	rpm
Accelerator position	7.8	%
Real time clock-OS Task Delay Timer	0	
Real time clock	429496.7295	seconds
Original Odometer Value	0	miles
Most Recent Odometer Value	0	miles

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

NAME	VALUE	UNITS
Key in Ignition	Key_Def	
Key Position	Ign_Run	
EPT -WakeUp	Sourced	
HCP Contactor Command	Open	
Qualified Contactor Command - QCC	Open	

Verified Contactor Command - VCC	Open	
Contactor Status	Open	
Plug in Status	Not plugged in	
ChargingLevel	Plug in, but no charge	
Balance Mode	False	
Battery in Periodic wake up (Just battery) at time of Fault	False	
Battery in Periodic wake up (Wake up vehicle) at time of Fault	False	
HVIL Status -Vehicle	PASS	
HVIL Status - Battery pack	PASS	
Pump - Wire Open\Short to Gnd	PASS	
Pump - Dry Run Detection	PASS	
Pump - Overcurrent	PASS	
Pump - Overtemperature	PASS	
Pump - Switch Power Shorted	PASS	
Fault trigger level 2	False	
Fault trigger level 1	False	
Fault trigger level 3	False	
Fault Path	01	
Key - DriveRdy (CAN)	True	
Battery Cell Highest Cell number	24	
Battery Cell Lowest Cell number	46	
Battery Temperature Lowest Sensor number	12	
Battery Temperature Highest Sensor number	04	
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	
Battery Temperature Number of Failing Sensors	00	
BPCM Sec Asic Reset Req	Not active	
BPCM Sec Asic Fault Input	Not active	
BPCM Sec CC Path Test Active	Not active	
BPCM L2 CC Path Test Req	Undetermined	
BPCM L2 General Monitoring Flt Rsn	L2L1_CELL_MAX_V_CMP_FLT	
BPCM L2 Contactor Dslb Req	Undetermined	
BPCM Sec HW Timer Status	Not active	
BPCM L2 ASIC Diagnostic Flt Rsn	ADCTest	
BPCM Sec Contactor State	Open	
BPCM Sec Asic Fault State	NOTASSERTED	
BPCM Main HW Timer Status	Not active	
Real Time Clock Validity	True	
DTC	0A 95 00	
Test Failed	True	
Test Failed This Operation Cycle	True	
Pending DTC	True	

Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number - All	01	
Occurrence flag	ERROR	
DTC Extended Data Record Number - 2	08	
Frequency Counter	1	
FoM - for this DTC (lifetime fails counts on pass)	0.8000	seconds
Ignition Cycle Counter	0	
FoM - for this DTC (lifetime fails)	90	events
FoM - for this DTC (lifetime longest fail on pass)	0.800	seconds
Battery Total Time Awake	9612166	seconds
Vehicle mileage at time of fault (ODO signal in \$3D2)	2103.65	miles
Vehicle Speed	54.0	MPH
Battery Lifetime Miles	BDBF59	miles
System (12) Volts at time of fault	12.221	Volts
Battery Lifetime AmpHrs of Charge	1009.1	AHr
Battery Lifetime AmpHrs of DisCharge	998.5	AHr
SOC at time of Fault	45.1	%
Power Up SOC at time of Fault	47.5	%
HVIL PWM Duty Cycle - Vehicle	50.2	%
HVIL PWM peak voltage Sourced - Vehicle	11.046	Volts
HVIL PWM peak voltage Sensed - Vehicle	10.990	Volts
HVIL PWM Frequency - Vehicle	87.9	Hz
HVIL Source Voltage- Battery	1.385	Volts
HVIL Returned current - Battery	30.60	mA
HV Battery Current Sensor 1 Hall High	-1.05	Amps
HV Battery Current Sensor 2 Hall Low	0.05	Amps
HV Battery Current HVBatCmnt	0.00	Amps
HV Cooling Speed pump 1 Speed	0	rpm
HV Cooling Speed Pump 1 Target	0	rpm
BPCM temperature max	52	°F
BPCM temperature min	46	°F
Isolation Circuitry Va	2.500	Volts
Charge indicator Temp	61	°F
Isolation Circuitry Vb	2.502	Volts
WC and Circuitry Vcc Voltage	4.992	Volts
WC and Circuitry 2.5V Reference Voltage	2.501	Volts
Isolation Circuitry Vd	0.000	Volts
WC and CircuitryISO 8V Reference Voltage	7.961	Volts
Cycles left to self heal	40	No Unit
WC and Circuitry Weld Contactor Sensor G (Pack Negative) Voltage	-40.8	Volts

HV Battery Charge Power 2sec	89730	watts
HV Battery Discharge Power 10sec	88347	watts
HV Battery Charge Power 10sec	87615	watts
HV Battery Power	007530	watts
Battery Lifetime Number Of Closes	417	
Cell Impedance Max Discharge	0	mOhms
Battery Full AmpHr Capacity	49	AmpHrs
Battery Cell Voltage Maximum	3614	mV
Cell Impedance Mim Discharge	0	mOhms
Battery Cell Voltage Average	3609	mV
Battery Cell Voltage Minimum	3604	mV
HV Battery Voltage (Module Sum)	345.90	Volts
HV Battery Voltage (cell sum)	346.40	Volts
HV Sensor B Bus\Link (Pre-Fuse) Voltage	14.00	Volts
HV Sensor A Pack Voltage	14.40	Volts
HV Sensor C OBCM (HVOBC Fuse) Voltage	13.90	Volts
HV Sensor D Heater (HVHTR Fuse) Voltage	13.80	Volts
HV Sensor G Weld Contactor(Pack Negative) Voltage	-40.8	Volts
Battery Temperature Maximum Module	52	°F
Battery Temperature Minimum Module	46	°F
Battery Temperature Average Module	50	°F
HV Cooling Battery coolant inlet temp	37	°F
HV Cooling Battery coolant outlet temp	39	°F
HV Cooling OBCM temp inlet Temp	34	°F
HV Battery Discharge Power 2sec	90522	watts
Isolation Vehicle Impedance	8.2670	Mega Ohms
HV Bat SOH-R	97.3	%
Isolation Battery Impedance	0.8480	Mega Ohms
BPCM Sec MM Hw Reset Error Counter	0	cnts
BPCM L2 SM Hw Reset Error Counter	0	No Unit
HV Bat SOH-C	94.5	%
BPCM Sec QA Error Counter	0	cnts
Engine Speed	3780	rpm
Accelerator position	45.1	%
Real time clock-OS Task Delay Timer	0	
Real time clock	429496.7295	seconds
Original Odometer Value	2098	miles
Most Recent Odometer Value	2098	miles

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

NAME	VALUE	UNITS
DTC	05 13 00	
Test Failed	False	
Test Failed This Operation Cycle	True	

Confirmed DTC	True	
Pending DTC	True	
Test Not Completed This Operation Cycle	False	
Test Not Completed Since Last Clear	False	
Occurrence flag		
Warning Indicator Requested	False	
Test Failed Since Last Clear	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		
HV Contactor Status		
APM Status		
Impact Event		
J1772 Prox Detected State		
OBCM Operating Mode		
Hybrid System State		
PHEV Charging Status		
Original Odometer Value		miles
Ignition Cycle Counter		
Frequency Counter		
RAM Stamps		Min
Real time clock		sec
RAM stamps keyOn		sec
Accelerator Pedal Position		%
HV Battery SOC		%
Engine Speed		rpm
Most Recent Odometer Value		miles
Motor B Temp Sensor		°F
Barometric Pressure		PSI
Engine Coolant Temperature		°F
Motor A Temp Sensor		°F
Vehicle Speed		MPH
Motor A Torque		Ft-Lbs
Internal EPS Voltage Sense A		Volts
Internal EPS Voltage Sense B		Volts
Actual Torque - Motor B		Ft-Lbs
Motor B Torque		Ft-Lbs

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

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

NAME	VALUE	UNITS
DTC	06 2F 00	
Pending DTC	True	

Confirmed DTC	True	
Test Failed This Operation Cycle	True	
Test Failed	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	
DTC Extended Data Record Number	05	
Occurrence flag	Occurrence	
Brake Switch Status	Not Applied	
PHEV Charging Status	No Charging	
Propulsion System Active	False	
Ignition State	Ignition Lock	
PRND Position Display	P	
Main Processor Reset Source - Core 0	Power Up	
Static NVM CRC Status	Passed	
Main Processor Reset Source - Core 1	Power Up	
Cumulative NVM CRC Status	Passed	
MCPUninit EEPROM CRC Status	Passed	
Preserved NVM CRC Status	Passed	
Adaptable NVM CRC Status	Failed	
Expendable NVM CRC Status	Passed	
Non Volatile RAM CRC Status	Passed	
MCPInit EEPROM CRC Status	Passed	
BSW EEPROM CRC Status	Passed	
MCPB - MCPA SPI CRC Error Count	00	
HCP - MCPA SPI ARC Error Count	00	
MCPB - MCPA SPI ARC Error Count	00	
MemShare ARC Error Count- Core 0	00	
HCP - MCPA SPI CRC Error Count	00	
MemShare CRC Error Count- Core 0	46	
MemShare CRC Error Count- Core 1	FF	
MemShare ARC Error Count- Core 1	03	
External Watchdog Fault	False	
Main Stack Fault	False	
Main Analog-to-Digital Converter Fault	False	
MAIN ALU Fault	False	
MainTPU_Flt	False	
Main Clock Fault	False	
MAIN Detected SPI Fault	False	
Main Detected Seed Received In Wrong Order	False	
Hybrid System State	Power Up	
CBC Wake-Up Input	Off	
EPT LOC Diag Enable	Disable LOC Daignostic	

HCP ePT Wake-Up Output	On	
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	
Most Recent Odometer Value	2103.8	miles
Ignition Cycle Counter	0	
Original Odometer Value	2103.8	miles
RAM stamps keyOn	0	sec
RAM Stamps	0	Min
Real time clock	9761044	sec
HV Battery SOC	45	%
Accelerator Pedal Position	0	%
Vehicle Speed	0.0000	MPH
Frequency Counter	1	
Engine Speed	0	rpm
Barometric Pressure	14	PSI
Battery Feed Voltage 2 Sense	14.832	Volts
Internal EPS Voltage Sense A	0.000	Volts
Engine Coolant Temperature	43	°F
Internal EPS Voltage Sense B	0.000	Volts
Battery Feed Voltage 3 Sense	14.472	Volts
Actual Torque - Motor A	0.000	Ft-Lbs
Available Regen Torque - Motor B	-221.884	Ft-Lbs
Actual Torque - Motor B	0.000	Ft-Lbs
Available Motor Torque - Motor A	93.658	Ft-Lbs
Available Motor Torque - Motor B	221.884	Ft-Lbs
Commanded Torque - Motor B	0.000	Ft-Lbs
Battery Feed Voltage 1 Sense	14.832	Volts
Motor A - Inverter Current - phase A	-4	AMP
Available Regen Torque - Motor A	-93.658	Ft-Lbs
Motor B - Inverter Current - phase A	0	AMP
Motor A - Inverter Current - phase C	-4	AMP
Motor A Resolver Angle	132	Degree
Motor B - Inverter Current - phase C	0	AMP
Motor A - Inverter Current - phase B	508	AMP
Commanded Torque - Motor A	0.000	Ft-Lbs
Outside Air Temperature	65.3	°F
Electric Motor A Speed	0.0	rpm
PIM DC Link Voltage - A	2	Volts
Motor B - Inverter Current - phase B	0	AMP
Motor B Resolver Angle	40	Degree

PIM DC Link Voltage - B	2	Volts
Electric Motor B Speed	0.0	rpm
HV Battery Voltage from BPCM	180.00	Volts
Motor B Temp Sensor	77	°F
Inverter A IGBT Temperature for phase B	32	°F
Motor A Temp Sensor	77	°F
Inverter B IGBT Temperature for phase A	32	°F
Inverter B IGBT Temperature for phase B	32	°F
Inverter A IGBT Temperature for phase C	32	°F
Inverter A IGBT Temperature for phase A	32	°F
Distance Travelled with Light ON	0	miles
Motor A Torque	0.000	Ft-Lbs
Motor B Torque	0.000	Ft-Lbs
Inverter B IGBT Temperature for phase C	32	°F
UTC Time - Hours	0	Hours
GPS Date - Month	1	
UTC Time - Seconds	0	seconds
GPS Date - Year	0	Year
GPS Date - Day	1	Days
UTC Time - Minutes	0	
HV Battery Sleep Time	0	Days
ECU Time - Milliseconds	0	ms

HCP | P0A3C-00 | Active | Drive Motor A Inverter Over Temperature-

NAME	VALUE	UNITS
DTC	0A 3C 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	False	
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	
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 Shutdown 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	True	
Motor A Phase U Comm Error Low Voltage Regulator Fault - High-Side	True	
Motor A Phase U SPI Error Fault - High-Side	False	
Motor A Phase U Hardware Error Fault - High-Side	True	
Motor A Phase U Short Fault - Low-Side	False	
Motor A Phase U Cross Conduction Fault - Low-Side	False	
Motor A Phase U Over Current Fault - Low-Side	False	
Motor A Phase U Thermal Warning Fault - Low-Side	False	
Motor A Phase U Thermal Shutdown Fault - Low-Side	False	
Motor A Phase U SPI Error Fault - Low-Side	False	
Motor A Phase U Hardware Error Fault - Low-Side	True	
Motor A Phase V Short Fault - High-Side	False	
Motor A Phase V Cross Conduction Fault - High-Side	False	
Motor A Phase V Over Current Fault - High-Side	True	
Motor A Phase V Thermal Warning Fault - High-Side	False	
Motor A Phase V Thermal Shutdown Fault - High-Side	False	
Motor A Phase V Comm Error High Voltage Regulator Fault - High-Side	True	
Motor A Phase V Comm Error Low Voltage Regulator Fault - High-Side	True	
Motor A Phase V SPI Error Fault - High-Side	False	
Motor A Phase V Hardware Error Fault - High-Side	True	
Motor A Phase V Short Fault - Low-Side	False	
Motor A Phase V Cross Conduction Fault - Low-Side	False	
Motor A Phase V Over Current Fault - Low-Side	True	
Motor A Phase V Thermal Warning Fault - Low-Side	False	
Motor A Phase V Thermal Shutdown Fault - Low-Side	False	
Motor A Phase V SPI Error Fault - Low-Side	False	
Motor A Phase V Hardware Error Fault - Low-Side	True	
Motor A Phase W Short Fault - High-Side	False	
Motor A Phase W Over Current Fault - High-Side	False	
Motor A Phase W Thermal Warning Fault - High-Side	False	
Motor A Phase W Thermal Shutdown Fault - High-Side	False	
Motor A Phase W Comm Error Low Voltage Regulator Fault - High-Side	True	
Motor A Phase W SPI Error Fault - High-Side	False	
Motor A Phase W Hardware Error Fault - High-Side	True	
Motor A Phase W Short Fault - Low-Side	False	
Motor A Phase W Cross Conduction Fault - Low-Side	False	
Motor A Phase W Over Current Fault - Low-Side	False	
Motor A Phase W Thermal Warning Fault - Low-Side	False	
Motor A Phase W Thermal Shutdown Fault - Low-Side	False	
Motor A Phase W Comm Error Low Voltage Regulator Fault - Low-Side	True	
Motor A Phase W SPI Error Fault - Low-Side	False	
Motor A Phase W Hardware Error Fault - Low-Side	True	
Hybrid System State	Power Up	

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	Disable LOC Daignostic	
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 Under Voltage Fault VH - High-Side	True	
Motor A Phase U Over 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	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 Comm Error High Voltage Regulator Fault - Low-Side	True	
Motor A Phase U Under Voltage Fault VDD - 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	True	
Motor A Phase V Under Voltage Fault VH - High-Side	True	
Motor A Phase V Over Voltage Fault VL - High-Side	False	
Motor A Phase V Under Voltage Fault VL - High-Side	False	
Motor A Phase V Over Voltage Fault VDD - High-SideSide	False	
Motor A Phase V Under Voltage Fault VDD - High-Side	False	
Motor A Phase V Over Voltage Fault VH - Low-Side	False	
Motor A Phase V Under Voltage Fault VH - Low-Side	True	
Motor A Phase V Under Voltage Fault VL - 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 VDD - Low-Side	False	
Motor A Phase V Comm Error High Voltage Regulator Fault - Low-Side	True	
Motor A Phase V Comm Error Low Voltage Regulator Fault - Low-Side	True	
Motor A Phase W Cross Conduction Fault - High-Side	False	
Motor A Phase W Over Voltage Fault VH - High-Side	False	
Motor A Phase W Under Voltage Fault VH - High-Side	True	
Motor A Phase W Over Voltage Fault VL - High-Side	False	

Motor A Phase W Under Voltage Fault VL - High-Side	False	
Motor A Phase W Over Voltage Fault VDD - High-Side	False	
Motor A Phase W Under Voltage Fault VDD - High-Side	False	
Motor A Phase W Comm Error High Voltage Regulator Fault - High-Side	True	
Motor A Phase W Over Voltage Fault VH - Low-Side	False	
Motor A Phase W Under Voltage Fault VH - Low-Side	True	
Motor A Phase W Over Voltage Fault VL - Low-Side	False	
Motor A Phase W Under Voltage Fault VL - Low-Side	False	
Motor A Phase W Over Voltage Fault VDD - Low-Side	False	
Motor A Phase W Under Voltage Fault VDD - Low-Side	False	
Motor A Phase W Comm Error High Voltage Regulator Fault - Low-Side	True	
Inverter A Status Feedback	Inverter Faulted	
Original Odometer Value	2103.8	miles
Most Recent Odometer Value	2103.8	miles
Frequency Counter	1	
Real time clock	9761044	sec
Ignition Cycle Counter	14	
RAM stamps keyOn	0	sec
RAM Stamps	0	Min
Accelerator Pedal Position	0	%
HV Battery SOC	45	%
Engine Speed	0	rpm
Vehicle Speed	0.0000	MPH
Barometric Pressure	14	PSI
Engine Coolant Temperature	43	°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 B	508	AMP
Motor A Resolver Supply Voltage Value	15.75	Volts
Motor A - Inverter Current - phase C	-4	AMP
Battery Feed Voltage 3 Sense	14.616	Volts
Battery Feed Voltage 2 Sense	14.832	Volts
Internal EPS Voltage Sense A	0.000	Volts
PIM DC Link Voltage - A	2	Volts
Internal EPS Voltage Sense B	0.000	Volts
PIM DC Link Voltage - B	2	Volts
Passive Pump Coolant Temp In Sensor	50	°F
Low Temp Active Pump Speed	0	rpm
High Temp Aux Pump - Actual Speed	0	rpm
Outside Air Temperature	55.4	°F
Battery Feed Voltage 1 Sense	14.832	Volts

Actual Torque - Motor B	0.000	Ft-Lbs
Available Motor Torque - Motor B	232.301	Ft-Lbs
Commanded Torque - Motor A	0.000	Ft-Lbs
Available Regen Torque - Motor A	0.000	Ft-Lbs
Available Regen Torque - Motor B	-232.301	Ft-Lbs
Commanded Torque - Motor B	0.000	Ft-Lbs
Motor B - Inverter Current - phase B	0	AMP
Motor B - Inverter Current - phase A	-4	AMP
Motor B - Inverter Current - phase C	0	AMP
Motor B Resolver Angle	40	Degree
Motor B Temp Sensor	77	°F
HV Battery Voltage from BPCM	180.00	Volts
Inverter A IGBT Temperature for phase A	32	°F
Electric Motor B Speed	0.5	rpm
Inverter A IGBT Temperature for phase B	32	°F
Inverter A IGBT Temperature for phase C	32	°F
Inverter B IGBT Temperature for phase B	32	°F
Inverter B IGBT Temperature for phase A	32	°F
Inverter B IGBT Temperature for phase C	32	°F
Distance Travelled with Light ON	0	miles
Motor A Torque	0.000	Ft-Lbs
Motor B Torque	0.000	Ft-Lbs
HV Battery Sleep Time	0	Days
GPS Date - 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 | 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	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Pending DTC	True	
Test Failed Since Last Clear	True	
Warning Indicator Requested	False	
Test Not Completed This Operation Cycle	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 Short Fault - Low-Side		
Motor B Phase U Hardware Error Fault - High-Side		
Motor B Phase U Over Current Fault - Low-Side		
Motor B Phase U Cross Conduction Fault - Low-Side		
Motor B Phase U Thermal Warning Fault - Low-Side		
Motor B Phase U Comm Error High Voltage Regulator Fault - Low-Side		
Motor B Phase U Thermal Shutdown 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 Shutdown Fault - High-Side		
Motor B Phase V Thermal Warning Fault - High-Side		
Motor B Phase V Comm Error Low Voltage Regulator Fault - High-Side		
Motor B Phase V Comm Error High 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 Shutdown Fault - Low-Side		
Motor B Phase V Thermal Warning 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 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 V Hardware Error Fault - Low-Side		

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

Motor B Phase V Under Voltage Fault VH - Low-Side		
Motor B Phase V Over Voltage Fault VL - Low-Side		
Motor B Phase V Under Voltage Fault VL - Low-Side		
Motor B Phase V Under Voltage Fault VDD - Low-Side		
Motor B Phase W Under Voltage Fault VH - High-Side		
Motor B Phase W Over 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 V Over Voltage Fault VDD - Low-Side		
Motor B Phase W Under Voltage Fault VDD - High-Side		
Motor B Phase W Under Voltage Fault VH - Low-Side		
Motor B Phase W Over Voltage Fault VH - Low-Side		
Motor B Phase W Thermal Shutdown Fault - High-Side		
Motor B Phase W Under Voltage Fault VL - Low-Side		
Motor B Phase W Over 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
Real time clock		sec
Ignition Cycle Counter		
Accelerator Pedal Position		%
RAM Stamps		Min
HV Battery SOC		%
Frequency Counter		
Engine Speed		rpm
RAM stamps keyOn		sec
Barometric Pressure		PSI
Vehicle Speed		MPH
Actual Torque - Motor B		Ft-Lbs
Available Motor Torque - Motor B		Ft-Lbs
Motor B - Inverter Current - phase A		AMP
Electric Motor B Speed		rpm
Motor B - Inverter Current - phase B		AMP
Motor B Resolver Supply Voltage Value		Volts
Inverter B Input DC Current		AMP
Engine Coolant Temperature		°F
Internal EPS Voltage Sense A		Volts
Internal EPS Voltage Sense B		Volts
Battery Feed Voltage 2 Sense		Volts
Motor B - Inverter Current - phase C		AMP
Battery Feed Voltage 1 Sense		Volts
Battery Feed Voltage 3 Sense		Volts

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

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

Motor A Phase W SPI Error Fault - High-Side	False	
Motor A Phase W Hardware Error Fault - High-Side	True	
Motor A Phase W Short Fault - Low-Side	False	
Motor A Phase W Cross Conduction Fault - Low-Side	False	
Motor A Phase W Over Current Fault - Low-Side	False	
Motor A Phase W Thermal Warning Fault - Low-Side	False	
Motor A Phase W Thermal Shutdown Fault - Low-Side	False	
Motor A Phase W Comm Error Low Voltage Regulator Fault - Low-Side	True	
Motor A Phase W SPI Error Fault - Low-Side	False	
Motor A Phase W Hardware Error Fault - Low-Side	True	
Hybrid System State	Power Up	
HV Contactor Status	Open	
Inverter B Status Feedback	Normal OFF	
HCP ePT Wake-Up Output	On	
EPT LOC Diag Enable	Disable LOC Daignostic	
CBC Wake-Up Input	Off	
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	False	
Motor A Phase U Under Voltage Fault VH - Low-Side	True	
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 Under Voltage Fault VDD - Low-Side	False	
Motor A Phase U Over Voltage Fault VDD - Low-Side	False	
Motor A Phase U Comm Error High Voltage Regulator Fault - Low-Side	True	
Motor A Phase U Comm Error Low Voltage Regulator Fault - Low-Side	True	
Motor A Phase V Over Voltage Fault VH - High-Side	False	
Motor A Phase V Under Voltage Fault VH - High-Side	True	
Motor A Phase V Over Voltage Fault VL - High-Side	False	
Motor A Phase V Under Voltage Fault VL - High-Side	False	
Motor A Phase V Over Voltage Fault VDD - High-SideSide	False	
Motor A Phase V Under Voltage Fault VDD - High-Side	False	
Motor A Phase V Over Voltage Fault VH - Low-Side	False	

Motor A Phase V Under Voltage Fault VH - Low-Side	True	
Motor A Phase V Over Voltage Fault VL - Low-Side	False	
Motor A Phase V Under Voltage Fault VL - Low-Side	False	
Motor A Phase V Over Voltage Fault VDD - Low-Side	False	
Motor A Phase V Under Voltage Fault VDD - Low-Side	False	
Motor A Phase V Comm Error High Voltage Regulator Fault - Low-Side	True	
Motor A Phase V Comm Error Low Voltage Regulator Fault - Low-Side	True	
Motor A Phase W Cross Conduction Fault - High-Side	False	
Motor A Phase W Over Voltage Fault VH - High-Side	False	
Motor A Phase W Under Voltage Fault VH - High-Side	True	
Motor A Phase W Under Voltage Fault VL - 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 VDD - High-Side	False	
Motor A Phase W Comm Error High Voltage Regulator Fault - High-Side	True	
Motor A Phase W Over Voltage Fault VH - Low-Side	False	
Motor A Phase W Under Voltage Fault VH - Low-Side	True	
Motor A Phase W Over Voltage Fault VL - Low-Side	False	
Motor A Phase W Under Voltage Fault VDD - Low-Side	False	
Motor A Phase W Over Voltage Fault VDD - Low-Side	False	
Motor A Phase W Under Voltage Fault VL - Low-Side	False	
Motor A Phase W Comm Error High Voltage Regulator Fault - Low-Side	True	
Inverter A Status Feedback	Inverter Faulted	
Most Recent Odometer Value	2103.8	miles
Original Odometer Value	2103.8	miles
Frequency Counter	1	
Ignition Cycle Counter	0	
RAM stamps keyOn	0	sec
Real time clock	9761044	sec
RAM Stamps	0	Min
Engine Speed	0	rpm
Accelerator Pedal Position	0	%
HV Battery SOC	45	%
Vehicle Speed	0.0000	MPH
Barometric Pressure	14	PSI
Actual Torque - Motor A	0.000	Ft-Lbs
Engine Coolant Temperature	43	°F
Available Motor Torque - Motor A	6.545	Ft-Lbs
Inverter A Input DC Current	0.0	AMP
Motor A - Inverter Current - phase A	-4	AMP
Electric Motor A Speed	0.0	rpm
Motor A - Inverter Current - phase B	508	AMP
Motor A Resolver Supply Voltage Value	15.75	Volts
Battery Feed Voltage 2 Sense	14.832	Volts

Motor A - Inverter Current - phase C	-4	AMP
Battery Feed Voltage 3 Sense	14.544	Volts
Internal EPS Voltage Sense B	0.000	Volts
Internal EPS Voltage Sense A	0.000	Volts
PIM DC Link Voltage - A	2	Volts
PIM DC Link Voltage - B	2	Volts
Passive Pump Coolant Temp In Sensor	50	°F
Low Temp Active Pump Speed	0	rpm
High Temp Aux Pump - Actual Speed	0	rpm
Outside Air Temperature	56.3	°F
Battery Feed Voltage 1 Sense	14.832	Volts
Actual Torque - Motor B	0.000	Ft-Lbs
Available Motor Torque - Motor B	232.301	Ft-Lbs
Available Regen Torque - Motor A	-6.545	Ft-Lbs
Available Regen Torque - Motor B	-232.301	Ft-Lbs
Commanded Torque - Motor A	0.000	Ft-Lbs
Commanded Torque - Motor B	0.000	Ft-Lbs
Motor B - Inverter Current - phase A	0	AMP
Motor B - Inverter Current - phase B	0	AMP
Motor B - Inverter Current - phase C	0	AMP
Motor B Resolver Angle	40	Degree
Motor B Temp Sensor	77	°F
HV Battery Voltage from BPCM	180.00	Volts
Electric Motor B Speed	0.5	rpm
Inverter A IGBT Temperature for phase A	32	°F
Inverter A IGBT Temperature for phase B	32	°F
Inverter B IGBT Temperature for phase A	32	°F
Inverter A IGBT Temperature for phase C	32	°F
Inverter B IGBT Temperature for phase B	32	°F
Distance Travelled with Light ON	0	miles
Inverter B IGBT Temperature for phase C	32	°F
Motor A Torque	0.000	Ft-Lbs
Motor B Torque	0.000	Ft-Lbs
HV Battery Sleep Time	0	Days
GPS Date - Year	0	Year
GPS Date - Month	1	
GPS Date - Day	1	Days
UTC Time - Minutes	0	
UTC Time - Hours	0	Hours
UTC Time - Seconds	0	seconds
ECU Time - Milliseconds	0	ms

HCP | P0AFA-00 | Active | Hybrid/EV Battery System Voltage Low-

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

Test Failed	True	
Test Failed This Operation Cycle	True	
DTC	0A FA 00	
Pending DTC	True	
Confirmed DTC	False	
Test Failed Since Last Clear	True	
Test Not Completed Since Last Clear	False	
Warning Indicator Requested	False	
Test Not Completed This Operation Cycle	False	
Occurrence flag		
Brake Switch Status		
PRND Position Display		
Ignition State		
Propulsion System Active		
HCP ePT Wake-Up Output		
CBC Wake-Up Input		
SW Build Release Version		
HCP System Shutdown Command		
HV Contactor Status		
HCP SW Version		
EPT LOC Diag Enable		
APM Status		
Impact Event		
OBCM Operating Mode		
J1772 Prox Detected State		
Hybrid System State		
PHEV Charging Status		
Original Odometer Value		miles
RAM stamps keyOn		sec
RAM Stamps		Min
Ignition Cycle Counter		
Real time clock		sec
Frequency Counter		
Accelerator Pedal Position		%
Most Recent Odometer Value		miles
Motor A Temp Sensor		°F
Engine Speed		rpm
Vehicle Speed		MPH
Motor B Temp Sensor		°F
Engine Coolant Temperature		°F
HV Battery SOC		%
Internal EPS Voltage Sense B		Volts
Internal EPS Voltage Sense A		Volts
Actual Torque - Motor B		Ft-Lbs

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

NAME	VALUE	UNITS
DTC	0B EC 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	
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 Low Voltage Regulator Fault - High-Side	True	
Motor A Phase U Comm Error High Voltage Regulator Fault - High-Side	True	
Motor A Phase U SPI Error Fault - High-Side	False	
Motor A Phase U Hardware Error Fault - High-Side	True	
Motor A Phase U Cross Conduction Fault - Low-Side	False	
Motor A Phase U Short Fault - Low-Side	False	
Motor A Phase U Over Current Fault - Low-Side	False	
Motor A Phase U Thermal Warning Fault - Low-Side	False	
Motor A Phase U Thermal Shutdown Fault - Low-Side	False	
Motor A Phase U SPI Error Fault - Low-Side	False	
Motor A Phase U Hardware Error Fault - Low-Side	True	
Motor A Phase V Short Fault - High-Side	False	
Motor A Phase V Cross Conduction Fault - High-Side	False	
Motor A Phase V Over Current Fault - High-Side	True	
Motor A Phase V Thermal Warning Fault - High-Side	False	
Motor A Phase V Thermal Shutdown Fault - High-Side	False	
Motor A Phase V Comm Error High Voltage Regulator Fault - High-Side	True	
Motor A Phase V Comm Error Low Voltage Regulator Fault - High-Side	True	
Motor A Phase V SPI Error Fault - High-Side	False	
Motor A Phase V Hardware Error Fault - High-Side	True	
Motor A Phase V Short Fault - Low-Side	False	
Motor A Phase V Over Current Fault - Low-Side	True	
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	False	
Motor A Phase V Hardware Error Fault - Low-Side	True	
Motor A Phase W Short Fault - High-Side	False	
Motor A Phase W Over Current Fault - High-Side	False	
Motor A Phase W Thermal Warning Fault - High-Side	False	
Motor A Phase W Comm Error Low Voltage Regulator Fault - High-Side	True	
Motor A Phase W Thermal Shutdown Fault - High-Side	False	
Motor A Phase W SPI Error Fault - High-Side	False	
Motor A Phase W Hardware Error Fault - High-Side	True	
Motor A Phase W Short Fault - Low-Side	False	
Motor A Phase W Over Current 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 Thermal Shutdown Fault - Low-Side	False	
Motor A Phase W Comm Error Low Voltage Regulator Fault - Low-Side	True	
Motor A Phase W SPI Error Fault - Low-Side	False	
Motor A Phase W Hardware Error Fault - Low-Side	True	
Hybrid System State	Power Up	
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	Disable LOC Daignostic	
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 Under Voltage Fault VH - High-Side	True	
Motor A Phase U Over 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 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 Under Voltage Fault VH - Low-Side	True	

Motor A Phase U Comm Error High Voltage Regulator Fault - Low-Side	True	
Motor A Phase U Comm Error Low Voltage Regulator Fault - Low-Side	True	
Motor A Phase V Over Voltage Fault VH - High-Side	False	
Motor A Phase V Under Voltage Fault VH - High-Side	True	
Motor A Phase V Over Voltage Fault VL - High-Side	False	
Motor A Phase V Under Voltage Fault VL - High-Side	False	
Motor A Phase V Over Voltage Fault VDD - High-SideSide	False	
Motor A Phase V Under Voltage Fault VDD - High-Side	False	
Motor A Phase V Over Voltage Fault VH - Low-Side	False	
Motor A Phase V Under Voltage Fault VH - Low-Side	True	
Motor A Phase V Under Voltage Fault VL - 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 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 Under Voltage Fault VH - High-Side	True	
Motor A Phase W Over Voltage Fault VH - High-Side	False	
Motor A Phase W Under Voltage Fault VL - 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 Comm Error High Voltage Regulator Fault - High-Side	True	
Motor A Phase W Under Voltage Fault VDD - 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	True	
Inverter A Status Feedback	Inverter Faulted	
Most Recent Odometer Value	2103.8	miles
Original Odometer Value	2103.8	miles
Ignition Cycle Counter	0	
RAM stamps keyOn	0	sec
Frequency Counter	1	
RAM Stamps	0	Min
Accelerator Pedal Position	0	%
Real time clock	9761044	sec
Engine Speed	0	rpm
HV Battery SOC	45	%
Vehicle Speed	0.0000	MPH
Barometric Pressure	14	PSI

Actual Torque - Motor A	0.000	Ft-Lbs
Engine Coolant Temperature	43	°F
Available Motor Torque - Motor A	0.000	Ft-Lbs
Electric Motor A Speed	0.0	rpm
Motor A - Inverter Current - phase B	508	AMP
Inverter A Input DC Current	0.0	AMP
Motor A - Inverter Current - phase C	-4	AMP
Motor A - Inverter Current - phase A	-4	AMP
Motor A Resolver Supply Voltage Value	15.75	Volts
Battery Feed Voltage 2 Sense	14.832	Volts
Internal EPS Voltage Sense A	0.000	Volts
Battery Feed Voltage 3 Sense	14.544	Volts
PIM DC Link Voltage - A	2	Volts
Internal EPS Voltage Sense B	0.000	Volts
PIM DC Link Voltage - B	2	Volts
Passive Pump Coolant Temp In Sensor	50	°F
Low Temp Active Pump Speed	0	rpm
Outside Air Temperature	55.4	°F
High Temp Aux Pump - Actual Speed	0	rpm
Battery Feed Voltage 1 Sense	14.832	Volts
Actual Torque - Motor B	0.000	Ft-Lbs
Available Motor Torque - Motor B	232.301	Ft-Lbs
Available Regen Torque - Motor A	0.000	Ft-Lbs
Available Regen Torque - Motor B	-232.301	Ft-Lbs
Commanded Torque - Motor A	0.000	Ft-Lbs
Commanded Torque - Motor B	0.000	Ft-Lbs
Motor B - Inverter Current - phase A	0	AMP
Motor B - Inverter Current - phase B	0	AMP
Motor B Resolver Angle	40	Degree
Motor B - Inverter Current - phase C	0	AMP
HV Battery Voltage from BPCM	180.00	Volts
Motor B Temp Sensor	77	°F
Inverter A IGBT Temperature for phase A	32	°F
Electric Motor B Speed	0.5	rpm
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	0	miles
Motor A Torque	0.000	Ft-Lbs
Motor B Torque	0.000	Ft-Lbs
HV Battery Sleep Time	0	Days
GPS Date - Year	0	Year

GPS Date - Month	1	
UTC Time - Hours	0	Hours
GPS Date - Day	1	Days
UTC Time - Minutes	0	
UTC Time - Seconds	0	seconds
ECU Time - Milliseconds	0	ms

HCP | P0C01-00 | Active | Drive Motor A Current High-

NAME	VALUE	UNITS
DTC	0C 01 00	
Test Failed	True	
Pending DTC	True	
Test Failed This Operation Cycle	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	True	
Test Failed Since Last Clear	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	
Motor A Phase U Short 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 Over Current Fault - High-Side	False	
Motor A Phase U Thermal Shutdown Fault - High-Side	False	
Motor A Phase U Comm Error High Voltage Regulator Fault - High-Side	True	
Motor A Phase U Comm Error Low Voltage Regulator Fault - High-Side	True	
Motor A Phase U SPI Error Fault High Side	False	
Motor A Phase U Hardware Error Fault - High-Side	True	
Motor A Phase U Short Fault - Low-Side	False	
Motor A Phase U Cross Conduction Fault - Low-Side	False	
Motor A Phase U Over Current Fault - Low-Side	False	
Motor A Phase U Thermal Warning Fault - Low-Side	False	
Motor A Phase U Thermal Shutdown Fault - Low-Side	False	
Motor A Phase U SPI Error Fault - Low-Side	False	
Motor A Phase U Hardware Error Fault - Low-Side	True	
Motor A Phase V Short Fault - High-Side	False	
Motor A Phase V Cross Conduction Fault - High-Side	False	
Motor A Phase V Over Current Fault - High-Side	True	
Motor A Phase V Thermal Warning Fault - High-Side	False	

Motor A Phase V Thermal Shutdown Fault - High-Side	False	
Motor A Phase V Comm Error High Voltage Regulator Fault - High-Side	True	
Motor A Phase V Comm Error Low Voltage Regulator Fault - High-Side	True	
Motor A Phase V SPI Error Fault - High-Side	False	
Motor A Phase V Hardware Error Fault - High-Side	True	
Motor A Phase V Short Fault - Low-Side	False	
Motor A Phase V Over Current Fault - Low-Side	True	
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	False	
Motor A Phase V Hardware Error Fault - Low-Side	True	
Motor A Phase W Short Fault - High-Side	False	
Motor A Phase W Over Current Fault - High-Side	False	
Motor A Phase W Thermal Warning Fault - High-Side	False	
Motor A Phase W Thermal Shutdown Fault - High-Side	False	
Motor A Phase W Comm Error Low Voltage Regulator Fault - High-Side	True	
Motor A Phase W SPI Error Fault - High-Side	False	
Motor A Phase W Hardware Error Fault - High-Side	True	
Motor A Phase W Short Fault - Low-Side	False	
Motor A Phase W Over Current 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 Thermal Shutdown Fault - Low-Side	False	
Motor A Phase W Comm Error Low Voltage Regulator Fault - Low-Side	True	
Motor A Phase W SPI Error Fault - Low-Side	False	
Motor A Phase W Hardware Error Fault - Low-Side	True	
Hybrid System State	Power Up	
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	Disable LOC Daignostic	
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	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 Low Voltage Regulator Fault - Low-Side	True	
Motor A Phase V Over Voltage Fault VH - High-Side	False	
Motor A Phase U Comm Error High Voltage Regulator Fault - Low-Side	True	
Motor A Phase V Under Voltage Fault VH - High-Side	True	
Motor A Phase V Over Voltage Fault VL - High-Side	False	
Motor A Phase V Under Voltage Fault VL - High-Side	False	
Motor A Phase V Over Voltage Fault VDD - High-SideSide	False	
Motor A Phase V Under Voltage Fault VDD - High-Side	False	
Motor A Phase V Over Voltage Fault VH - Low-Side	False	
Motor A Phase V Under Voltage Fault VH - Low-Side	True	
Motor A Phase V Over Voltage Fault VL - Low-Side	False	
Motor A Phase V Under Voltage Fault VL - Low-Side	False	
Motor A Phase V 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 V Over Voltage Fault VDD - 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	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 Under Voltage Fault VDD - High-Side	False	
Motor A Phase W Over Voltage Fault VDD - 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 Comm Error High Voltage Regulator Fault - High-Side	True	
Motor A Phase W Over Voltage Fault VL - Low-Side	False	
Motor A Phase W Over Voltage Fault VDD - Low-Side	False	
Motor A Phase W Under Voltage Fault VL - Low-Side	False	
Motor A Phase W Under Voltage Fault VDD - Low-Side	False	
Motor A Phase W Comm Error High Voltage Regulator Fault - Low-Side	True	
Inverter A Status Feedback	Inverter Faulted	
Original Odometer Value	2103.8	miles
Frequency Counter	1	
Most Recent Odometer Value	2103.8	miles
Real time clock	9761044	sec

RAM stamps keyOn	0	sec
RAM Stamps	0	Min
Ignition Cycle Counter	0	
Accelerator Pedal Position	0	%
Engine Speed	0	rpm
HV Battery SOC	45	%
Vehicle Speed	0.0000	MPH
Barometric Pressure	14	PSI
Actual Torque - Motor A	0.000	Ft-Lbs
Engine Coolant Temperature	43	°F
Available Motor Torque - Motor A	0.000	Ft-Lbs
Inverter A Input DC Current	0.0	AMP
Motor A - Inverter Current - phase A	-4	AMP
Electric Motor A Speed	0.0	rpm
Motor A - Inverter Current - phase B	508	AMP
Battery Feed Voltage 2 Sense	14.832	Volts
Motor A Resolver Supply Voltage Value	15.75	Volts
Motor A - Inverter Current - phase C	-4	AMP
Battery Feed Voltage 3 Sense	14.616	Volts
Internal EPS Voltage Sense A	0.000	Volts
Internal EPS Voltage Sense B	0.000	Volts
PIM DC Link Voltage - A	2	Volts
PIM DC Link Voltage - B	2	Volts
Low Temp Active Pump Speed	0	rpm
Passive Pump Coolant Temp In Sensor	50	°F
High Temp Aux Pump - Actual Speed	0	rpm
Outside Air Temperature	55.4	°F
Battery Feed Voltage 1 Sense	14.832	Volts
Actual Torque - Motor B	0.000	Ft-Lbs
Available Motor Torque - Motor B	232.301	Ft-Lbs
Available Regen Torque - Motor A	0.000	Ft-Lbs
Available Regen Torque - Motor B	-232.301	Ft-Lbs
Commanded Torque - Motor A	0.000	Ft-Lbs
Commanded Torque - Motor B	0.000	Ft-Lbs
Motor B - Inverter Current - phase A	0	AMP
Motor B - Inverter Current - phase B	-4	AMP
Motor B - Inverter Current - phase C	-4	AMP
Motor B Resolver Angle	40	Degree
Motor B Temp Sensor	77	°F
HV Battery Voltage from BPCM	180.00	Volts
Electric Motor B Speed	0.5	rpm
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 A IGBT Temperature for phase A	32	°F
Inverter B IGBT Temperature for phase C	32	°F
Distance Travelled with Light ON	0	miles
Motor A Torque	0.000	Ft-Lbs
Motor B Torque	0.000	Ft-Lbs
HV Battery Sleep Time	0	Days
GPS Date - 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 | P0C0B-00 | Active | Drive Motor A Inverter Power Supply Circuit/Open-

NAME	VALUE	UNITS
DTC	0C 0B 00	
Test Failed	True	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test 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	Ignition Lock	
PRND Position Display	P	
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	True	
Motor A Phase U Comm Error Low Voltage Regulator Fault - High-Side	True	
Motor A Phase U SPI Error Fault - High-Side	False	
Motor A Phase U Hardware Error Fault - High-Side	True	
Motor A Phase U Short Fault - Low-Side	False	
Motor A Phase U Cross Conduction Fault - Low-Side	False	
Motor A Phase U Over Current Fault - Low-Side	False	

Motor A Phase U Thermal Warning Fault - Low-Side	False	
Motor A Phase U Thermal Shutdown Fault - Low-Side	False	
Motor A Phase U SPI Error Fault - Low-Side	False	
Motor A Phase U Hardware Error Fault - Low-Side	True	
Motor A Phase V Short Fault - High-Side	False	
Motor A Phase V Cross Conduction Fault - High-Side	False	
Motor A Phase V Over Current Fault - High-Side	True	
Motor A Phase V Thermal Warning Fault - High-Side	False	
Motor A Phase V Thermal Shutdown Fault - High-Side	False	
Motor A Phase V Comm Error High Voltage Regulator Fault - High-Side	True	
Motor A Phase V Comm Error Low Voltage Regulator Fault - High-Side	True	
Motor A Phase V SPI Error Fault - High-Side	False	
Motor A Phase V Hardware Error Fault - High-Side	True	
Motor A Phase V Short Fault - Low-Side	False	
Motor A Phase V Cross Conduction Fault - Low-Side	False	
Motor A Phase V Over Current Fault - Low-Side	True	
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 V SPI 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 SPI Error Fault - High-Side	False	
Motor A Phase W Comm Error Low Voltage Regulator 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	True	
Motor A Phase W SPI Error Fault - Low-Side	False	
Motor A Phase W Hardware Error Fault - Low-Side	True	
Hybrid System State	Power Up	
HV Contactor Status	Open	
Inverter B Status Feedback	Normal OFF	
CBC Wake-Up Input	Off	
HCP ePT Wake-Up Output	On	
EPT LOC Diag Enable	Disable LOC Daignostic	
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	False	
Motor A Phase U Under Voltage Fault VH - Low-Side	True	
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 Low Voltage Regulator Fault - Low-Side	True	
Motor A Phase U Comm Error High Voltage Regulator Fault - Low-Side	True	
Motor A Phase V Over Voltage Fault VH - High-Side	False	
Motor A Phase V Under Voltage Fault VH - High-Side	True	
Motor A Phase V Under Voltage Fault VL - High-Side	False	
Motor A Phase V Over Voltage Fault VL - High-Side	False	
Motor A Phase V Over Voltage Fault VDD - High-SideSide	False	
Motor A Phase V Under Voltage Fault VDD - High-Side	False	
Motor A Phase V Over Voltage Fault VH - Low-Side	False	
Motor A Phase V Under Voltage Fault VH - Low-Side	True	
Motor A Phase V Over Voltage Fault VL - Low-Side	False	
Motor A Phase V Under Voltage Fault VL - Low-Side	False	
Motor A Phase V Over Voltage Fault VDD - Low-Side	False	
Motor A Phase V Under Voltage Fault VDD - Low-Side	False	
Motor A Phase V Comm Error High Voltage Regulator Fault - Low-Side	True	
Motor A Phase V Comm Error Low Voltage Regulator Fault - Low-Side	True	
Motor A Phase W Cross Conduction Fault - High-Side	False	
Motor A Phase W Over Voltage Fault VH - High-Side	False	
Motor A Phase W Under Voltage Fault VH - High-Side	True	
Motor A Phase W Over Voltage Fault VL - High-Side	False	
Motor A Phase W Under Voltage Fault VL - High-Side	False	
Motor A Phase W Over Voltage Fault VDD - High-Side	False	
Motor A Phase W Under Voltage Fault VDD - High-Side	False	
Motor A Phase W Comm Error High Voltage Regulator Fault - High-Side	True	
Motor A Phase W Over Voltage Fault VH - Low-Side	False	
Motor A Phase W Under Voltage Fault VH - Low-Side	True	
Motor A Phase W Over Voltage Fault VL - Low-Side	False	
Motor A Phase W Under Voltage Fault VL - Low-Side	False	

Motor A Phase W Over Voltage Fault VDD - Low-Side	False	
Motor A Phase W Under Voltage Fault VDD - Low-Side	False	
Motor A Phase W Comm Error High Voltage Regulator Fault - Low-Side	True	
Inverter A Status Feedback	Inverter Faulted	
Original Odometer Value	2103.8	miles
Most Recent Odometer Value	2103.8	miles
Frequency Counter	1	
Ignition Cycle Counter	0	
Real time clock	9761044	sec
RAM stamps keyOn	0	sec
RAM Stamps	0	Min
Accelerator Pedal Position	0	%
Engine Speed	0	rpm
HV Battery SOC	45	%
Vehicle Speed	0.0000	MPH
Barometric Pressure	14	PSI
Engine Coolant Temperature	43	°F
Actual Torque - Motor A	0.000	Ft-Lbs
Available Motor Torque - Motor A	0.000	Ft-Lbs
Inverter A Input DC Current	0.0	AMP
Electric Motor A Speed	0.0	rpm
Motor A - Inverter Current - phase C	-4	AMP
Motor A Resolver Supply Voltage Value	15.75	Volts
Motor A - Inverter Current - phase B	508	AMP
Motor A - Inverter Current - phase A	-4	AMP
Battery Feed Voltage 2 Sense	14.832	Volts
Battery Feed Voltage 3 Sense	14.616	Volts
Internal EPS Voltage Sense A	0.000	Volts
Internal EPS Voltage Sense B	0.000	Volts
PIM DC Link Voltage - A	2	Volts
PIM DC Link Voltage - B	2	Volts
Passive Pump Coolant Temp In Sensor	50	°F
Low Temp Active Pump Speed	0	rpm
Outside Air Temperature	55.4	°F
High Temp Aux Pump - Actual Speed	0	rpm
Battery Feed Voltage 1 Sense	14.832	Volts
Actual Torque - Motor B	0.000	Ft-Lbs
Available Motor Torque - Motor B	232.301	Ft-Lbs
Available Regen Torque - Motor A	0.000	Ft-Lbs
Available Regen Torque - Motor B	-232.301	Ft-Lbs
Commanded Torque - Motor A	0.000	Ft-Lbs
Motor B - Inverter Current - phase A	0	AMP
Commanded Torque - Motor B	0.000	Ft-Lbs
Motor B - Inverter Current - phase B	0	AMP

Motor B - Inverter Current - phase C	0	AMP
Motor B Resolver Angle	40	Degree
Motor B Temp Sensor	77	°F
HV Battery Voltage from BPCM	180.00	Volts
Electric Motor B Speed	0.5	rpm
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	0	miles
Motor A Torque	0.000	Ft-Lbs
Motor B Torque	0.000	Ft-Lbs
HV Battery Sleep Time	0	Days
GPS Date - Month	1	
GPS Date - Year	0	Year
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 | P0C11-00 | Stored | Drive Motor A Inverter Phase U Over Temperature-

NAME	VALUE	UNITS
Test Failed	False	
DTC	0C 11 00	
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 SPI Error Fault - Low-Side		
Motor A Phase U Thermal Shutdown 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 Cross Conduction Fault - Low-Side		
Motor A Phase V Short 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 SPI Error Fault - High-Side		
Motor A Phase W Comm Error Low Voltage Regulator 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 Hardware Error Fault - High-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		
Inverter Status Feedback		
Motor A Phase U Over Voltage Fault VH - High-Side		
Commanded Inverter A State		
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 Under Voltage Fault VL - High-Side		
Motor A Phase V Over 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 Over Voltage Fault VDD - Low-Side		
Motor A Phase V Under Voltage Fault VL - 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 Over Voltage Fault VDD - High-Side		
Motor A Phase W Under Voltage Fault VL - 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
Ignition Cycle Counter		
Real time clock		sec
RAM stamps keyOn		sec
RAM Stamps		Min
Frequency Counter		
HV Battery SOC		%
Engine Speed		rpm
Accelerator Pedal Position		%
Barometric Pressure		PSI
Vehicle Speed		MPH
Engine Coolant Temperature		°F
Actual Torque - Motor A		Ft-Lbs
Inverter A Input DC Current		AMP
Available Motor Torque - Motor A		Ft-Lbs
Electric Motor A Speed		rpm
Motor A - Inverter Current - phase B		AMP
Motor A - Inverter Current - phase A		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
Low Temp Active Pump Speed		rpm
Passive Pump Coolant Temp In Sensor		°F
Outside Air Temperature		°F
High Temp Aux Pump - Actual Speed		rpm
Battery Feed Voltage 1 Sense		Volts

Available Motor Torque - Motor B		Ft-Lbs
Available Regen Torque - Motor A		Ft-Lbs
Actual Torque - Motor B		Ft-Lbs
Available Regen Torque - Motor B		Ft-Lbs
Commanded Torque - Motor B		Ft-Lbs
Commanded Torque - Motor A		Ft-Lbs
Motor B - Inverter Current - phase A		AMP
Motor B - Inverter Current - phase B		AMP
Motor B - Inverter Current - phase C		AMP
Motor B Resolver Angle		Degree
HV Battery Voltage from BPCM		Volts
Motor B Temp Sensor		°F
Electric Motor B Speed		rpm
Inverter A IGBT Temperature for phase A		°F
Inverter A IGBT Temperature for phase B		°F
Inverter B IGBT Temperature for phase A		°F
Inverter A IGBT Temperature for phase C		°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
HV Battery Sleep Time		Days
Motor B Torque		Ft-Lbs
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
Test Failed	False	
DTC	0C 14 00	
Test Failed This Operation Cycle	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Pending DTC	True	
Confirmed DTC	True	
Occurrence flag		
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
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 Cross Conduction Fault - High-Side		
Motor B Phase U Thermal Shutdown Fault - High-Side		
Motor B Phase U Short Fault - High-Side		
Motor B Phase U Thermal Warning 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 Thermal Warning Fault - Low-Side		
Motor B Phase U Over Current Fault - Low-Side		
Motor B Phase U Comm Error High Voltage Regulator Fault - Low-Side		
Motor B Phase U Thermal Shutdown Fault - Low-Side		
Motor B Phase U Cross Conduction 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 V Over Current Fault - High-Side		
Motor B Phase V Thermal Warning Fault - High-Side		
Motor B Phase V Short Fault - High-Side		
Motor B Phase V Thermal Shutdown Fault - High-Side		
Motor B Phase U Hardware Error Fault - Low-Side		
Motor B Phase V Cross Conduction Fault - High-Side		
Motor B Phase V Comm Error High Voltage Regulator Fault - High-Side		
Motor B Phase V SPI Error Fault - High-Side		
Motor B Phase V Comm Error Low Voltage Regulator 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 Thermal Shutdown Fault - Low-Side		
Motor B Phase V Thermal Warning Fault - Low-Side		
Motor B Phase V Over Current 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 W Short Fault - High-Side		
Motor B Phase W Cross Conduction Fault - High-Side		
Motor B Phase V Hardware Error Fault - Low-Side		
Motor B Phase V SPI Error Fault - Low-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 Comm Error High Voltage Regulator Fault - Low-Side		
Motor B Phase W Comm Error Low Voltage Regulator Fault - Low-Side		
Motor B Phase W Thermal Warning Fault - Low-Side		
Motor B Phase W SPI Error Fault - Low-Side		
Motor B Phase W Hardware Error Fault - Low-Side		
Motor B Phase W Thermal Shutdown Fault - Low-Side		
Hybrid System State		
HCP ePT Wake-Up Output		
EPT LOC Diag Enable		
CBC Wake-Up Input		
HV Contactor Status		
APM Status		
HCP System Shutdown Command		
Impact Event		
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 Over Voltage Fault VH - Low-Side		
Motor B Phase V Under Voltage Fault VDD - High-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 VDD - Low-Side		
Motor B Phase W Over Voltage Fault VH - High-Side		
Motor B Phase V Under Voltage Fault VL - Low-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 Under Voltage Fault VH - 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 Over Voltage Fault VL - Low-Side		
Motor B Phase W Under Voltage Fault VL - Low-Side		
Motor B Phase W Under Voltage Fault VH - 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
Ignition Cycle Counter		
Most Recent Odometer Value		miles
Real time clock		sec
RAM stamps keyOn		sec
Engine Speed		rpm
Accelerator Pedal Position		%
HV Battery SOC		%
RAM Stamps		Min
Vehicle Speed		MPH
Frequency Counter		
Engine Coolant Temperature		°F
Barometric Pressure		PSI
Inverter B Input DC Current		AMP
Available Motor Torque - Motor B		Ft-Lbs
Actual Torque - Motor B		Ft-Lbs
Motor B - Inverter Current - phase B		AMP
Motor B - Inverter Current - phase A		AMP
Electric Motor B Speed		rpm
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
Actual Torque - Motor A		Ft-Lbs
Battery Feed Voltage 1 Sense		Volts

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

HCP | P0C19-00 | Active | Drive Motor A Torque Delivered Performance-

NAME	VALUE	UNITS
DTC	0C 19 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	
Motor A Phase U Short Fault - High-Side	False	
Motor A Phase U Cross Conduction Fault - High-Side	False	
Motor A Phase U Over Current Fault - High-Side	False	
Motor A Phase U Thermal Warning Fault - High-Side	False	
Motor A Phase U Thermal Shutdown Fault - High-Side	False	
Motor A Phase U Comm Error High Voltage Regulator Fault - High-Side	True	
Motor A Phase U Comm Error Low Voltage Regulator Fault - High-Side	True	
Motor A Phase U SPI Error Fault - High-Side	False	
Motor A Phase U Hardware Error Fault - High-Side	True	
Motor A Phase U Short Fault - Low-Side	False	
Motor A Phase U Cross Conduction Fault - Low-Side	False	
Motor A Phase U Over Current Fault - Low-Side	False	
Motor A Phase U Thermal Warning Fault - Low-Side	False	
Motor A Phase U SPI Error Fault - Low-Side	False	
Motor A Phase U Thermal Shutdown Fault - Low-Side	False	
Motor A Phase U Hardware Error Fault - Low-Side	True	
Motor A Phase V Short Fault - High-Side	False	
Motor A Phase V Cross Conduction Fault - High-Side	False	
Motor A Phase V Over Current Fault - High-Side	True	
Motor A Phase V Thermal Warning Fault - High-Side	False	
Motor A Phase V Thermal Shutdown Fault - High-Side	False	
Motor A Phase V Comm Error High Voltage Regulator Fault - High-Side	True	
Motor A Phase V Comm Error Low Voltage Regulator Fault - High-Side	True	
Motor A Phase V SPI Error Fault - High-Side	False	
Motor A Phase V Hardware Error Fault - High-Side	True	
Motor A Phase V Short Fault - Low-Side	False	
Motor A Phase V Cross Conduction Fault - Low-Side	False	
Motor A Phase V Over Current Fault - Low-Side	True	
Motor A Phase V Thermal Warning Fault - Low-Side	False	
Motor A Phase V Thermal Shutdown Fault - Low-Side	False	
Motor A Phase V SPI Error Fault - Low-Side	False	
Motor A Phase V Hardware Error Fault - Low-Side	True	
Motor A Phase W Short Fault - High-Side	False	
Motor A Phase W Over Current Fault - High-Side	False	
Motor A Phase W Thermal Warning Fault - High-Side	False	
Motor A Phase W Thermal Shutdown Fault - High-Side	False	
Motor A Phase W Comm Error Low Voltage Regulator Fault - High-Side	True	

Motor A Phase W Hardware Error Fault - High-Side	True	
Motor A Phase W SPI 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 Shutdown Fault - Low-Side	False	
Motor A Phase W Comm Error Low Voltage Regulator Fault - Low-Side	True	
Motor A Phase W SPI Error Fault - Low-Side	False	
Motor A Phase W Hardware Error Fault - Low-Side	True	
Motor A Phase W Thermal Warning Fault - Low-Side	False	
Hybrid System State	Power Up	
HV Contactor Status	Open	
Inverter B Status Feedback	Normal OFF	
CBC Wake-Up Input	Off	
HCP ePT Wake-Up Output	On	
EPT LOC Diag Enable	Disable LOC Daignostic	
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 Under Voltage Fault VH - High-Side	True	
Motor A Phase U Over Voltage Fault VL - High-Side	False	
Motor A Phase U Over Voltage Fault VH - High-Side	False	
Motor A Phase U Under Voltage Fault VL - High-Side	False	
Motor A Phase U Over Voltage Fault VDD - High-Side	False	
Motor A Phase U Under Voltage Fault VDD - High-Side	False	
Motor A Phase U Over Voltage Fault VH - Low-Side	False	
Motor A Phase U Under Voltage Fault VH - Low-Side	True	
Motor A Phase U Over Voltage Fault VL - Low-Side	False	
Motor A Phase U Under Voltage Fault VL - Low-Side	False	
Motor A Phase U Over Voltage Fault VDD - Low-Side	False	
Motor A Phase U Under Voltage Fault VDD - Low-Side	False	
Motor A Phase U Comm Error High Voltage Regulator Fault - Low-Side	True	
Motor A Phase U Comm Error Low Voltage Regulator Fault - Low-Side	True	
Motor A Phase V Over Voltage Fault VH - High-Side	False	
Motor A Phase V Under Voltage Fault VH - High-Side	True	
Motor A Phase V Over Voltage Fault VL - High-Side	False	
Motor A Phase V Under Voltage Fault VL - High-Side	False	
Motor A Phase V Over Voltage Fault VDD - High-SideSide	False	
Motor A Phase V Under Voltage Fault VDD - High-Side	False	
Motor A Phase V Over Voltage Fault VH - Low-Side	False	

Motor A Phase V Over Voltage Fault VL - Low-Side	False	
Motor A Phase V Under Voltage Fault VH - Low-Side	True	
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 Comm Error High Voltage Regulator Fault - High-Side	True	
Motor A Phase W Under Voltage Fault VDD - High-Side	False	
Motor A Phase W Over Voltage Fault VH - Low-Side	False	
Motor A Phase W Over Voltage Fault VL - Low-Side	False	
Motor A Phase W Under Voltage Fault VH - Low-Side	True	
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 Comm Error High Voltage Regulator Fault - Low-Side	True	
Motor A Phase W Under Voltage Fault VDD - Low-Side	False	
Inverter A Status Feedback	Inverter Faulted	
Original Odometer Value	2103.8	miles
Most Recent Odometer Value	2103.8	miles
Frequency Counter	1	
Ignition Cycle Counter	0	
Real time clock	9761044	sec
RAM Stamps	0	Min
RAM stamps keyOn	0	sec
Accelerator Pedal Position	0	%
Engine Speed	0	rpm
Barometric Pressure	14	PSI
HV Battery SOC	45	%
Vehicle Speed	0.0000	MPH
Engine Coolant Temperature	43	°F
Available Motor Torque - Motor A	9.403	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	508	AMP
Motor A - Inverter Current - phase C	-4	AMP
Battery Feed Voltage 2 Sense	14.832	Volts

Motor A Resolver Supply Voltage Value	15.75	Volts
Internal EPS Voltage Sense A	0.000	Volts
Battery Feed Voltage 3 Sense	14.544	Volts
Internal EPS Voltage Sense B	0.000	Volts
PIM DC Link Voltage - A	2	Volts
Passive Pump Coolant Temp In Sensor	50	°F
PIM DC Link Voltage - B	2	Volts
Low Temp Active Pump Speed	0	rpm
Outside Air Temperature	57.2	°F
High Temp Aux Pump - Actual Speed	0	rpm
Battery Feed Voltage 1 Sense	14.832	Volts
Available Motor Torque - Motor B	232.301	Ft-Lbs
Actual Torque - Motor B	0.000	Ft-Lbs
Available Regen Torque - Motor B	-232.301	Ft-Lbs
Available Regen Torque - Motor A	-9.403	Ft-Lbs
Commanded Torque - Motor B	0.000	Ft-Lbs
Commanded Torque - Motor A	0.000	Ft-Lbs
Motor B - Inverter Current - phase A	0	AMP
Motor B - Inverter Current - phase C	-4	AMP
Motor B - Inverter Current - phase B	-4	AMP
Electric Motor B Speed	0.5	rpm
Motor B Temp Sensor	77	°F
Motor B Resolver Angle	40	Degree
HV Battery Voltage from BPCM	180.00	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	0	miles
Motor B Torque	0.000	Ft-Lbs
Motor A Torque	0.000	Ft-Lbs
GPS Date - Year	0	Year
HV Battery Sleep Time	0	Days
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	16 F9 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	
DTC Extended Data Record Number	05	
Warning Indicator Requested	True	
Occurrence flag	Occurrence	
Test Not Completed This Operation Cycle	False	
PHEV Charging Status	No Charging	
Brake Switch Status	Not Applied	
PRND Position Display	P	
Propulsion System Active	False	
Ignition State	Ignition Lock	
Main Processor Reset Source - Core 0	Power Up	
Main Processor Reset Source - Core 1	Power Up	
Static NVM CRC Status	Passed	
Cumulative NVM CRC Status	Passed	
Adaptable NVM CRC Status	Failed	
Expendable NVM CRC Status	Passed	
Non Volatile RAM CRC Status	Passed	
MCPInit EEPROM CRC Status	Passed	
MCPUninit EEPROM CRC Status	Passed	
Preserved NVM CRC Status	Passed	
BSW EEPROM CRC Status	Passed	
HCP - MCPA SPI ARC Error Count	00	
MemShare CRC Error Count- Core 0	46	
HCP - MCPA SPI CRC Error Count	00	
MCPB - MCPA SPI ARC Error Count	00	
MemShare CRC Error Count- Core 1	FF	
Main Stack Fault	False	
MemShare ARC Error Count- Core 1	03	
MCPB - MCPA SPI CRC Error Count	00	
External Watchdog Fault	False	
MemShare ARC Error Count- Core 0	00	
Main Analog-to-Digital Converter Fault	False	
MAIN ALU Fault	False	
MAIN Detected SPI Fault	False	
Main Clock Fault	False	
MainTPU_Flt	False	
Main Detected Seed Received In Wrong Order	False	
Hybrid System State	Power Up	

HCP ePT Wake-Up Output	On	
CBC Wake-Up Input	Off	
EPT LOC Diag Enable	Disable LOC Daignostic	
HV Contactor Status	Open	
Impact Event	False	
HCP System Shutdown Command	Default	
APM Status	Idle	
OBCM Operating Mode	UTC	
J1772 Prox Detected State	Prox Out	
Most Recent Odometer Value	2103.8	miles
Original Odometer Value	2103.8	miles
Real time clock	9761044	sec
Ignition Cycle Counter	0	
RAM stamps keyOn	0	sec
Accelerator Pedal Position	0	%
Engine Speed	0	rpm
RAM Stamps	0	Min
Engine Coolant Temperature	43	°F
Frequency Counter	1	
Internal EPS Voltage Sense A	0.000	Volts
Barometric Pressure	14	PSI
Battery Feed Voltage 2 Sense	14.832	Volts
HV Battery SOC	45	%
Internal EPS Voltage Sense B	0.000	Volts
Vehicle Speed	0.0000	MPH
Battery Feed Voltage 3 Sense	14.472	Volts
Actual Torque - Motor A	0.000	Ft-Lbs
Battery Feed Voltage 1 Sense	14.832	Volts
Actual Torque - Motor B	0.000	Ft-Lbs
Available Motor Torque - Motor B	221.884	Ft-Lbs
Available Regen Torque - Motor B	-221.884	Ft-Lbs
Commanded Torque - Motor A	0.000	Ft-Lbs
Available Motor Torque - Motor A	93.658	Ft-Lbs
Motor B - Inverter Current - phase A	0	AMP
Commanded Torque - Motor B	0.000	Ft-Lbs
Motor A - Inverter Current - phase B	508	AMP
Motor A - Inverter Current - phase A	0	AMP
Available Regen Torque - Motor A	-93.658	Ft-Lbs
Motor B - Inverter Current - phase B	0	AMP
Motor A - Inverter Current - phase C	-4	AMP
Motor B - Inverter Current - phase C	-4	AMP
Motor B Resolver Angle	40	Degree
Motor A Temp Sensor	77	°F
Outside Air Temperature	65.3	°F

PIM DC Link Voltage - B	2	Volts
HV Battery Voltage from BPCM	180.00	Volts
Motor B Temp Sensor	77	°F
Motor A Resolver Angle	132	Degree
PIM DC Link Voltage - A	2	Volts
Electric Motor B Speed	0.0	rpm
Inverter B IGBT Temperature for phase B	32	°F
Inverter B IGBT Temperature for phase A	32	°F
Electric Motor A Speed	0.0	rpm
Inverter A IGBT Temperature for phase A	32	°F
Distance Travelled with Light ON	0	miles
Inverter A IGBT Temperature for phase C	32	°F
Motor B Torque	0.000	Ft-Lbs
HV Battery Sleep Time	0	Days
GPS Date - Day	1	Days
GPS Date - Month	1	
UTC Time - Minutes	0	
Motor A Torque	0.000	Ft-Lbs
UTC Time - Seconds	0	seconds
Inverter B IGBT Temperature for phase C	32	°F
ECU Time - Milliseconds	0	ms
UTC Time - Hours	0	Hours
GPS Date - Year	0	Year
Inverter A IGBT Temperature for phase B	32	°F

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

NAME	VALUE	UNITS
DTC	1A EC 00	
Test Failed	False	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Confirmed DTC	False	
Test Not Completed Since Last Clear	False	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
Test Failed Since Last Clear	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 Hardware Error Fault - Low-Side		
Motor A Phase U SPI 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 Shutdown Fault - High-Side		
Motor A Phase V Thermal Warning 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 Shutdown Fault - Low-Side		
Motor A Phase V Thermal Warning Fault - Low-Side		
Motor A Phase V Hardware Error Fault - Low-Side		
Motor A Phase V SPI Error Fault - Low-Side		
Motor A Phase W Over Current Fault - High-Side		
Motor A Phase W Short Fault - High-Side		
Motor A Phase W Thermal Warning Fault - High-Side		
Motor A Phase W Comm Error Low Voltage Regulator Fault - High-Side		
Motor A Phase W Thermal Shutdown 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 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 Short 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		
Impact Event		
APM Status		
HCP System Shutdown Command		
OBCM Operating Mode		
J1772 Prox Detected State		
Commanded Inverter A State		
Motor A Phase U Over Voltage Fault VH - High-Side		
Inverter Status Feedback		
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 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 - High-SideSide		
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 Under Voltage Fault VH - High-Side		

Motor A Phase W Over Voltage Fault VH - High-Side		
Motor A Phase W Under Voltage Fault VL - High-Side		
Motor A Phase W Over Voltage Fault VL - High-Side		
Motor A Phase W Over Voltage Fault VDD - High-Side		
Motor A Phase W Comm Error High Voltage Regulator Fault - High-Side		
Motor A Phase W Under Voltage Fault VDD - High-Side		
Motor A Phase W Over Voltage Fault VH - Low-Side		
Motor A Phase W Over Voltage Fault VL - Low-Side		
Motor A Phase W Under Voltage Fault VH - Low-Side		
Motor A Phase W Under Voltage Fault VL - 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		
Motor A Phase W Over 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		%
HV Battery SOC		%
Engine Speed		rpm
Vehicle Speed		MPH
Barometric Pressure		PSI
Actual Torque - Motor A		Ft-Lbs
Engine Coolant Temperature		°F
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 C		AMP
Motor A Resolver Supply Voltage Value		Volts
Motor A - Inverter Current - phase B		AMP
Battery Feed Voltage 2 Sense		Volts
Internal EPS Voltage Sense A		Volts
Battery Feed Voltage 3 Sense		Volts
PIM DC Link Voltage - A		Volts
Internal EPS Voltage Sense B		Volts
PIM DC Link Voltage - B		Volts
Passive Pump Coolant Temp In Sensor		°F
Low Temp Active Pump Speed		rpm
Outside Air Temperature		°F

High Temp Aux Pump - Actual Speed		rpm
Battery Feed Voltage 1 Sense		Volts
Available Motor Torque - Motor B		Ft-Lbs
Actual 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 Temp Sensor		°F
Motor B - Inverter Current - phase B		AMP
Motor B Resolver Angle		Degree
Motor B - Inverter Current - phase C		AMP
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 C		°F
Inverter B IGBT Temperature for phase A		°F
Inverter A IGBT Temperature for phase B		°F
Inverter B IGBT Temperature for phase B		°F
Inverter B IGBT Temperature for phase C		°F
Motor A Torque		Ft-Lbs
Distance Travelled with Light ON		miles
Motor B Torque		Ft-Lbs
GPS Date - Year		Year
HV Battery Sleep Time		Days
UTC Time - Hours		Hours
GPS Date - Day		Days
GPS Date - Month		
UTC Time - Minutes		
UTC Time - Seconds		seconds
ECU Time - Milliseconds		ms

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

NAME	VALUE	UNITS
DTC	1A ED 00	
Pending DTC	True	
Test Failed This Operation Cycle	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Confirmed DTC	False	
Test Failed	False	
Occurrence flag		

Warning Indicator Requested	False	
Brake Switch Status		
PHEV Charging Status		
Ignition State		
Propulsion System Active		
PRND Position Display		
Commanded Inverter B State		
Motor B Phase U Short 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		
Inverter B Status Feedback		
Motor B Phase U Short Fault - Low-Side		
Motor B Phase U Hardware Error Fault - High-Side		
Motor B Phase U Thermal Warning 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 Shutdown Fault - Low-Side		
Motor B Phase U Comm Error Low Voltage Regulator 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 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 U Cross Conduction Fault - High-Side		
Motor B Phase U Hardware Error Fault - Low-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 Short Fault - Low-Side		
Motor B Phase V Cross Conduction Fault - Low-Side		
Motor B Phase V Thermal Warning Fault - Low-Side		
Motor B Phase V Over Current 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 SPI Error Fault - Low-Side		
Motor B Phase V Comm Error Low Voltage Regulator Fault - Low-Side		
Motor B Phase V Hardware Error Fault - Low-Side		
Motor B Phase W Short Fault - High-Side		
Motor B Phase V Hardware Error Fault - High-Side		
Motor B Phase W Comm Error High Voltage Regulator Fault - High-Side		

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

Motor B Phase V Over Voltage Fault VH - Low-Side		
Motor B Phase V Over Voltage Fault VDD - High-Side		
Motor B Phase V Under Voltage Fault VL - Low-Side		
Motor B Phase V Over Voltage Fault VDD - Low-Side		
Motor B Phase V Under Voltage Fault VDD - Low-Side		
Motor B Phase W Over Voltage Fault VH - High-Side		
Motor B Phase V Over Voltage Fault VL - Low-Side		
Motor B Phase W Under Voltage Fault VH - High-Side		
Motor B Phase W Over Voltage Fault VL - High-Side		
Motor B Phase V Under Voltage Fault VH - Low-Side		
Motor B Phase W Under Voltage Fault VDD - High-Side		
Motor B Phase W Over Voltage Fault VDD - High-Side		
Motor B Phase W Under Voltage Fault VL - High-Side		
Motor B Phase W Under Voltage Fault VH - Low-Side		
Motor B Phase W Over Voltage Fault VH - Low-Side		
Motor B Phase W Thermal Shutdown Fault - High-Side		
Motor B Phase W Over Voltage Fault VL - Low-Side		
Motor B Phase W Under Voltage Fault VL - Low-Side		
Motor B Phase W Under Voltage Fault VDD - Low-Side		
Motor B Phase W Over Voltage Fault VDD - Low-Side		
Original Odometer Value		miles
Most Recent Odometer Value		miles
Real time clock		sec
Ignition Cycle Counter		
RAM Stamps		Min
Frequency Counter		
Accelerator Pedal Position		%
Engine Speed		rpm
HV Battery SOC		%
RAM stamps keyOn		sec
Actual Torque - Motor B		Ft-Lbs
Vehicle Speed		MPH
Barometric Pressure		PSI
Engine Coolant Temperature		°F
Inverter B Input DC Current		AMP
Electric Motor B Speed		rpm
Motor B - Inverter Current - phase B		AMP
Motor B - Inverter Current - phase C		AMP
Available Motor Torque - Motor B		Ft-Lbs
Motor B - Inverter Current - phase A		AMP
Internal EPS Voltage Sense B		Volts
Internal EPS Voltage Sense A		Volts
Battery Feed Voltage 2 Sense		Volts
Motor B Resolver Supply Voltage Value		Volts

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

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

NAME	VALUE	UNITS
DTC	C6 23 00	
Pending DTC	True	
Test Failed	True	
Confirmed DTC	True	
Test Failed This Operation Cycle	True	
Test Not Completed Since Last Clear	False	

Warning Indicator Requested	True	
Test Failed Since Last Clear	True	
Occurrence flag	Occurrence	
Test Not Completed This Operation Cycle	False	
PHEV Charging Status	No Charging	
Brake Switch Status	Not Applied	
Ignition State	Ignition Lock	
Propulsion System Active	False	
PRND Position Display	P	
Thermal System Enable State	On	
High Temperature Shut-Off Valve Status	Off	
Front Refrigerant Shut-Off Valve Status	Off	
Chiller Shut-Off Valve Status	Off	
Hybrid System State	Power Up	
EPT LOC Diag Enable	Enable Limited LOC Diagnostic	
HV Contactor Status	Open	
CBC Wake-Up Input	Off	
Impact Event	False	
HCP System Shutdown Command	Default	
APM Status	Idle	
J1772 Prox Detected State	Prox Out	
OBCM Operating Mode	UTC	
Original Odometer Value	2103.8	miles
RAM stamps keyOn	15	sec
Ignition Cycle Counter	0	
RAM Stamps	0	Min
Real time clock	9761050	sec
Most Recent Odometer Value	2103.8	miles
Engine Coolant Temperature	43	°F
A/C Refrigerant Pressure	58.0	PSI
Vehicle Speed	0.0000	MPH
HV Battery SOC	45	%
Engine Speed	0	rpm
Passive Pump Coolant Temp In Sensor	50	°F
Motor A Temp Sensor	45	°F
Barometric Pressure	14	PSI
High Temp Cabin Valve Feedback	0.39	degrees
Motor B Temp Sensor	43	°F
Accelerator Pedal Position	0	%
EAC Compressor Speed	0	rpm
Electric Coolant Heater Temp Sensor	46	°F
Outside Air Temperature	53.6	°F
HV Coolant Heater - Measured Coolant Inlet Temp	43	°F
Battery Feed Voltage 2 Sense	15.192	Volts

Battery Feed Voltage 3 Sense	15.264	Volts
Low Temp Active Pump - Temperature	50	°F
Radiator Fan Duty Cycle	7	%
Internal EPS Voltage Sense A	0.000	Volts
Internal EPS Voltage Sense B	0.000	Volts
Heater Core Coolant Temp Sensor	54	°F
HV Coolant Heater - Measured Coolant Outlet Temp	43	°F
Low Temp Passive Pump - Temperature	77	°F
Frequency Counter	1	
Available Motor Torque - Motor B	232.301	Ft-Lbs
Battery Feed Voltage 1 Sense	15.192	Volts
Available Motor Torque - Motor A	0.000	Ft-Lbs
Commanded Torque - Motor A	0.000	Ft-Lbs
Actual Torque - Motor B	0.000	Ft-Lbs
Available Regen Torque - Motor B	-232.301	Ft-Lbs
Motor B - Inverter Current - phase B	-4	AMP
Motor A Resolver Angle	132	Degree
Motor A - Inverter Current - phase B	508	AMP
Motor B - Inverter Current - phase A	0	AMP
Motor A - Inverter Current - phase A	-4	AMP
Available Regen Torque - Motor A	0.000	Ft-Lbs
Motor B - Inverter Current - phase C	-4	AMP
Motor A - Inverter Current - phase C	-4	AMP
Motor B Resolver Angle	40	Degree
HV Battery Voltage from BPCM	180.00	Volts
PIM DC Link Voltage - A	2	Volts
Commanded Torque - Motor B	0.000	Ft-Lbs
Inverter A IGBT Temperature for phase A	45	°F
Inverter A IGBT Temperature for phase B	45	°F
PIM DC Link Voltage - B	3	Volts
Electric Motor B Speed	0.5	rpm
Electric Motor A Speed	0.0	rpm
HV Battery Sleep Time	0	Days
Inverter B IGBT Temperature for phase B	45	°F
Inverter B IGBT Temperature for phase C	45	°F
Motor B Torque	0.000	Ft-Lbs
GPS Date - Day	1	Days
Inverter A IGBT Temperature for phase C	45	°F
Distance Travelled with Light ON	0	miles
GPS Date - Month	1	
Inverter B IGBT Temperature for phase A	45	°F
GPS Date - Year	0	Year
ECU Time - Milliseconds	0	ms
Motor A Torque	0.000	Ft-Lbs

UTC Time - Minutes	0	
UTC Time - Seconds	0	seconds
UTC Time - Hours	0	Hours

HCP | U11F8-00 | Pending |

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

OBCM | U0074-00 | Stored | Dedicated Powertrain (D-PT) CAN Bus Off-

NAME	VALUE	UNITS
DTC	C0 74 00	
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Test Not Completed Since Last Clear	False	
Confirmed DTC	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number - All	01	
Test Failed Since Last Clear	True	
OBCM Status AC Present	AC Not OK	
Occurrence flag	ERROR	
DTC Extended Data Record Number - Record #2	2B	
AC Line Low	Valid	
AC Line High	Not Valid	
Battery Voltage Over Max	Not Valid	
HV OC	False	
Battery Voltage Under Min	Not Valid	
Battery Not Detected	False	
HV OV	False	
NTC2 OT	False	
NTC1 OT	False	
NTC3 OT	False	
J1772 Stat	Veh Not Connected	
NTC4 OT	False	
EVSE Pilot Stat	NO EVSE	
J1772 S2 Close	Open	
Prox Stat	Prox Out	
OBCM Charger Ready	Off	
OBCM Mode	UTC	
J1772 S2 Status	Open	
OBCM WU Status	Off	
HCP (EVCU) Shutdown Command	EVCU Operational	
Generic Fail Sts	No Functional Fail Present	
HCP (EVCU) Enable Charge Command	Charge disable	

HCP (EVCU) OBC Mode Request	Idle	
Charge Enable Status	Chrg Disable	
Chrg Fail Sts	Faulted - Charging Inhibited	
OBC Control Mth	Current	
OBCM Deraing Reason	AC Voltage Limit Derating	
Close Chrgr Cntctr	Open	
OBCM Fault Reason	Internal OBCM high voltage Fault	
Chrgr Cntctr Stat	Open	
Chrg Mode	Charge Mode	
OBCM Wake Up Reason	Master Wake Up	
OBCM - LV Aux Over Voltage Protect	False	
OBCM - HV Over Voltage Protect	False	
OBCM - LV Aux Under Voltage Protect	False	
OBCM - Battery 12V Under Voltage Protect	False	
OBCM - PFC Under Voltage Protect	False	
OBCM - Battery 12V Over Voltage Protect	False	
OBCM - LLC Over Voltage Protect	False	
OBCM - LLC Under Voltage Protect	False	
OBCM - PFC Over Voltage Protect	False	
OBCM - AC Under Voltage Protect	False	
OBCM - HV Voltage Over MaxCal Protect	False	
OBCM - AC Over Voltage Protect	False	
OBCM - HCP Loss of Communication Protect	False	
OBCM - Internal Memory Fault	False	
OBCM - AC Over Current Protect	False	
OBCM - Loss BPCM Communication Protect	False	
OBCM - Over Temperature Protect	False	
OBCM - Power Stage Over Voltage Protect	False	
OBCM - CAN Bus Off	True	
OBCM - HV Over Current Protect	False	
OBCM - Pilot Duty Fault	False	
OBCM Prox Range To High	False	
OBCM - HV Voltage Under MinCal Protect	False	
OBCM - WakeUp Output Stuck Low	False	
OBCM - Receive HV Battery Contact Open From BPCM	True	
OBCM - SPI Communication Fault	False	
OBCM - WakeUp Output Stuck High	False	
OBCM - HV Battery Not Contact	False	
OBCM - Secondary Aux Over Voltage Protect	False	
OBCM - Primary Aux Over Voltage Protect	False	
OBCM - Secondary Aux Under Voltage Protect	False	
OBCM - HV Under Voltage Protect	False	
OBCM - Prox Range To Low	False	
OBCM - Stuck Shutdown	False	

OBCM - Primary Aux Under Voltage Protect	False	
OBCM - ORC Loss of Communication	False	
OBCM - Loss Communication Protect	False	
OBCM - Cycle Shutdown	False	
OBCM - Vehicle Impact	False	
Prox open fault	False	
OBCM - Pilot Short To Battery	False	
Control Pilot Open fault	False	
OBCM - Pilot Range Fault	False	
HCP stuck low fault	False	
HCP stuck High fault	False	
pilot signal wake up issue because of EVSE	False	
force shutdown fault	False	
OBCM - Prox Range Fault	False	
Plant mode flag	False	
OBCM - Internal S2 Switch High Fault	False	
pilto input short to battery fault in Driver mode detecting	False	
Loss SBC communcation (SPI)	False	
pilot short to ground fault in driver mode detecting	False	
Pilot frequency range fault	False	
OBCM - Internal S2 Switch High Fault in Driver mode detecting	False	
pilot input short to ground fault	False	
Charging ready line open fault	False	
Module A Primary - AC Under Voltage Protect	False	
OBCM - ARC/CRC Fault	False	
OBCM - AC Contact Welded Fault	False	
Module A Primary - PFC Power Limit	True	
OBCM - Internal S2 Switch Low Fault	False	
Module A Primary - PFC Enable States	False	
Module A Primary - LLC Enable States	False	
Retry fault flag	False	
Module A Primary - PFC Over Voltage Protect	False	
Module A Primary - PFC Under Voltage Protect	False	
Module A Primary - AC Present	False	
Module A Primary - Over Temperature Protect	False	
Module A Primary - Hot Warning	False	
Module A Primary - Aux Over Voltage Protect	False	
Module A Primary - PFC Over Temperature Protect	False	
Module A Primary - AC Over Voltage Protect	True	
Module A Primary - PFC Hot Warning	False	
Module A Primary - Standby Mode	True	
Module A Primary - Secondary Micro Enable Command	False	
Module A Primary - Loss Communication Protect	False	
Module A Primary - LLC Hot Warning	False	

Module A Primary - Relay Enable States	False	
Module A Primary - LLC Over Temperature Protect	False	
Module A Primary - Aux Under Voltage Protect	False	
Module A Secondary - HV Enable States	False	
Module A Secondary - LLC Under Voltage Protect	False	
Module A Primary - AC Vin Lost	True	
Module A Secondary - HV Over Voltage Protect	False	
Module A Secondary - LLC Over Voltage Protect	False	
Module A Primary - Operate Mode	False	
Module A Secondary - Aux Enable States	True	
Module A Primary - Shutdown Mode	False	
Module A Secondary - Hot Warning	False	
Module A Secondary - HV Over Current Protect	False	
Module A Secondary - HV Over Temperature Protect	False	
Module A Secondary - Over Temperature Protect	False	
Module A Secondary - Ambient Over Temperature Protect	False	
Module A Secondary - Primary Turn On States	False	
Module A Secondary - Ambient Hot Warning	False	
Module A Secondary - Aux Under Voltage Protect	False	
Module A Secondary - Loss Primary Communication Protect	False	
Module A Secondary - HV Hot Warning	False	
Module A Secondary - Aux Over Voltage Protect	False	
Module A Secondary - LV Micro Enable Command	False	
Module A Secondary - HV Under Voltage Protect	False	
Module A Secondary - Loss LV Communication Protect	False	
Module A Secondary - Operate Mode	False	
Module A Secondary - Primary Shutdown States	False	
Module A Secondary - Shutdown Mode	False	
Module A Secondary - LV Micro Disable Command	True	
Module A Secondary - PFC Low Temperature Derating	False	
Module A Secondary - PFC High Temperature Derating	False	
Module A Secondary - Standby Mode	True	
Module A Secondary - Ambient Low Temperature Derating	False	
Module A Secondary - AC Input Voltage Derating	True	
Module A Secondary - LLC Low Temperature Derating	False	
Module A Secondary - HV Output Voltage Derating	False	
Module A Secondary - LLC High Temperature Derating	False	
Module B Primary - PFC Power Limit	True	
Module B Primary - LLC Enable States	False	
Module B Primary - PFC Under Voltage Protect	False	
Module B Primary - PFC Enable States	False	
Module B Primary - PFC Over Voltage Protect	False	
Module B Primary - Over Temperature Protect	False	
Module B Primary - Hot Warning	False	

Module B Primary - PFC Over Temperature Protect	False	
Module A Secondary - HV High Temperature Derating	False	
Module B Primary - AC Present	False	
Module B Primary - PFC Hot Warning	False	
Module B Primary - LLC Over Temperature Protect	False	
Module A Secondary - Ambient High Temperature Derating	False	
Module B Primary - AC Under Voltage Protect	False	
Module A Secondary - HV Low Temperature Derating	False	
Module B Primary - Relay Enable States	False	
Module B Primary - Secondary Micro Enable Command	False	
Module B Primary - Loss Communication Protect	False	
Module B Primary - Aux Over Voltage Protect	False	
Module B Primary - Aux Under Voltage Protect	False	
Module B Primary - AC Vin Lost	True	
Module B Primary - Standby Mode	True	
Module B Primary - Shutdown Mode	False	
Module B Primary - Operate Mode	False	
Module B Secondary - Aux Enable States	True	
Module B Primary - LLC Hot Warning	False	
Module B Secondary - HV Enable States	False	
Module B Secondary - LLC Over Voltage Protect	False	
Module B Secondary - HV Over Voltage Protect	False	
Module B Secondary - LLC Under Voltage Protect	False	
Module B Primary - AC Over Voltage Protect	True	
Module B Secondary - HV Hot Warning	False	
Module B Secondary - HV Over Temperature Protect	False	
Module B Secondary - Hot Warning	False	
Module B Secondary - Over Temperature Protect	False	
Module B Secondary - Ambient Over Temperature Protect	False	
Module B Secondary - Ambient Hot Warning	False	
Module B Secondary - LV Micro Enable Command	False	
Module B Secondary - HV Over Current Protect	False	
Module B Secondary - Aux Under Voltage Protect	False	
Module B Secondary - Aux Over Voltage Protect	False	
Module B Secondary - Primary Shutdown States	False	
Module B Secondary - Loss LV Communication Protect	False	
Module B Secondary - Standby Mode	True	
Module B Secondary - Shutdown Mode	False	
Module B Secondary - PFC High Temperature Derating	False	
Module B Secondary - LLC High Temperature Derating	False	
Module B Secondary - PFC Low Temperature Derating	False	
Module B Secondary - LV Micro Disable Command	True	
Module B Secondary - Loss Primary Communication Protect	False	
Module B Secondary - LLC Low Temperature Derating	False	

Module B Secondary - HV Low Temperature Derating	False	
Module B Secondary - AC Input Voltage Derating	True	
Module B Secondary - Ambient Low Temperature Derating	False	
Module B Secondary - Operate Mode	False	
SBC State_DF00	C6	
SBC State_E180	00	
SBC State_DF80	00	
Module B Secondary - Primary Turn On States	False	
SBC State_E300	00	
Module B Secondary - HV Output Voltage Derating	False	
Module B Secondary - Ambient High Temperature Derating	False	
SBC State_E100	00	
Module B Secondary - HV Under Voltage Protect	False	
BPCM HV Battery Contactor Open	True	
SBC State_E580	00	
SBC State_E500	00	
Module B Secondary - HV High Temperature Derating	False	
CANSIP Bus Off	True	
SBC Bus Off	False	
HCP Shutdown Command	No Shutdown	
BPCM Request for HV Contactor	False	
HV Battey Contactor Open	False	
HV Contactor Status	Open	
EPT LOC Diag Enable	Disable LOC Daignostic	
Ignition Cycle Counter	6	
Original Odometer Value	0	miles
AC Side Current	0.60	Amps
HCP (EVCU) AC Current Max Cal	0.00	Amps
HCP (EVCU) Voltage Request	0	Volts
Battery Side Voltage	0.0	Volts
AC Side Volt	2.1	Volts
Most Recent Odometer Value	0	miles
HCP (EVCU) Current Request	0.00	AMP
Frequency Counter	3	
HCP (EVCU) HV Current Max Cal	0.00	Amps
Battery Side Current	0.20	Amps
HCP (EVCU) HV Volt Max Cal	0	Volt
OBCM Temperature 3	46	°F
OBCM Temperature 2	45	°F
HCP (EVCU) HV Volt Min Cal	0	Volt
OBC Idle Tml	11	hrs
Control Pilot Duty Cycle	0.00	%
Watt Hours of Charge the HV Bus	0	W-Hrs
Control Pilot Amplitude	7.421	Volts

Control Pilot Frequency	1024	Hz
OBCM Temperature 4	43	°F
J1772 ICA	0	AMP
Module A Secondary - Battery Side Current	-24.90	Amps
Watt-Hours of AC Power	0	W-Hrs
Module A Primary - AC Side Current	-24.80	Amps
Prox Voltage	4.431	Volt
Module A Secondary - Battery Side Voltage	0.0	Volts
Module A Primary - LLC Temperature	45	°F
Module A Secondary - Ambient Temperature	45	°F
Module B Primary - LLC Temperature	48	°F
Module B Primary - PFC Temperature	48	°F
Module A Primary - AC Side Volt	2.3	Volts
Module A Secondary - Buck Temperature	43	°F
Module A Secondary - Buck Output Voltage	0.1	Volts
External OBCM Inlet Temperature (CAN)	-40	°F
OBCM Temperature 1	46	°F
Module B Primary - AC Side Current	-24.60	Amps
Module B Secondary - Battery Side Current	-24.90	Amps
Module B Secondary - Buck Output Voltage	0.1	Volts
Module A Primary - PFC Temperature	45	°F
Module B Secondary - Buck Temperature	46	°F
OBCM Charge Current Available	0.00	AMP
OBC Charge Time	0	sec
Ignition on Time for DTC	0	sec
OBC Idle Time	0	sec
OBC Charge Tml	5421	hrs
Module B Secondary - Battery Side Voltage	0.0	Volts
Module B Secondary - Ambient Temperature	46	°F
Module B Primary - AC Side Volt	2.0	Volts

MSMP | B222D-00 | Stored | ECU Unable To Configure/Configuration Not Learned-

NAME	VALUE	UNITS
Test Failed	False	
Test Failed This Operation Cycle	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Pending DTC	False	
Test Failed Since Last Clear	True	
Warning Indicator Requested	False	
Test Not Completed This Operation Cycle	False	
DTC Extended Data Record Number - All	01	
Occurrence flag	Occurrence	
Original Odometer Value	2098	miles

Most Recent Odometer Value	2098	miles
Ignition Cycle Counter	2	
Frequency Counter	1	

MSMP | B210A-84 | Stored | System Voltage Low-Signal Below Allowable Range

NAME	VALUE	UNITS
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	False	
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	
DTC Extended Data Record Number - All	01	
Occurrence flag	Occurrence	
Most Recent Odometer Value	2098	miles
Original Odometer Value	2098	miles
Frequency Counter	4	
Ignition Cycle Counter	1	

MSMP | U0011-00 | Stored | CAN Interior Bus Off Performance-

NAME	VALUE	UNITS
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number - All	01	
Occurrence flag	Occurrence	
Original Odometer Value	Odometer value not available / Default	miles
Frequency Counter	2	
Most Recent Odometer Value	Odometer value not available / Default	miles
Ignition Cycle Counter	17	

MSMP | B210D-21 | Stored | Battery Voltage Low-Signal Amplitude < Minimum

NAME	VALUE	UNITS
Test Failed This Operation Cycle	False	
Test Failed	False	
Pending DTC	False	
Confirmed DTC	True	

Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
DTC Extended Data Record Number - All	01	
Warning Indicator Requested	False	
Occurrence flag	Occurrence	
Original Odometer Value	2098	miles
Most Recent Odometer Value	2098	miles
Ignition Cycle Counter	16	
Frequency Counter	2	

DSM | B21DD-84 | Stored | System Voltage-Signal Below Allowable Range

NAME	VALUE	UNITS
DTC	A1 DD 84	
Test Failed	False	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Test Failed This Operation Cycle	False	
DTC Extended Data Record Number - All	01	
Occurrence flag	Occurrence	
Warning Indicator Requested	False	
Confirmed DTC	True	
Pending DTC	False	
Ignition Cycle Counter	2	
Most Recent Odometer Value	2098	miles
Original Odometer Value	2098	miles
Frequency Counter	1	

VRM | B2199-16 | Stored | Battery Voltage-Circuit Voltage Below Threshold

NAME	VALUE	UNITS
DTC	A1 99 16	
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Confirmed DTC	True	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
Test Not Completed Since Last Clear	False	
DTC Extended Data Record Number - All	01	
Occurrence flag	ERROR	
Original Odometer Value	2098	miles
Most Recent Odometer Value	2098	miles

Ignition Cycle Counter	1	
Frequency Counter	3	

VRM | B21DD-84 | Stored | System Voltage-Signal Below Allowable Range

NAME	VALUE	UNITS
DTC	A1 DD 84	
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	False	
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	False	
DTC Extended Data Record Number - All	01	
Occurrence flag	ERROR	
Original Odometer Value	2098	miles
Most Recent Odometer Value	2098	miles
Frequency Counter	5	
Ignition Cycle Counter	1	

RCCC | B2199-16 | Stored | Battery Voltage-Circuit Voltage Below Threshold

NAME	VALUE	UNITS
DTC	A1 99 16	
Pending DTC	True	
Test Failed	False	
Test Failed This Operation Cycle	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
DTC Extended Data Record Number - All	01	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
Test Failed Since Last Clear	True	
Occurrence flag	Occurrence	
Original Odometer Value	2098	miles
Frequency Counter	2	
Ignition Cycle Counter	2	
Most Recent Odometer Value	2098	miles

RCCC | B21DD-84 | Stored | System Voltage-Signal Below Allowable Range

NAME	VALUE	UNITS
DTC	A1 DD 84	
Test Failed	False	
Test Failed This Operation Cycle	False	

Confirmed DTC	True	
Pending DTC	True	
Test Failed Since Last Clear	True	
Test Not Completed Since Last Clear	False	
Warning Indicator Requested	False	
Test Not Completed This Operation Cycle	False	
Occurrence flag	Occurrence	
DTC Extended Data Record Number - All	01	
Frequency Counter	2	
Most Recent Odometer Value	2098	miles
Ignition Cycle Counter	2	
Original Odometer Value	2098	miles

ABS0 | C2222-00 | Active | Improper Powerdown-

NAME	VALUE	UNITS
DTC	62 22 00	
Test Failed	True	
Test Failed This Operation Cycle	False	
Confirmed DTC	False	
Test Not Completed Since Last Clear	False	
Controller Event		
Test Failed Since Last Clear	False	
Test Not Completed This Operation Cycle	True	
Pending DTC	False	
Warning Indicator Requested	True	
Mirror Memory		
Occurrence flag		
Undervoltage Suspected		
Previous System Mode		
Current System Mode		
Brake Pedal Status		
Rotation Direction Right Front		
Rotation Direction Left Front		
System Condition		
Rotation Direction Left Rear		
ABS control		
ASR control		
MSR control		
EBV control		
Rotation Direction Right Rear		
HSA control		
Hold		
HBA control		
Braking assistance system		

EPB Mode Status		
BLS High		
ESP Control		
Plant Mode		
Clutch		
Park Brake		
ESP-OFF mode		
Status Parking Brake Right		
Actual Gear		
Status Parking Brake Left		
Transmission selector lever setting		
EPB Switch Status		
Stop Coordinator Active		
BLS Low		
Ignition Cycle Counter		
Frequency Counter		
Fault Time		S
Original Odometer Value		miles
Most Recent Odometer Value		miles
Ignition Unfiltered		V
Wheel Speed Left Front		MPH
Lateral Acceleration		m/s^2
Wheel Speed Left Rear		MPH
Supply Voltage Valves		V
Brake Pedal Travel Sensor Position		%
Supply voltage Pump		V
Yaw Rate		°/s
Accelerator Pedal Position		%
Wheel Speed Right Front		MPH
Wheel Speed Right Rear		MPH
Engine Speed		rpm
Primary Circuit Pressure		PSI
Steering Wheel Angle		°
Longitudinal Acceleration		m/s^2
Supplier Internal Code		

SGW | B2199-16 | Stored | Battery Voltage-Circuit Voltage Below Threshold

NAME	VALUE	UNITS
Test Failed This Monitoring Cycle	False	
Confirmed DTC	True	
Pending DTC	True	
Warning Indicator Requested	False	
DTCExtendedDataRecordNumber	Record \$01-\$8f	
Event Counter	Event counter for clear DTC memory	

Test Failed	False
Cycle to Switch Warning Lamp OFF	3 = error present (3 cycle consecutive for switch MIL OFF) 0 = error Not present 1..2 = number cycle consecutive for switch MIL OFF
Test Not Completed This Monitoring Cycle	False

SNAPSHOT DATA SUMMARY

No Snapshot Data available for B21DD-84

No Snapshot Data available for B210D-16

No Snapshot Data available for B2199-16

No Snapshot Data available for B21DD-84

No Snapshot Data available for P1C8B-16

No Snapshot Data available for P1C8C-16

No Snapshot Data available for U1853-00

No Snapshot Data available for P0919-00

No Snapshot Data available for C2129-16

No Snapshot Data available for C212A-84

No Snapshot Data available for B210D-84

No Snapshot Data available for B21DD-84

No Snapshot Data available for B10EB-00

No Snapshot Data available for U11BB-00

No Snapshot Data available for U1519-00

No Snapshot Data available for B21DD-84

No Snapshot Data available for B210C-16

No Snapshot Data available for B21DD-84

No Snapshot Data available for B210C-16

No Snapshot Data available for B21DD-84

No Snapshot Data available for B2199-16

No Snapshot Data available for B224F-54

No Snapshot Data available for B21DD-84

No Snapshot Data available for B2199-16

No Snapshot Data available for B224F-54

No Snapshot Data available for B2199-16

No Snapshot Data available for B21DD-84

No Snapshot Data available for B2199-16

No Snapshot Data available for B21DD-84

No Snapshot Data available for B222D-00

No Snapshot Data available for B210A-84

No Snapshot Data available for B210D-21

No Snapshot Data available for U0011-00

No Snapshot Data available for B233C-00

No Snapshot Data available for B21DD-16

No Snapshot Data available for B2199-16

No Snapshot Data available for B11C1-13

No Snapshot Data available for B2199-16

No Snapshot Data available for B21DD-84

No Snapshot Data available for B2199-16

No Snapshot Data available for B21DD-84

No Snapshot Data available for B1612-00

No Snapshot Data available for B21DD-84

No Snapshot Data available for B2199-16

No Snapshot Data available for B275B-00

No Snapshot Data available for B21DD-16

No Snapshot Data available for B210C-16

No Snapshot Data available for U0415-00

No Snapshot Data available for C212A-16

No Snapshot Data available for B1400-11

No Snapshot Data available for B1404-11

No Snapshot Data available for B1408-11

No Snapshot Data available for B280B-00

No Snapshot Data available for U0002-00

No Snapshot Data available for B140C-11

No Snapshot Data available for U11BB-00

No Snapshot Data available for B210A-00

No Snapshot Data available for B2199-16

No Snapshot Data available for B21DD-84

No Snapshot Data available for B21DD-84

No Snapshot Data available for B2199-16

No Snapshot Data available for B21DD-84

No Snapshot Data available for B2199-16

No Snapshot Data available for B210A-00

No Snapshot Data available for U0011-00

No Snapshot Data available for U11BB-00

No Snapshot Data available for B210D-00

No Snapshot Data available for U0293-00

No Snapshot Data available for U0594-00

No Snapshot Data available for P0562-00

No Snapshot Data available for P1A0C-00

No Snapshot Data available for P2BE5-00

No Snapshot Data available for P0A95-00

No Snapshot Data available for P0513-00

No Snapshot Data available for P062F-00

No Snapshot Data available for P0A3C-00

No Snapshot Data available for P0A3D-00

No Snapshot Data available for P0A78-00

No Snapshot Data available for P0AFA-00

No Snapshot Data available for P0BEC-00

No Snapshot Data available for P0C01-00

No Snapshot Data available for P0C0B-00

No Snapshot Data available for P0C11-00

No Snapshot Data available for P0C14-00

No Snapshot Data available for P0C19-00

No Snapshot Data available for P16F9-00

No Snapshot Data available for P1AEC-00

No Snapshot Data available for P1AED-00

No Snapshot Data available for U0623-00

No Snapshot Data available for U11F8-00

No Snapshot Data available for U0074-00

No Snapshot Data available for B222D-00

No Snapshot Data available for B210A-84

No Snapshot Data available for U0011-00

No Snapshot Data available for B210D-21

No Snapshot Data available for B21DD-84

No Snapshot Data available for B2199-16

No Snapshot Data available for B21DD-84

No Snapshot Data available for B2199-16

No Snapshot Data available for B21DD-84

No Snapshot Data available for C2222-00

SGW | B2199-16 | Stored | Battery Voltage-Circuit Voltage Below Threshold

Record 0

NAME	VALUE	UNITS
TestFailedThisMonitoringCycle	False	
DTC Failure Type Byte	2F	
Pending DTC	True	
Test Not Completed This Monitoring Cycle	False	
DTC Snapshot Record Number	Record #1	
Warning Indicator Requested	False	
TestFailed	False	
DTC Snapshot Record Number Of Identifiers	5	
Key On Counter	313	
Battery Voltage (+30)	6.70	V
Confirmed DTC	True	

Record 1

NAME	VALUE	UNITS
TestFailedThisMonitoringCycle	False	
DTC Failure Type Byte	2F	
Pending DTC	True	
Test Not Completed This Monitoring Cycle	False	
DTC Snapshot Record Number	Record #2	
Warning Indicator Requested	False	
TestFailed	False	
DTC Snapshot Record Number Of Identifiers	5	
Key On Counter	349	
Battery Voltage (+30)	8.90	V
Confirmed DTC	True	