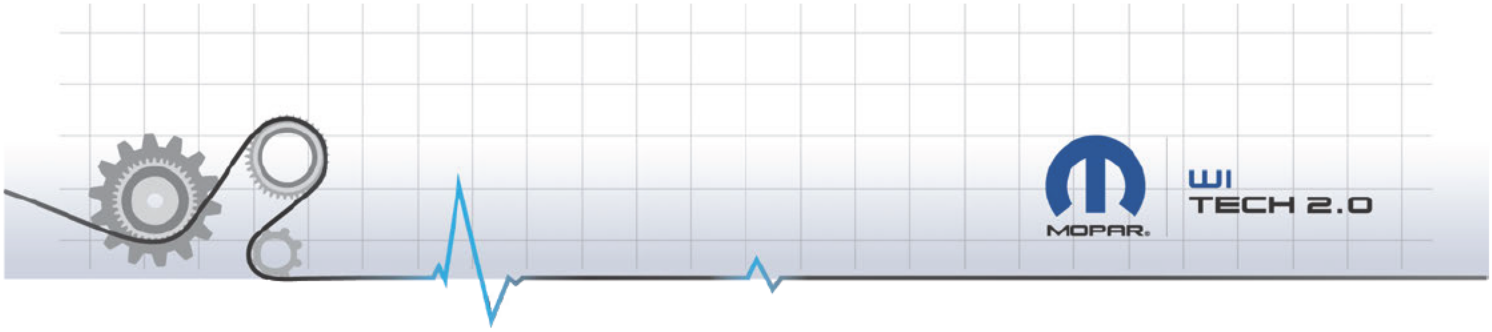
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CONFIGURATION REPORT

Vehicle 2020 CHRYSLER PACIFICA (PHEV) 3.6L V6 HYBRID ENGINE
VIN [redacted]

Odometer 7349.7 miles
Publication Date Nov 5, 2021, 9:39:56 AM

ECU SUMMARY INFO

ECU	NAME	BUS TYPE	FLASH PART #	[redacted]	PART #
PCM	Powertrain Control Module	CAN-C	68444228AE		68444228AE
ICS	Integrated Center Stack	CAN-I	6UX621X8AA		6UX621X8AA
RFH	Radio Frequency Hub	CAN-C	68453559AB		68453559AB
ESM	Electronic Shifter	CAN-C	68240089AM		68240089AM
ORC	Occupant Restraint	CAN-C	68453076AD		68453076AD
EPS	Electric Power Steering	CAN-C	68460392AA		68460392AA
HVAC	Heat, Ventilation and A/C	CAN-I	68447893AC		68447893AC
DDM	Driver Door Module	CAN-I	68424449AC		68424449AC
PDM	Passenger Door Module	CAN-I	68424448AC		68424448AC
DMRL	Door Module Rear Left	CAN-I	68225096AG		68225096AG
DMRR	Door Module Rear Right	CAN-I	68225096AG		68225096AG
PSDML	Power Sliding Doors (Left)	CAN-I	68369596AD		68369596AD
PSDMR	Power Sliding Doors (Right)	CAN-I	68369596AD		68369596AD
MSM	Memory Seat Module	CAN-I	68321862AC		68321862AC
PLGM	Power Liftgate	CAN-I	68316094AF		68316094AF
CSWM	Comfort Seat Wheel Module	CAN-I	68434912AC		68434912AC
AMP	Amplifier	CAN-I	68448067AA		68448067AA
IPC	Instrument Panel Cluster	CAN-C	68434956AC		68434956AC
PTS	Parktronics	CAN-C	68193775AJ		68193775AJ
SCCM	Steering Column Control Module	CAN-C	68360889AD		68360889AD
BCM	Body Controller	CAN-C	68424601AE		68424601AE

ACC	Adaptive Cruise Control	CAN-C	68417813AF		68417813AF
RADIO	Radio	CAN-I	68461768AD		68461768AD
OCM	Occupant Classification	CAN-C	68403127AA		68403127AA
HVACR	Heat, Ventilation and A/C Rear	CAN-I	68373079AB		68373079AB
LBSS	Left Blind Spot Sensor	CAN-I	04672786AB		04672786AB
RBSS	Right Blind Spot Sensor	CAN-I	04672786AB		04672786AB
FFCM	Forward Facing Camera Module	CAN-C	68493395AA		68493395AA
EDM	External Disc Module	CAN-I	68378304AA		68378304AA
APM	Accessory Power Module	CAN-C	05185046AB		05185046AB
BPCM	Battery Pack Control Module	CAN-C	05193166AF		05193166AF
HCP	Hybrid Control Processor	CAN-C	05190265AF		05190265AF
OBCM	On Board Charging Module	CAN-C	05185047AE		05185047AE
MSMP	Memory Seat Module - Passenger	CAN-I	68321862AC		68321862AC
DSM	Display Screen Module	CAN-I	68316174AC		68316174AC
VRM	Video Routing Module	CAN-I	68376134AG		68376134AG
RCCC	Rear Cabin Comfort Controls	CAN-I	6WL30DX9AA		6WL30DX9AA
CVPM	Central vision processing module	CAN-I	68375113AB		68375113AB
EAC	Electric A/C Compressor	CAN-C	68237995AG		68237995AG
AHCP	Auxiliary Hybrid Control Processor	CAN-C	05190266AF		05190266AF
EBBM	Electronic Brake Booster Module	CAN-C	68461813AB		68461813AB
ABSO	Anti Lock Brakes OBD	CAN-C	68471122AD		68471122AD
SGW	Security Gateway Module	CAN-C	68447193AB		68447193AB

ECU SUMMARY INFO (CONT...)

ECU	COUNTRY CODE	HARDWARE VERSION	SOFTWARE VERSION	IDENT	CVNS
PCM	USA	1B 47	46 03 01	4419	31D751B0
ICS	USA	0F 0C 00	12 25 00	4700	
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	13 27 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	13 2C 90	4415	
ACC	USA / USA	14 12 01	14 1D 01	4400	
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	
FFCM	USA / USA	11 06 00	13 1E 00	4102	
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 17 00	4005	D721612D
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	
CVPM	USA / USA	11 32 01	12 33 00	4003	
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	
Remote Start Present	Present	
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	
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	False	
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 WI4 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	True	
Dual Stage Oil Pump Equipped	True	
2.4 Liter WI4 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 WI4 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	True	
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	True	
Dynamic Steering Torque Feature Active	True	
Lane Feedback Feature Active	True	

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

AMP CONFIGURATION

NAME	VALUE	UNITS
Current ANC Calibration ID - Service	RU PHEV 3.6L: Tripane Sunroof & Harman AMP	
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	
Teen Key Present	False	
Sub-EQ Set Selected	Sub-EQ#2 Selected	
Cabin Equalization Curve Number	53	
Surround Sound Activated	Not Set	
ANC Calibration Date - Year	18	
ANC Calibration Date - Week	45	
ANC Calibration Date - Patch Level	2	
Door Module - Right Rear	Present	
Door Module - Left Front	Present	
Door Module - Left Rear	Present	
Door Module - Right Front	Present	

IPC CONFIGURATION

NAME	VALUE	UNITS
PHEV	True	
Rear Fog Lamp	False	

PTS CONFIGURATION

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

SCCM CONFIGURATION

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

BCM CONFIGURATION

NAME	VALUE	UNITS
Number of Reprogramming Attempts - Counter #0	0	
Vehicle Configuration Programmed Status	True	
Last Programmed Status	Manufacturing	
ECU Configuration 10	10	
Vehicle Config CSM1	10	
ECU Configuration 11	10	
ECU Configuration 6 (Brake)	10	
ECU Configuration 5 (Wireless)	10	
Programmed ECUs: P/T Chassis Network	10	

ECU Configuration 15 (Suspension)	10	
Programmed ECUs: Hybrid LAN Network	0	
ECU Configuration 8 (LIN and Miscellaneous)	10	
ECU Configuration 9A	10	
Vehicle Configuration 2 - Write Counter	10	
Vehicle Configuration 7 - Write Counter	10	
ECU Configuration 6 (Safety)	10	
ECU Configuration 2 (CBC Features)	10	
Vehicle Configuration 5 - Write Counter	10	
Programmed ECUs: Cabin Network	10	
Vehicle Configuration Auto Write Counter	1	
ECU Configuration 3	10	
ECU Configuration 7 (CBC Exterior Lighting Calibrations)	10	
ECU Configuration 12	10	
ECU Configuration 9 (ITM)	10	
ECU Configuration 1 (CBC Configurable Inputs and Outputs)	10	
ECU Configuration 14	10	
Vehicle Configuration 6 - Write Counter	10	
ECU Configuration 13	10	
ECU Configuration 5 (Memory)	10	
Vehicle Config CSM2	10	
ECU Configuration 15 (CBC Features)	10	
Programmed Network Configuration - Audio / Telematics Network	0	
Vehicle Configuration 4 - Write Counter	10	
ECU Configuration 6 (Powertrain)	10	
ECU Configuration 6 (Suspension)	10	
ECU Configuration 5 (Doors)	10	
ECU Configuration 4	10	
Vehicle Configuration 3 - Write Counter	10	
Last Configuration Odometer	0	miles
Vehicle Configuration 1 - Write Counter	10	
Emode Present	Not Set	
PTS Configuration	Semi Automatic / Semi Automatic	
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	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	Not Set	
Max Load Inflation Pressure Front Tire	36.0	PSI
Off Road Capable	Not Set	
Air Conditioning Present	Not Set	
Rain Sensor Present	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	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	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	Not 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	HaLF	
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	Set	
CHMSL Lamp Output Disable	Not Set	
Conncetor 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	Set	
ANC Calibration Parameter Data Set	Harman Amplified 3.6L PHEV Sunroof	
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	Set	
Park Assist Tuning Set	BUX Front and Rear Only	
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	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	Set	
PCM	Set	
PTS	Set	
EPS	Set	
RFH	Set	
AHLM	Not Set	
ESL	Not Set	
FFCM	Set	
ABSO	Set	
OCM	Set	
ABS	Not Set	
TCM	Not Set	
HCP	Set	
Accessory Delay Time	45	seconds
Sliding Door Chime Enable	Set	
Sliding Door Alert	Not Set	
Auto Unlock	Set	
Headlamps on with Wipers	Set	
Flash Lamps on Lock	Set	
Daytime Running Lamps	Set	
Auto Wipers	Set	
Sound Horn On Lock Status	Chirp on 1st press/FIRST	
Hands Free Sliding Door Enable	Set	
Sound Horn on Remote Start	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	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	Not Set	

RADIO CONFIGURATION

NAME	VALUE	UNITS
Compass on the bus messaging Authorization	Allowed	
GPS on the Bus messaging Authorization	Allowed	
Satellite Subscription Suspend Day	18	
Satellite Subscription Reason Code	02	
Satellite Subscription Suspend Year	1A	
Satellite Subscription Suspend Month	0A	
Satellite Subscription Status	Subscribed	
Satellite Subscription ID	WXH8GDH0	
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	

FFCM CONFIGURATION

NAME	VALUE	UNITS
Traceability info	02201749644614	
Traceability info	22201740019504	
XCP Enabled	False	
HIL mode Enabled	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	
Comfot 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	
VES	False	
VRM	False	
E-Mode Feature Present	False	
Remote Start Present	False	
Vehicle Line	RU	
Body Style	Station Wagon	
Left/Right Hand Drive	Not Programmed	
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 [redacted]

Odometer 7349.7 miles
Publication Date Nov 5, 2021, 9:39:38 AM

ECU SUMMARY INFO

ECU	NAME	BUS TYPE	FLASH PART #	[redacted]	PART #
PCM	Powertrain Control Module	CAN-C	68444228AE		68444228AE
ICS	Integrated Center Stack	CAN-I	6UX621X8AA		6UX621X8AA
RFH	Radio Frequency Hub	CAN-C	68453559AB		68453559AB
ESM	Electronic Shifter	CAN-C	68240089AM		68240089AM
ORC	Occupant Restraint	CAN-C	68453076AD		68453076AD
EPS	Electric Power Steering	CAN-C	68460392AA		68460392AA
HVAC	Heat, Ventilation and A/C	CAN-I	68447893AC		68447893AC
DDM	Driver Door Module	CAN-I	68424449AC		68424449AC
PDM	Passenger Door Module	CAN-I	68424448AC		68424448AC
DMRL	Door Module Rear Left	CAN-I	68225096AG		68225096AG
DMRR	Door Module Rear Right	CAN-I	68225096AG		68225096AG
PSDML	Power Sliding Doors (Left)	CAN-I	68369596AD		68369596AD
PSDMR	Power Sliding Doors (Right)	CAN-I	68369596AD		68369596AD
MSM	Memory Seat Module	CAN-I	68321862AC		68321862AC
PLGM	Power Liftgate	CAN-I	68316094AF		68316094AF
CSWM	Comfort Seat Wheel Module	CAN-I	68434912AC		68434912AC
AMP	Amplifier	CAN-I	68448067AA		68448067AA
IPC	Instrument Panel Cluster	CAN-C	68434956AC		68434956AC
PTS	Parktronics	CAN-C	68193775AJ		68193775AJ
SCCM	Steering Column Control Module	CAN-C	68360889AD		68360889AD
BCM	Body Controller	CAN-C	68424601AE		68424601AE

ACC	Adaptive Cruise Control	CAN-C	68417813AF		68417813AF
RADIO	Radio	CAN-I	68461768AD		68461768AD
OCM	Occupant Classification	CAN-C	68403127AA		68403127AA
HVACR	Heat, Ventilation and A/C Rear	CAN-I	68373079AB		68373079AB
LBSS	Left Blind Spot Sensor	CAN-I	04672786AB		04672786AB
RBSS	Right Blind Spot Sensor	CAN-I	04672786AB		04672786AB
FFCM	Forward Facing Camera Module	CAN-C	68493395AA		68493395AA
EDM	External Disc Module	CAN-I	68378304AA		68378304AA
APM	Accessory Power Module	CAN-C	05185046AB		05185046AB
BPCM	Battery Pack Control Module	CAN-C	05193166AF		05193166AF
HCP	Hybrid Control Processor	CAN-C	05190265AF		05190265AF
OBCM	On Board Charging Module	CAN-C	05185047AE		05185047AE
MSMP	Memory Seat Module - Passenger	CAN-I	68321862AC		68321862AC
DSM	Display Screen Module	CAN-I	68316174AC		68316174AC
VRM	Video Routing Module	CAN-I	68376134AG		68376134AG
RCCC	Rear Cabin Comfort Controls	CAN-I	6WL30DX9AA		6WL30DX9AA
CVPM	Central vision processing module	CAN-I	68375113AB		68375113AB
EAC	Electric A/C Compressor	CAN-C	68237995AG		68237995AG
AHCP	Auxiliary Hybrid Control Processor	CAN-C	05190266AF		05190266AF
EBBM	Electronic Brake Booster Module	CAN-C	68461813AB		68461813AB
ABSO	Anti Lock Brakes OBD	CAN-C	68471122AD		68471122AD
SGW	Security Gateway Module	CAN-C	68447193AB		68447193AB

ECU SUMMARY INFO (CONT...)

ECU	COUNTRY CODE	HARDWARE VERSION	SOFTWARE VERSION	IDENT	CVNS
PCM	USA	1B 47	46 03 01	4419	31D751B0
ICS	USA	0F 0C 00	12 25 00	4700	
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	13 27 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	13 2C 90	4415	
ACC	USA / USA	14 12 01	14 1D 01	4400	
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	
FFCM	USA / USA	11 06 00	13 1E 00	4102	
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 17 00	4005	D721612D
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	
CVPM	USA / USA	11 32 01	12 33 00	4003	
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
PCM	U0074	Dedicated Powertrain (D-PT) CAN Bus Off	Stored
PCM	P152C	Engine Hood Switch 2 Circuit Range/Performance	Stored
ESM	U0074-00	Dedicated Powertrain (D-PT) CAN Bus Off-	Stored

ORC	U0073-00	Hybrid/EV Bus Off-	Stored
PTS	U0415-00	Invalid Data Received from Anti-Lock Brake System (ABS) Control Module "A"-	Active
ACC	C2227-00	ABS Disabled ECU-	Active
ACC	U0415-00	Invalid Data Received from Anti-Lock Brake System (ABS) Control Module "A"-	Active
RADIO	U0002-00	CAN C Bus Off Performance-	Stored
APM	U0074-00	Dedicated Powertrain (D-PT) CAN Bus Off-	Stored
BPCM	U0074-00	Dedicated Powertrain (D-PT) CAN Bus Off-	Stored
BPCM	U0293-00	Lost Communication with Hybrid Control Module "A"-	Stored
BPCM	U0594-00	Implausible Data Received From Hybrid Control Module "A"-	Stored
HCP	P0C2F-00	Internal Control Module Drive Motor/Generator - Engine Speed Sensor Performance-	Active
HCP	U0073-00	Hybrid/EV Bus Off-	Stored
HCP	U1817-00	Lost Communication With Hybrid Powertrain Control Module on D-PT-	Stored
HCP	U1818-00	Lost Communication With ECM/PCM on D-PT CAN-	Stored
HCP	U1852-00	Implausible Data Received from ABS on D-PT-	Active
EBBM	U1852-00	Implausible Data Received from ABS on D-PT-	Active
EBBM	U0074-00	Dedicated Powertrain (D-PT) CAN Bus Off-	Stored
ABSO	C0044-00	Brake Pressure Sensor 1-	Active
ABSO	U1822-00	Lost Communication with EBBM on D-PT CAN-	Active
ABSO	U1817-00	Lost Communication With Hybrid Powertrain Control Module on D-PT-	Active
ABSO	U0074-00	Dedicated Powertrain (D-PT) CAN Bus Off-	Stored

ENVIRONMENTAL DATA SUMMARY

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

NAME	VALUE	UNITS
Number of DTC	1	
DTC	C0 74	
DTC Readiness Flag	Not Complete	
DTC Storage State	Stored	
Warning Indicator Request State	On	
Odometer	7341.1	miles
Accumulation Timer	0	minutes
Ignition Key Cycles	0	
Starts Since Set Counter	0	
Key Cycles Since DTC Last Set Counter	0	
Warm Up Cycles	0	
Good Trip Counter	0	

PCM | P152C | Stored | Engine Hood Switch 2 Circuit Range/Performance

NAME	VALUE	UNITS
Number of DTC	0	
DTC		
DTC Readiness Flag		
DTC Storage State		

Warning Indicator Request State		
Odometer		miles
Accumulation Timer		minutes
Ignition Key Cycles		
Starts Since Set Counter		
Key Cycles Since DTC Last Set Counter		
Warm Up Cycles		
Good Trip Counter		

ESM | 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	True	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
Occurrence flag	Occurrence	
Original Odometer Value	7347	miles
Most Recent Odometer Value	7347	miles
Frequency Counter	1	
Ignition Cycle Counter	1	
Ignition Status	Ignition Run	
Operating Voltage	14.2	Volts
Operation Time	20024	Min

ORC | U0073-00 | Stored | Hybrid/EV Bus Off-

NAME	VALUE	UNITS
Test Failed	False	
Test Failed This Operation Cycle	True	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
Occurrence flag	Error	
Original Odometer Value	7347	miles
Most Recent Odometer Value	7347	miles
Frequency Counter	1	
Operation Cycle Counter	1	

DTC Extended Data Record Number - All	FF	

PTS | U0415-00 | Active | Invalid Data Received from Anti-Lock Brake System (ABS) Control Module "A"-

NAME	VALUE	UNITS
DTC	C4 15 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	03	
Occurrence flag	Occurrence	
Original Odometer Value	7347	miles
Most Recent Odometer Value	7347	miles
Frequency Counter	1	
DC/DC Converter Voltage	85	Volt

ACC | C2227-00 | Active | ABS Disabled ECU-

NAME	VALUE	UNITS
Test Failed	True	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	True	
Occurrence flag	Error	
Original Odometer Value	7347	miles
Most Recent Odometer Value	7347	miles
Frequency Counter	1	
Operation Cycle Counter	0	
Vehicle Speed	2	MPH
Engine RPM	1152	rpm
ACC Set Speed	0	MPH
Object of Interest Distance	830	FEET
Engine Torque Request	SNA	Ft-Lbs
PRNDL Status	D range	
Ignition Voltage	14.1	
System Voltage	14.2	Volts

ACC | U0415-00 | Active | Invalid Data Received from Anti-Lock Brake System (ABS) Control Module "A"-

NAME	VALUE	UNITS
Test Failed	True	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	True	
Occurrence flag	Error	
Original Odometer Value	7347	miles
Most Recent Odometer Value	7347	miles
Frequency Counter	1	
Operation Cycle Counter	0	
Vehicle Speed	2	MPH
Engine RPM	1152	rpm
ACC Set Speed	0	MPH
Object of Interest Distance	830	FEET
Engine Torque Request	SNA	Ft-Lbs
PRNDL Status	D range	
Ignition Voltage	14.1	
System Voltage	14.2	Volts

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

NAME	VALUE	UNITS
DTCTable	C0 02 00	
TestFailed	False	
TestFailedThisMonitoringCycle	True	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed This Monitoring Cycle	False	
Warning Indicator Requested	False	
DTCExtendedDataRecordNumber	FF	
Occurance Flag	Occurrence	
Reserved	Reserved	
Original Odometer Value	7347	miles
Most Recent Odometer Value	7347	miles
Frequency Counter	1	
Ignition Counter	0	
RDI $6080	60 80	
Event Counter	64	

APM | 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	True	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
Occurrence flag	Error	
Original Odometer Value	7347	miles
Most Recent Odometer Value	7347	miles
Frequency Counter	1	
Ignition Cycle Counter	1	
APM High Voltage DC Current Set Point	7.0000	AMP
APM Low Voltage DC Current Set Point	100.0000	AMP
HCP Commanded APM Operating Mode	Buck_CV	
APM High Voltage DC Voltage Set Point	14.0000	Volt
APM Low Voltage DC Voltage Set Point	14.56	Volt
APM Operation Mode Status Reported from APM	Buck_CV	
APM Derating Mode Status	No de-rating	
APM Derating Reason	Default(Normal Operation)	
APM Failure Mode Status	No failure	
APM Failure Reason	Failure because of short circuit at LV / Failure9	
Low voltage battery voltage from HCP	14.3200	Volt

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

NAME	VALUE	UNITS
Frequency Counter	1	
Ignition Cycle Counter	1	
FoM - for this DTC (lifetime fails)	18	events
FoM - for this DTC (lifetime fails counts on pass)	69.9600	seconds
FoM - for this DTC (lifetime longest fail on pass)	0.180	seconds
Battery Total Time Awake	38638880	seconds
Key in Ignition	Key_Def	
Key Position	Ign_ Run	
EPT -WakeUp	Sourced	
HCP Contactor Command	Closed	
Qualified Contactor Command - QCC	Closed	
Verified Contactor Command - VCC	Closed Unrestricted	
Contactor Status	Closed	
Plug in Status	Not plugged in	
ChargingLevel	Plug in, but no charge	

Balance Mode	False	
Battery in Periodic wake up (Just battery) at time of Fault	False	
Battery in Periodic wake up (Wake up vehicle) at time of Fault	False	
Vehicle mileage at time of fault (ODO signal in $3D2)	7349.56	miles
Battery Lifetime Miles	65ADA0	miles
Vehicle Speed	FE	MPH
System (12) Volts at time of fault	14.433	Volts
Battery Lifetime AmpHrs of Charge	6646.1	AHr
Battery Lifetime AmpHrs of DisCharge	6629.5	AHr
SOC at time of Fault	48.6	%
Power Up SOC at time of Fault	39.6	%
HVIL Status -Vehicle	PASS	
HVIL Status - Battery pack	PASS	
HVIL PWM Duty Cycle - Vehicle	50.2	%
HVIL PWM Frequency - Vehicle	87.9	Hz
HVIL PWM peak voltage Sourced - Vehicle	13.332	Volts
HVIL PWM peak voltage Sensed - Vehicle	13.250	Volts
HVIL Source Voltage- Battery	1.377	Volts
HVIL Returned current - Battery	30.40	mA
HV Battery Current Sensor 1 Hall High	3.40	Amps
HV Battery Current Sensor 2 Hall Low	4.85	Amps
HV Battery Current HVBatCrnt	5.00	Amps
HV Cooling Speed Pump 1 Target	0	rpm
HV Cooling Speed pump 1 Speed	0	rpm
Charge indicator Temp	66	°F
BPCM temperature max	68	°F
BPCM temperature min	68	°F
Pump - Wire Open\Short to Gnd	PASS	
Pump - Dry Run Detection	PASS	
Pump - Overcurrent	PASS	
Pump - Overtemperature	PASS	
Pump - Switch Power Shorted	PASS	
Isolation Circuitry Va	2.548	Volts
Isolation Circuitry Vb	2.501	Volts
Isolation Circuitry Vd	0.000	Volts
WC and Circuitry 2.5V Reference Voltage	2.498	Volts
WC and Circuitry Vcc Voltage	5.026	Volts
WC and CircuitryISO 8V Reference Voltage	7.971	Volts
WC and Circuitry Weld Contactor Sensor G (Pack Negative) Voltage	-0.6	Volts
Cycles left to self heal	40	No Unit
Fault trigger level 1	False	
Fault trigger level 2	False	
Fault trigger level 3	False	
Fault Path	01	

HV Battery Charge Power 2sec	94878	watts
HV Battery Charge Power 10sec	93285	watts
HV Battery Discharge Power 2sec	94878	watts
HV Battery Discharge Power 10sec	93039	watts
HV Battery Power	0075E0	watts
Key - DriveRdy (CAN)	True	
Battery Lifetime Number Of Closes	1392	
Battery Full AmpHr Capacity	46	AmpHrs
Cell Impedance Max Discharge	0	mOhms
Cell Impedance Mim Discharge	0	mOhms
Battery Cell Voltage Maximum	3667	mV
Battery Cell Voltage Minimum	3657	mV
Battery Cell Voltage Average	3661	mV
Battery Cell Highest Cell number	95	
Battery Cell Lowest Cell number	34	
HV Battery Voltage (cell sum)	351.50	Volts
HV Battery Voltage (Module Sum)	351.10	Volts
HV Sensor A Pack Voltage	351.30	Volts
HV Sensor B Bus\Link (Pre-Fuse) Voltage	351.50	Volts
HV Sensor C OBCM (HVOBC Fuse) Voltage	351.50	Volts
HV Sensor D Heater (HVHTR Fuse) Voltage	351.30	Volts
HV Sensor G Weld Contactor(Pack Negative) Voltage	-0.6	Volts
Battery Temperature Maximum Module	68	°F
Battery Temperature Minimum Module	68	°F
Battery Temperature Average Module	68	°F
Battery Temperature Highest Sensor number	11	
Battery Temperature Lowest Sensor number	05	
Battery Temperature Number of Failing Sensors	00	
HV Cooling Pump Relay Drive	Not Sourced	
HV Cooling Battery coolant inlet temp	68	°F
HV Cooling Battery coolant outlet temp	70	°F
HV Cooling OBCM temp inlet Temp	100	°F
Pump - Battery Coolant Level Low	False	
Isolation Vehicle Diagnostic Status	Run and Passed	
Isolation Vehicle Impedance	7.2680	Mega Ohms
Isolation Battery Diagnostic Status	Run and Passed	
Isolation Battery Impedance	0.8480	Mega Ohms
HV Bat SOH-R	99.2	%
HV Bat SOH-C	89.0	%
BPCM Sec Asic Reset Req	Not Active	
BPCM Sec QA Error Counter	0	cnts
BPCM Sec MM Hw Reset Error Counter	0	cnts
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 L2 ASIC Diagnostic Flt Rsn	ADCTest	
BPCM Sec HW Timer Status	Not Active	
BPCM Sec Contactor State	Close	
BPCM Main HW Timer Status	Not Active	
BPCM Sec Asic Fault State	NOTASSERTED	
BPCM L2 SM Hw Reset Error Counter	0	No Unit
Engine Speed	0	rpm
Accelerator position	7.8	%
Real time clock	429496.7295	seconds
Real time clock-OS Task Delay Timer	1	
Real Time Clock Validity	True	
DTC	C0 74 00	
Test Failed	False	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number - All	01	
Occurrence flag	Error	
Original Odometer Value	7347	miles
Most Recent Odometer Value	7347	miles
DTC Extended Data Record Number - 2	A5	

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

NAME	VALUE	UNITS
Frequency Counter	1	
Ignition Cycle Counter	1	
FoM - for this DTC (lifetime fails)	22	events
FoM - for this DTC (lifetime fails counts on pass)	0.0000	seconds
FoM - for this DTC (lifetime longest fail on pass)	0.000	seconds
Battery Total Time Awake	38638880	seconds
Key in Ignition	Key_Def	
Key Position	Ign_ Run	
EPT -WakeUp	Sourced	
HCP Contactor Command	Closed	
Qualified Contactor Command - QCC	Closed	
Verified Contactor Command - VCC	Closed Unrestricted	
Contactor Status	Closed	

Plug in Status	Not plugged in	
ChargingLevel	Plug in, but no charge	
Balance Mode	False	
Battery in Periodic wake up (Just battery) at time of Fault	False	
Battery in Periodic wake up (Wake up vehicle) at time of Fault	False	
Vehicle mileage at time of fault (ODO signal in $3D2)	7349.56	miles
Battery Lifetime Miles	65ADA0	miles
Vehicle Speed	FE	MPH
System (12) Volts at time of fault	14.418	Volts
Battery Lifetime AmpHrs of Charge	6646.1	AHr
Battery Lifetime AmpHrs of DisCharge	6629.5	AHr
SOC at time of Fault	48.6	%
Power Up SOC at time of Fault	39.6	%
HVIL Status -Vehicle	PASS	
HVIL Status - Battery pack	PASS	
HVIL PWM Duty Cycle - Vehicle	50.2	%
HVIL PWM Frequency - Vehicle	87.9	Hz
HVIL PWM peak voltage Sourced - Vehicle	13.157	Volts
HVIL PWM peak voltage Sensed - Vehicle	13.064	Volts
HVIL Source Voltage- Battery	1.377	Volts
HVIL Returned current - Battery	30.40	mA
HV Battery Current Sensor 1 Hall High	4.25	Amps
HV Battery Current Sensor 2 Hall Low	5.05	Amps
HV Battery Current HVBatCrnt	4.85	Amps
HV Cooling Speed Pump 1 Target	0	rpm
HV Cooling Speed pump 1 Speed	0	rpm
Charge indicator Temp	66	°F
BPCM temperature max	68	°F
BPCM temperature min	68	°F
Pump - Wire Open\Short to Gnd	PASS	
Pump - Dry Run Detection	PASS	
Pump - Overcurrent	PASS	
Pump - Overtemperature	PASS	
Pump - Switch Power Shorted	PASS	
Isolation Circuitry Va	2.548	Volts
Isolation Circuitry Vb	2.501	Volts
Isolation Circuitry Vd	0.000	Volts
WC and Circuitry 2.5V Reference Voltage	2.498	Volts
WC and Circuitry Vcc Voltage	5.026	Volts
WC and CircuitryISO 8V Reference Voltage	7.971	Volts
WC and Circuitry Weld Contactor Sensor G (Pack Negative) Voltage	-0.6	Volts
Cycles left to self heal	40	No Unit
Fault trigger level 1	False	
Fault trigger level 2	False	

Fault trigger level 3	False	
Fault Path	01	
HV Battery Charge Power 2sec	94878	watts
HV Battery Charge Power 10sec	93285	watts
HV Battery Discharge Power 2sec	94878	watts
HV Battery Discharge Power 10sec	93039	watts
HV Battery Power	0075DA	watts
Key - DriveRdy (CAN)	True	
Battery Lifetime Number Of Closes	1392	
Battery Full AmpHr Capacity	46	AmpHrs
Cell Impedance Max Discharge	0	mOhms
Cell Impedance Mim Discharge	0	mOhms
Battery Cell Voltage Maximum	3668	mV
Battery Cell Voltage Minimum	3658	mV
Battery Cell Voltage Average	3661	mV
Battery Cell Highest Cell number	93	
Battery Cell Lowest Cell number	34	
HV Battery Voltage (cell sum)	351.50	Volts
HV Battery Voltage (Module Sum)	351.10	Volts
HV Sensor A Pack Voltage	351.30	Volts
HV Sensor B Bus\Link (Pre-Fuse) Voltage	351.50	Volts
HV Sensor C OBCM (HVOBC Fuse) Voltage	351.50	Volts
HV Sensor D Heater (HVHTR Fuse) Voltage	351.30	Volts
HV Sensor G Weld Contactor(Pack Negative) Voltage	-0.6	Volts
Battery Temperature Maximum Module	68	°F
Battery Temperature Minimum Module	68	°F
Battery Temperature Average Module	68	°F
Battery Temperature Highest Sensor number	11	
Battery Temperature Lowest Sensor number	05	
Battery Temperature Number of Failing Sensors	00	
HV Cooling Pump Relay Drive	Not Sourced	
HV Cooling Battery coolant inlet temp	68	°F
HV Cooling Battery coolant outlet temp	70	°F
HV Cooling OBCM temp inlet Temp	100	°F
Pump - Battery Coolant Level Low	False	
Isolation Vehicle Diagnostic Status	Run and Passed	
Isolation Vehicle Impedance	7.2680	Mega Ohms
Isolation Battery Diagnostic Status	Run and Passed	
Isolation Battery Impedance	0.8480	Mega Ohms
HV Bat SOH-R	99.2	%
HV Bat SOH-C	89.0	%
BPCM Sec Asic Reset Req	Not Active	
BPCM Sec QA Error Counter	0	cnts
BPCM Sec MM Hw Reset Error Counter	0	cnts

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 L2 ASIC Diagnostic Flt Rsn	ADCTest	
BPCM Sec HW Timer Status	Not Active	
BPCM Sec Contactor State	Close	
BPCM Main HW Timer Status	Not Active	
BPCM Sec Asic Fault State	NOTASSERTED	
BPCM L2 SM Hw Reset Error Counter	0	No Unit
Engine Speed	0	rpm
Accelerator position	7.8	%
Real time clock	429496.7295	seconds
Real time clock-OS Task Delay Timer	1	
Real Time Clock Validity	True	
DTC	C2 93 00	
Test Failed	False	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number - All	01	
Occurrence flag	Error	
Original Odometer Value	7347	miles
Most Recent Odometer Value	7347	miles
DTC Extended Data Record Number - 2	A8	

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

NAME	VALUE	UNITS
Frequency Counter	1	
Ignition Cycle Counter	1	
FoM - for this DTC (lifetime fails)	8	events
FoM - for this DTC (lifetime fails counts on pass)	0.0000	seconds
FoM - for this DTC (lifetime longest fail on pass)	0.000	seconds
Battery Total Time Awake	38638880	seconds
Key in Ignition	Key_Def	
Key Position	Ign_ Run	
EPT -WakeUp	Sourced	
HCP Contactor Command	Closed	
Qualified Contactor Command - QCC	Closed	

Verified Contactor Command - VCC	Closed Restricted	
Contactor Status	Closed	
Plug in Status	Not plugged in	
ChargingLevel	Plug in, but no charge	
Balance Mode	False	
Battery in Periodic wake up (Just battery) at time of Fault	False	
Battery in Periodic wake up (Wake up vehicle) at time of Fault	False	
Vehicle mileage at time of fault (ODO signal in $3D2)	7349.56	miles
Battery Lifetime Miles	65ADA0	miles
Vehicle Speed	FE	MPH
System (12) Volts at time of fault	14.433	Volts
Battery Lifetime AmpHrs of Charge	6646.1	AHr
Battery Lifetime AmpHrs of DisCharge	6629.5	AHr
SOC at time of Fault	48.6	%
Power Up SOC at time of Fault	39.6	%
HVIL Status -Vehicle	PASS	
HVIL Status - Battery pack	PASS	
HVIL PWM Duty Cycle - Vehicle	50.2	%
HVIL PWM Frequency - Vehicle	87.9	Hz
HVIL PWM peak voltage Sourced - Vehicle	13.135	Volts
HVIL PWM peak voltage Sensed - Vehicle	13.075	Volts
HVIL Source Voltage- Battery	1.370	Volts
HVIL Returned current - Battery	30.40	mA
HV Battery Current Sensor 1 Hall High	1.90	Amps
HV Battery Current Sensor 2 Hall Low	4.80	Amps
HV Battery Current HVBatCrnt	5.00	Amps
HV Cooling Speed Pump 1 Target	0	rpm
HV Cooling Speed pump 1 Speed	0	rpm
Charge indicator Temp	66	°F
BPCM temperature max	68	°F
BPCM temperature min	68	°F
Pump - Wire Open\Short to Gnd	PASS	
Pump - Dry Run Detection	PASS	
Pump - Overcurrent	PASS	
Pump - Overtemperature	PASS	
Pump - Switch Power Shorted	PASS	
Isolation Circuitry Va	2.548	Volts
Isolation Circuitry Vb	2.501	Volts
Isolation Circuitry Vd	0.000	Volts
WC and Circuitry 2.5V Reference Voltage	2.498	Volts
WC and Circuitry Vcc Voltage	5.026	Volts
WC and CircuitryISO 8V Reference Voltage	7.971	Volts
WC and Circuitry Weld Contactor Sensor G (Pack Negative) Voltage	-0.6	Volts
Cycles left to self heal	40	No Unit

Fault trigger level 1	False	
Fault trigger level 2	False	
Fault trigger level 3	False	
Fault Path	01	
HV Battery Charge Power 2sec	94878	watts
HV Battery Charge Power 10sec	93285	watts
HV Battery Discharge Power 2sec	94878	watts
HV Battery Discharge Power 10sec	93039	watts
HV Battery Power	0075E0	watts
Key - DriveRdy (CAN)	True	
Battery Lifetime Number Of Closes	1392	
Battery Full AmpHr Capacity	46	AmpHrs
Cell Impedance Max Discharge	0	mOhms
Cell Impedance Mim Discharge	0	mOhms
Battery Cell Voltage Maximum	3668	mV
Battery Cell Voltage Minimum	3658	mV
Battery Cell Voltage Average	3661	mV
Battery Cell Highest Cell number	93	
Battery Cell Lowest Cell number	34	
HV Battery Voltage (cell sum)	351.50	Volts
HV Battery Voltage (Module Sum)	351.10	Volts
HV Sensor A Pack Voltage	351.30	Volts
HV Sensor B Bus\Link (Pre-Fuse) Voltage	351.50	Volts
HV Sensor C OBCM (HVOBC Fuse) Voltage	351.50	Volts
HV Sensor D Heater (HVHTR Fuse) Voltage	351.30	Volts
HV Sensor G Weld Contactor(Pack Negative) Voltage	-0.6	Volts
Battery Temperature Maximum Module	68	°F
Battery Temperature Minimum Module	68	°F
Battery Temperature Average Module	68	°F
Battery Temperature Highest Sensor number	11	
Battery Temperature Lowest Sensor number	05	
Battery Temperature Number of Failing Sensors	00	
HV Cooling Pump Relay Drive	Not Sourced	
HV Cooling Battery coolant inlet temp	68	°F
HV Cooling Battery coolant outlet temp	70	°F
HV Cooling OBCM temp inlet Temp	100	°F
Pump - Battery Coolant Level Low	False	
Isolation Vehicle Diagnostic Status	Run and Passed	
Isolation Vehicle Impedance	7.2680	Mega Ohms
Isolation Battery Diagnostic Status	Run and Passed	
Isolation Battery Impedance	0.8480	Mega Ohms
HV Bat SOH-R	99.2	%
HV Bat SOH-C	89.0	%
BPCM Sec Asic Reset Req	Not Active	

BPCM Sec QA Error Counter	0	cnts
BPCM Sec MM Hw Reset Error Counter	0	cnts
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 L2 ASIC Diagnostic Flt Rsn	ADCTest	
BPCM Sec HW Timer Status	Not Active	
BPCM Sec Contactor State	Close	
BPCM Main HW Timer Status	Not Active	
BPCM Sec Asic Fault State	NOTASSERTED	
BPCM L2 SM Hw Reset Error Counter	0	No Unit
Engine Speed	0	rpm
Accelerator position	7.8	%
Real time clock	429496.7295	seconds
Real time clock-OS Task Delay Timer	1	
Real Time Clock Validity	True	
DTC	C5 94 00	
Test Failed	False	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number - All	01	
Occurrence flag	Error	
Original Odometer Value	7347	miles
Most Recent Odometer Value	7347	miles
DTC Extended Data Record Number - 2	AB	

HCP | P0C2F-00 | Active | Internal Control Module Drive Motor/Generator - Engine Speed Sensor Performance-

NAME	VALUE	UNITS
DTC	0C 2F 00	
Test Failed	True	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	True	

Occurrence flag	Occurrence	
Original Odometer Value	7349.7	miles
Most Recent Odometer Value	7349.7	miles
Frequency Counter	1	
Ignition Cycle Counter	0	
Real time clock	38638888	sec
RAM stamps keyOn	1305	sec
RAM Stamps	45350	Min
Accelerator Pedal Position	0	%
Brake Switch Status	Not Applied	
Engine Speed	0	rpm
HV Battery SOC	49	%
Ignition State	Reserved	
PRND Position Display	P	
Propulsion System Active	True	
Vehicle Speed	0.0000	MPH
Motor A Temp Sensor	129	°F
Motor B Temp Sensor	93	°F
Barometric Pressure	15	PSI
Engine Coolant Temperature	230	°F
Internal EPS Voltage Sense A	8.208	Volts
Internal EPS Voltage Sense B	8.136	Volts
Motor A Torque	1.383	Ft-Lbs
Motor B Torque	4.425	Ft-Lbs
Actual Torque - Motor A	1.383	Ft-Lbs
Actual Torque - Motor B	4.425	Ft-Lbs
Available Motor Torque - Motor A	85.730	Ft-Lbs
Available Motor Torque - Motor B	232.854	Ft-Lbs
Available Regen Torque - Motor A	-85.730	Ft-Lbs
Available Regen Torque - Motor B	-232.854	Ft-Lbs
Commanded Torque - Motor A	2.028	Ft-Lbs
Commanded Torque - Motor B	5.162	Ft-Lbs
Motor A - Inverter Current - phase A	20	AMP
Motor A - Inverter Current - phase B	-16	AMP
Motor A - Inverter Current - phase C	-8	AMP
Motor B - Inverter Current - phase A	-4	AMP
Motor B - Inverter Current - phase B	12	AMP
Motor B - Inverter Current - phase C	-16	AMP
Motor B Resolver Angle	350	Degree
Motor A Resolver Angle	246	Degree
Electric Motor A Speed	4664.5	rpm
Electric Motor B Speed	4.0	rpm
PIM DC Link Voltage - A	355	Volts
PIM DC Link Voltage - B	353	Volts

HCP ePT Wake-Up Output	On	
CBC Wake-Up Input	Off	
HCP System Shutdown Command	Default	
HV Battery Voltage from BPCM	354.20	Volts
SW Build Release Version	PIM_C19A_2003B0_RU_HCP__	
HCP SW Version	C19A	
EPT LOC Diag Enable	Enable LOC Diagnostic	
HV Contactor Status	Closed	
APM Status	Buck CV	
Impact Event	False	
Outside Air Temperature	73.4	°F
OBCM Operating Mode	UTC	
J1772 Prox Detected State	Prox Out	
HV Battery Sleep Time	0	Days
Battery Feed Voltage 1 Sense	12.600	Volts
Battery Feed Voltage 2 Sense	12.600	Volts
Battery Feed Voltage 3 Sense	12.528	Volts
Hybrid System State	Propulsion System Active	
Inverter A IGBT Temperature for phase A	100	°F
Inverter A IGBT Temperature for phase B	100	°F
Inverter A IGBT Temperature for phase C	100	°F
Inverter B IGBT Temperature for phase A	99	°F
Inverter B IGBT Temperature for phase B	100	°F
Inverter B IGBT Temperature for phase C	99	°F
PHEV Charging Status	No Charging	
Distance Travelled with Light ON	0	miles
GPS Date - Year	0	Year
GPS Date - Month	1	
GPS Date - Day	1	Days
UTC Time - Hours	0	Hours
UTC Time - Minutes	0	
UTC Time - Seconds	0	seconds
ECU Time - Milliseconds	0	ms

HCP | U0073-00 | Stored | Hybrid/EV Bus Off-

NAME	VALUE	UNITS
DTC	C0 73 00	
Test Failed	False	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	

Warning Indicator Requested	True	
Occurrence flag	Occurrence	
Original Odometer Value	7349.7	miles
Most Recent Odometer Value	7349.7	miles
Frequency Counter	3	
Ignition Cycle Counter	0	
Real time clock	38638884	sec
RAM stamps keyOn	1305	sec
RAM Stamps	45350	Min
Accelerator Pedal Position	0	%
Brake Switch Status	Not Applied	
Engine Speed	0	rpm
HV Battery SOC	49	%
Ignition State	Reserved	
PRND Position Display	P	
Propulsion System Active	True	
Vehicle Speed	0.0000	MPH
Motor A Temp Sensor	129	°F
Motor B Temp Sensor	93	°F
Barometric Pressure	15	PSI
Engine Coolant Temperature	176	°F
Internal EPS Voltage Sense A	8.208	Volts
Internal EPS Voltage Sense B	8.136	Volts
Motor A Torque	0.000	Ft-Lbs
Motor B Torque	0.000	Ft-Lbs
Actual Torque - Motor A	0.000	Ft-Lbs
Actual Torque - Motor B	0.000	Ft-Lbs
Available Motor Torque - Motor A	87.205	Ft-Lbs
Available Motor Torque - Motor B	232.301	Ft-Lbs
Available Regen Torque - Motor A	-87.205	Ft-Lbs
Available Regen Torque - Motor B	-232.301	Ft-Lbs
Commanded Torque - Motor A	0.000	Ft-Lbs
Commanded Torque - Motor B	0.000	Ft-Lbs
Motor A - Inverter Current - phase A	0	AMP
Motor A - Inverter Current - phase B	-4	AMP
Motor A - Inverter Current - phase C	-4	AMP
Motor B - Inverter Current - phase A	0	AMP
Motor B - Inverter Current - phase B	0	AMP
Motor B - Inverter Current - phase C	-4	AMP
Motor B Resolver Angle	4	Degree
Motor A Resolver Angle	202	Degree
Electric Motor A Speed	0.0	rpm
Electric Motor B Speed	0.0	rpm
PIM DC Link Voltage - A	356	Volts

PIM DC Link Voltage - B	353	Volts
HCP ePT Wake-Up Output	On	
CBC Wake-Up Input	Off	
HCP System Shutdown Command	Default	
HV Battery Voltage from BPCM	354.30	Volts
SW Build Release Version	PIM_C19A_2003B0_RU_HCP__	
HCP SW Version	C19A	
EPT LOC Diag Enable	Enable LOC Diagnostic	
HV Contactor Status	Closed	
APM Status	Buck CV	
Impact Event	False	
Outside Air Temperature	77.9	°F
OBCM Operating Mode	UTC	
J1772 Prox Detected State	Prox Out	
HV Battery Sleep Time	0	Days
Battery Feed Voltage 1 Sense	13.032	Volts
Battery Feed Voltage 2 Sense	13.032	Volts
Battery Feed Voltage 3 Sense	12.888	Volts
Hybrid System State	Propulsion System Active	
Inverter A IGBT Temperature for phase A	99	°F
Inverter A IGBT Temperature for phase B	99	°F
Inverter A IGBT Temperature for phase C	99	°F
Inverter B IGBT Temperature for phase A	99	°F
Inverter B IGBT Temperature for phase B	99	°F
Inverter B IGBT Temperature for phase C	99	°F
PHEV Charging Status	No Charging	
Distance Travelled with Light ON	0	miles
GPS Date - Year	0	Year
GPS Date - Month	1	
GPS Date - Day	1	Days
UTC Time - Hours	0	Hours
UTC Time - Minutes	0	
UTC Time - Seconds	0	seconds
ECU Time - Milliseconds	0	ms

HCP | U1817-00 | Stored | Lost Communication With Hybrid Powertrain Control Module on D-PT-

NAME	VALUE	UNITS
DTC	D8 17 00	
Test Failed	False	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	

Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	True	
Occurrence flag	Occurrence	
Original Odometer Value	7349.7	miles
Most Recent Odometer Value	7349.7	miles
Frequency Counter	2	
Ignition Cycle Counter	0	
Real time clock	38638884	sec
RAM stamps keyOn	1305	sec
RAM Stamps	45350	Min
Accelerator Pedal Position	0	%
Brake Switch Status	Not Applied	
Engine Speed	0	rpm
HV Battery SOC	49	%
Ignition State	Reserved	
PRND Position Display	P	
Propulsion System Active	True	
Vehicle Speed	0.0000	MPH
Motor A Temp Sensor	129	°F
Motor B Temp Sensor	93	°F
Barometric Pressure	15	PSI
Engine Coolant Temperature	176	°F
Internal EPS Voltage Sense A	8.208	Volts
Internal EPS Voltage Sense B	8.136	Volts
Motor A Torque	0.000	Ft-Lbs
Motor B Torque	0.000	Ft-Lbs
Actual Torque - Motor A	0.000	Ft-Lbs
Actual Torque - Motor B	0.000	Ft-Lbs
Available Motor Torque - Motor A	87.205	Ft-Lbs
Available Motor Torque - Motor B	232.301	Ft-Lbs
Available Regen Torque - Motor A	-87.205	Ft-Lbs
Available Regen Torque - Motor B	-232.301	Ft-Lbs
Commanded Torque - Motor A	0.000	Ft-Lbs
Commanded Torque - Motor B	0.000	Ft-Lbs
Motor A - Inverter Current - phase A	0	AMP
Motor A - Inverter Current - phase B	-4	AMP
Motor A - Inverter Current - phase C	-4	AMP
Motor B - Inverter Current - phase A	0	AMP
Motor B - Inverter Current - phase B	-4	AMP
Motor B - Inverter Current - phase C	0	AMP
Motor B Resolver Angle	4	Degree
Motor A Resolver Angle	202	Degree
Electric Motor A Speed	0.0	rpm
Electric Motor B Speed	0.0	rpm

PIM DC Link Voltage - A	356	Volts
PIM DC Link Voltage - B	353	Volts
HCP ePT Wake-Up Output	On	
CBC Wake-Up Input	Off	
HCP System Shutdown Command	Default	
HV Battery Voltage from BPCM	354.30	Volts
SW Build Release Version	PIM_C19A_2003B0_RU_HCP__	
HCP SW Version	C19A	
EPT LOC Diag Enable	Enable LOC Diagnostic	
HV Contactor Status	Closed	
APM Status	Buck CV	
Impact Event	False	
Outside Air Temperature	77.9	°F
OBCM Operating Mode	UTC	
J1772 Prox Detected State	Prox Out	
HV Battery Sleep Time	0	Days
Battery Feed Voltage 1 Sense	13.032	Volts
Battery Feed Voltage 2 Sense	12.960	Volts
Battery Feed Voltage 3 Sense	12.888	Volts
Hybrid System State	Propulsion System Active	
Inverter A IGBT Temperature for phase A	99	°F
Inverter A IGBT Temperature for phase B	99	°F
Inverter A IGBT Temperature for phase C	99	°F
Inverter B IGBT Temperature for phase A	99	°F
Inverter B IGBT Temperature for phase B	99	°F
Inverter B IGBT Temperature for phase C	99	°F
PHEV Charging Status	No Charging	
Distance Travelled with Light ON	0	miles
GPS Date - Year	0	Year
GPS Date - Month	1	
GPS Date - Day	1	Days
UTC Time - Hours	0	Hours
UTC Time - Minutes	0	
UTC Time - Seconds	0	seconds
ECU Time - Milliseconds	0	ms

HCP | U1818-00 | Stored | Lost Communication With ECM/PCM on D-PT CAN-

NAME	VALUE	UNITS
DTC	D8 18 00	
Test Failed	False	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	

Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	True	
Occurrence flag	Occurrence	
Original Odometer Value	7349.7	miles
Most Recent Odometer Value	7349.7	miles
Frequency Counter	1	
Ignition Cycle Counter	0	
Real time clock	38638888	sec
RAM stamps keyOn	1305	sec
RAM Stamps	45350	Min
Accelerator Pedal Position	0	%
Brake Switch Status	Applied	
Engine Speed	0	rpm
HV Battery SOC	49	%
Ignition State	Reserved	
PRND Position Display	P	
Propulsion System Active	True	
Vehicle Speed	0.0000	MPH
Motor A Temp Sensor	129	°F
Motor B Temp Sensor	93	°F
Barometric Pressure	15	PSI
Engine Coolant Temperature	230	°F
Internal EPS Voltage Sense A	8.208	Volts
Internal EPS Voltage Sense B	8.136	Volts
Motor A Torque	6.084	Ft-Lbs
Motor B Torque	7.375	Ft-Lbs
Actual Torque - Motor A	6.084	Ft-Lbs
Actual Torque - Motor B	7.375	Ft-Lbs
Available Motor Torque - Motor A	85.730	Ft-Lbs
Available Motor Torque - Motor B	232.393	Ft-Lbs
Available Regen Torque - Motor A	-85.730	Ft-Lbs
Available Regen Torque - Motor B	-232.393	Ft-Lbs
Commanded Torque - Motor A	6.084	Ft-Lbs
Commanded Torque - Motor B	7.375	Ft-Lbs
Motor A - Inverter Current - phase A	20	AMP
Motor A - Inverter Current - phase B	-36	AMP
Motor A - Inverter Current - phase C	12	AMP
Motor B - Inverter Current - phase A	-4	AMP
Motor B - Inverter Current - phase B	16	AMP
Motor B - Inverter Current - phase C	-16	AMP
Motor B Resolver Angle	350	Degree
Motor A Resolver Angle	196	Degree
Electric Motor A Speed	4166.5	rpm

Electric Motor B Speed	1.5	rpm
PIM DC Link Voltage - A	354	Volts
PIM DC Link Voltage - B	352	Volts
HCP ePT Wake-Up Output	On	
CBC Wake-Up Input	Off	
HCP System Shutdown Command	Default	
HV Battery Voltage from BPCM	353.20	Volts
SW Build Release Version	PIM_C19A_2003B0_RU_HCP__	
HCP SW Version	C19A	
EPT LOC Diag Enable	Enable LOC Diagnostic	
HV Contactor Status	Closed	
APM Status	Buck CV	
Impact Event	False	
Outside Air Temperature	68.9	°F
OBCM Operating Mode	UTC	
J1772 Prox Detected State	Prox Out	
HV Battery Sleep Time	0	Days
Battery Feed Voltage 1 Sense	12.456	Volts
Battery Feed Voltage 2 Sense	12.456	Volts
Battery Feed Voltage 3 Sense	12.456	Volts
Hybrid System State	Propulsion System Active	
Inverter A IGBT Temperature for phase A	100	°F
Inverter A IGBT Temperature for phase B	100	°F
Inverter A IGBT Temperature for phase C	100	°F
Inverter B IGBT Temperature for phase A	99	°F
Inverter B IGBT Temperature for phase B	100	°F
Inverter B IGBT Temperature for phase C	99	°F
PHEV Charging Status	No Charging	
Distance Travelled with Light ON	0	miles
GPS Date - Year	0	Year
GPS Date - Month	1	
GPS Date - Day	1	Days
UTC Time - Hours	0	Hours
UTC Time - Minutes	0	
UTC Time - Seconds	0	seconds
ECU Time - Milliseconds	0	ms

HCP | U1852-00 | Active | Implausible Data Received from ABS on D-PT-

NAME	VALUE	UNITS
DTC	D8 52 00	
Test Failed	True	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Confirmed DTC	True	

Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	True	
Occurrence flag	Occurrence	
Original Odometer Value	7349.7	miles
Most Recent Odometer Value	7349.7	miles
Frequency Counter	1	
Ignition Cycle Counter	0	
Real time clock	38638840	sec
RAM stamps keyOn	1260	sec
RAM Stamps	45349	Min
Accelerator Pedal Position	0	%
Brake Switch Status	Applied	
Engine Speed	1174	rpm
HV Battery SOC	49	%
Ignition State	Reserved	
PRND Position Display	D	
Propulsion System Active	True	
Vehicle Speed	3.3350	MPH
Motor A Temp Sensor	133	°F
Motor B Temp Sensor	91	°F
Barometric Pressure	15	PSI
Engine Coolant Temperature	230	°F
Internal EPS Voltage Sense A	8.208	Volts
Internal EPS Voltage Sense B	8.136	Volts
Motor A Torque	7.467	Ft-Lbs
Motor B Torque	5.992	Ft-Lbs
Actual Torque - Motor A	7.467	Ft-Lbs
Actual Torque - Motor B	5.992	Ft-Lbs
Available Motor Torque - Motor A	85.730	Ft-Lbs
Available Motor Torque - Motor B	235.988	Ft-Lbs
Available Regen Torque - Motor A	-85.730	Ft-Lbs
Available Regen Torque - Motor B	-235.988	Ft-Lbs
Commanded Torque - Motor A	7.375	Ft-Lbs
Commanded Torque - Motor B	6.268	Ft-Lbs
Motor A - Inverter Current - phase A	36	AMP
Motor A - Inverter Current - phase B	-4	AMP
Motor A - Inverter Current - phase C	-36	AMP
Motor B - Inverter Current - phase A	-16	AMP
Motor B - Inverter Current - phase B	0	AMP
Motor B - Inverter Current - phase C	12	AMP
Motor B Resolver Angle	78	Degree
Motor A Resolver Angle	274	Degree

Electric Motor A Speed	4422.0	rpm
Electric Motor B Speed	402.0	rpm
PIM DC Link Voltage - A	355	Volts
PIM DC Link Voltage - B	353	Volts
HCP ePT Wake-Up Output	On	
CBC Wake-Up Input	Off	
HCP System Shutdown Command	Default	
HV Battery Voltage from BPCM	354.20	Volts
SW Build Release Version	PIM_C19A_2003B0_RU_HCP__	
HCP SW Version	C19A	
EPT LOC Diag Enable	Enable LOC Diagnostic	
HV Contactor Status	Closed	
APM Status	Buck CV	
Impact Event	False	
Outside Air Temperature	64.4	°F
OBCM Operating Mode	UTC	
J1772 Prox Detected State	Prox Out	
HV Battery Sleep Time	0	Days
Battery Feed Voltage 1 Sense	14.256	Volts
Battery Feed Voltage 2 Sense	14.256	Volts
Battery Feed Voltage 3 Sense	14.256	Volts
Hybrid System State	Propulsion System Active	
Inverter A IGBT Temperature for phase A	115	°F
Inverter A IGBT Temperature for phase B	113	°F
Inverter A IGBT Temperature for phase C	113	°F
Inverter B IGBT Temperature for phase A	115	°F
Inverter B IGBT Temperature for phase B	115	°F
Inverter B IGBT Temperature for phase C	117	°F
PHEV Charging Status	No Charging	
Distance Travelled with Light ON	0	miles
GPS Date - Year	0	Year
GPS Date - Month	1	
GPS Date - Day	1	Days
UTC Time - Hours	0	Hours
UTC Time - Minutes	0	
UTC Time - Seconds	0	seconds
ECU Time - Milliseconds	0	ms

EBBM | U1852-00 | Active | Implausible Data Received from ABS on D-PT-

NAME	VALUE	UNITS
DTC	D8 52 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	False	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	True	
Occurrence flag	Error	
Mirror Memory	No	
Undervoltage Suspected	No	
Original Odometer Value	7347	miles
Most Recent Odometer Value	7347	miles
Frequency Counter	1	
Ignition Cycle Counter	0	
Fault Time	13107.00	S
Booster Supply	14.3	V
ECU Supply	14.2	V
Ignition	14.2	V
Pedal Travel Sensor Supply	5.0	V
iBooster System Mode	Actuated Mode - iBooster is actually providing a support force	
Brake Pedal Applied	Brake Pedal Applied	
iBooster ECU Temperature Channel 1	98.3750	°F
iBooster ECU Temperature Channel 2	98.0375	°F
iBooster Brake Pedal State	Brake Pedal Applied	
ESP Master Cylinder Pressure	0.00	PSI
Pedal Travel Sensor One	0.8281144	mm_
Pedal Travel Sensor Two	0.8593640	mm_
iBooster Rotary Position Sensor	123.18	Deg
iBooster Output Rod Stroke	0.71	mm_
iBooster Input Rod Stroke	0.84	mm_
iBooster Boost Body Stroke	0.74	mm_
Vehicle Speed	0.00	MPH
Supplier Internal Code	221	

EBBM | 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	True	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	False	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	True	
Occurrence flag	Error	

Mirror Memory	No	
Undervoltage Suspected	No	
Original Odometer Value	7347	miles
Most Recent Odometer Value	7347	miles
Frequency Counter	3	
Ignition Cycle Counter	0	
Fault Time	13107.00	S
Booster Supply	14.3	V
ECU Supply	14.3	V
Ignition	14.3	V
Pedal Travel Sensor Supply	5.0	V
iBooster System Mode	Actuated Mode - iBooster is actually providing a support force	
Brake Pedal Applied	brake pedal not applied	
iBooster ECU Temperature Channel 1	98.6281	°F
iBooster ECU Temperature Channel 2	98.0375	°F
iBooster Brake Pedal State	brake pedal not applied	
ESP Master Cylinder Pressure	0.00	PSI
Pedal Travel Sensor One	0.3652297	mm_
Pedal Travel Sensor Two	0.4023386	mm_
iBooster Rotary Position Sensor	44.40	Deg
iBooster Output Rod Stroke	0.26	mm_
iBooster Input Rod Stroke	0.38	mm_
iBooster Boost Body Stroke	0.26	mm_
Vehicle Speed	0.00	MPH
Supplier Internal Code	141	

ABSO | C0044-00 | Active | Brake Pressure Sensor 1-

NAME	VALUE	UNITS
DTC	40 44 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	False	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	True	
Occurrence flag	Error	
Controller Event	No	
Mirror Memory	No	
Undervoltage Suspected	No	
Original Odometer Value	7347	miles
Most Recent Odometer Value	7347	miles
Frequency Counter	1	

Ignition Cycle Counter	0	
Fault Time	13107.00	S
Current System Mode	Engine Running	
Previous System Mode	Engine Running	
System Condition	OK	
Supply Voltage Valves	14.3	V
Brake Pedal Status	Pressed	
Supply voltage Pump	14.0	V
Brake Pedal Travel Sensor Position	6D	%
Ignition Unfiltered	14.3	V
Wheel Speed Left Front	3.355	MPH
Rotation Direction Left Front	Forward	
Wheel Speed Right Front	3.355	MPH
Rotation Direction Right Front	Forward	
Wheel Speed Left Rear	3.355	MPH
Rotation Direction Left Rear	Forward	
Wheel Speed Right Rear	3.355	MPH
Rotation Direction Right Rear	Forward	
Steering Wheel Angle	0.00	°
Longitudinal Acceleration	-1.30	m/s^2
Lateral Acceleration	0.00	m/s^2
Yaw Rate	0.000	°/s
Primary Circuit Pressure	169.69	PSI
Engine Speed	1158.0	rpm
Accelerator Pedal Position	0.0	%
ABS control	Not Active	
ASR control	Not Active	
MSR control	Not Active	
EBV control	Not Active	
ESP Control	Not Active	
HSA control	Not Active	
HBA control	Not Active	
Hold	No	
Braking assistance system	No assistance system is braking	
Plant Mode	No	
EPB Mode Status	Static	
BLS High	Yes	
BLS Low	No	
Park Brake	Not Activated	
ESP-OFF mode	No	
Clutch	Not Activated	
Stop Coordinator Active	No	
Actual Gear	1	
Transmission selector lever setting	D	

Status Parking Brake Left	Brake is Released	
Status Parking Brake Right	Brake is Released	
EPB Switch Status	Idle	
Supplier Internal Code	144	

ABSO | U1822-00 | Active | Lost Communication with EBBM on D-PT CAN-

NAME	VALUE	UNITS
DTC	D8 22 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	False	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	True	
Occurrence flag	Occurrence	
Controller Event	No	
Mirror Memory	No	
Undervoltage Suspected	No	
Original Odometer Value	7347	miles
Most Recent Odometer Value	7347	miles
Frequency Counter	1	
Ignition Cycle Counter	0	
Fault Time	13107.00	S
Current System Mode	Ignition Run	
Previous System Mode	Ignition Run	
System Condition	ESC/TSC Fault	
Supply Voltage Valves	14.3	V
Brake Pedal Status	Pressed	
Supply voltage Pump	14.3	V
Brake Pedal Travel Sensor Position	6	%
Ignition Unfiltered	14.3	V
Wheel Speed Left Front	0.000	MPH
Rotation Direction Left Front	Forward	
Wheel Speed Right Front	0.000	MPH
Rotation Direction Right Front	Forward	
Wheel Speed Left Rear	0.000	MPH
Rotation Direction Left Rear	Forward	
Wheel Speed Right Rear	0.000	MPH
Rotation Direction Right Rear	Forward	
Steering Wheel Angle	326.40	°
Longitudinal Acceleration	0.00	m/s^2
Lateral Acceleration	0.00	m/s^2

Yaw Rate	0.000	°/s
Primary Circuit Pressure	0.00	PSI
Engine Speed	0.0	rpm
Accelerator Pedal Position	0.0	%
ABS control	Not Active	
ASR control	Not Active	
MSR control	Not Active	
EBV control	Not Active	
ESP Control	Not Active	
HSA control	Not Active	
HBA control	Not Active	
Hold	No	
Braking assistance system	No assistance system is braking	
Plant Mode	No	
EPB Mode Status	Static	
BLS High	Yes	
BLS Low	No	
Park Brake	Not Activated	
ESP-OFF mode	No	
Clutch	Not Activated	
Stop Coordinator Active	No	
Actual Gear	P	
Transmission selector lever setting	P	
Status Parking Brake Left	Brake is Released	
Status Parking Brake Right	Brake is Released	
EPB Switch Status	Idle	
Supplier Internal Code	266	

ABSO | U1817-00 | Active | Lost Communication With Hybrid Powertrain Control Module on D-PT-

NAME	VALUE	UNITS
DTC	D8 17 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	False	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	True	
Occurrence flag	Occurrence	
Controller Event	No	
Mirror Memory	No	
Undervoltage Suspected	No	
Original Odometer Value	7347	miles

Most Recent Odometer Value	7347	miles
Frequency Counter	1	
Ignition Cycle Counter	0	
Fault Time	13107.00	S
Current System Mode	Ignition Run	
Previous System Mode	Ignition Run	
System Condition	ESC/TSC Fault	
Supply Voltage Valves	12.7	V
Brake Pedal Status	Pressed	
Supply voltage Pump	12.6	V
Brake Pedal Travel Sensor Position	3	%
Ignition Unfiltered	12.7	V
Wheel Speed Left Front	0.000	MPH
Rotation Direction Left Front	Forward	
Wheel Speed Right Front	0.000	MPH
Rotation Direction Right Front	Forward	
Wheel Speed Left Rear	0.000	MPH
Rotation Direction Left Rear	Forward	
Wheel Speed Right Rear	0.000	MPH
Rotation Direction Right Rear	Forward	
Steering Wheel Angle	326.40	°
Longitudinal Acceleration	0.00	m/s^2
Lateral Acceleration	0.00	m/s^2
Yaw Rate	0.000	°/s
Primary Circuit Pressure	0.00	PSI
Engine Speed	0.0	rpm
Accelerator Pedal Position	0.0	%
ABS control	Not Active	
ASR control	Not Active	
MSR control	Not Active	
EBV control	Not Active	
ESP Control	Not Active	
HSA control	Not Active	
HBA control	Not Active	
Hold	No	
Braking assistance system	No assistance system is braking	
Plant Mode	No	
EPB Mode Status	Static	
BLS High	Yes	
BLS Low	No	
Park Brake	Not Activated	
ESP-OFF mode	No	
Clutch	Not Activated	
Stop Coordinator Active	No	

Actual Gear	P	
Transmission selector lever setting	P	
Status Parking Brake Left	Brake is Released	
Status Parking Brake Right	Brake is Released	
EPB Switch Status	Idle	
Supplier Internal Code	338	

ABSO | 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	True	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	False	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	True	
Occurrence flag	Error	
Controller Event	No	
Mirror Memory	No	
Undervoltage Suspected	No	
Original Odometer Value	7347	miles
Most Recent Odometer Value	7347	miles
Frequency Counter	1	
Ignition Cycle Counter	0	
Fault Time	13107.00	S
Current System Mode	Ignition Run	
Previous System Mode	Ignition Run	
System Condition	ESC/TSC Fault	
Supply Voltage Valves	14.3	V
Brake Pedal Status	Released	
Supply voltage Pump	14.3	V
Brake Pedal Travel Sensor Position	2	%
Ignition Unfiltered	14.3	V
Wheel Speed Left Front	0.000	MPH
Rotation Direction Left Front	Forward	
Wheel Speed Right Front	0.000	MPH
Rotation Direction Right Front	Forward	
Wheel Speed Left Rear	0.000	MPH
Rotation Direction Left Rear	Forward	
Wheel Speed Right Rear	0.000	MPH
Rotation Direction Right Rear	Forward	
Steering Wheel Angle	326.40	°

Longitudinal Acceleration	0.00	m/s^2
Lateral Acceleration	0.00	m/s^2
Yaw Rate	0.000	°/s
Primary Circuit Pressure	0.00	PSI
Engine Speed	0.0	rpm
Accelerator Pedal Position	0.0	%
ABS control	Not Active	
ASR control	Not Active	
MSR control	Not Active	
EBV control	Not Active	
ESP Control	Not Active	
HSA control	Not Active	
HBA control	Not Active	
Hold	No	
Braking assistance system	No assistance system is braking	
Plant Mode	No	
EPB Mode Status	Static	
BLS High	No	
BLS Low	Yes	
Park Brake	Not Activated	
ESP-OFF mode	No	
Clutch	Not Activated	
Stop Coordinator Active	No	
Actual Gear	P	
Transmission selector lever setting	P	
Status Parking Brake Left	Brake is Released	
Status Parking Brake Right	Brake is Released	
EPB Switch Status	Idle	
Supplier Internal Code	192	

SNAPSHOT DATA SUMMARY

No Snapshot Data available for U0074

No Snapshot Data available for P152C

No Snapshot Data available for U0074-00

No Snapshot Data available for U0073-00

No Snapshot Data available for U0415-00

No Snapshot Data available for C2227-00

No Snapshot Data available for U0415-00

No Snapshot Data available for U0002-00

No Snapshot Data available for U0074-00

No Snapshot Data available for U0074-00

No Snapshot Data available for U0293-00

No Snapshot Data available for U0594-00

No Snapshot Data available for P0C2F-00

No Snapshot Data available for U0073-00

No Snapshot Data available for U1817-00

No Snapshot Data available for U1818-00

No Snapshot Data available for U1852-00

No Snapshot Data available for U1852-00

No Snapshot Data available for U0074-00

No Snapshot Data available for C0044-00

No Snapshot Data available for U1822-00

No Snapshot Data available for U1817-00

No Snapshot Data available for U0074-00

VEHICLE SCAN REPORT

Vehicle 2020 CHRYSLER PACIFICA (PHEV) 3.6L V6 HYBRID ENGINE
VIN [redacted]

Odometer 7349.8 miles
Publication Date Nov 10, 2021, 11:34:19 AM

ECU SUMMARY INFO

ECU	NAME	BUS TYPE	FLASH PART #	[redacted]	PART #
PCM	Powertrain Control Module	CAN-C	68444228AE		68444228AE
ICS	Integrated Center Stack	CAN-I	6UX621X8AA		6UX621X8AA
RFH	Radio Frequency Hub	CAN-C	68453559AB		68453559AB
ESM	Electronic Shifter	CAN-C	68240089AM		68240089AM
ORC	Occupant Restraint	CAN-C	68453076AD		68453076AD
EPS	Electric Power Steering	CAN-C	68460392AA		68460392AA
HVAC	Heat, Ventilation and A/C	CAN-I	68447893AC		68447893AC
DDM	Driver Door Module	CAN-I	68424449AC		68424449AC
PDM	Passenger Door Module	CAN-I	68424448AC		68424448AC
DMRL	Door Module Rear Left	CAN-I	68225096AG		68225096AG
DMRR	Door Module Rear Right	CAN-I	68225096AG		68225096AG
PSDML	Power Sliding Doors (Left)	CAN-I	68369596AD		68369596AD
PSDMR	Power Sliding Doors (Right)	CAN-I	68369596AD		68369596AD
MSM	Memory Seat Module	CAN-I	68321862AC		68321862AC
PLGM	Power Liftgate	CAN-I	68316094AF		68316094AF
CSWM	Comfort Seat Wheel Module	CAN-I	68434912AC		68434912AC
AMP	Amplifier	CAN-I	68448067AA		68448067AA
IPC	Instrument Panel Cluster	CAN-C	68434956AC		68434956AC
PTS	Parktronics	CAN-C	68193775AJ		68193775AJ
SCCM	Steering Column Control Module	CAN-C	68360889AD		68360889AD
BCM	Body Controller	CAN-C	68424601AE		68424601AE

ACC	Adaptive Cruise Control	CAN-C	68417813AF		68417813AF
RADIO	Radio	CAN-I	68461768AD		68461768AD
OCM	Occupant Classification	CAN-C	68403127AA		68403127AA
HVACR	Heat, Ventilation and A/C Rear	CAN-I	68373079AB		68373079AB
LBSS	Left Blind Spot Sensor	CAN-I	04672786AB		04672786AB
RBSS	Right Blind Spot Sensor	CAN-I	04672786AB		04672786AB
FFCM	Forward Facing Camera Module	CAN-C	68493395AA		68493395AA
EDM	External Disc Module	CAN-I	68378304AA		68378304AA
APM	Accessory Power Module	CAN-C	05185046AB		05185046AB
BPCM	Battery Pack Control Module	CAN-C	05193166AF		05193166AF
HCP	Hybrid Control Processor	CAN-C	05190265AF		05190265AF
OBCM	On Board Charging Module	CAN-C	05185047AE		05185047AE
MSMP	Memory Seat Module - Passenger	CAN-I	68321862AC		68321862AC
DSM	Display Screen Module	CAN-I	68316174AC		68316174AC
VRM	Video Routing Module	CAN-I	68376134AG		68376134AG
RCCC	Rear Cabin Comfort Controls	CAN-I	6WL30DX9AA		6WL30DX9AA
CVPM	Central vision processing module	CAN-I	68375113AB		68375113AB
EAC	Electric A/C Compressor	CAN-C	68237995AG		68237995AG
AHCP	Auxiliary Hybrid Control Processor	CAN-C	05190266AF		05190266AF
EBBM	Electronic Brake Booster Module	CAN-C	68461813AB		68461813AB
ABSO	Anti Lock Brakes OBD	CAN-C	68471122AD		68471122AD
SGW	Security Gateway Module	CAN-C	68447193AB		68447193AB

ECU SUMMARY INFO (CONT...)

ECU	COUNTRY CODE	HARDWARE VERSION	SOFTWARE VERSION	IDENT	CVNS
PCM	USA	1B 47	46 03 01	4419	31D751B0
ICS	USA	0F 0C 00	12 25 00	4700	
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	13 27 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	13 2C 90	4415	
ACC	USA / USA	14 12 01	14 1D 01	4400	
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	
FFCM	USA / USA	11 06 00	13 1E 00	4102	
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 17 00	4005	D721612D
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	
CVPM	USA / USA	11 32 01	12 33 00	4003	
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
PTS	U0415-00	Invalid Data Received from Anti-Lock Brake System (ABS) Control Module "A"-	Active
ACC	C2227-00	ABS Disabled ECU-	Active
ACC	U0415-00	Invalid Data Received from Anti-Lock Brake System (ABS) Control Module "A"-	Active

RADIO	U0002-00	CAN C Bus Off Performance-	Active
HCP	U1852-00	Implausible Data Received from ABS on D-PT-	Active
ABSO	C055F-00	ABS Hydraulic Unit Performance-	Active

ENVIRONMENTAL DATA SUMMARY

PTS | U0415-00 | Active | Invalid Data Received from Anti-Lock Brake System (ABS) Control Module "A"-

NAME	VALUE	UNITS
DTC	C4 15 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	03	
Occurrence flag	Occurrence	
Original Odometer Value	0	miles
Most Recent Odometer Value	7347	miles
Frequency Counter	2	
DC/DC Converter Voltage	01	Volt

ACC | C2227-00 | Active | ABS Disabled ECU-

NAME	VALUE	UNITS
Test Failed	True	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	True	
Occurrence flag	Error	
Original Odometer Value	7347	miles
Most Recent Odometer Value	7347	miles
Frequency Counter	2	
Operation Cycle Counter	0	
Vehicle Speed	0	MPH
Engine RPM	0	rpm
ACC Set Speed	0	MPH
Object of Interest Distance	830	FEET
Engine Torque Request	SNA	Ft-Lbs

PRNDL Status	P range	
Ignition Voltage	14.5	
System Voltage	14.6	Volts

ACC | U0415-00 | Active | Invalid Data Received from Anti-Lock Brake System (ABS) Control Module "A"-

NAME	VALUE	UNITS
Test Failed	True	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	True	
Occurrence flag	Error	
Original Odometer Value	7347	miles
Most Recent Odometer Value	7347	miles
Frequency Counter	2	
Operation Cycle Counter	0	
Vehicle Speed	0	MPH
Engine RPM	0	rpm
ACC Set Speed	0	MPH
Object of Interest Distance	830	FEET
Engine Torque Request	SNA	Ft-Lbs
PRNDL Status	P range	
Ignition Voltage	14.5	
System Voltage	14.6	Volts

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

NAME	VALUE	UNITS
DTCTable	C0 02 00	
TestFailed	True	
TestFailedThisMonitoringCycle	True	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed This Monitoring Cycle	False	
Warning Indicator Requested	False	
DTCExtendedDataRecordNumber	FF	
Occurance Flag	Occurrence	
Reserved	Reserved	
Original Odometer Value	7347	miles
Most Recent Odometer Value	7347	miles
Frequency Counter	1	
Ignition Counter	0	

RDI $6080	60 80	
Event Counter	64	

HCP | U1852-00 | Active | Implausible Data Received from ABS on D-PT-

NAME	VALUE	UNITS
DTC	D8 52 00	
Test Failed	True	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	True	
Occurrence flag	Occurrence	
Original Odometer Value	7349.8	miles
Most Recent Odometer Value	7349.8	miles
Frequency Counter	3	
Ignition Cycle Counter	0	
Real time clock	39081520	sec
RAM stamps keyOn	255	sec
RAM Stamps	45389	Min
Accelerator Pedal Position	0	%
Brake Switch Status	Not Applied	
Engine Speed	0	rpm
HV Battery SOC	47	%
Ignition State	Reserved	
PRND Position Display	P	
Propulsion System Active	True	
Vehicle Speed	0.0000	MPH
Motor A Temp Sensor	63	°F
Motor B Temp Sensor	64	°F
Barometric Pressure	15	PSI
Engine Coolant Temperature	61	°F
Internal EPS Voltage Sense A	8.208	Volts
Internal EPS Voltage Sense B	8.064	Volts
Motor A Torque	0.000	Ft-Lbs
Motor B Torque	23.138	Ft-Lbs
Actual Torque - Motor A	0.000	Ft-Lbs
Actual Torque - Motor B	23.138	Ft-Lbs
Available Motor Torque - Motor A	87.205	Ft-Lbs
Available Motor Torque - Motor B	232.485	Ft-Lbs
Available Regen Torque - Motor A	-87.205	Ft-Lbs
Available Regen Torque - Motor B	-232.485	Ft-Lbs

Commanded Torque - Motor A	0.000	Ft-Lbs
Commanded Torque - Motor B	23.046	Ft-Lbs
Motor A - Inverter Current - phase A	-4	AMP
Motor A - Inverter Current - phase B	0	AMP
Motor A - Inverter Current - phase C	-4	AMP
Motor B - Inverter Current - phase A	44	AMP
Motor B - Inverter Current - phase B	0	AMP
Motor B - Inverter Current - phase C	-48	AMP
Motor B Resolver Angle	276	Degree
Motor A Resolver Angle	252	Degree
Electric Motor A Speed	0.0	rpm
Electric Motor B Speed	2.0	rpm
PIM DC Link Voltage - A	354	Volts
PIM DC Link Voltage - B	352	Volts
HCP ePT Wake-Up Output	On	
CBC Wake-Up Input	On	
HCP System Shutdown Command	Default	
HV Battery Voltage from BPCM	352.90	Volts
SW Build Release Version	PIM_C19A_2003B0_RU_HCP__	
HCP SW Version	C19A	
EPT LOC Diag Enable	Enable LOC Diagnostic	
HV Contactor Status	Closed	
APM Status	Buck CV	
Impact Event	False	
Outside Air Temperature	66.2	°F
OBCM Operating Mode	UTC	
J1772 Prox Detected State	Prox Out	
HV Battery Sleep Time	5	Days
Battery Feed Voltage 1 Sense	14.616	Volts
Battery Feed Voltage 2 Sense	14.616	Volts
Battery Feed Voltage 3 Sense	14.472	Volts
Hybrid System State	Propulsion System Active	
Inverter A IGBT Temperature for phase A	64	°F
Inverter A IGBT Temperature for phase B	64	°F
Inverter A IGBT Temperature for phase C	64	°F
Inverter B IGBT Temperature for phase A	72	°F
Inverter B IGBT Temperature for phase B	64	°F
Inverter B IGBT Temperature for phase C	68	°F
PHEV Charging Status	No Charging	
Distance Travelled with Light ON	0	miles
GPS Date - Year	0	Year
GPS Date - Month	1	
GPS Date - Day	1	Days
UTC Time - Hours	0	Hours

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

ABSO | C055F-00 | Active | ABS Hydraulic Unit Performance-

NAME	VALUE	UNITS
DTC	45 5F 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	False	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	True	
Occurrence flag	Error	
Controller Event	No	
Mirror Memory	No	
Undervoltage Suspected	No	
Original Odometer Value	7347	miles
Most Recent Odometer Value	7347	miles
Frequency Counter	1	
Ignition Cycle Counter	0	
Fault Time	237.80	S
Current System Mode	Ignition Start	
Previous System Mode	Ignition Start	
System Condition	OK	
Supply Voltage Valves	13.1	V
Brake Pedal Status	Pressed	
Supply voltage Pump	13.2	V
Brake Pedal Travel Sensor Position	BF	%
Ignition Unfiltered	13.1	V
Wheel Speed Left Front	0.000	MPH
Rotation Direction Left Front	Forward	
Wheel Speed Right Front	0.000	MPH
Rotation Direction Right Front	Forward	
Wheel Speed Left Rear	0.000	MPH
Rotation Direction Left Rear	Forward	
Wheel Speed Right Rear	0.000	MPH
Rotation Direction Right Rear	Forward	
Steering Wheel Angle	0.00	°
Longitudinal Acceleration	0.00	m/s^2
Lateral Acceleration	0.00	m/s^2
Yaw Rate	0.000	°/s

Primary Circuit Pressure	650.49	PSI
Engine Speed	0.0	rpm
Accelerator Pedal Position	0.0	%
ABS control	Not Active	
ASR control	Not Active	
MSR control	Not Active	
EBV control	Not Active	
ESP Control	Not Active	
HSA control	Not Active	
HBA control	Not Active	
Hold	No	
Braking assistance system	No assistance system is braking	
Plant Mode	No	
EPB Mode Status	Static	
BLS High	Yes	
BLS Low	No	
Park Brake	Not Activated	
ESP-OFF mode	No	
Clutch	Not Activated	
Stop Coordinator Active	No	
Actual Gear	P	
Transmission selector lever setting	P	
Status Parking Brake Left	Brake is Released	
Status Parking Brake Right	Brake is Released	
EPB Switch Status	Idle	
Supplier Internal Code	156	

SNAPSHOT DATA SUMMARY

No Snapshot Data available for U0415-00

No Snapshot Data available for C2227-00

No Snapshot Data available for U0415-00

No Snapshot Data available for U0002-00

No Snapshot Data available for U1852-00

No Snapshot Data available for C055F-00

VEHICLE SCAN REPORT

Vehicle 2020 CHRYSLER PACIFICA (PHEV) 3.6L V6 HYBRID ENGINE
VIN [redacted]

Odometer 7350.8 miles
Publication Date Nov 10, 2021, 3:52:47 PM

ECU SUMMARY INFO

ECU	NAME	BUS TYPE	FLASH PART #	PART #
PCM	Powertrain Control Module	CAN-C	68444228AE	68444228AE
ICS	Integrated Center Stack	CAN-I	6UX621X8AA	6UX621X8AA
RFH	Radio Frequency Hub	CAN-C	68453559AB	68453559AB
ESM	Electronic Shifter	CAN-C	68240089AM	68240089AM
ORC	Occupant Restraint	CAN-C	68453076AD	68453076AD
EPS	Electric Power Steering	CAN-C	68460392AA	68460392AA
HVAC	Heat, Ventilation and A/C	CAN-I	68447893AC	68447893AC
DDM	Driver Door Module	CAN-I	68424449AC	68424449AC
PDM	Passenger Door Module	CAN-I	68424448AC	68424448AC
DMRL	Door Module Rear Left	CAN-I	68225096AG	68225096AG
DMRR	Door Module Rear Right	CAN-I	68225096AG	68225096AG
PSDML	Power Sliding Doors (Left)	CAN-I	68369596AD	68369596AD
PSDMR	Power Sliding Doors (Right)	CAN-I	68369596AD	68369596AD
MSM	Memory Seat Module	CAN-I	68321862AC	68321862AC
PLGM	Power Liftgate	CAN-I	68316094AF	68316094AF
CSWM	Comfort Seat Wheel Module	CAN-I	68434912AC	68434912AC
AMP	Amplifier	CAN-I	68448067AA	68448067AA
IPC	Instrument Panel Cluster	CAN-C	68434956AC	68434956AC
PTS	Parktronics	CAN-C	68193775AJ	68193775AJ
SCCM	Steering Column Control Module	CAN-C	68360889AD	68360889AD
BCM	Body Controller	CAN-C	68424601AE	68424601AE

ACC	Adaptive Cruise Control	CAN-C	68417813AF		68417813AF
RADIO	Radio	CAN-I	68461768AD		68461768AD
OCM	Occupant Classification	CAN-C	68403127AA		68403127AA
HVACR	Heat, Ventilation and A/C Rear	CAN-I	68373079AB		68373079AB
LBSS	Left Blind Spot Sensor	CAN-I	04672786AB		04672786AB
RBSS	Right Blind Spot Sensor	CAN-I	04672786AB		04672786AB
FFCM	Forward Facing Camera Module	CAN-C	68493395AA		68493395AA
EDM	External Disc Module	CAN-I	68378304AA		68378304AA
APM	Accessory Power Module	CAN-C	05185046AB		05185046AB
BPCM	Battery Pack Control Module	CAN-C	05193166AF		05193166AF
HCP	Hybrid Control Processor	CAN-C	05190265AF		05190265AF
OBCM	On Board Charging Module	CAN-C	05185047AE		05185047AE
MSMP	Memory Seat Module - Passenger	CAN-I	68321862AC		68321862AC
DSM	Display Screen Module	CAN-I	68316174AC		68316174AC
VRM	Video Routing Module	CAN-I	68376134AG		68376134AG
RCCC	Rear Cabin Comfort Controls	CAN-I	6WL30DX9AA		6WL30DX9AA
CVPM	Central vision processing module	CAN-I	68375113AB		68375113AB
EAC	Electric A/C Compressor	CAN-C	68237995AG		68237995AG
AHCP	Auxiliary Hybrid Control Processor	CAN-C	05190266AF		05190266AF
EBBM	Electronic Brake Booster Module	CAN-C	68461813AB		68461813AB
ABSO	Anti Lock Brakes OBD	CAN-C	68471122AD		68471122AD
SGW	Security Gateway Module	CAN-C	68447193AB		68447193AB

ECU SUMMARY INFO (CONT...)

ECU	COUNTRY CODE	HARDWARE VERSION	SOFTWARE VERSION	IDENT	CVNS
PCM	USA	1B 47	46 03 01	4419	31D751B0
ICS	USA	0F 0C 00	12 25 00	4700	
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	13 27 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	13 2C 90	4415	
ACC	USA / USA	14 12 01	14 1D 01	4400	
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	
FFCM	USA / USA	11 06 00	13 1E 00	4102	
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 17 00	4005	D721612D
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	
CVPM	USA / USA	11 32 01	12 33 00	4003	
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
PTS	U0415-00	Invalid Data Received from Anti-Lock Brake System (ABS) Control Module "A"-	Active
ACC	C2227-00	ABS Disabled ECU-	Active
ACC	U0415-00	Invalid Data Received from Anti-Lock Brake System (ABS) Control Module "A"-	Active

APM	P0AFA-00	Hybrid/EV Battery System Voltage Low-	Stored
BPCM	U0594-00	Implausible Data Received From Hybrid Control Module "A"-	Stored
BPCM	U0293-00	Lost Communication with Hybrid Control Module "A"-	Stored
BPCM	U0074-00	Dedicated Powertrain (D-PT) CAN Bus Off-	Stored
HCP	U0073-00	Hybrid/EV Bus Off-	Stored
HCP	U0111-00	Lost Communication With Battery Energy Control Module-	Stored
HCP	U0293-00	Lost Communication with Hybrid Control Module "A"-	Pending
HCP	U0624-00	Lost Communication with Coolant Pump "B"-	Pending
HCP	U1814-00	OBCM Lost Communication with BPCM-	Pending
HCP	U1817-00	Lost Communication With Hybrid Powertrain Control Module on D-PT-	Stored
HCP	U1852-00	Implausible Data Received from ABS on D-PT-	Active
OBCM	U0074-00	Dedicated Powertrain (D-PT) CAN Bus Off-	Stored
OBCM	U1814-00	OBCM Lost Communication with BPCM-	Stored
OBCM	U0293-00	Lost Communication with Hybrid Control Module "A"-	Stored
EBBM	U1852-00	Implausible Data Received from ABS on D-PT-	Active
EBBM	U0074-00	Dedicated Powertrain (D-PT) CAN Bus Off-	Stored
ABSO	U1822-00	Lost Communication with EBBM on D-PT CAN-	Active

ENVIRONMENTAL DATA SUMMARY

PTS | U0415-00 | Active | Invalid Data Received from Anti-Lock Brake System (ABS) Control Module "A"-

NAME	VALUE	UNITS
DTC	C4 15 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	03	
Occurrence flag	Occurrence	
Original Odometer Value	7347	miles
Most Recent Odometer Value	7347	miles
Frequency Counter	1	
DC/DC Converter Voltage	01	Volt

ACC | C2227-00 | Active | ABS Disabled ECU-

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

Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	True	
Occurrence flag	Error	
Original Odometer Value	7347	miles
Most Recent Odometer Value	7347	miles
Frequency Counter	1	
Operation Cycle Counter	0	
Vehicle Speed	0	MPH
Engine RPM	0	rpm
ACC Set Speed	0	MPH
Object of Interest Distance	830	FEET
Engine Torque Request	SNA	Ft-Lbs
PRNDL Status	P range	
Ignition Voltage	14.4	
System Voltage	14.5	Volts

ACC | U0415-00 | Active | Invalid Data Received from Anti-Lock Brake System (ABS) Control Module "A"-

NAME	VALUE	UNITS
Test Failed	True	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	True	
Occurrence flag	Error	
Original Odometer Value	7347	miles
Most Recent Odometer Value	7347	miles
Frequency Counter	1	
Operation Cycle Counter	0	
Vehicle Speed	0	MPH
Engine RPM	0	rpm
ACC Set Speed	0	MPH
Object of Interest Distance	830	FEET
Engine Torque Request	SNA	Ft-Lbs
PRNDL Status	P range	
Ignition Voltage	14.4	
System Voltage	14.5	Volts

APM | P0AFA-00 | Stored | Hybrid/EV Battery System Voltage Low-

NAME	VALUE	UNITS

DTC	0A FA 00	
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
Occurrence flag	Error	
Original Odometer Value	0	miles
Most Recent Odometer Value	0	miles
Frequency Counter	1	
Ignition Cycle Counter	2	
APM High Voltage DC Current Set Point	7.0000	AMP
APM Low Voltage DC Current Set Point	100.0000	AMP
HCP Commanded APM Operating Mode	Idle	
APM High Voltage DC Voltage Set Point	14.0000	Volt
APM Low Voltage DC Voltage Set Point	12.63	Volt
APM Operation Mode Status Reported from APM	Failure	
APM Derating Mode Status	No de-rating	
APM Derating Reason	Default(Normal Operation)	
APM Failure Mode Status	No failure	
APM Failure Reason	Failure because of short circuit at LV / Failure9	
Low voltage battery voltage from HCP	12.7200	Volt

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

NAME	VALUE	UNITS
Frequency Counter	2	
Ignition Cycle Counter	1	
FoM - for this DTC (lifetime fails)	9	events
FoM - for this DTC (lifetime fails counts on pass)	0.0000	seconds
FoM - for this DTC (lifetime longest fail on pass)	0.000	seconds
Battery Total Time Awake	39091592	seconds
Key in Ignition	Key_Def	
Key Position	Ign_Lock	
EPT -WakeUp	Sourced	
HCP Contactor Command	Closed	
Qualified Contactor Command - QCC	Closed	
Verified Contactor Command - VCC	Closed Restricted	
Contactor Status	Closed	
Plug in Status	plug in charge (with current)	
ChargingLevel	Plugged into 208V to 240V AC (11.5kW)	
Balance Mode	False	

Battery in Periodic wake up (Just battery) at time of Fault	False	
Battery in Periodic wake up (Wake up vehicle) at time of Fault	False	
Vehicle mileage at time of fault (ODO signal in $3D2)	7350.65	miles
Battery Lifetime Miles	64F4CF	miles
Vehicle Speed	FE	MPH
System (12) Volts at time of fault	14.455	Volts
Battery Lifetime AmpHrs of Charge	6660.6	AHr
Battery Lifetime AmpHrs of DisCharge	6637.9	AHr
SOC at time of Fault	61.2	%
Power Up SOC at time of Fault	60.8	%
HVIL Status -Vehicle	PASS	
HVIL Status - Battery pack	PASS	
HVIL PWM Duty Cycle - Vehicle	50.2	%
HVIL PWM Frequency - Vehicle	87.9	Hz
HVIL PWM peak voltage Sourced - Vehicle	13.140	Volts
HVIL PWM peak voltage Sensed - Vehicle	13.101	Volts
HVIL Source Voltage- Battery	1.377	Volts
HVIL Returned current - Battery	30.40	mA
HV Battery Current Sensor 1 Hall High	-14.70	Amps
HV Battery Current Sensor 2 Hall Low	-13.60	Amps
HV Battery Current HVBatCrnt	-13.55	Amps
HV Cooling Speed Pump 1 Target	0	rpm
HV Cooling Speed pump 1 Speed	0	rpm
Charge indicator Temp	113	°F
BPCM temperature max	70	°F
BPCM temperature min	68	°F
Pump - Wire Open\Short to Gnd	PASS	
Pump - Dry Run Detection	PASS	
Pump - Overcurrent	PASS	
Pump - Overtemperature	PASS	
Pump - Switch Power Shorted	PASS	
Isolation Circuitry Va	2.497	Volts
Isolation Circuitry Vb	2.501	Volts
Isolation Circuitry Vd	0.000	Volts
WC and Circuitry 2.5V Reference Voltage	2.498	Volts
WC and Circuitry Vcc Voltage	5.026	Volts
WC and CircuitryISO 8V Reference Voltage	7.971	Volts
WC and Circuitry Weld Contactor Sensor G (Pack Negative) Voltage	-0.6	Volts
Cycles left to self heal	40	No Unit
Fault trigger level 1	False	
Fault trigger level 2	False	
Fault trigger level 3	False	
Fault Path	01	
HV Battery Charge Power 2sec	98010	watts

HV Battery Charge Power 10sec	96216	watts
HV Battery Discharge Power 2sec	98046	watts
HV Battery Discharge Power 10sec	95892	watts
HV Battery Power	007342	watts
Key - DriveRdy (CAN)	True	
Battery Lifetime Number Of Closes	1401	
Battery Full AmpHr Capacity	46	AmpHrs
Cell Impedance Max Discharge	0	mOhms
Cell Impedance Mim Discharge	0	mOhms
Battery Cell Voltage Maximum	3802	mV
Battery Cell Voltage Minimum	3777	mV
Battery Cell Voltage Average	3786	mV
Battery Cell Highest Cell number	90	
Battery Cell Lowest Cell number	31	
HV Battery Voltage (cell sum)	363.50	Volts
HV Battery Voltage (Module Sum)	363.20	Volts
HV Sensor A Pack Voltage	363.40	Volts
HV Sensor B Bus\Link (Pre-Fuse) Voltage	363.50	Volts
HV Sensor C OBCM (HVOBC Fuse) Voltage	363.50	Volts
HV Sensor D Heater (HVHTR Fuse) Voltage	363.50	Volts
HV Sensor G Weld Contactor(Pack Negative) Voltage	-0.6	Volts
Battery Temperature Maximum Module	70	°F
Battery Temperature Minimum Module	68	°F
Battery Temperature Average Module	68	°F
Battery Temperature Highest Sensor number	12	
Battery Temperature Lowest Sensor number	05	
Battery Temperature Number of Failing Sensors	00	
HV Cooling Pump Relay Drive	Not Sourced	
HV Cooling Battery coolant inlet temp	72	°F
HV Cooling Battery coolant outlet temp	73	°F
HV Cooling OBCM temp inlet Temp	113	°F
Pump - Battery Coolant Level Low	False	
Isolation Vehicle Diagnostic Status	Run and Passed	
Isolation Vehicle Impedance	7.4367	Mega Ohms
Isolation Battery Diagnostic Status	Run and Passed	
Isolation Battery Impedance	0.8480	Mega Ohms
HV Bat SOH-R	98.8	%
HV Bat SOH-C	89.0	%
BPCM Sec Asic Reset Req	Not Active	
BPCM Sec QA Error Counter	0	cnts
BPCM Sec MM Hw Reset Error Counter	0	cnts
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 L2 ASIC Diagnostic Flt Rsn	ADCTest	
BPCM Sec HW Timer Status	Not Active	
BPCM Sec Contactor State	Close	
BPCM Main HW Timer Status	Not Active	
BPCM Sec Asic Fault State	NOTASSERTED	
BPCM L2 SM Hw Reset Error Counter	0	No Unit
Engine Speed	0	rpm
Accelerator position	0.0	%
Real time clock	429496.7295	seconds
Real time clock-OS Task Delay Timer	0	
Real Time Clock Validity	True	
DTC	C5 94 00	
Test Failed	False	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number - All	01	
Occurrence flag	Error	
Original Odometer Value	7347	miles
Most Recent Odometer Value	7347	miles
DTC Extended Data Record Number - 2	AB	

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

NAME	VALUE	UNITS
Frequency Counter	5	
Ignition Cycle Counter	1	
FoM - for this DTC (lifetime fails)	24	events
FoM - for this DTC (lifetime fails counts on pass)	0.0000	seconds
FoM - for this DTC (lifetime longest fail on pass)	0.000	seconds
Battery Total Time Awake	39091296	seconds
Key in Ignition	Key_Def	
Key Position	07	
EPT -WakeUp	Sourced	
HCP Contactor Command	Closed	
Qualified Contactor Command - QCC	Impending_Open	
Verified Contactor Command - VCC	Closed Unrestricted	
Contactor Status	Closed	
Plug in Status	plug in charge (with current)	

ChargingLevel	Plugged into 208V to 240V AC (11.5kW)	
Balance Mode	False	
Battery in Periodic wake up (Just battery) at time of Fault	False	
Battery in Periodic wake up (Wake up vehicle) at time of Fault	False	
Vehicle mileage at time of fault (ODO signal in $3D2)	7350.65	miles
Battery Lifetime Miles	64F4CF	miles
Vehicle Speed	0.0	MPH
System (12) Volts at time of fault	14.537	Volts
Battery Lifetime AmpHrs of Charge	6660.4	AHr
Battery Lifetime AmpHrs of DisCharge	6637.9	AHr
SOC at time of Fault	60.8	%
Power Up SOC at time of Fault	34.9	%
HVIL Status -Vehicle	PASS	
HVIL Status - Battery pack	PASS	
HVIL PWM Duty Cycle - Vehicle	50.2	%
HVIL PWM Frequency - Vehicle	87.9	Hz
HVIL PWM peak voltage Sourced - Vehicle	13.256	Volts
HVIL PWM peak voltage Sensed - Vehicle	13.217	Volts
HVIL Source Voltage- Battery	1.377	Volts
HVIL Returned current - Battery	30.40	mA
HV Battery Current Sensor 1 Hall High	-1.05	Amps
HV Battery Current Sensor 2 Hall Low	0.40	Amps
HV Battery Current HVBatCrnt	0.45	Amps
HV Cooling Speed Pump 1 Target	0	rpm
HV Cooling Speed pump 1 Speed	0	rpm
Charge indicator Temp	118	°F
BPCM temperature max	68	°F
BPCM temperature min	68	°F
Pump - Wire Open\Short to Gnd	PASS	
Pump - Dry Run Detection	PASS	
Pump - Overcurrent	PASS	
Pump - Overtemperature	PASS	
Pump - Switch Power Shorted	PASS	
Isolation Circuitry Va	2.497	Volts
Isolation Circuitry Vb	2.501	Volts
Isolation Circuitry Vd	0.000	Volts
WC and Circuitry 2.5V Reference Voltage	2.498	Volts
WC and Circuitry Vcc Voltage	5.026	Volts
WC and CircuitryISO 8V Reference Voltage	7.971	Volts
WC and Circuitry Weld Contactor Sensor G (Pack Negative) Voltage	-0.6	Volts
Cycles left to self heal	40	No Unit
Fault trigger level 1	False	
Fault trigger level 2	False	
Fault trigger level 3	False	

Fault Path	01	
HV Battery Charge Power 2sec	97827	watts
HV Battery Charge Power 10sec	96036	watts
HV Battery Discharge Power 2sec	97851	watts
HV Battery Discharge Power 10sec	95721	watts
HV Battery Power	007541	watts
Key - DriveRdy (CAN)	True	
Battery Lifetime Number Of Closes	1400	
Battery Full AmpHr Capacity	46	AmpHrs
Cell Impedance Max Discharge	0	mOhms
Cell Impedance Mim Discharge	0	mOhms
Battery Cell Voltage Maximum	3793	mV
Battery Cell Voltage Minimum	3770	mV
Battery Cell Voltage Average	3778	mV
Battery Cell Highest Cell number	94	
Battery Cell Lowest Cell number	31	
HV Battery Voltage (cell sum)	362.70	Volts
HV Battery Voltage (Module Sum)	362.30	Volts
HV Sensor A Pack Voltage	362.50	Volts
HV Sensor B Bus\Link (Pre-Fuse) Voltage	362.70	Volts
HV Sensor C OBCM (HVOBC Fuse) Voltage	362.70	Volts
HV Sensor D Heater (HVHTR Fuse) Voltage	362.50	Volts
HV Sensor G Weld Contactor(Pack Negative) Voltage	-0.6	Volts
Battery Temperature Maximum Module	68	°F
Battery Temperature Minimum Module	68	°F
Battery Temperature Average Module	68	°F
Battery Temperature Highest Sensor number	12	
Battery Temperature Lowest Sensor number	05	
Battery Temperature Number of Failing Sensors	00	
HV Cooling Pump Relay Drive	Not Sourced	
HV Cooling Battery coolant inlet temp	70	°F
HV Cooling Battery coolant outlet temp	72	°F
HV Cooling OBCM temp inlet Temp	117	°F
Pump - Battery Coolant Level Low	False	
Isolation Vehicle Diagnostic Status	Run and Passed	
Isolation Vehicle Impedance	7.3605	Mega Ohms
Isolation Battery Diagnostic Status	Run and Passed	
Isolation Battery Impedance	0.8480	Mega Ohms
HV Bat SOH-R	98.8	%
HV Bat SOH-C	89.0	%
BPCM Sec Asic Reset Req	Not Active	
BPCM Sec QA Error Counter	0	cnts
BPCM Sec MM Hw Reset Error Counter	0	cnts
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 L2 ASIC Diagnostic Flt Rsn	ADCTest	
BPCM Sec HW Timer Status	Not Active	
BPCM Sec Contactor State	Close	
BPCM Main HW Timer Status	Not Active	
BPCM Sec Asic Fault State	NOTASSERTED	
BPCM L2 SM Hw Reset Error Counter	0	No Unit
Engine Speed	0	rpm
Accelerator position	0.0	%
Real time clock	429496.7295	seconds
Real time clock-OS Task Delay Timer	1	
Real Time Clock Validity	True	
DTC	C2 93 00	
Test Failed	False	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number - All	01	
Occurrence flag	Error	
Original Odometer Value	7347	miles
Most Recent Odometer Value	7347	miles
DTC Extended Data Record Number - 2	A8	

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

NAME	VALUE	UNITS
Frequency Counter	4	
Ignition Cycle Counter	1	
FoM - for this DTC (lifetime fails)	19	events
FoM - for this DTC (lifetime fails counts on pass)	70.6900	seconds
FoM - for this DTC (lifetime longest fail on pass)	0.180	seconds
Battery Total Time Awake	39091288	seconds
Key in Ignition	Key_Def	
Key Position	07	
EPT -WakeUp	Sourced	
HCP Contactor Command	Closed	
Qualified Contactor Command - QCC	Closed	
Verified Contactor Command - VCC	Closed Restricted	

Contactor Status	Closed	
Plug in Status	plug in charge (with current)	
ChargingLevel	Plugged into 208V to 240V AC (11.5kW)	
Balance Mode	False	
Battery in Periodic wake up (Just battery) at time of Fault	False	
Battery in Periodic wake up (Wake up vehicle) at time of Fault	False	
Vehicle mileage at time of fault (ODO signal in $3D2)	7350.65	miles
Battery Lifetime Miles	64F4CF	miles
Vehicle Speed	0.0	MPH
System (12) Volts at time of fault	14.537	Volts
Battery Lifetime AmpHrs of Charge	6660.3	AHr
Battery Lifetime AmpHrs of DisCharge	6637.9	AHr
SOC at time of Fault	60.4	%
Power Up SOC at time of Fault	34.9	%
HVIL Status -Vehicle	PASS	
HVIL Status - Battery pack	PASS	
HVIL PWM Duty Cycle - Vehicle	50.2	%
HVIL PWM Frequency - Vehicle	87.9	Hz
HVIL PWM peak voltage Sourced - Vehicle	13.399	Volts
HVIL PWM peak voltage Sensed - Vehicle	13.313	Volts
HVIL Source Voltage- Battery	1.377	Volts
HVIL Returned current - Battery	30.40	mA
HV Battery Current Sensor 1 Hall High	-17.50	Amps
HV Battery Current Sensor 2 Hall Low	-14.20	Amps
HV Battery Current HVBatCrnt	-14.15	Amps
HV Cooling Speed Pump 1 Target	0	rpm
HV Cooling Speed pump 1 Speed	0	rpm
Charge indicator Temp	118	°F
BPCM temperature max	68	°F
BPCM temperature min	68	°F
Pump - Wire Open\Short to Gnd	PASS	
Pump - Dry Run Detection	PASS	
Pump - Overcurrent	PASS	
Pump - Overtemperature	PASS	
Pump - Switch Power Shorted	PASS	
Isolation Circuitry Va	2.497	Volts
Isolation Circuitry Vb	2.501	Volts
Isolation Circuitry Vd	0.000	Volts
WC and Circuitry 2.5V Reference Voltage	2.498	Volts
WC and Circuitry Vcc Voltage	5.026	Volts
WC and CircuitryISO 8V Reference Voltage	7.971	Volts
WC and Circuitry Weld Contactor Sensor G (Pack Negative) Voltage	-0.6	Volts
Cycles left to self heal	40	No Unit
Fault trigger level 1	False	

Fault trigger level 2	False	
Fault trigger level 3	False	
Fault Path	01	
HV Battery Charge Power 2sec	97812	watts
HV Battery Charge Power 10sec	96018	watts
HV Battery Discharge Power 2sec	97833	watts
HV Battery Discharge Power 10sec	95706	watts
HV Battery Power	00732C	watts
Key - DriveRdy (CAN)	True	
Battery Lifetime Number Of Closes	1400	
Battery Full AmpHr Capacity	46	AmpHrs
Cell Impedance Max Discharge	0	mOhms
Cell Impedance Mim Discharge	0	mOhms
Battery Cell Voltage Maximum	3807	mV
Battery Cell Voltage Minimum	3783	mV
Battery Cell Voltage Average	3792	mV
Battery Cell Highest Cell number	94	
Battery Cell Lowest Cell number	31	
HV Battery Voltage (cell sum)	364.00	Volts
HV Battery Voltage (Module Sum)	363.70	Volts
HV Sensor A Pack Voltage	363.90	Volts
HV Sensor B Bus\Link (Pre-Fuse) Voltage	364.00	Volts
HV Sensor C OBCM (HVOBC Fuse) Voltage	364.00	Volts
HV Sensor D Heater (HVHTR Fuse) Voltage	364.00	Volts
HV Sensor G Weld Contactor(Pack Negative) Voltage	-0.6	Volts
Battery Temperature Maximum Module	68	°F
Battery Temperature Minimum Module	68	°F
Battery Temperature Average Module	68	°F
Battery Temperature Highest Sensor number	12	
Battery Temperature Lowest Sensor number	05	
Battery Temperature Number of Failing Sensors	00	
HV Cooling Pump Relay Drive	Not Sourced	
HV Cooling Battery coolant inlet temp	70	°F
HV Cooling Battery coolant outlet temp	72	°F
HV Cooling OBCM temp inlet Temp	117	°F
Pump - Battery Coolant Level Low	False	
Isolation Vehicle Diagnostic Status	Run and Passed	
Isolation Vehicle Impedance	7.3605	Mega Ohms
Isolation Battery Diagnostic Status	Run and Passed	
Isolation Battery Impedance	0.8480	Mega Ohms
HV Bat SOH-R	98.8	%
HV Bat SOH-C	89.0	%
BPCM Sec Asic Reset Req	Not Active	
BPCM Sec QA Error Counter	0	cnts

BPCM Sec MM Hw Reset Error Counter	0	cnts
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 L2 ASIC Diagnostic Flt Rsn	ADCTest	
BPCM Sec HW Timer Status	Not Active	
BPCM Sec Contactor State	Close	
BPCM Main HW Timer Status	Not Active	
BPCM Sec Asic Fault State	NOTASSERTED	
BPCM L2 SM Hw Reset Error Counter	0	No Unit
Engine Speed	0	rpm
Accelerator position	0.0	%
Real time clock	429496.7295	seconds
Real time clock-OS Task Delay Timer	1	
Real Time Clock Validity	True	
DTC	C0 74 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	
Original Odometer Value	7347	miles
Most Recent Odometer Value	7347	miles
DTC Extended Data Record Number - 2	A5	

HCP | U0073-00 | Stored | Hybrid/EV Bus Off-

NAME	VALUE	UNITS
DTC	C0 73 00	
Test Failed	False	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	True	
Occurrence flag	Occurrence	

Original Odometer Value	7350.8	miles
Most Recent Odometer Value	7350.8	miles
Frequency Counter	9	
Ignition Cycle Counter	0	
Real time clock	39096968	sec
RAM stamps keyOn	105	sec
RAM Stamps	45522	Min
Accelerator Pedal Position	0	%
Brake Switch Status	Not Applied	
Engine Speed	0	rpm
HV Battery SOC	61	%
Ignition State	Reserved	
PRND Position Display	P	
Propulsion System Active	True	
Vehicle Speed	0.0000	MPH
Motor A Temp Sensor	88	°F
Motor B Temp Sensor	91	°F
Barometric Pressure	15	PSI
Engine Coolant Temperature	90	°F
Internal EPS Voltage Sense A	8.208	Volts
Internal EPS Voltage Sense B	8.136	Volts
Motor A Torque	0.000	Ft-Lbs
Motor B Torque	0.000	Ft-Lbs
Actual Torque - Motor A	0.000	Ft-Lbs
Actual Torque - Motor B	0.000	Ft-Lbs
Available Motor Torque - Motor A	87.205	Ft-Lbs
Available Motor Torque - Motor B	232.301	Ft-Lbs
Available Regen Torque - Motor A	-87.205	Ft-Lbs
Available Regen Torque - Motor B	-232.301	Ft-Lbs
Commanded Torque - Motor A	0.000	Ft-Lbs
Commanded Torque - Motor B	0.000	Ft-Lbs
Motor A - Inverter Current - phase A	-4	AMP
Motor A - Inverter Current - phase B	0	AMP
Motor A - Inverter Current - phase C	0	AMP
Motor B - Inverter Current - phase A	-4	AMP
Motor B - Inverter Current - phase B	0	AMP
Motor B - Inverter Current - phase C	-4	AMP
Motor B Resolver Angle	156	Degree
Motor A Resolver Angle	282	Degree
Electric Motor A Speed	0.0	rpm
Electric Motor B Speed	0.0	rpm
PIM DC Link Voltage - A	363	Volts
PIM DC Link Voltage - B	360	Volts
HCP ePT Wake-Up Output	On	

CBC Wake-Up Input	Off	
HCP System Shutdown Command	Default	
HV Battery Voltage from BPCM	361.50	Volts
SW Build Release Version	PIM_C19A_2003B0_RU_HCP__	
HCP SW Version	C19A	
EPT LOC Diag Enable	Enable LOC Diagnostic	
HV Contactor Status	Closed	
APM Status	Buck CV	
Impact Event	False	
Outside Air Temperature	68.0	°F
OBCM Operating Mode	UTC	
J1772 Prox Detected State	Prox Out	
HV Battery Sleep Time	0	Days
Battery Feed Voltage 1 Sense	14.544	Volts
Battery Feed Voltage 2 Sense	14.544	Volts
Battery Feed Voltage 3 Sense	14.400	Volts
Hybrid System State	Propulsion System Active	
Inverter A IGBT Temperature for phase A	86	°F
Inverter A IGBT Temperature for phase B	86	°F
Inverter A IGBT Temperature for phase C	86	°F
Inverter B IGBT Temperature for phase A	88	°F
Inverter B IGBT Temperature for phase B	86	°F
Inverter B IGBT Temperature for phase C	88	°F
PHEV Charging Status	No Charging	
Distance Travelled with Light ON	0	miles
GPS Date - Year	0	Year
GPS Date - Month	1	
GPS Date - Day	1	Days
UTC Time - Hours	0	Hours
UTC Time - Minutes	0	
UTC Time - Seconds	0	seconds
ECU Time - Milliseconds	0	ms

HCP | U0111-00 | Stored | Lost Communication With Battery Energy Control Module-

NAME	VALUE	UNITS
DTC	C1 11 00	
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	True	

Occurrence flag	Occurrence	
Original Odometer Value	7350.8	miles
Most Recent Odometer Value	7350.8	miles
Frequency Counter	1	
Ignition Cycle Counter	0	
Real time clock	39091516	sec
RAM stamps keyOn	75	sec
RAM Stamps	45520	Min
Accelerator Pedal Position	0	%
Brake Switch Status	Not Applied	
Engine Speed	0	rpm
HV Battery SOC	61	%
Ignition State	Ignition Lock	
PRND Position Display	P	
Propulsion System Active	False	
Vehicle Speed	0.0000	MPH
Motor A Temp Sensor	97	°F
Motor B Temp Sensor	91	°F
Barometric Pressure	15	PSI
Engine Coolant Temperature	176	°F
Internal EPS Voltage Sense A	8.208	Volts
Internal EPS Voltage Sense B	8.136	Volts
Motor A Torque	0.000	Ft-Lbs
Motor B Torque	0.000	Ft-Lbs
Actual Torque - Motor A	0.000	Ft-Lbs
Actual Torque - Motor B	0.000	Ft-Lbs
Available Motor Torque - Motor A	87.205	Ft-Lbs
Available Motor Torque - Motor B	232.301	Ft-Lbs
Available Regen Torque - Motor A	-87.205	Ft-Lbs
Available Regen Torque - Motor B	-232.301	Ft-Lbs
Commanded Torque - Motor A	0.000	Ft-Lbs
Commanded Torque - Motor B	0.000	Ft-Lbs
Motor A - Inverter Current - phase A	0	AMP
Motor A - Inverter Current - phase B	-4	AMP
Motor A - Inverter Current - phase C	-4	AMP
Motor B - Inverter Current - phase A	-4	AMP
Motor B - Inverter Current - phase B	-4	AMP
Motor B - Inverter Current - phase C	0	AMP
Motor B Resolver Angle	156	Degree
Motor A Resolver Angle	124	Degree
Electric Motor A Speed	0.0	rpm
Electric Motor B Speed	0.0	rpm
PIM DC Link Voltage - A	364	Volts
PIM DC Link Voltage - B	362	Volts

HCP ePT Wake-Up Output	On	
CBC Wake-Up Input	Off	
HCP System Shutdown Command	Default	
HV Battery Voltage from BPCM	363.10	Volts
SW Build Release Version	PIM_C19A_2003B0_RU_HCP__	
HCP SW Version	C19A	
EPT LOC Diag Enable	Enable Limited LOC Diagnostic	
HV Contactor Status	Closed	
APM Status	Buck CV	
Impact Event	False	
Outside Air Temperature	69.8	°F
OBCM Operating Mode	Stop	
J1772 Prox Detected State	Prox Detected	
HV Battery Sleep Time	0	Days
Battery Feed Voltage 1 Sense	13.680	Volts
Battery Feed Voltage 2 Sense	13.680	Volts
Battery Feed Voltage 3 Sense	13.536	Volts
Hybrid System State	High Voltage Enabled	
Inverter A IGBT Temperature for phase A	111	°F
Inverter A IGBT Temperature for phase B	113	°F
Inverter A IGBT Temperature for phase C	111	°F
Inverter B IGBT Temperature for phase A	113	°F
Inverter B IGBT Temperature for phase B	113	°F
Inverter B IGBT Temperature for phase C	111	°F
PHEV Charging Status	No Charging	
Distance Travelled with Light ON	0	miles
GPS Date - Year	0	Year
GPS Date - Month	1	
GPS Date - Day	1	Days
UTC Time - Hours	0	Hours
UTC Time - Minutes	0	
UTC Time - Seconds	0	seconds
ECU Time - Milliseconds	0	ms

HCP | U0293-00 | Pending | Lost Communication with Hybrid Control Module "A"-

NAME	VALUE	UNITS
DTC	C2 93 00	
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	True	
Confirmed DTC	False	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	

Warning Indicator Requested	False	
DTC Extended Data Record Number		
Occurrence flag		
Original Odometer Value		miles
Most Recent Odometer Value		miles
Frequency Counter		
Ignition Cycle Counter		
Real time clock		sec
RAM stamps keyOn		sec
RAM Stamps		Min
Accelerator Pedal Position		%
Brake Switch Status		
Engine Speed		rpm
Ignition State		
PRND Position Display		
Propulsion System Active		
Vehicle Speed		MPH
Barometric Pressure		PSI
Engine Coolant Temperature		°F
HVIL Sense Input State		
No Charging Reasons		
Battery Feed Voltage 2 Sense		Volts
Internal EPS Voltage Sense A		Volts
Internal EPS Voltage Sense B		Volts
HCP ePT Wake-Up Output		
CBC Wake-Up Input		
Hybrid System State		
SW Build Release Version		
HCP SW Version		
EPT LOC Diag Enable		
CAN Overrun Counter		Number
Impact Event		
Outside Air Temperature		°F
Maximum Charge Current Allowed		Amps
Charge Current Available		AMP
OBCM Derating Reason		
OBCM Operating Mode		
HCP Commanded OBCM Mode		
J1772 Prox Detected State		
J1772 Pilot Detected State		
OBCM J1772 S2 Status		
HCP J1772 S2 Close Command		
OBCM Ready to Charge		
HCP Command to Enable Charging		

HCP Charging System Status		
HCP Charging Level		
HCP Charging System Fault		
HCP Charging Fault Reason		
HV Battery Contactor State		
DC Voltage Not Detected		
AC Voltage Detected		
HV Battery Actual Current		AMP
AC Voltage for Charging		Volts
AC Current During Charging		Amps
Maximum EVSE Current Available		AMP
HCP Charging Current Command		AMP
HCP Charging Voltage Command		Volts
DC Charging Current		Amps
OBCM Charging Voltage		Volts
OBCM Module A Max Temperature		°F
OBCM Module B Max Temperature		°F
OBCM Module A PCB Temperature		°F
OBCM Module B PCB Temperature		°F
OBCM Accumulated Charging Time		hrs
OBCM Charging Power		KW-Hrs
HV Battery Pump Current		AMP
Radiator Fan Command		%
HV Battery Inlet Temperature		°F
HV Battery Outlet Temperature		°F
HV Battery Min Cell Voltage		Volts
Max Cell Voltage		Volts
Min Cell Temperature		°F
Max Cell Temperature		°F
HV Battery Sleep Time		Days
HV Battery SOC		%
Battery Feed Voltage 1 Sense		Volts
Battery Feed Voltage 3 Sense		Volts
Actual Torque - Motor A		Ft-Lbs
Actual Torque - Motor B		Ft-Lbs
Available Motor Torque - Motor A		Ft-Lbs
Available Motor Torque - Motor B		Ft-Lbs
Available Regen Torque - Motor A		Ft-Lbs
Available Regen Torque - Motor B		Ft-Lbs
Commanded Torque - Motor A		Ft-Lbs
Commanded Torque - Motor B		Ft-Lbs
Motor A - Inverter Current - phase A		AMP
Motor A - Inverter Current - phase B		AMP
Motor A - Inverter Current - phase C		AMP

Motor B - Inverter Current - phase A		AMP
Motor B - Inverter Current - phase B		AMP
Motor B - Inverter Current - phase C		AMP
Motor A Resolver Angle		Degree
Motor B Resolver Angle		Degree
Motor A Temp Sensor		°F
Motor B Temp Sensor		°F
HV Contactor Status		
HV Battery Voltage from BPCM		Volts
Electric Motor A Speed		rpm
Electric Motor B Speed		rpm
PIM DC Link Voltage - A		Volts
PIM DC Link Voltage - B		Volts
Inverter A IGBT Temperature for phase A		°F
Inverter A IGBT Temperature for phase B		°F
Inverter A IGBT Temperature for phase C		°F
Inverter B IGBT Temperature for phase A		°F
Inverter B IGBT Temperature for phase B		°F
Inverter B IGBT Temperature for phase C		°F
APM Status		
HCP System Shutdown Command		
PHEV Charging Status		
Distance Travelled with Light ON		miles
Motor A Torque		Ft-Lbs
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 | U0624-00 | Pending | Lost Communication with Coolant Pump "B"-

NAME	VALUE	UNITS
DTC	C6 24 00	
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	True	
Confirmed DTC	False	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	

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

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

HCP | U1814-00 | Pending | OBCM Lost Communication with BPCM-

NAME	VALUE	UNITS
DTC	D8 14 00	
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	True	
Confirmed DTC	False	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number		
Occurrence flag		
Original Odometer Value		miles
Most Recent Odometer Value		miles
Frequency Counter		
Ignition Cycle Counter		
Real time clock		sec
RAM stamps keyOn		sec
RAM Stamps		Min
Accelerator Pedal Position		%
Brake Switch Status		
Engine Speed		rpm
Ignition State		
PRND Position Display		
Propulsion System Active		
Vehicle Speed		MPH
Barometric Pressure		PSI
Engine Coolant Temperature		°F
HVIL Sense Input State		
No Charging Reasons		
Battery Feed Voltage 2 Sense		Volts
Internal EPS Voltage Sense A		Volts
Internal EPS Voltage Sense B		Volts
HCP ePT Wake-Up Output		
CBC Wake-Up Input		
Hybrid System State		
SW Build Release Version		
HCP SW Version		
EPT LOC Diag Enable		
CAN Overrun Counter		Number
Impact Event		
Outside Air Temperature		°F
Maximum Charge Current Allowed		Amps

Charge Current Available		AMP
OBCM Derating Reason		
OBCM Operating Mode		
HCP Commanded OBCM Mode		
J1772 Prox Detected State		
J1772 Pilot Detected State		
OBCM J1772 S2 Status		
HCP J1772 S2 Close Command		
OBCM Ready to Charge		
HCP Command to Enable Charging		
HCP Charging System Status		
HCP Charging Level		
HCP Charging System Fault		
HCP Charging Fault Reason		
HV Battery Contactor State		
DC Voltage Not Detected		
AC Voltage Detected		
HV Battery Actual Current		AMP
AC Voltage for Charging		Volts
AC Current During Charging		Amps
Maximum EVSE Current Available		AMP
HCP Charging Current Command		AMP
HCP Charging Voltage Command		Volts
DC Charging Current		Amps
OBCM Charging Voltage		Volts
OBCM Module A Max Temperature		°F
OBCM Module B Max Temperature		°F
OBCM Module A PCB Temperature		°F
OBCM Module B PCB Temperature		°F
OBCM Accumulated Charging Time		hrs
OBCM Charging Power		KW-Hrs
HV Battery Pump Current		AMP
Radiator Fan Command		%
HV Battery Inlet Temperature		°F
HV Battery Outlet Temperature		°F
HV Battery Min Cell Voltage		Volts
Max Cell Voltage		Volts
Min Cell Temperature		°F
Max Cell Temperature		°F
HV Battery Sleep Time		Days
HV Battery SOC		%
Battery Feed Voltage 1 Sense		Volts
Battery Feed Voltage 3 Sense		Volts
Actual Torque - Motor A		Ft-Lbs

Actual Torque - Motor B		Ft-Lbs
Available Motor Torque - Motor A		Ft-Lbs
Available Motor Torque - Motor B		Ft-Lbs
Available Regen Torque - Motor A		Ft-Lbs
Available Regen Torque - Motor B		Ft-Lbs
Commanded Torque - Motor A		Ft-Lbs
Commanded Torque - Motor B		Ft-Lbs
Motor A - Inverter Current - phase A		AMP
Motor A - Inverter Current - phase B		AMP
Motor A - Inverter Current - phase C		AMP
Motor B - Inverter Current - phase A		AMP
Motor B - Inverter Current - phase B		AMP
Motor B - Inverter Current - phase C		AMP
Motor A Resolver Angle		Degree
Motor B Resolver Angle		Degree
Motor A Temp Sensor		°F
Motor B Temp Sensor		°F
HV Contactor Status		
HV Battery Voltage from BPCM		Volts
Electric Motor A Speed		rpm
Electric Motor B Speed		rpm
PIM DC Link Voltage - A		Volts
PIM DC Link Voltage - B		Volts
Inverter A IGBT Temperature for phase A		°F
Inverter A IGBT Temperature for phase B		°F
Inverter A IGBT Temperature for phase C		°F
Inverter B IGBT Temperature for phase A		°F
Inverter B IGBT Temperature for phase B		°F
Inverter B IGBT Temperature for phase C		°F
APM Status		
HCP System Shutdown Command		
PHEV Charging Status		
Distance Travelled with Light ON		miles
Motor A Torque		Ft-Lbs
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 | U1817-00 | Stored | Lost Communication With Hybrid Powertrain Control Module on D-PT-

NAME	VALUE	UNITS
DTC	D8 17 00	
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	True	
Occurrence flag	Occurrence	
Original Odometer Value	7350.8	miles
Most Recent Odometer Value	7350.8	miles
Frequency Counter	5	
Ignition Cycle Counter	0	
Real time clock	39091588	sec
RAM stamps keyOn	135	sec
RAM Stamps	45521	Min
Accelerator Pedal Position	0	%
Brake Switch Status	Not Applied	
Engine Speed	0	rpm
HV Battery SOC	62	%
Ignition State	Ignition Lock	
PRND Position Display	P	
Propulsion System Active	False	
Vehicle Speed	0.0000	MPH
Motor A Temp Sensor	97	°F
Motor B Temp Sensor	91	°F
Barometric Pressure	15	PSI
Engine Coolant Temperature	176	°F
Internal EPS Voltage Sense A	8.208	Volts
Internal EPS Voltage Sense B	8.136	Volts
Motor A Torque	0.000	Ft-Lbs
Motor B Torque	0.000	Ft-Lbs
Actual Torque - Motor A	0.000	Ft-Lbs
Actual Torque - Motor B	0.000	Ft-Lbs
Available Motor Torque - Motor A	87.205	Ft-Lbs
Available Motor Torque - Motor B	232.301	Ft-Lbs
Available Regen Torque - Motor A	-87.205	Ft-Lbs
Available Regen Torque - Motor B	-232.301	Ft-Lbs
Commanded Torque - Motor A	0.000	Ft-Lbs
Commanded Torque - Motor B	0.000	Ft-Lbs
Motor A - Inverter Current - phase A	-4	AMP
Motor A - Inverter Current - phase B	0	AMP

Motor A - Inverter Current - phase C	-4	AMP
Motor B - Inverter Current - phase A	0	AMP
Motor B - Inverter Current - phase B	-4	AMP
Motor B - Inverter Current - phase C	0	AMP
Motor B Resolver Angle	156	Degree
Motor A Resolver Angle	124	Degree
Electric Motor A Speed	0.0	rpm
Electric Motor B Speed	0.0	rpm
PIM DC Link Voltage - A	368	Volts
PIM DC Link Voltage - B	365	Volts
HCP ePT Wake-Up Output	On	
CBC Wake-Up Input	Off	
HCP System Shutdown Command	Default	
HV Battery Voltage from BPCM	366.30	Volts
SW Build Release Version	PIM_C19A_2003B0_RU_HCP__	
HCP SW Version	C19A	
EPT LOC Diag Enable	Enable Limited LOC Diagnostic	
HV Contactor Status	Closed	
APM Status	Buck CV	
Impact Event	False	
Outside Air Temperature	70.7	°F
OBCM Operating Mode	charge	
J1772 Prox Detected State	Prox Detected	
HV Battery Sleep Time	0	Days
Battery Feed Voltage 1 Sense	14.328	Volts
Battery Feed Voltage 2 Sense	14.328	Volts
Battery Feed Voltage 3 Sense	14.184	Volts
Hybrid System State	High Voltage Enabled	
Inverter A IGBT Temperature for phase A	111	°F
Inverter A IGBT Temperature for phase B	111	°F
Inverter A IGBT Temperature for phase C	111	°F
Inverter B IGBT Temperature for phase A	111	°F
Inverter B IGBT Temperature for phase B	113	°F
Inverter B IGBT Temperature for phase C	111	°F
PHEV Charging Status	Charging	
Distance Travelled with Light ON	0	miles
GPS Date - Year	0	Year
GPS Date - Month	1	
GPS Date - Day	1	Days
UTC Time - Hours	0	Hours
UTC Time - Minutes	0	
UTC Time - Seconds	0	seconds
ECU Time - Milliseconds	0	ms

HCP | U1852-00 | Active | Implausible Data Received from ABS on D-PT-

NAME	VALUE	UNITS
DTC	D8 52 00	
Test Failed	True	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	True	
Occurrence flag	Occurrence	
Original Odometer Value	7350.8	miles
Most Recent Odometer Value	7350.8	miles
Frequency Counter	1	
Ignition Cycle Counter	0	
Real time clock	39096968	sec
RAM stamps keyOn	90	sec
RAM Stamps	45522	Min
Accelerator Pedal Position	0	%
Brake Switch Status	Not Applied	
Engine Speed	0	rpm
HV Battery SOC	61	%
Ignition State	Reserved	
PRND Position Display	P	
Propulsion System Active	True	
Vehicle Speed	0.0000	MPH
Motor A Temp Sensor	88	°F
Motor B Temp Sensor	91	°F
Barometric Pressure	15	PSI
Engine Coolant Temperature	90	°F
Internal EPS Voltage Sense A	8.208	Volts
Internal EPS Voltage Sense B	8.136	Volts
Motor A Torque	0.000	Ft-Lbs
Motor B Torque	-23.046	Ft-Lbs
Actual Torque - Motor A	0.000	Ft-Lbs
Actual Torque - Motor B	-23.046	Ft-Lbs
Available Motor Torque - Motor A	87.205	Ft-Lbs
Available Motor Torque - Motor B	232.301	Ft-Lbs
Available Regen Torque - Motor A	-87.205	Ft-Lbs
Available Regen Torque - Motor B	-232.301	Ft-Lbs
Commanded Torque - Motor A	0.000	Ft-Lbs
Commanded Torque - Motor B	-23.046	Ft-Lbs
Motor A - Inverter Current - phase A	-4	AMP

Motor A - Inverter Current - phase B	-4	AMP
Motor A - Inverter Current - phase C	-4	AMP
Motor B - Inverter Current - phase A	32	AMP
Motor B - Inverter Current - phase B	12	AMP
Motor B - Inverter Current - phase C	-52	AMP
Motor B Resolver Angle	156	Degree
Motor A Resolver Angle	282	Degree
Electric Motor A Speed	0.5	rpm
Electric Motor B Speed	0.5	rpm
PIM DC Link Voltage - A	363	Volts
PIM DC Link Voltage - B	360	Volts
HCP ePT Wake-Up Output	On	
CBC Wake-Up Input	Off	
HCP System Shutdown Command	Default	
HV Battery Voltage from BPCM	361.60	Volts
SW Build Release Version	PIM_C19A_2003B0_RU_HCP__	
HCP SW Version	C19A	
EPT LOC Diag Enable	Enable LOC Diagnostic	
HV Contactor Status	Closed	
APM Status	Buck CV	
Impact Event	False	
Outside Air Temperature	68.0	°F
OBCM Operating Mode	UTC	
J1772 Prox Detected State	Prox Out	
HV Battery Sleep Time	0	Days
Battery Feed Voltage 1 Sense	14.616	Volts
Battery Feed Voltage 2 Sense	14.616	Volts
Battery Feed Voltage 3 Sense	14.472	Volts
Hybrid System State	Propulsion System Active	
Inverter A IGBT Temperature for phase A	86	°F
Inverter A IGBT Temperature for phase B	86	°F
Inverter A IGBT Temperature for phase C	86	°F
Inverter B IGBT Temperature for phase A	93	°F
Inverter B IGBT Temperature for phase B	90	°F
Inverter B IGBT Temperature for phase C	93	°F
PHEV Charging Status	No Charging	
Distance Travelled with Light ON	0	miles
GPS Date - Year	0	Year
GPS Date - Month	1	
GPS Date - Day	1	Days
UTC Time - Hours	0	Hours
UTC Time - Minutes	0	
UTC Time - Seconds	0	seconds
ECU Time - Milliseconds	0	ms

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	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number - All	01	
Occurrence flag	Error	
Original Odometer Value	7347	miles
Most Recent Odometer Value	0	miles
Frequency Counter	4	
Ignition Cycle Counter	2	
DTC Extended Data Record Number - Record #2	2B	
OBCM Status AC Present	AC OK	
AC Line Low	Not Valid	
AC Line High	Not Valid	
AC Side Current	0.60	Amps
AC Side Volt	208.7	Volts
HCP (EVCU) AC Current Max Cal	-0.50	Amps
HCP (EVCU) Voltage Request	400	Volts
HCP (EVCU) Current Request	15.00	AMP
Battery Not Detected	False	
Battery Voltage Under Min	Not Valid	
Battery Voltage Over Max	Not Valid	
Battery Side Current	0.20	Amps
Battery Side Voltage	184.3	Volts
HV OC	False	
HV OV	False	
HCP (EVCU) HV Current Max Cal	-12.00	Amps
HCP (EVCU) HV Volt Max Cal	152	Volt
HCP (EVCU) HV Volt Min Cal	244	Volt
OBCM Temperature 1	158	°F
OBCM Temperature 2	158	°F
OBCM Temperature 3	142	°F
OBCM Temperature 4	140	°F
NTC1 OT	False	
NTC2 OT	False	
NTC3 OT	False	
NTC4 OT	False	

External OBCM Inlet Temperature (CAN)	-40	°F
J1772 ICA	30	AMP
J1772 S2 Close	Closed	
J1772 Stat	Connection Ready Vent Req	
J1772 S2 Status	Closed	
Control Pilot Amplitude	5.784	Volts
Control Pilot Duty Cycle	49.78	%
Control Pilot Frequency	985	Hz
EVSE Pilot Stat	CP DET	
Prox Stat	Prox Detected	
Prox Voltage	1.435	Volt
OBC Idle Tml	116	hrs
Watt-Hours of AC Power	4669	W-Hrs
Watt Hours of Charge the HV Bus	4379	W-Hrs
OBCM Mode	Stop	
OBCM Charger Ready	On	
OBCM WU Status	On	
Charge Enable Status	Chrg Disable	
HCP (EVCU) Shutdown Command	EVCU Operational	
HCP (EVCU) Enable Charge Command	Charge enable	
HCP (EVCU) OBC Mode Request	charge	
Generic Fail Sts	At Least One DTC set on Sys Mem	
Chrg Fail Sts	Faulted - Charging Terminated	
OBCM Wake Up Reason	Pilot Voltage	
OBC Control Mth	Current	
OBCM Deraing Reason	AC Voltage Limit Derating	
Close Chrgr Cntctr	Open	
Chrgr Cntctr Stat	Closed	
Chrg Mode	Charge Mode	
OBCM Fault Reason	Communications Fault	
Module A Primary - PFC Temperature	145	°F
Module A Primary - LLC Temperature	140	°F
Module A Secondary - Buck Temperature	140	°F
Module A Secondary - Ambient Temperature	158	°F
Module A Primary - AC Side Volt	208.6	Volts
Module A Primary - AC Side Current	-24.60	Amps
Module A Secondary - Battery Side Voltage	184.3	Volts
Module A Secondary - Battery Side Current	-24.90	Amps
Module A Secondary - Buck Output Voltage	351.1	Volts
Module B Primary - PFC Temperature	153	°F
Module B Primary - LLC Temperature	145	°F
Module B Secondary - Buck Temperature	142	°F
Module B Secondary - Ambient Temperature	158	°F
Module B Primary - AC Side Volt	208.9	Volts

Module B Primary - AC Side Current	-24.80	Amps
Module B Secondary - Battery Side Voltage	184.3	Volts
Module B Secondary - Battery Side Current	-24.90	Amps
Module B Secondary - Buck Output Voltage	350.2	Volts
OBCM - HV Over Voltage Protect	False	
OBCM - LV Aux Over Voltage Protect	False	
OBCM - LV Aux Under Voltage Protect	False	
OBCM - LLC Over Voltage Protect	False	
OBCM - LLC Under Voltage Protect	False	
OBCM - PFC Over Voltage Protect	False	
OBCM - PFC Under Voltage Protect	False	
OBCM - Battery 12V Under Voltage Protect	False	
OBCM - Battery 12V Over Voltage Protect	False	
OBCM - AC Under Voltage Protect	False	
OBCM - AC Over Voltage Protect	False	
OBCM - AC Over Current Protect	False	
OBCM - HV Voltage Over MaxCal Protect	False	
OBCM - HV Over Current Protect	False	
OBCM - Power Stage Over Voltage Protect	False	
OBCM - Internal Memory Fault	False	
OBCM - Over Temperature Protect	False	
OBCM - HCP Loss of Communication Protect	True	
OBCM - Loss BPCM Communication Protect	True	
OBCM - CAN Bus Off	True	
OBCM - Pilot Duty Fault	False	
OBCM - Prox Range To Low	False	
OBCM - Prox Range To High	False	
OBCM - HV Voltage Under MinCal Protect	False	
OBCM - SPI Communication Fault	False	
OBCM - Pilot Short To Battery	False	
OBCM - WakeUp Output Stuck Low	False	
OBCM - WakeUp Output Stuck High	False	
OBCM - ORC Loss of Communication	False	
OBCM - HV Battery Not Contact	False	
OBCM - Loss Communication Protect	False	
OBCM - Receive HV Battery Contact Open From BPCM	False	
OBCM - Secondary Aux Over Voltage Protect	False	
OBCM - Secondary Aux Under Voltage Protect	False	
OBCM - Primary Aux Over Voltage Protect	False	
OBCM - Primary Aux Under Voltage Protect	False	
OBCM - Stuck Shutdown	False	
OBCM - Cycle Shutdown	False	
OBCM - HV Under Voltage Protect	False	
OBCM - Vehicle Impact	False	

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

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

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

Module B Secondary - Ambient Low Temperature Derating	False	
Module B Secondary - AC Input Voltage Derating	True	
Module B Secondary - HV Output Voltage Derating	False	
SBC State_DF00	00	
SBC State_DF80	00	
SBC State_E100	00	
SBC State_E180	C2	
SBC State_E300	00	
SBC State_E500	00	
SBC State_E580	00	
OBCM Charge Current Available	15.75	AMP
BPCM HV Battery Contactor Open	False	
SBC Bus Off	True	
CANSIP Bus Off	False	
OBC Charge Time	2829	sec
OBC Charge Tml	25351	hrs
OBC Idle Time	6	sec
EPT LOC Diag Enable	Enable Limited LOC Diagnostic	
HCP Shutdown Command	No Shutdown	
HV Battey Contactor Open	False	
BPCM Request for HV Contactor	False	
HV Contactor Status	Open	
Ignition on Time for DTC	0	sec

OBCM | U1814-00 | Stored | OBCM Lost Communication with BPCM-

NAME	VALUE	UNITS
DTC	D8 14 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	
Original Odometer Value	7347	miles
Most Recent Odometer Value	7347	miles
Frequency Counter	1	
Ignition Cycle Counter	2	
DTC Extended Data Record Number - Record #2	2E	
OBCM Status AC Present	AC OK	
AC Line Low	Not Valid	

AC Line High	Not Valid	
AC Side Current	3.70	Amps
AC Side Volt	208.0	Volts
HCP (EVCU) AC Current Max Cal	-0.50	Amps
HCP (EVCU) Voltage Request	400	Volts
HCP (EVCU) Current Request	15.00	AMP
Battery Not Detected	False	
Battery Voltage Under Min	Not Valid	
Battery Voltage Over Max	Not Valid	
Battery Side Current	0.20	Amps
Battery Side Voltage	184.7	Volts
HV OC	False	
HV OV	False	
HCP (EVCU) HV Current Max Cal	-12.00	Amps
HCP (EVCU) HV Volt Max Cal	152	Volt
HCP (EVCU) HV Volt Min Cal	244	Volt
OBCM Temperature 1	158	°F
OBCM Temperature 2	158	°F
OBCM Temperature 3	142	°F
OBCM Temperature 4	140	°F
NTC1 OT	False	
NTC2 OT	False	
NTC3 OT	False	
NTC4 OT	False	
External OBCM Inlet Temperature (CAN)	-40	°F
J1772 ICA	30	AMP
J1772 S2 Close	Closed	
J1772 Stat	Connection Ready Vent Req	
J1772 S2 Status	Closed	
Control Pilot Amplitude	5.832	Volts
Control Pilot Duty Cycle	49.78	%
Control Pilot Frequency	985	Hz
EVSE Pilot Stat	CP DET	
Prox Stat	Prox Detected	
Prox Voltage	1.435	Volt
OBC Idle Tml	116	hrs
Watt-Hours of AC Power	4654	W-Hrs
Watt Hours of Charge the HV Bus	4379	W-Hrs
OBCM Mode	Stop	
OBCM Charger Ready	On	
OBCM WU Status	On	
Charge Enable Status	Chrg Disable	
HCP (EVCU) Shutdown Command	EVCU Operational	
HCP (EVCU) Enable Charge Command	Charge enable	

HCP (EVCU) OBC Mode Request	charge	
Generic Fail Sts	At Least One DTC set on Sys Mem	
Chrg Fail Sts	Faulted - Charging Terminated	
OBCM Wake Up Reason	Pilot Voltage	
OBC Control Mth	Current	
OBCM Deraing Reason	AC Voltage Limit Derating	
Close Chrgr Cntctr	Open	
Chrgr Cntctr Stat	Closed	
Chrg Mode	Charge Mode	
OBCM Fault Reason	Communications Fault	
Module A Primary - PFC Temperature	145	°F
Module A Primary - LLC Temperature	140	°F
Module A Secondary - Buck Temperature	140	°F
Module A Secondary - Ambient Temperature	158	°F
Module A Primary - AC Side Volt	208.6	Volts
Module A Primary - AC Side Current	-23.90	Amps
Module A Secondary - Battery Side Voltage	184.7	Volts
Module A Secondary - Battery Side Current	-24.90	Amps
Module A Secondary - Buck Output Voltage	358.7	Volts
Module B Primary - PFC Temperature	153	°F
Module B Primary - LLC Temperature	145	°F
Module B Secondary - Buck Temperature	142	°F
Module B Secondary - Ambient Temperature	158	°F
Module B Primary - AC Side Volt	207.5	Volts
Module B Primary - AC Side Current	-22.40	Amps
Module B Secondary - Battery Side Voltage	184.8	Volts
Module B Secondary - Battery Side Current	-24.90	Amps
Module B Secondary - Buck Output Voltage	357.8	Volts
OBCM - HV Over Voltage Protect	False	
OBCM - LV Aux Over Voltage Protect	False	
OBCM - LV Aux Under Voltage Protect	False	
OBCM - LLC Over Voltage Protect	False	
OBCM - LLC Under Voltage Protect	False	
OBCM - PFC Over Voltage Protect	False	
OBCM - PFC Under Voltage Protect	False	
OBCM - Battery 12V Under Voltage Protect	False	
OBCM - Battery 12V Over Voltage Protect	False	
OBCM - AC Under Voltage Protect	False	
OBCM - AC Over Voltage Protect	False	
OBCM - AC Over Current Protect	False	
OBCM - HV Voltage Over MaxCal Protect	False	
OBCM - HV Over Current Protect	False	
OBCM - Power Stage Over Voltage Protect	False	
OBCM - Internal Memory Fault	False	

OBCM - Over Temperature Protect	False	
OBCM - HCP Loss of Communication Protect	True	
OBCM - Loss BPCM Communication Protect	True	
OBCM - CAN Bus Off	False	
OBCM - Pilot Duty Fault	False	
OBCM - Prox Range To Low	False	
OBCM - Prox Range To High	False	
OBCM - HV Voltage Under MinCal Protect	False	
OBCM - SPI Communication Fault	False	
OBCM - Pilot Short To Battery	False	
OBCM - WakeUp Output Stuck Low	False	
OBCM - WakeUp Output Stuck High	False	
OBCM - ORC Loss of Communication	False	
OBCM - HV Battery Not Contact	False	
OBCM - Loss Communication Protect	False	
OBCM - Receive HV Battery Contact Open From BPCM	False	
OBCM - Secondary Aux Over Voltage Protect	False	
OBCM - Secondary Aux Under Voltage Protect	False	
OBCM - Primary Aux Over Voltage Protect	False	
OBCM - Primary Aux Under Voltage Protect	False	
OBCM - Stuck Shutdown	False	
OBCM - Cycle Shutdown	False	
OBCM - HV Under Voltage Protect	False	
OBCM - Vehicle Impact	False	
OBCM - ARC/CRC Fault	False	
OBCM - AC Contact Welded Fault	False	
Control Pilot Open fault	False	
Prox open fault	False	
OBCM - Internal S2 Switch Low Fault	False	
OBCM - Internal S2 Switch High Fault	False	
OBCM - Pilot Range Fault	False	
OBCM - Prox Range Fault	False	
force shutdown fault	False	
pilot signal wake up issue becase of EVSE	False	
HCP stuck low fault	False	
HCP stuck High fault	False	
Plant mode flag	False	
Retry fault flag	False	
Loss SBC communcation (SPI)	False	
pilot input short to ground fault	False	
pilto input short to battery fault in Driver mode detecting	False	
pilot short to ground fault in driver mode detecting	False	
Charging ready line open fault	False	
Pilot frequency range fault	False	

OBCM - Internal S2 Switch High Fault in Driver mode detecting	False	
Module A Primary - AC Under Voltage Protect	True	
Module A Primary - PFC Power Limit	False	
Module A Primary - PFC Enable States	False	
Module A Primary - LLC Enable States	False	
Module A Primary - PFC Under Voltage Protect	False	
Module A Primary - PFC Over Voltage Protect	False	
Module A Primary - Over Temperature Protect	False	
Module A Primary - Hot Warning	False	
Module A Primary - AC Present	True	
Module A Primary - PFC Over Temperature Protect	False	
Module A Primary - LLC Over Temperature Protect	False	
Module A Primary - PFC Hot Warning	False	
Module A Primary - LLC Hot Warning	False	
Module A Primary - AC Over Voltage Protect	True	
Module A Primary - Relay Enable States	True	
Module A Primary - Aux Over Voltage Protect	False	
Module A Primary - Aux Under Voltage Protect	False	
Module A Primary - Secondary Micro Enable Command	False	
Module A Primary - AC Vin Lost	False	
Module A Primary - Loss Communication Protect	False	
Module A Primary - Standby Mode	False	
Module A Primary - Operate Mode	False	
Module A Primary - Shutdown Mode	True	
Module A Secondary - Aux Enable States	True	
Module A Secondary - HV Enable States	False	
Module A Secondary - LLC Under Voltage Protect	False	
Module A Secondary - LLC Over Voltage Protect	False	
Module A Secondary - HV Over Voltage Protect	False	
Module A Secondary - HV Over Current Protect	False	
Module A Secondary - Over Temperature Protect	False	
Module A Secondary - Hot Warning	False	
Module A Secondary - HV Over Temperature Protect	False	
Module A Secondary - Ambient Over Temperature Protect	False	
Module A Secondary - HV Hot Warning	False	
Module A Secondary - Ambient Hot Warning	False	
Module A Secondary - Aux Over Voltage Protect	False	
Module A Secondary - Aux Under Voltage Protect	False	
Module A Secondary - Loss Primary Communication Protect	False	
Module A Secondary - LV Micro Enable Command	False	
Module A Secondary - Loss LV Communication Protect	False	
Module A Secondary - Primary Turn On States	False	
Module A Secondary - Primary Shutdown States	False	
Module A Secondary - HV Under Voltage Protect	False	

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

Module B Secondary - Hot Warning	False	
Module B Secondary - HV Over Temperature Protect	False	
Module B Secondary - Ambient Over Temperature Protect	False	
Module B Secondary - HV Hot Warning	False	
Module B Secondary - Ambient Hot Warning	False	
Module B Secondary - Aux Over Voltage Protect	False	
Module B Secondary - Aux Under Voltage Protect	False	
Module B Secondary - Loss Primary Communication Protect	False	
Module B Secondary - LV Micro Enable Command	False	
Module B Secondary - Loss LV Communication Protect	False	
Module B Secondary - Primary Turn On States	False	
Module B Secondary - Primary Shutdown States	False	
Module B Secondary - HV Under Voltage Protect	False	
Module B Secondary - Standby Mode	False	
Module B Secondary - Operate Mode	False	
Module B Secondary - Shutdown Mode	True	
Module B Secondary - LV Micro Disable Command	True	
Module B Secondary - PFC High Temperature Derating	False	
Module B Secondary - PFC Low Temperature Derating	False	
Module B Secondary - LLC High Temperature Derating	False	
Module B Secondary - LLC Low Temperature Derating	False	
Module B Secondary - HV High Temperature Derating	False	
Module B Secondary - HV Low Temperature Derating	False	
Module B Secondary - Ambient High Temperature Derating	False	
Module B Secondary - Ambient Low Temperature Derating	False	
Module B Secondary - AC Input Voltage Derating	True	
Module B Secondary - HV Output Voltage Derating	False	
SBC State_DF00	00	
SBC State_DF80	00	
SBC State_E100	00	
SBC State_E180	C2	
SBC State_E300	00	
SBC State_E500	00	
SBC State_E580	00	
OBCM Charge Current Available	15.75	AMP
BPCM HV Battery Contactor Open	False	
SBC Bus Off	True	
CANSIP Bus Off	False	
OBC Charge Time	2829	sec
OBC Charge Tml	25351	hrs
OBC Idle Time	6	sec
EPT LOC Diag Enable	Enable Limited LOC Diagnostic	
HCP Shutdown Command	No Shutdown	
HV Battey Contactor Open	False	

BPCM Request for HV Contactor	False	
HV Contactor Status	Open	
Ignition on Time for DTC	0	sec

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

NAME	VALUE	UNITS
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	
Original Odometer Value	7347	miles
Most Recent Odometer Value	7347	miles
Frequency Counter	1	
Ignition Cycle Counter	2	
DTC Extended Data Record Number - Record #2	2C	
OBCM Status AC Present	AC OK	
AC Line Low	Not Valid	
AC Line High	Not Valid	
AC Side Current	28.30	Amps
AC Side Volt	199.9	Volts
HCP (EVCU) AC Current Max Cal	-0.50	Amps
HCP (EVCU) Voltage Request	400	Volts
HCP (EVCU) Current Request	15.00	AMP
Battery Not Detected	False	
Battery Voltage Under Min	Not Valid	
Battery Voltage Over Max	Not Valid	
Battery Side Current	14.90	Amps
Battery Side Voltage	184.7	Volts
HV OC	False	
HV OV	False	
HCP (EVCU) HV Current Max Cal	-12.00	Amps
HCP (EVCU) HV Volt Max Cal	152	Volt
HCP (EVCU) HV Volt Min Cal	244	Volt
OBCM Temperature 1	158	°F
OBCM Temperature 2	158	°F
OBCM Temperature 3	142	°F
OBCM Temperature 4	140	°F

NTC1 OT	False	
NTC2 OT	False	
NTC3 OT	False	
NTC4 OT	False	
External OBCM Inlet Temperature (CAN)	-40	°F
J1772 ICA	30	AMP
J1772 S2 Close	Closed	
J1772 Stat	Connection Ready Vent Req	
J1772 S2 Status	Closed	
Control Pilot Amplitude	5.820	Volts
Control Pilot Duty Cycle	49.78	%
Control Pilot Frequency	985	Hz
EVSE Pilot Stat	CP DET	
Prox Stat	Prox Detected	
Prox Voltage	1.410	Volt
OBC Idle Tml	116	hrs
Watt-Hours of AC Power	4471	W-Hrs
Watt Hours of Charge the HV Bus	4379	W-Hrs
OBCM Mode	charge	
OBCM Charger Ready	On	
OBCM WU Status	On	
Charge Enable Status	Chrg Enable	
HCP (EVCU) Shutdown Command	EVCU Operational	
HCP (EVCU) Enable Charge Command	Charge enable	
HCP (EVCU) OBC Mode Request	charge	
Generic Fail Sts	No Functional Fail Present	
Chrg Fail Sts	No Faults detected	
OBCM Wake Up Reason	Pilot Voltage	
OBC Control Mth	Current	
OBCM Deraing Reason	AC Voltage Limit Derating	
Close Chrgr Cntctr	Open	
Chrgr Cntctr Stat	Closed	
Chrg Mode	Charge Mode	
OBCM Fault Reason	No Faults detected	
Module A Primary - PFC Temperature	145	°F
Module A Primary - LLC Temperature	140	°F
Module A Secondary - Buck Temperature	140	°F
Module A Secondary - Ambient Temperature	158	°F
Module A Primary - AC Side Volt	199.7	Volts
Module A Primary - AC Side Current	-10.90	Amps
Module A Secondary - Battery Side Voltage	184.7	Volts
Module A Secondary - Battery Side Current	-17.60	Amps
Module A Secondary - Buck Output Voltage	359.1	Volts
Module B Primary - PFC Temperature	153	°F

Module B Primary - LLC Temperature	145	°F
Module B Secondary - Buck Temperature	142	°F
Module B Secondary - Ambient Temperature	158	°F
Module B Primary - AC Side Volt	200.1	Volts
Module B Primary - AC Side Current	-10.80	Amps
Module B Secondary - Battery Side Voltage	184.8	Volts
Module B Secondary - Battery Side Current	-17.50	Amps
Module B Secondary - Buck Output Voltage	358.3	Volts
OBCM - HV Over Voltage Protect	False	
OBCM - LV Aux Over Voltage Protect	False	
OBCM - LV Aux Under Voltage Protect	False	
OBCM - LLC Over Voltage Protect	False	
OBCM - LLC Under Voltage Protect	False	
OBCM - PFC Over Voltage Protect	False	
OBCM - PFC Under Voltage Protect	False	
OBCM - Battery 12V Under Voltage Protect	False	
OBCM - Battery 12V Over Voltage Protect	False	
OBCM - AC Under Voltage Protect	False	
OBCM - AC Over Voltage Protect	False	
OBCM - AC Over Current Protect	False	
OBCM - HV Voltage Over MaxCal Protect	False	
OBCM - HV Over Current Protect	False	
OBCM - Power Stage Over Voltage Protect	False	
OBCM - Internal Memory Fault	False	
OBCM - Over Temperature Protect	False	
OBCM - HCP Loss of Communication Protect	True	
OBCM - Loss BPCM Communication Protect	False	
OBCM - CAN Bus Off	False	
OBCM - Pilot Duty Fault	False	
OBCM - Prox Range To Low	False	
OBCM - Prox Range To High	False	
OBCM - HV Voltage Under MinCal Protect	False	
OBCM - SPI Communication Fault	False	
OBCM - Pilot Short To Battery	False	
OBCM - WakeUp Output Stuck Low	False	
OBCM - WakeUp Output Stuck High	False	
OBCM - ORC Loss of Communication	False	
OBCM - HV Battery Not Contact	False	
OBCM - Loss Communication Protect	False	
OBCM - Receive HV Battery Contact Open From BPCM	False	
OBCM - Secondary Aux Over Voltage Protect	False	
OBCM - Secondary Aux Under Voltage Protect	False	
OBCM - Primary Aux Over Voltage Protect	False	
OBCM - Primary Aux Under Voltage Protect	False	

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

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

Module B Secondary - LLC Low Temperature Derating	False	
Module B Secondary - HV High Temperature Derating	False	
Module B Secondary - HV Low Temperature Derating	False	
Module B Secondary - Ambient High Temperature Derating	False	
Module B Secondary - Ambient Low Temperature Derating	False	
Module B Secondary - AC Input Voltage Derating	True	
Module B Secondary - HV Output Voltage Derating	False	
SBC State_DF00	00	
SBC State_DF80	00	
SBC State_E100	00	
SBC State_E180	C2	
SBC State_E300	00	
SBC State_E500	00	
SBC State_E580	00	
OBCM Charge Current Available	15.00	AMP
BPCM HV Battery Contactor Open	False	
SBC Bus Off	True	
CANSIP Bus Off	False	
OBC Charge Time	2829	sec
OBC Charge Tml	25351	hrs
OBC Idle Time	6	sec
EPT LOC Diag Enable	Enable Limited LOC Diagnostic	
HCP Shutdown Command	No Shutdown	
HV Battey Contactor Open	False	
BPCM Request for HV Contactor	False	
HV Contactor Status	Open	
Ignition on Time for DTC	0	sec

EBBM | U1852-00 | Active | Implausible Data Received from ABS on D-PT-

NAME	VALUE	UNITS
DTC	D8 52 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	False	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	True	
Occurrence flag	Error	
Mirror Memory	No	
Undervoltage Suspected	No	
Original Odometer Value	7347	miles
Most Recent Odometer Value	7347	miles

Frequency Counter	1	
Ignition Cycle Counter	0	
Fault Time	114.60	S
Booster Supply	14.6	V
ECU Supply	14.5	V
Ignition	14.5	V
Pedal Travel Sensor Supply	5.0	V
iBooster System Mode	Ready Mode - iBooster is ready for actuation	
Brake Pedal Applied	brake pedal not applied	
iBooster ECU Temperature Channel 1	84.0031	°F
iBooster ECU Temperature Channel 2	83.6656	°F
iBooster Brake Pedal State	brake pedal not applied	
ESP Master Cylinder Pressure	0.00	PSI
Pedal Travel Sensor One	0.0332027	mm_
Pedal Travel Sensor Two	0.0703116	mm_
iBooster Rotary Position Sensor	0.00	Deg
iBooster Output Rod Stroke	0.00	mm_
iBooster Input Rod Stroke	0.05	mm_
iBooster Boost Body Stroke	-0.01	mm_
Vehicle Speed	0.00	MPH
Supplier Internal Code	221	

EBBM | 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	True	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	False	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	True	
Occurrence flag	Error	
Mirror Memory	No	
Undervoltage Suspected	No	
Original Odometer Value	7347	miles
Most Recent Odometer Value	7347	miles
Frequency Counter	2	
Ignition Cycle Counter	0	
Fault Time	110.60	S
Booster Supply	14.6	V
ECU Supply	14.6	V
Ignition	14.6	V

Pedal Travel Sensor Supply	5.0	V
iBooster System Mode	Ready Mode - iBooster is ready for actuation	
Brake Pedal Applied	brake pedal not applied	
iBooster ECU Temperature Channel 1	84.2562	°F
iBooster ECU Temperature Channel 2	83.9469	°F
iBooster Brake Pedal State	brake pedal not applied	
ESP Master Cylinder Pressure	0.00	PSI
Pedal Travel Sensor One	0.0234372	mm_
Pedal Travel Sensor Two	0.0742178	mm_
iBooster Rotary Position Sensor	0.00	Deg
iBooster Output Rod Stroke	0.00	mm_
iBooster Input Rod Stroke	0.04	mm_
iBooster Boost Body Stroke	-0.01	mm_
Vehicle Speed	0.00	MPH
Supplier Internal Code	141	

ABSO | U1822-00 | Active | Lost Communication with EBBM on D-PT CAN-

NAME	VALUE	UNITS
DTC	D8 22 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	False	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	True	
Occurrence flag	Occurrence	
Controller Event	No	
Mirror Memory	No	
Undervoltage Suspected	No	
Original Odometer Value	7347	miles
Most Recent Odometer Value	7347	miles
Frequency Counter	1	
Ignition Cycle Counter	0	
Fault Time	109.00	S
Current System Mode	Ignition Run	
Previous System Mode	Ignition Run	
System Condition	OK	
Supply Voltage Valves	14.6	V
Brake Pedal Status	Released	
Supply voltage Pump	14.6	V
Brake Pedal Travel Sensor Position	0	%
Ignition Unfiltered	14.6	V

Wheel Speed Left Front	0.000	MPH
Rotation Direction Left Front	Forward	
Wheel Speed Right Front	0.000	MPH
Rotation Direction Right Front	Forward	
Wheel Speed Left Rear	0.000	MPH
Rotation Direction Left Rear	Forward	
Wheel Speed Right Rear	0.000	MPH
Rotation Direction Right Rear	Forward	
Steering Wheel Angle	0.00	°
Longitudinal Acceleration	0.00	m/s^2
Lateral Acceleration	0.00	m/s^2
Yaw Rate	0.000	°/s
Primary Circuit Pressure	0.00	PSI
Engine Speed	0.0	rpm
Accelerator Pedal Position	0.0	%
ABS control	Not Active	
ASR control	Not Active	
MSR control	Not Active	
EBV control	Not Active	
ESP Control	Not Active	
HSA control	Not Active	
HBA control	Not Active	
Hold	No	
Braking assistance system	No assistance system is braking	
Plant Mode	No	
EPB Mode Status	Static	
BLS High	No	
BLS Low	Yes	
Park Brake	Not Activated	
ESP-OFF mode	No	
Clutch	Not Activated	
Stop Coordinator Active	No	
Actual Gear	P	
Transmission selector lever setting	P	
Status Parking Brake Left	Brake is Released	
Status Parking Brake Right	Brake is Released	
EPB Switch Status	Idle	
Supplier Internal Code	266	

SNAPSHOT DATA SUMMARY

No Snapshot Data available for U0415-00

No Snapshot Data available for C2227-00

No Snapshot Data available for U0415-00

No Snapshot Data available for P0AFA-00

No Snapshot Data available for U0594-00

No Snapshot Data available for U0293-00

No Snapshot Data available for U0074-00

No Snapshot Data available for U0073-00

No Snapshot Data available for U0111-00

No Snapshot Data available for U0293-00

No Snapshot Data available for U0624-00

No Snapshot Data available for U1814-00

No Snapshot Data available for U1817-00

No Snapshot Data available for U1852-00

No Snapshot Data available for U0074-00

No Snapshot Data available for U1814-00

No Snapshot Data available for U0293-00

No Snapshot Data available for U1852-00

No Snapshot Data available for U0074-00

No Snapshot Data available for U1822-00

VEHICLE SCAN REPORT

Vehicle 2020 CHRYSLER PACIFICA (PHEV) 3.6L V6 HYBRID ENGINE
VIN [redacted]

Odometer 7370.0 miles
Publication Date Nov 30, 2021, 9:44:30 AM

ECU SUMMARY INFO

ECU	NAME	BUS TYPE	FLASH PART #	PART #
PCM	Powertrain Control Module	CAN-C	68444228AE	68444228AE
ICS	Integrated Center Stack	CAN-I	6UX621X8AA	6UX621X8AA
RFH	Radio Frequency Hub	CAN-C	68453559AB	68453559AB
ESM	Electronic Shifter	CAN-C	68240089AM	68240089AM
ORC	Occupant Restraint	CAN-C	68453076AD	68453076AD
EPS	Electric Power Steering	CAN-C	68460392AA	68460392AA
HVAC	Heat, Ventilation and A/C	CAN-I	68447893AC	68447893AC
DDM	Driver Door Module	CAN-I	68424449AC	68424449AC
PDM	Passenger Door Module	CAN-I	68424448AC	68424448AC
DMRL	Door Module Rear Left	CAN-I	68225096AG	68225096AG
DMRR	Door Module Rear Right	CAN-I	68225096AG	68225096AG
PSDML	Power Sliding Doors (Left)	CAN-I	68369596AD	68369596AD
PSDMR	Power Sliding Doors (Right)	CAN-I	68369596AD	68369596AD
MSM	Memory Seat Module	CAN-I	68321862AC	68321862AC
PLGM	Power Liftgate	CAN-I	68316094AF	68316094AF
CSWM	Comfort Seat Wheel Module	CAN-I	68434912AC	68434912AC
AMP	Amplifier	CAN-I	68448067AA	68448067AA
IPC	Instrument Panel Cluster	CAN-C	68434956AC	68434956AC
PTS	Parktronics	CAN-C	68193775AJ	68193775AJ
SCCM	Steering Column Control Module	CAN-C	68360889AD	68360889AD
BCM	Body Controller	CAN-C	68424601AE	68424601AE

ACC	Adaptive Cruise Control	CAN-C	68417813AF		68417813AF
RADIO	Radio	CAN-I	68461768AD		68461768AD
OCM	Occupant Classification	CAN-C	68403127AA		68403127AA
HVACR	Heat, Ventilation and A/C Rear	CAN-I	68373079AB		68373079AB
LBSS	Left Blind Spot Sensor	CAN-I	04672786AB		04672786AB
RBSS	Right Blind Spot Sensor	CAN-I	04672786AB		04672786AB
FFCM	Forward Facing Camera Module	CAN-C	68493395AA		68493395AA
EDM	External Disc Module	CAN-I	68378304AA		68378304AA
APM	Accessory Power Module	CAN-C	05185046AB		05185046AB
BPCM	Battery Pack Control Module	CAN-C	05193166AF		05193166AF
HCP	Hybrid Control Processor	CAN-C	05190265AF		05190265AF
OBCM	On Board Charging Module	CAN-C	05185047AE		05185047AE
MSMP	Memory Seat Module - Passenger	CAN-I	68321862AC		68321862AC
DSM	Display Screen Module	CAN-I	68316174AC		68316174AC
VRM	Video Routing Module	CAN-I	68376134AG		68376134AG
RCCC	Rear Cabin Comfort Controls	CAN-I	6WL30DX9AA		6WL30DX9AA
CVPM	Central vision processing module	CAN-I	68375113AB		68375113AB
EAC	Electric A/C Compressor	CAN-C	68237995AG		68237995AG
AHCP	Auxiliary Hybrid Control Processor	CAN-C	05190266AF		05190266AF
EBBM	Electronic Brake Booster Module	CAN-C	68461813AB		68461813AB
ABSO	Anti Lock Brakes OBD	CAN-C	68471122AD		68471122AD
SGW	Security Gateway Module	CAN-C	68447193AB		68447193AB

ECU SUMMARY INFO (CONT...)

ECU	COUNTRY CODE	HARDWARE VERSION	SOFTWARE VERSION	IDENT	CVNS
PCM	USA	1B 47	46 03 01	4419	31D751B0
ICS	USA	0F 0C 00	12 25 00	4700	
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	13 27 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	13 2C 90	4415	
ACC	USA / USA	14 12 01	14 1D 01	4400	
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	
FFCM	USA / USA	11 06 00	13 1E 00	4102	
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 17 00	4005	D721612D
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	
CVPM	USA / USA	11 32 01	12 33 00	4003	
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
ESM	U0074-00	Dedicated Powertrain (D-PT) CAN Bus Off-	Stored
ORC	U0073-00	Hybrid/EV Bus Off-	Stored
MSM	B222D-00	ECU Unable To Configure/Configuration Not Learned-	Stored

PTS	U0415-00	Invalid Data Received from Anti-Lock Brake System (ABS) Control Module "A"-	Stored
ACC	C2227-00	ABS Disabled ECU-	Stored
ACC	U0415-00	Invalid Data Received from Anti-Lock Brake System (ABS) Control Module "A"-	Stored
RADIO	U0002-00	CAN C Bus Off Performance-	Active
RADIO	U0186-00	Lost Communication With Audio Amplifier-	Stored
APM	P0A8F-00	DC to DC Converter System Performance-	Stored
APM	U0074-00	Dedicated Powertrain (D-PT) CAN Bus Off-	Stored
APM	P0AFA-00	Hybrid/EV Battery System Voltage Low-	Stored
OBCM	U0074-00	Dedicated Powertrain (D-PT) CAN Bus Off-	Stored
OBCM	U1814-00	OBCM Lost Communication with BPCM-	Stored
OBCM	U0293-00	Lost Communication with Hybrid Control Module "A"-	Stored
MSMP	B222D-00	ECU Unable To Configure/Configuration Not Learned-	Stored
VRM	B15AE-00	Lost Low Voltage Differential Signal (LVDS) Connection with Media Port 2-	Stored
ABSO	C2222-00	Improper Powerdown-	Stored

ENVIRONMENTAL DATA SUMMARY

ESM | 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	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
Occurrence flag	Occurrence	
Original Odometer Value	7367	miles
Most Recent Odometer Value	7367	miles
Frequency Counter	4	
Ignition Cycle Counter	4	
Ignition Status	Ignition Run	
Operating Voltage	14.5	Volts
Operation Time	20495	Min

ORC | U0073-00 | Stored | Hybrid/EV Bus Off-

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	7367	miles
Most Recent Odometer Value	7367	miles
Frequency Counter	3	
Operation Cycle Counter	6	
DTC Extended Data Record Number - All	FF	

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

NAME	VALUE	UNITS
DTC	A2 2D 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	
Original Odometer Value	7357	miles
Most Recent Odometer Value	7357	miles
Frequency Counter	1	
Ignition Cycle Counter	4	
DTC Extended Data Record Number	14	
Calibration Version	03 09 00 01	
Front Hard Stop - Current	33014	Counts
Rear Hard Stop - Current	32238	Counts
Learned Seat Travel - Current	776	Counts
Default Seat travel length	780	Counts
Destandardization Reason	Diagnostics	
Front Hard Stop - Pre-destandardization	Not Learned	Counts
Rear Hard Stop - Pre-destandardization	Not Learned	Counts
Learned Seat Travel - Pre-destandardization	Not Learned	Counts
Front Hard Stop - Post-destandardization	33014	Counts
Rear Hard Stop - Post-destandardization	32238	Counts
Learned Seat Travel - Post-destandardization	776	Counts
ECU Voltage	2.223	Volts
Number of ECU hard resets since latest calibration	17	Counts
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	
Vertical Rear 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	
Recliner motor sensor - Short to battery or open	False	
Position Horizontal Adjustment	32489	Counts
Position Vertical Rear	32615	Counts
Position Recliner	31996	Counts
Position Vertical Front	32826	Counts
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 - Adjustable Pedals	False	
ECU configuration - Telescope/Tilt	False	
ECU configuration - Memory Seat	True	
ECU configuration - Stow n Assist	True	

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	
Warning Indicator Requested	False	
DTC Extended Data Record Number - All	03	
Occurrence flag	Occurrence	
Original Odometer Value	0	miles
Most Recent Odometer Value	7367	miles
Frequency Counter	2	
DC/DC Converter Voltage	88	Volt

ACC | C2227-00 | Stored | ABS Disabled ECU-

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	7367	miles
Most Recent Odometer Value	7367	miles
Frequency Counter	2	
Operation Cycle Counter	4	
Vehicle Speed	4	MPH
Engine RPM	1376	rpm
ACC Set Speed	0	MPH
Object of Interest Distance	830	FEET
Engine Torque Request	SNA	Ft-Lbs
PRNDL Status	D range	
Ignition Voltage	14.4	
System Voltage	14.6	Volts

ACC | U0415-00 | Stored | Invalid Data Received from Anti-Lock Brake System (ABS) Control Module "A"-

NAME	VALUE	UNITS
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	True	
Warning Indicator Requested	True	
Occurrence flag	Error	
Original Odometer Value	7367	miles
Most Recent Odometer Value	7367	miles
Frequency Counter	2	
Operation Cycle Counter	4	
Vehicle Speed	4	MPH
Engine RPM	1376	rpm
ACC Set Speed	0	MPH
Object of Interest Distance	830	FEET
Engine Torque Request	SNA	Ft-Lbs
PRNDL Status	D range	
Ignition Voltage	14.4	
System Voltage	14.6	Volts

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

NAME	VALUE	UNITS

DTCTable	C0 02 00	
TestFailed	True	
TestFailedThisMonitoringCycle	True	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed This Monitoring Cycle	False	
Warning Indicator Requested	False	
DTCExtendedDataRecordNumber	FF	
Occurance Flag	Occurrence	
Reserved	Reserved	
Original Odometer Value	7347	miles
Most Recent Odometer Value	7367	miles
Frequency Counter	73	
Ignition Counter	0	
RDI $6080	60 80	
Event Counter	64	

RADIO | U0186-00 | Stored | Lost Communication With Audio Amplifier-

NAME	VALUE	UNITS
DTCTable	C1 86 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	
Original Odometer Value	7367	miles
Most Recent Odometer Value	7367	miles
Frequency Counter	1	
Ignition Counter	1	
RDI $6080	60 80	
Event Counter	63	

APM | P0A8F-00 | Stored | DC to DC Converter System Performance-

NAME	VALUE	UNITS
DTC	0A 8F 00	
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	

Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
Occurrence flag	Error	
Original Odometer Value	7367	miles
Most Recent Odometer Value	7367	miles
Frequency Counter	1	
Ignition Cycle Counter	6	
APM High Voltage DC Current Set Point	7.0000	AMP
APM Low Voltage DC Current Set Point	100.0000	AMP
HCP Commanded APM Operating Mode	Off	
APM High Voltage DC Voltage Set Point	14.0000	Volt
APM Low Voltage DC Voltage Set Point	14.81	Volt
APM Operation Mode Status Reported from APM	Failure	
APM Derating Mode Status	No de-rating	
APM Derating Reason	Default(Normal Operation)	
APM Failure Mode Status	No failure	
APM Failure Reason	Failure because of Temp diff is high/Failure 29	
Low voltage battery voltage from HCP	12.2800	Volt

APM | 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	
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	7367	miles
Most Recent Odometer Value	7367	miles
Frequency Counter	1	
Ignition Cycle Counter	6	
APM High Voltage DC Current Set Point	7.0000	AMP
APM Low Voltage DC Current Set Point	100.0000	AMP
HCP Commanded APM Operating Mode	Buck_CV	
APM High Voltage DC Voltage Set Point	14.0000	Volt
APM Low Voltage DC Voltage Set Point	14.81	Volt
APM Operation Mode Status Reported from APM	Buck_CV	
APM Derating Mode Status	No de-rating	
APM Derating Reason	Default(Normal Operation)	

APM Failure Mode Status	No failure	
APM Failure Reason	Failure because of short circuit at LV / Failure9	
Low voltage battery voltage from HCP	13.7600	Volt

APM | P0AFA-00 | Stored | Hybrid/EV Battery System Voltage Low-

NAME	VALUE	UNITS
DTC	0A FA 00	
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
Occurrence flag	Error	
Original Odometer Value	7367	miles
Most Recent Odometer Value	7367	miles
Frequency Counter	1	
Ignition Cycle Counter	10	
APM High Voltage DC Current Set Point	7.0000	AMP
APM Low Voltage DC Current Set Point	100.0000	AMP
HCP Commanded APM Operating Mode	Off	
APM High Voltage DC Voltage Set Point	14.0000	Volt
APM Low Voltage DC Voltage Set Point	14.44	Volt
APM Operation Mode Status Reported from APM	Failure	
APM Derating Mode Status	No de-rating	
APM Derating Reason	Default(Normal Operation)	
APM Failure Mode Status	No failure	
APM Failure Reason	Failure because of short circuit at LV / Failure9	
Low voltage battery voltage from HCP	12.8800	Volt

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	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number - All	01	

Occurrence flag	Error	
Original Odometer Value	7367	miles
Most Recent Odometer Value	7367	miles
Frequency Counter	62	
Ignition Cycle Counter	8	
DTC Extended Data Record Number - Record #2	2B	
OBCM Status AC Present	AC OK	
AC Line Low	Not Valid	
AC Line High	Not Valid	
AC Side Current	0.60	Amps
AC Side Volt	210.2	Volts
HCP (EVCU) AC Current Max Cal	-0.50	Amps
HCP (EVCU) Voltage Request	400	Volts
HCP (EVCU) Current Request	15.75	AMP
Battery Not Detected	False	
Battery Voltage Under Min	Not Valid	
Battery Voltage Over Max	Not Valid	
Battery Side Current	0.20	Amps
Battery Side Voltage	170.2	Volts
HV OC	False	
HV OV	False	
HCP (EVCU) HV Current Max Cal	-12.00	Amps
HCP (EVCU) HV Volt Max Cal	152	Volt
HCP (EVCU) HV Volt Min Cal	244	Volt
OBCM Temperature 1	151	°F
OBCM Temperature 2	149	°F
OBCM Temperature 3	135	°F
OBCM Temperature 4	135	°F
NTC1 OT	False	
NTC2 OT	False	
NTC3 OT	False	
NTC4 OT	False	
External OBCM Inlet Temperature (CAN)	-40	°F
J1772 ICA	30	AMP
J1772 S2 Close	Closed	
J1772 Stat	Connection Ready Vent Req	
J1772 S2 Status	Closed	
Control Pilot Amplitude	5.784	Volts
Control Pilot Duty Cycle	49.78	%
Control Pilot Frequency	985	Hz
EVSE Pilot Stat	CP DET	
Prox Stat	Prox Detected	
Prox Voltage	1.435	Volt
OBC Idle Tml	120	hrs

Watt-Hours of AC Power	1995	W-Hrs
Watt Hours of Charge the HV Bus	1830	W-Hrs
OBCM Mode	Stop	
OBCM Charger Ready	On	
OBCM WU Status	On	
Charge Enable Status	Chrg Disable	
HCP (EVCU) Shutdown Command	EVCU Operational	
HCP (EVCU) Enable Charge Command	Charge enable	
HCP (EVCU) OBC Mode Request	charge	
Generic Fail Sts	At Least One DTC set on Sys Mem	
Chrg Fail Sts	Faulted - Charging Terminated	
OBCM Wake Up Reason	Pilot Voltage	
OBC Control Mth	Current	
OBCM Deraing Reason	AC Voltage Limit Derating	
Close Chrgr Cntctr	Open	
Chrgr Cntctr Stat	Closed	
Chrg Mode	Charge Mode	
OBCM Fault Reason	Communications Fault	
Module A Primary - PFC Temperature	135	°F
Module A Primary - LLC Temperature	135	°F
Module A Secondary - Buck Temperature	135	°F
Module A Secondary - Ambient Temperature	149	°F
Module A Primary - AC Side Volt	210.1	Volts
Module A Primary - AC Side Current	-24.60	Amps
Module A Secondary - Battery Side Voltage	170.2	Volts
Module A Secondary - Battery Side Current	-24.90	Amps
Module A Secondary - Buck Output Voltage	337.4	Volts
Module B Primary - PFC Temperature	144	°F
Module B Primary - LLC Temperature	140	°F
Module B Secondary - Buck Temperature	135	°F
Module B Secondary - Ambient Temperature	151	°F
Module B Primary - AC Side Volt	210.4	Volts
Module B Primary - AC Side Current	-24.80	Amps
Module B Secondary - Battery Side Voltage	170.2	Volts
Module B Secondary - Battery Side Current	-24.90	Amps
Module B Secondary - Buck Output Voltage	336.6	Volts
OBCM - HV Over Voltage Protect	False	
OBCM - LV Aux Over Voltage Protect	False	
OBCM - LV Aux Under Voltage Protect	False	
OBCM - LLC Over Voltage Protect	False	
OBCM - LLC Under Voltage Protect	False	
OBCM - PFC Over Voltage Protect	False	
OBCM - PFC Under Voltage Protect	False	
OBCM - Battery 12V Under Voltage Protect	False	

OBCM - Battery 12V Over Voltage Protect	False	
OBCM - AC Under Voltage Protect	False	
OBCM - AC Over Voltage Protect	False	
OBCM - AC Over Current Protect	False	
OBCM - HV Voltage Over MaxCal Protect	False	
OBCM - HV Over Current Protect	False	
OBCM - Power Stage Over Voltage Protect	False	
OBCM - Internal Memory Fault	False	
OBCM - Over Temperature Protect	False	
OBCM - HCP Loss of Communication Protect	True	
OBCM - Loss BPCM Communication Protect	True	
OBCM - CAN Bus Off	True	
OBCM - Pilot Duty Fault	False	
OBCM - Prox Range To Low	False	
OBCM - Prox Range To High	False	
OBCM - HV Voltage Under MinCal Protect	False	
OBCM - SPI Communication Fault	False	
OBCM - Pilot Short To Battery	False	
OBCM - WakeUp Output Stuck Low	False	
OBCM - WakeUp Output Stuck High	False	
OBCM - ORC Loss of Communication	False	
OBCM - HV Battery Not Contact	False	
OBCM - Loss Communication Protect	False	
OBCM - Receive HV Battery Contact Open From BPCM	False	
OBCM - Secondary Aux Over Voltage Protect	False	
OBCM - Secondary Aux Under Voltage Protect	False	
OBCM - Primary Aux Over Voltage Protect	False	
OBCM - Primary Aux Under Voltage Protect	False	
OBCM - Stuck Shutdown	False	
OBCM - Cycle Shutdown	False	
OBCM - HV Under Voltage Protect	False	
OBCM - Vehicle Impact	False	
OBCM - ARC/CRC Fault	False	
OBCM - AC Contact Welded Fault	False	
Control Pilot Open fault	False	
Prox open fault	False	
OBCM - Internal S2 Switch Low Fault	False	
OBCM - Internal S2 Switch High Fault	False	
OBCM - Pilot Range Fault	False	
OBCM - Prox Range Fault	False	
force shutdown fault	False	
pilot signal wake up issue becase of EVSE	False	
HCP stuck low fault	False	
HCP stuck High fault	False	

Plant mode flag	False	
Retry fault flag	False	
Loss SBC communcation (SPI)	False	
pilot input short to ground fault	False	
pilto input short to battery fault in Driver mode detecting	False	
pilot short to ground fault in driver mode detecting	False	
Charging ready line open fault	False	
Pilot frequency range fault	False	
OBCM - Internal S2 Switch High Fault in Driver mode detecting	False	
Module A Primary - AC Under Voltage Protect	True	
Module A Primary - PFC Power Limit	False	
Module A Primary - PFC Enable States	False	
Module A Primary - LLC Enable States	False	
Module A Primary - PFC Under Voltage Protect	False	
Module A Primary - PFC Over Voltage Protect	False	
Module A Primary - Over Temperature Protect	False	
Module A Primary - Hot Warning	False	
Module A Primary - AC Present	True	
Module A Primary - PFC Over Temperature Protect	False	
Module A Primary - LLC Over Temperature Protect	False	
Module A Primary - PFC Hot Warning	False	
Module A Primary - LLC Hot Warning	False	
Module A Primary - AC Over Voltage Protect	True	
Module A Primary - Relay Enable States	True	
Module A Primary - Aux Over Voltage Protect	False	
Module A Primary - Aux Under Voltage Protect	False	
Module A Primary - Secondary Micro Enable Command	False	
Module A Primary - AC Vin Lost	False	
Module A Primary - Loss Communication Protect	False	
Module A Primary - Standby Mode	False	
Module A Primary - Operate Mode	False	
Module A Primary - Shutdown Mode	True	
Module A Secondary - Aux Enable States	True	
Module A Secondary - HV Enable States	False	
Module A Secondary - LLC Under Voltage Protect	False	
Module A Secondary - LLC Over Voltage Protect	False	
Module A Secondary - HV Over Voltage Protect	False	
Module A Secondary - HV Over Current Protect	False	
Module A Secondary - Over Temperature Protect	False	
Module A Secondary - Hot Warning	False	
Module A Secondary - HV Over Temperature Protect	False	
Module A Secondary - Ambient Over Temperature Protect	False	
Module A Secondary - HV Hot Warning	False	
Module A Secondary - Ambient Hot Warning	False	

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

Module B Primary - Shutdown Mode	True	
Module B Secondary - Aux Enable States	True	
Module B Secondary - HV Enable States	False	
Module B Secondary - LLC Under Voltage Protect	False	
Module B Secondary - LLC Over Voltage Protect	False	
Module B Secondary - HV Over Voltage Protect	False	
Module B Secondary - HV Over Current Protect	False	
Module B Secondary - Over Temperature Protect	False	
Module B Secondary - Hot Warning	False	
Module B Secondary - HV Over Temperature Protect	False	
Module B Secondary - Ambient Over Temperature Protect	False	
Module B Secondary - HV Hot Warning	False	
Module B Secondary - Ambient Hot Warning	False	
Module B Secondary - Aux Over Voltage Protect	False	
Module B Secondary - Aux Under Voltage Protect	False	
Module B Secondary - Loss Primary Communication Protect	False	
Module B Secondary - LV Micro Enable Command	False	
Module B Secondary - Loss LV Communication Protect	False	
Module B Secondary - Primary Turn On States	False	
Module B Secondary - Primary Shutdown States	False	
Module B Secondary - HV Under Voltage Protect	False	
Module B Secondary - Standby Mode	False	
Module B Secondary - Operate Mode	False	
Module B Secondary - Shutdown Mode	True	
Module B Secondary - LV Micro Disable Command	True	
Module B Secondary - PFC High Temperature Derating	False	
Module B Secondary - PFC Low Temperature Derating	False	
Module B Secondary - LLC High Temperature Derating	False	
Module B Secondary - LLC Low Temperature Derating	False	
Module B Secondary - HV High Temperature Derating	False	
Module B Secondary - HV Low Temperature Derating	False	
Module B Secondary - Ambient High Temperature Derating	False	
Module B Secondary - Ambient Low Temperature Derating	False	
Module B Secondary - AC Input Voltage Derating	True	
Module B Secondary - HV Output Voltage Derating	False	
SBC State_DF00	00	
SBC State_DF80	00	
SBC State_E100	00	
SBC State_E180	C2	
SBC State_E300	00	
SBC State_E500	00	
SBC State_E580	00	
OBCM Charge Current Available	16.50	AMP
BPCM HV Battery Contactor Open	False	

SBC Bus Off	True	
CANSIP Bus Off	False	
OBC Charge Time	1194	sec
OBC Charge Tml	25371	hrs
OBC Idle Time	6	sec
EPT LOC Diag Enable	Enable Limited LOC Diagnostic	
HCP Shutdown Command	No Shutdown	
HV Battey Contactor Open	False	
BPCM Request for HV Contactor	False	
HV Contactor Status	Open	
Ignition on Time for DTC	0	sec

OBCM | U1814-00 | Stored | OBCM Lost Communication with BPCM-

NAME	VALUE	UNITS
DTC	D8 14 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	
Original Odometer Value	7367	miles
Most Recent Odometer Value	7367	miles
Frequency Counter	9	
Ignition Cycle Counter	8	
DTC Extended Data Record Number - Record #2	2E	
OBCM Status AC Present	AC OK	
AC Line Low	Not Valid	
AC Line High	Not Valid	
AC Side Current	28.50	Amps
AC Side Volt	200.8	Volts
HCP (EVCU) AC Current Max Cal	-0.50	Amps
HCP (EVCU) Voltage Request	400	Volts
HCP (EVCU) Current Request	15.75	AMP
Battery Not Detected	False	
Battery Voltage Under Min	Not Valid	
Battery Voltage Over Max	Not Valid	
Battery Side Current	15.60	Amps
Battery Side Voltage	170.5	Volts
HV OC	False	

HV OV	False	
HCP (EVCU) HV Current Max Cal	-12.00	Amps
HCP (EVCU) HV Volt Max Cal	152	Volt
HCP (EVCU) HV Volt Min Cal	244	Volt
OBCM Temperature 1	151	°F
OBCM Temperature 2	149	°F
OBCM Temperature 3	135	°F
OBCM Temperature 4	135	°F
NTC1 OT	False	
NTC2 OT	False	
NTC3 OT	False	
NTC4 OT	False	
External OBCM Inlet Temperature (CAN)	-40	°F
J1772 ICA	30	AMP
J1772 S2 Close	Closed	
J1772 Stat	Connection Ready Vent Req	
J1772 S2 Status	Closed	
Control Pilot Amplitude	5.760	Volts
Control Pilot Duty Cycle	49.78	%
Control Pilot Frequency	985	Hz
EVSE Pilot Stat	CP DET	
Prox Stat	Prox Detected	
Prox Voltage	1.415	Volt
OBC Idle Tml	120	hrs
Watt-Hours of AC Power	1906	W-Hrs
Watt Hours of Charge the HV Bus	1830	W-Hrs
OBCM Mode	charge	
OBCM Charger Ready	On	
OBCM WU Status	On	
Charge Enable Status	Chrg Enable	
HCP (EVCU) Shutdown Command	EVCU Operational	
HCP (EVCU) Enable Charge Command	Charge enable	
HCP (EVCU) OBC Mode Request	charge	
Generic Fail Sts	At Least One DTC set on Sys Mem	
Chrg Fail Sts	No Faults detected	
OBCM Wake Up Reason	Pilot Voltage	
OBC Control Mth	Current	
OBCM Deraing Reason	AC Voltage Limit Derating	
Close Chrgr Cntctr	Open	
Chrgr Cntctr Stat	Closed	
Chrg Mode	Charge Mode	
OBCM Fault Reason	No Faults detected	
Module A Primary - PFC Temperature	135	°F
Module A Primary - LLC Temperature	133	°F

Module A Secondary - Buck Temperature	135	°F
Module A Secondary - Ambient Temperature	149	°F
Module A Primary - AC Side Volt	200.7	Volts
Module A Primary - AC Side Current	-10.80	Amps
Module A Secondary - Battery Side Voltage	170.5	Volts
Module A Secondary - Battery Side Current	-17.20	Amps
Module A Secondary - Buck Output Voltage	344.8	Volts
Module B Primary - PFC Temperature	142	°F
Module B Primary - LLC Temperature	140	°F
Module B Secondary - Buck Temperature	135	°F
Module B Secondary - Ambient Temperature	151	°F
Module B Primary - AC Side Volt	201.0	Volts
Module B Primary - AC Side Current	-10.70	Amps
Module B Secondary - Battery Side Voltage	170.6	Volts
Module B Secondary - Battery Side Current	-17.20	Amps
Module B Secondary - Buck Output Voltage	344.1	Volts
OBCM - HV Over Voltage Protect	False	
OBCM - LV Aux Over Voltage Protect	False	
OBCM - LV Aux Under Voltage Protect	False	
OBCM - LLC Over Voltage Protect	False	
OBCM - LLC Under Voltage Protect	False	
OBCM - PFC Over Voltage Protect	False	
OBCM - PFC Under Voltage Protect	False	
OBCM - Battery 12V Under Voltage Protect	False	
OBCM - Battery 12V Over Voltage Protect	False	
OBCM - AC Under Voltage Protect	False	
OBCM - AC Over Voltage Protect	False	
OBCM - AC Over Current Protect	False	
OBCM - HV Voltage Over MaxCal Protect	False	
OBCM - HV Over Current Protect	False	
OBCM - Power Stage Over Voltage Protect	False	
OBCM - Internal Memory Fault	False	
OBCM - Over Temperature Protect	False	
OBCM - HCP Loss of Communication Protect	True	
OBCM - Loss BPCM Communication Protect	True	
OBCM - CAN Bus Off	False	
OBCM - Pilot Duty Fault	False	
OBCM - Prox Range To Low	False	
OBCM - Prox Range To High	False	
OBCM - HV Voltage Under MinCal Protect	False	
OBCM - SPI Communication Fault	False	
OBCM - Pilot Short To Battery	False	
OBCM - WakeUp Output Stuck Low	False	
OBCM - WakeUp Output Stuck High	False	

OBCM - ORC Loss of Communication	False	
OBCM - HV Battery Not Contact	False	
OBCM - Loss Communication Protect	False	
OBCM - Receive HV Battery Contact Open From BPCM	False	
OBCM - Secondary Aux Over Voltage Protect	False	
OBCM - Secondary Aux Under Voltage Protect	False	
OBCM - Primary Aux Over Voltage Protect	False	
OBCM - Primary Aux Under Voltage Protect	False	
OBCM - Stuck Shutdown	False	
OBCM - Cycle Shutdown	False	
OBCM - HV Under Voltage Protect	False	
OBCM - Vehicle Impact	False	
OBCM - ARC/CRC Fault	False	
OBCM - AC Contact Welded Fault	False	
Control Pilot Open fault	False	
Prox open fault	False	
OBCM - Internal S2 Switch Low Fault	False	
OBCM - Internal S2 Switch High Fault	False	
OBCM - Pilot Range Fault	False	
OBCM - Prox Range Fault	False	
force shutdown fault	False	
pilot signal wake up issue becase of EVSE	False	
HCP stuck low fault	False	
HCP stuck High fault	False	
Plant mode flag	False	
Retry fault flag	False	
Loss SBC communcation (SPI)	False	
pilot input short to ground fault	False	
pilto input short to battery fault in Driver mode detecting	False	
pilot short to ground fault in driver mode detecting	False	
Charging ready line open fault	False	
Pilot frequency range fault	False	
OBCM - Internal S2 Switch High Fault in Driver mode detecting	False	
Module A Primary - AC Under Voltage Protect	True	
Module A Primary - PFC Power Limit	False	
Module A Primary - PFC Enable States	True	
Module A Primary - LLC Enable States	True	
Module A Primary - PFC Under Voltage Protect	False	
Module A Primary - PFC Over Voltage Protect	False	
Module A Primary - Over Temperature Protect	False	
Module A Primary - Hot Warning	False	
Module A Primary - AC Present	True	
Module A Primary - PFC Over Temperature Protect	False	
Module A Primary - LLC Over Temperature Protect	False	

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

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

Module B Secondary - HV Under Voltage Protect	False	
Module B Secondary - Standby Mode	False	
Module B Secondary - Operate Mode	True	
Module B Secondary - Shutdown Mode	False	
Module B Secondary - LV Micro Disable Command	False	
Module B Secondary - PFC High Temperature Derating	False	
Module B Secondary - PFC Low Temperature Derating	False	
Module B Secondary - LLC High Temperature Derating	False	
Module B Secondary - LLC Low Temperature Derating	False	
Module B Secondary - HV High Temperature Derating	False	
Module B Secondary - HV Low Temperature Derating	False	
Module B Secondary - Ambient High Temperature Derating	False	
Module B Secondary - Ambient Low Temperature Derating	False	
Module B Secondary - AC Input Voltage Derating	True	
Module B Secondary - HV Output Voltage Derating	False	
SBC State_DF00	00	
SBC State_DF80	00	
SBC State_E100	00	
SBC State_E180	C2	
SBC State_E300	00	
SBC State_E500	00	
SBC State_E580	00	
OBCM Charge Current Available	15.75	AMP
BPCM HV Battery Contactor Open	False	
SBC Bus Off	True	
CANSIP Bus Off	False	
OBC Charge Time	1194	sec
OBC Charge Tml	25371	hrs
OBC Idle Time	6	sec
EPT LOC Diag Enable	Enable Limited LOC Diagnostic	
HCP Shutdown Command	No Shutdown	
HV Battey Contactor Open	False	
BPCM Request for HV Contactor	False	
HV Contactor Status	Open	
Ignition on Time for DTC	0	sec

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

NAME	VALUE	UNITS
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	
Original Odometer Value	7367	miles
Most Recent Odometer Value	7367	miles
Frequency Counter	8	
Ignition Cycle Counter	8	
DTC Extended Data Record Number - Record #2	2C	
OBCM Status AC Present	AC OK	
AC Line Low	Not Valid	
AC Line High	Not Valid	
AC Side Current	28.50	Amps
AC Side Volt	200.8	Volts
HCP (EVCU) AC Current Max Cal	-0.50	Amps
HCP (EVCU) Voltage Request	400	Volts
HCP (EVCU) Current Request	15.75	AMP
Battery Not Detected	False	
Battery Voltage Under Min	Not Valid	
Battery Voltage Over Max	Not Valid	
Battery Side Current	15.60	Amps
Battery Side Voltage	170.5	Volts
HV OC	False	
HV OV	False	
HCP (EVCU) HV Current Max Cal	-12.00	Amps
HCP (EVCU) HV Volt Max Cal	152	Volt
HCP (EVCU) HV Volt Min Cal	244	Volt
OBCM Temperature 1	151	°F
OBCM Temperature 2	149	°F
OBCM Temperature 3	135	°F
OBCM Temperature 4	135	°F
NTC1 OT	False	
NTC2 OT	False	
NTC3 OT	False	
NTC4 OT	False	
External OBCM Inlet Temperature (CAN)	-40	°F
J1772 ICA	30	AMP
J1772 S2 Close	Closed	
J1772 Stat	Connection Ready Vent Req	
J1772 S2 Status	Closed	
Control Pilot Amplitude	5.784	Volts
Control Pilot Duty Cycle	49.78	%
Control Pilot Frequency	985	Hz

EVSE Pilot Stat	CP DET	
Prox Stat	Prox Detected	
Prox Voltage	1.415	Volt
OBC Idle Tml	120	hrs
Watt-Hours of AC Power	1906	W-Hrs
Watt Hours of Charge the HV Bus	1830	W-Hrs
OBCM Mode	charge	
OBCM Charger Ready	On	
OBCM WU Status	On	
Charge Enable Status	Chrg Enable	
HCP (EVCU) Shutdown Command	EVCU Operational	
HCP (EVCU) Enable Charge Command	Charge enable	
HCP (EVCU) OBC Mode Request	charge	
Generic Fail Sts	No Functional Fail Present	
Chrg Fail Sts	No Faults detected	
OBCM Wake Up Reason	Pilot Voltage	
OBC Control Mth	Current	
OBCM Deraing Reason	AC Voltage Limit Derating	
Close Chrgr Cntctr	Open	
Chrgr Cntctr Stat	Closed	
Chrg Mode	Charge Mode	
OBCM Fault Reason	No Faults detected	
Module A Primary - PFC Temperature	135	°F
Module A Primary - LLC Temperature	133	°F
Module A Secondary - Buck Temperature	135	°F
Module A Secondary - Ambient Temperature	149	°F
Module A Primary - AC Side Volt	200.7	Volts
Module A Primary - AC Side Current	-10.80	Amps
Module A Secondary - Battery Side Voltage	170.5	Volts
Module A Secondary - Battery Side Current	-17.20	Amps
Module A Secondary - Buck Output Voltage	344.8	Volts
Module B Primary - PFC Temperature	142	°F
Module B Primary - LLC Temperature	140	°F
Module B Secondary - Buck Temperature	135	°F
Module B Secondary - Ambient Temperature	151	°F
Module B Primary - AC Side Volt	201.0	Volts
Module B Primary - AC Side Current	-10.70	Amps
Module B Secondary - Battery Side Voltage	170.6	Volts
Module B Secondary - Battery Side Current	-17.20	Amps
Module B Secondary - Buck Output Voltage	344.1	Volts
OBCM - HV Over Voltage Protect	False	
OBCM - LV Aux Over Voltage Protect	False	
OBCM - LV Aux Under Voltage Protect	False	
OBCM - LLC Over Voltage Protect	False	

OBCM - LLC Under Voltage Protect	False	
OBCM - PFC Over Voltage Protect	False	
OBCM - PFC Under Voltage Protect	False	
OBCM - Battery 12V Under Voltage Protect	False	
OBCM - Battery 12V Over Voltage Protect	False	
OBCM - AC Under Voltage Protect	False	
OBCM - AC Over Voltage Protect	False	
OBCM - AC Over Current Protect	False	
OBCM - HV Voltage Over MaxCal Protect	False	
OBCM - HV Over Current Protect	False	
OBCM - Power Stage Over Voltage Protect	False	
OBCM - Internal Memory Fault	False	
OBCM - Over Temperature Protect	False	
OBCM - HCP Loss of Communication Protect	True	
OBCM - Loss BPCM Communication Protect	False	
OBCM - CAN Bus Off	False	
OBCM - Pilot Duty Fault	False	
OBCM - Prox Range To Low	False	
OBCM - Prox Range To High	False	
OBCM - HV Voltage Under MinCal Protect	False	
OBCM - SPI Communication Fault	False	
OBCM - Pilot Short To Battery	False	
OBCM - WakeUp Output Stuck Low	False	
OBCM - WakeUp Output Stuck High	False	
OBCM - ORC Loss of Communication	False	
OBCM - HV Battery Not Contact	False	
OBCM - Loss Communication Protect	False	
OBCM - Receive HV Battery Contact Open From BPCM	False	
OBCM - Secondary Aux Over Voltage Protect	False	
OBCM - Secondary Aux Under Voltage Protect	False	
OBCM - Primary Aux Over Voltage Protect	False	
OBCM - Primary Aux Under Voltage Protect	False	
OBCM - Stuck Shutdown	False	
OBCM - Cycle Shutdown	False	
OBCM - HV Under Voltage Protect	False	
OBCM - Vehicle Impact	False	
OBCM - ARC/CRC Fault	False	
OBCM - AC Contact Welded Fault	False	
Control Pilot Open fault	False	
Prox open fault	False	
OBCM - Internal S2 Switch Low Fault	False	
OBCM - Internal S2 Switch High Fault	False	
OBCM - Pilot Range Fault	False	
OBCM - Prox Range Fault	False	

force shutdown fault	False	
pilot signal wake up issue becase of EVSE	False	
HCP stuck low fault	False	
HCP stuck High fault	False	
Plant mode flag	False	
Retry fault flag	False	
Loss SBC communcation (SPI)	False	
pilot input short to ground fault	False	
pilto input short to battery fault in Driver mode detecting	False	
pilot short to ground fault in driver mode detecting	False	
Charging ready line open fault	False	
Pilot frequency range fault	False	
OBCM - Internal S2 Switch High Fault in Driver mode detecting	False	
Module A Primary - AC Under Voltage Protect	True	
Module A Primary - PFC Power Limit	False	
Module A Primary - PFC Enable States	True	
Module A Primary - LLC Enable States	True	
Module A Primary - PFC Under Voltage Protect	False	
Module A Primary - PFC Over Voltage Protect	False	
Module A Primary - Over Temperature Protect	False	
Module A Primary - Hot Warning	False	
Module A Primary - AC Present	True	
Module A Primary - PFC Over Temperature Protect	False	
Module A Primary - LLC Over Temperature Protect	False	
Module A Primary - PFC Hot Warning	False	
Module A Primary - LLC Hot Warning	False	
Module A Primary - AC Over Voltage Protect	True	
Module A Primary - Relay Enable States	True	
Module A Primary - Aux Over Voltage Protect	False	
Module A Primary - Aux Under Voltage Protect	False	
Module A Primary - Secondary Micro Enable Command	True	
Module A Primary - AC Vin Lost	False	
Module A Primary - Loss Communication Protect	False	
Module A Primary - Standby Mode	False	
Module A Primary - Operate Mode	True	
Module A Primary - Shutdown Mode	False	
Module A Secondary - Aux Enable States	True	
Module A Secondary - HV Enable States	True	
Module A Secondary - LLC Under Voltage Protect	False	
Module A Secondary - LLC Over Voltage Protect	False	
Module A Secondary - HV Over Voltage Protect	False	
Module A Secondary - HV Over Current Protect	False	
Module A Secondary - Over Temperature Protect	False	
Module A Secondary - Hot Warning	False	

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

Module B Primary - AC Vin Lost	False	
Module B Primary - Loss Communication Protect	False	
Module B Primary - Standby Mode	False	
Module B Primary - Operate Mode	True	
Module B Primary - Shutdown Mode	False	
Module B Secondary - Aux Enable States	True	
Module B Secondary - HV Enable States	True	
Module B Secondary - LLC Under Voltage Protect	False	
Module B Secondary - LLC Over Voltage Protect	False	
Module B Secondary - HV Over Voltage Protect	False	
Module B Secondary - HV Over Current Protect	False	
Module B Secondary - Over Temperature Protect	False	
Module B Secondary - Hot Warning	False	
Module B Secondary - HV Over Temperature Protect	False	
Module B Secondary - Ambient Over Temperature Protect	False	
Module B Secondary - HV Hot Warning	False	
Module B Secondary - Ambient Hot Warning	False	
Module B Secondary - Aux Over Voltage Protect	False	
Module B Secondary - Aux Under Voltage Protect	False	
Module B Secondary - Loss Primary Communication Protect	False	
Module B Secondary - LV Micro Enable Command	True	
Module B Secondary - Loss LV Communication Protect	False	
Module B Secondary - Primary Turn On States	True	
Module B Secondary - Primary Shutdown States	False	
Module B Secondary - HV Under Voltage Protect	False	
Module B Secondary - Standby Mode	False	
Module B Secondary - Operate Mode	True	
Module B Secondary - Shutdown Mode	False	
Module B Secondary - LV Micro Disable Command	False	
Module B Secondary - PFC High Temperature Derating	False	
Module B Secondary - PFC Low Temperature Derating	False	
Module B Secondary - LLC High Temperature Derating	False	
Module B Secondary - LLC Low Temperature Derating	False	
Module B Secondary - HV High Temperature Derating	False	
Module B Secondary - HV Low Temperature Derating	False	
Module B Secondary - Ambient High Temperature Derating	False	
Module B Secondary - Ambient Low Temperature Derating	False	
Module B Secondary - AC Input Voltage Derating	True	
Module B Secondary - HV Output Voltage Derating	False	
SBC State_DF00	00	
SBC State_DF80	00	
SBC State_E100	00	
SBC State_E180	C2	
SBC State_E300	00	

SBC State_E500	00	
SBC State_E580	00	
OBCM Charge Current Available	15.75	AMP
BPCM HV Battery Contactor Open	False	
SBC Bus Off	True	
CANSIP Bus Off	False	
OBC Charge Time	1194	sec
OBC Charge Tml	25371	hrs
OBC Idle Time	6	sec
EPT LOC Diag Enable	Enable Limited LOC Diagnostic	
HCP Shutdown Command	No Shutdown	
HV Battey Contactor Open	False	
BPCM Request for HV Contactor	False	
HV Contactor Status	Open	
Ignition on Time for DTC	0	sec

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

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	7357	miles
Most Recent Odometer Value	7357	miles
Frequency Counter	1	
Ignition Cycle Counter	4	

VRM | B15AE-00 | Stored | Lost Low Voltage Differential Signal (LVDS) Connection with Media Port 2-

NAME	VALUE	UNITS
DTC	95 AE 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	
Original Odometer Value	7367	miles
Most Recent Odometer Value	7367	miles
Frequency Counter	1	
Ignition Cycle Counter	8	

ABSO | C2222-00 | Stored | Improper Powerdown-

NAME	VALUE	UNITS
DTC	62 22 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	False	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
Occurrence flag	Error	
Controller Event	No	
Mirror Memory	No	
Undervoltage Suspected	No	
Original Odometer Value	0	miles
Most Recent Odometer Value	7367	miles
Frequency Counter	1	
Ignition Cycle Counter	0	
Fault Time	0.00	S
Current System Mode	CAN active	
Previous System Mode	CAN active	
System Condition	OK	
Supply Voltage Valves	12.4	V
Brake Pedal Status	Released	
Supply voltage Pump	10.0	V
Brake Pedal Travel Sensor Position	0	%
Ignition Unfiltered	0.0	V
Wheel Speed Left Front	0.000	MPH
Rotation Direction Left Front	Forward	
Wheel Speed Right Front	0.000	MPH
Rotation Direction Right Front	Forward	
Wheel Speed Left Rear	0.000	MPH
Rotation Direction Left Rear	Forward	
Wheel Speed Right Rear	0.000	MPH
Rotation Direction Right Rear	Forward	
Steering Wheel Angle	0.00	°

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

SNAPSHOT DATA SUMMARY

No Snapshot Data available for U0074-00

No Snapshot Data available for U0073-00

No Snapshot Data available for B222D-00

No Snapshot Data available for U0415-00

No Snapshot Data available for C2227-00

No Snapshot Data available for U0415-00

No Snapshot Data available for U0002-00

No Snapshot Data available for U0186-00

No Snapshot Data available for P0A8F-00

No Snapshot Data available for U0074-00

No Snapshot Data available for P0AFA-00

No Snapshot Data available for U0074-00

No Snapshot Data available for U1814-00

No Snapshot Data available for U0293-00

No Snapshot Data available for B222D-00

No Snapshot Data available for B15AE-00

No Snapshot Data available for C2222-00

VEHICLE SCAN REPORT

Vehicle 2020 CHRYSLER PACIFICA (PHEV) 3.6L V6 HYBRID ENGINE
VIN [redacted]

Odometer 7369.8 miles
Publication Date Nov 17, 2021, 8:47:24 AM

ECU SUMMARY INFO

ECU	NAME	BUS TYPE	FLASH PART #	PART #
PCM	Powertrain Control Module	CAN-C	68444228AE	68444228AE
ICS	Integrated Center Stack	CAN-I	6UX621X8AA	6UX621X8AA
RFH	Radio Frequency Hub	CAN-C	68453559AB	68453559AB
ESM	Electronic Shifter	CAN-C	68240089AM	68240089AM
ORC	Occupant Restraint	CAN-C	68453076AD	68453076AD
EPS	Electric Power Steering	CAN-C	68460392AA	68460392AA
HVAC	Heat, Ventilation and A/C	CAN-I	68447893AC	68447893AC
DDM	Driver Door Module	CAN-I	68424449AC	68424449AC
PDM	Passenger Door Module	CAN-I	68424448AC	68424448AC
DMRL	Door Module Rear Left	CAN-I	68225096AG	68225096AG
DMRR	Door Module Rear Right	CAN-I	68225096AG	68225096AG
PSDML	Power Sliding Doors (Left)	CAN-I	68369596AD	68369596AD
PSDMR	Power Sliding Doors (Right)	CAN-I	68369596AD	68369596AD
MSM	Memory Seat Module	CAN-I	68321862AC	68321862AC
PLGM	Power Liftgate	CAN-I	68316094AF	68316094AF
CSWM	Comfort Seat Wheel Module	CAN-I	68434912AC	68434912AC
AMP	Amplifier	CAN-I	68448067AA	68448067AA
IPC	Instrument Panel Cluster	CAN-C	68434956AC	68434956AC
PTS	Parktronics	CAN-C	68193775AJ	68193775AJ
SCCM	Steering Column Control Module	CAN-C	68360889AD	68360889AD
BCM	Body Controller	CAN-C	68424601AE	68424601AE

ACC	Adaptive Cruise Control	CAN-C	68417813AF		68417813AF
RADIO	Radio	CAN-I	68461768AD		68461768AD
OCM	Occupant Classification	CAN-C	68403127AA		68403127AA
HVACR	Heat, Ventilation and A/C Rear	CAN-I	68373079AB		68373079AB
LBSS	Left Blind Spot Sensor	CAN-I	04672786AB		04672786AB
RBSS	Right Blind Spot Sensor	CAN-I	04672786AB		04672786AB
FFCM	Forward Facing Camera Module	CAN-C	68493395AA		68493395AA
EDM	External Disc Module	CAN-I	68378304AA		68378304AA
APM	Accessory Power Module	CAN-C	05185046AB		05185046AB
BPCM	Battery Pack Control Module	CAN-C	05193166AF		05193166AF
HCP	Hybrid Control Processor	CAN-C	05190265AF		05190265AF
OBCM	On Board Charging Module	CAN-C	05185047AE		05185047AE
MSMP	Memory Seat Module - Passenger	CAN-I	68321862AC		68321862AC
DSM	Display Screen Module	CAN-I	68316174AC		68316174AC
VRM	Video Routing Module	CAN-I	68376134AG		68376134AG
RCCC	Rear Cabin Comfort Controls	CAN-I	6WL30DX9AA		6WL30DX9AA
CVPM	Central vision processing module	CAN-I	68375113AB		68375113AB
EAC	Electric A/C Compressor	CAN-C	68237995AG		68237995AG
AHCP	Auxiliary Hybrid Control Processor	CAN-C	05190266AF		05190266AF
EBBM	Electronic Brake Booster Module	CAN-C	68461813AB		68461813AB
ABSO	Anti Lock Brakes OBD	CAN-C	68471122AD		68471122AD
SGW	Security Gateway Module	CAN-C	68447193AB		68447193AB

ECU SUMMARY INFO (CONT...)

ECU	COUNTRY CODE	HARDWARE VERSION	SOFTWARE VERSION	IDENT	CVNS
PCM	USA	1B 47	46 03 01	4419	31D751B0
ICS	USA	0F 0C 00	12 25 00	4700	
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	13 27 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	13 2C 90	4415	
ACC	USA / USA	14 12 01	14 1D 01	4400	
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	
FFCM	USA / USA	11 06 00	13 1E 00	4102	
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 17 00	4005	D721612D
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	
CVPM	USA / USA	11 32 01	12 33 00	4003	
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
RADIO	U0002-00	CAN C Bus Off Performance-	Stored
APM	P0AFA-00	Hybrid/EV Battery System Voltage Low-	Stored
BPCM	U0594-00	Implausible Data Received From Hybrid Control Module "A"-	Stored

BPCM	U0293-00	Lost Communication with Hybrid Control Module "A"-	Stored
BPCM	U0074-00	Dedicated Powertrain (D-PT) CAN Bus Off-	Stored
HCP	U0073-00	Hybrid/EV Bus Off-	Stored
HCP	U0111-00	Lost Communication With Battery Energy Control Module-	Stored
HCP	U0293-00	Lost Communication with Hybrid Control Module "A"-	Pending
HCP	U0298-00	Lost Communication With DC to DC Converter Control Module "A"-	Stored
HCP	U0624-00	Lost Communication with Coolant Pump "B"-	Pending
HCP	U1814-00	OBCM Lost Communication with BPCM-	Pending
HCP	U1817-00	Lost Communication With Hybrid Powertrain Control Module on D-PT-	Stored
OBCM	U0074-00	Dedicated Powertrain (D-PT) CAN Bus Off-	Stored
OBCM	U1814-00	OBCM Lost Communication with BPCM-	Stored
OBCM	U0293-00	Lost Communication with Hybrid Control Module "A"-	Stored
VRM	B15AE-00	Lost Low Voltage Differential Signal (LVDS) Connection with Media Port 2-	Active

ENVIRONMENTAL DATA SUMMARY

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

NAME	VALUE	UNITS
DTCTable	C0 02 00	
TestFailed	False	
TestFailedThisMonitoringCycle	True	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed This Monitoring Cycle	False	
Warning Indicator Requested	False	
DTCExtendedDataRecordNumber	FF	
Occurance Flag	Occurrence	
Reserved	Reserved	
Original Odometer Value	7347	miles
Most Recent Odometer Value	7367	miles
Frequency Counter	15	
Ignition Counter	0	
RDI $6080	60 80	
Event Counter	64	

APM | P0AFA-00 | Stored | Hybrid/EV Battery System Voltage Low-

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

Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
Occurrence flag	Error	
Original Odometer Value	7367	miles
Most Recent Odometer Value	7367	miles
Frequency Counter	1	
Ignition Cycle Counter	2	
APM High Voltage DC Current Set Point	7.0000	AMP
APM Low Voltage DC Current Set Point	100.0000	AMP
HCP Commanded APM Operating Mode	Off	
APM High Voltage DC Voltage Set Point	14.0000	Volt
APM Low Voltage DC Voltage Set Point	14.44	Volt
APM Operation Mode Status Reported from APM	Failure	
APM Derating Mode Status	No de-rating	
APM Derating Reason	Default(Normal Operation)	
APM Failure Mode Status	No failure	
APM Failure Reason	Failure because of short circuit at LV / Failure9	
Low voltage battery voltage from HCP	12.8800	Volt

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

NAME	VALUE	UNITS
Frequency Counter	2	
Ignition Cycle Counter	1	
FoM - for this DTC (lifetime fails)	12	events
FoM - for this DTC (lifetime fails counts on pass)	0.0000	seconds
FoM - for this DTC (lifetime longest fail on pass)	0.000	seconds
Battery Total Time Awake	39615996	seconds
Key in Ignition	Key_Def	
Key Position	Ign_Lock	
EPT -WakeUp	Sourced	
HCP Contactor Command	Closed	
Qualified Contactor Command - QCC	Open	
Verified Contactor Command - VCC	Invalid	
Contactor Status	Open	
Plug in Status	Not plugged in	
ChargingLevel	Plug In Not Detected	
Balance Mode	False	
Battery in Periodic wake up (Just battery) at time of Fault	False	
Battery in Periodic wake up (Wake up vehicle) at time of Fault	False	
Vehicle mileage at time of fault (ODO signal in $3D2)	7369.60	miles
Battery Lifetime Miles	638320	miles
Vehicle Speed	0.0	MPH
System (12) Volts at time of fault	12.668	Volts
Battery Lifetime AmpHrs of Charge	6682.9	AHr

Battery Lifetime AmpHrs of DisCharge	6669.3	AHr
SOC at time of Fault	41.6	%
Power Up SOC at time of Fault	25.5	%
HVIL Status -Vehicle	PASS	
HVIL Status - Battery pack	PASS	
HVIL PWM Duty Cycle - Vehicle	50.2	%
HVIL PWM Frequency - Vehicle	87.9	Hz
HVIL PWM peak voltage Sourced - Vehicle	11.370	Volts
HVIL PWM peak voltage Sensed - Vehicle	11.310	Volts
HVIL Source Voltage- Battery	1.370	Volts
HVIL Returned current - Battery	30.40	mA
HV Battery Current Sensor 1 Hall High	-0.85	Amps
HV Battery Current Sensor 2 Hall Low	-0.05	Amps
HV Battery Current HVBatCrnt	0.00	Amps
HV Cooling Speed Pump 1 Target	0	rpm
HV Cooling Speed pump 1 Speed	0	rpm
Charge indicator Temp	88	°F
BPCM temperature max	86	°F
BPCM temperature min	84	°F
Pump - Wire Open\Short to Gnd	PASS	
Pump - Dry Run Detection	PASS	
Pump - Overcurrent	PASS	
Pump - Overtemperature	PASS	
Pump - Switch Power Shorted	PASS	
Isolation Circuitry Va	2.497	Volts
Isolation Circuitry Vb	2.501	Volts
Isolation Circuitry Vd	0.000	Volts
WC and Circuitry 2.5V Reference Voltage	2.498	Volts
WC and Circuitry Vcc Voltage	5.017	Volts
WC and CircuitryISO 8V Reference Voltage	7.968	Volts
WC and Circuitry Weld Contactor Sensor G (Pack Negative) Voltage	-3.2	Volts
Cycles left to self heal	40	No Unit
Fault trigger level 1	False	
Fault trigger level 2	False	
Fault trigger level 3	False	
Fault Path	01	
HV Battery Charge Power 2sec	94965	watts
HV Battery Charge Power 10sec	93600	watts
HV Battery Discharge Power 2sec	94902	watts
HV Battery Discharge Power 10sec	93126	watts
HV Battery Power	007530	watts
Key - DriveRdy (CAN)	True	
Battery Lifetime Number Of Closes	1411	
Battery Full AmpHr Capacity	46	AmpHrs

Cell Impedance Max Discharge	0	mOhms
Cell Impedance Mim Discharge	0	mOhms
Battery Cell Voltage Maximum	3638	mV
Battery Cell Voltage Minimum	3631	mV
Battery Cell Voltage Average	3634	mV
Battery Cell Highest Cell number	86	
Battery Cell Lowest Cell number	31	
HV Battery Voltage (cell sum)	348.80	Volts
HV Battery Voltage (Module Sum)	348.50	Volts
HV Sensor A Pack Voltage	348.70	Volts
HV Sensor B Bus\Link (Pre-Fuse) Voltage	1.40	Volts
HV Sensor C OBCM (HVOBC Fuse) Voltage	0.80	Volts
HV Sensor D Heater (HVHTR Fuse) Voltage	0.80	Volts
HV Sensor G Weld Contactor(Pack Negative) Voltage	-3.2	Volts
Battery Temperature Maximum Module	86	°F
Battery Temperature Minimum Module	84	°F
Battery Temperature Average Module	84	°F
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	
HV Cooling Battery coolant inlet temp	79	°F
HV Cooling Battery coolant outlet temp	81	°F
HV Cooling OBCM temp inlet Temp	118	°F
Pump - Battery Coolant Level Low	False	
Isolation Vehicle Diagnostic Status	Run and Passed	
Isolation Vehicle Impedance	7.1502	Mega Ohms
Isolation Battery Diagnostic Status	Run and Passed	
Isolation Battery Impedance	0.8480	Mega Ohms
HV Bat SOH-R	100.0	%
HV Bat SOH-C	89.0	%
BPCM Sec Asic Reset Req	Not Active	
BPCM Sec QA Error Counter	2	cnts
BPCM Sec MM Hw Reset Error Counter	0	cnts
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 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	

BPCM L2 SM Hw Reset Error Counter	0	No Unit
Engine Speed	0	rpm
Accelerator position	0.0	%
Real time clock	429496.7295	seconds
Real time clock-OS Task Delay Timer	0	
Real Time Clock Validity	True	
DTC	C5 94 00	
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number - All	01	
Occurrence flag	Error	
Original Odometer Value	7367	miles
Most Recent Odometer Value	7367	miles
DTC Extended Data Record Number - 2	AB	

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

NAME	VALUE	UNITS
Frequency Counter	11	
Ignition Cycle Counter	1	
FoM - for this DTC (lifetime fails)	26	events
FoM - for this DTC (lifetime fails counts on pass)	0.0000	seconds
FoM - for this DTC (lifetime longest fail on pass)	0.000	seconds
Battery Total Time Awake	39615164	seconds
Key in Ignition	Key_Def	
Key Position	07	
EPT -WakeUp	Sourced	
HCP Contactor Command	Closed	
Qualified Contactor Command - QCC	Closed	
Verified Contactor Command - VCC	Closed Restricted	
Contactor Status	Closed	
Plug in Status	plug in charge (with current)	
ChargingLevel	Plugged into 208V to 240V AC (11.5kW)	
Balance Mode	False	
Battery in Periodic wake up (Just battery) at time of Fault	False	
Battery in Periodic wake up (Wake up vehicle) at time of Fault	False	
Vehicle mileage at time of fault (ODO signal in $3D2)	7369.60	miles
Battery Lifetime Miles	638320	miles
Vehicle Speed	0.0	MPH

System (12) Volts at time of fault	14.470	Volts
Battery Lifetime AmpHrs of Charge	6681.0	AHr
Battery Lifetime AmpHrs of DisCharge	6669.3	AHr
SOC at time of Fault	37.3	%
Power Up SOC at time of Fault	25.5	%
HVIL Status -Vehicle	PASS	
HVIL Status - Battery pack	PASS	
HVIL PWM Duty Cycle - Vehicle	50.2	%
HVIL PWM Frequency - Vehicle	87.9	Hz
HVIL PWM peak voltage Sourced - Vehicle	13.328	Volts
HVIL PWM peak voltage Sensed - Vehicle	13.284	Volts
HVIL Source Voltage- Battery	1.370	Volts
HVIL Returned current - Battery	30.40	mA
HV Battery Current Sensor 1 Hall High	-16.65	Amps
HV Battery Current Sensor 2 Hall Low	-14.85	Amps
HV Battery Current HVBatCrnt	-14.80	Amps
HV Cooling Speed Pump 1 Target	0	rpm
HV Cooling Speed pump 1 Speed	0	rpm
Charge indicator Temp	84	°F
BPCM temperature max	86	°F
BPCM temperature min	82	°F
Pump - Wire Open\Short to Gnd	PASS	
Pump - Dry Run Detection	PASS	
Pump - Overcurrent	PASS	
Pump - Overtemperature	PASS	
Pump - Switch Power Shorted	PASS	
Isolation Circuitry Va	2.497	Volts
Isolation Circuitry Vb	2.501	Volts
Isolation Circuitry Vd	0.000	Volts
WC and Circuitry 2.5V Reference Voltage	2.498	Volts
WC and Circuitry Vcc Voltage	5.024	Volts
WC and CircuitryISO 8V Reference Voltage	7.968	Volts
WC and Circuitry Weld Contactor Sensor G (Pack Negative) Voltage	-0.6	Volts
Cycles left to self heal	40	No Unit
Fault trigger level 1	False	
Fault trigger level 2	False	
Fault trigger level 3	False	
Fault Path	01	
HV Battery Charge Power 2sec	94521	watts
HV Battery Charge Power 10sec	93162	watts
HV Battery Discharge Power 2sec	94440	watts
HV Battery Discharge Power 10sec	92637	watts
HV Battery Power	007329	watts
Key - DriveRdy (CAN)	True	

Battery Lifetime Number Of Closes	1411	
Battery Full AmpHr Capacity	46	AmpHrs
Cell Impedance Max Discharge	0	mOhms
Cell Impedance Mim Discharge	0	mOhms
Battery Cell Voltage Maximum	3647	mV
Battery Cell Voltage Minimum	3640	mV
Battery Cell Voltage Average	3643	mV
Battery Cell Highest Cell number	89	
Battery Cell Lowest Cell number	31	
HV Battery Voltage (cell sum)	349.70	Volts
HV Battery Voltage (Module Sum)	349.40	Volts
HV Sensor A Pack Voltage	349.70	Volts
HV Sensor B Bus\Link (Pre-Fuse) Voltage	349.70	Volts
HV Sensor C OBCM (HVOBC Fuse) Voltage	349.70	Volts
HV Sensor D Heater (HVHTR Fuse) Voltage	349.70	Volts
HV Sensor G Weld Contactor(Pack Negative) Voltage	-0.6	Volts
Battery Temperature Maximum Module	86	°F
Battery Temperature Minimum Module	82	°F
Battery Temperature Average Module	84	°F
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	
HV Cooling Battery coolant inlet temp	79	°F
HV Cooling Battery coolant outlet temp	79	°F
HV Cooling OBCM temp inlet Temp	115	°F
Pump - Battery Coolant Level Low	False	
Isolation Vehicle Diagnostic Status	Run and Passed	
Isolation Vehicle Impedance	7.2272	Mega Ohms
Isolation Battery Diagnostic Status	Run and Passed	
Isolation Battery Impedance	0.8480	Mega Ohms
HV Bat SOH-R	100.0	%
HV Bat SOH-C	89.0	%
BPCM Sec Asic Reset Req	Not Active	
BPCM Sec QA Error Counter	0	cnts
BPCM Sec MM Hw Reset Error Counter	0	cnts
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 L2 ASIC Diagnostic Flt Rsn	ADCTest	
BPCM Sec HW Timer Status	Not Active	
BPCM Sec Contactor State	Close	

BPCM Main HW Timer Status	Not Active	
BPCM Sec Asic Fault State	NOTASSERTED	
BPCM L2 SM Hw Reset Error Counter	0	No Unit
Engine Speed	0	rpm
Accelerator position	0.0	%
Real time clock	429496.7295	seconds
Real time clock-OS Task Delay Timer	0	
Real Time Clock Validity	True	
DTC	C2 93 00	
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number - All	01	
Occurrence flag	Error	
Original Odometer Value	7367	miles
Most Recent Odometer Value	7367	miles
DTC Extended Data Record Number - 2	A8	

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

NAME	VALUE	UNITS
Frequency Counter	12	
Ignition Cycle Counter	1	
FoM - for this DTC (lifetime fails)	21	events
FoM - for this DTC (lifetime fails counts on pass)	72.1700	seconds
FoM - for this DTC (lifetime longest fail on pass)	0.180	seconds
Battery Total Time Awake	39615164	seconds
Key in Ignition	Key_Def	
Key Position	07	
EPT -WakeUp	Sourced	
HCP Contactor Command	Closed	
Qualified Contactor Command - QCC	Closed	
Verified Contactor Command - VCC	Closed Unrestricted	
Contactor Status	Closed	
Plug in Status	plug in charge (with current)	
ChargingLevel	Plugged into 208V to 240V AC (11.5kW)	
Balance Mode	False	
Battery in Periodic wake up (Just battery) at time of Fault	False	
Battery in Periodic wake up (Wake up vehicle) at time of Fault	False	
Vehicle mileage at time of fault (ODO signal in $3D2)	7369.60	miles

Battery Lifetime Miles	638320	miles
Vehicle Speed	0.0	MPH
System (12) Volts at time of fault	14.470	Volts
Battery Lifetime AmpHrs of Charge	6681.0	AHr
Battery Lifetime AmpHrs of DisCharge	6669.3	AHr
SOC at time of Fault	37.3	%
Power Up SOC at time of Fault	25.5	%
HVIL Status -Vehicle	PASS	
HVIL Status - Battery pack	PASS	
HVIL PWM Duty Cycle - Vehicle	50.2	%
HVIL PWM Frequency - Vehicle	87.9	Hz
HVIL PWM peak voltage Sourced - Vehicle	13.295	Volts
HVIL PWM peak voltage Sensed - Vehicle	13.254	Volts
HVIL Source Voltage- Battery	1.370	Volts
HVIL Returned current - Battery	30.40	mA
HV Battery Current Sensor 1 Hall High	-18.15	Amps
HV Battery Current Sensor 2 Hall Low	-14.90	Amps
HV Battery Current HVBatCrnt	-14.80	Amps
HV Cooling Speed Pump 1 Target	0	rpm
HV Cooling Speed pump 1 Speed	0	rpm
Charge indicator Temp	84	°F
BPCM temperature max	86	°F
BPCM temperature min	82	°F
Pump - Wire Open\Short to Gnd	PASS	
Pump - Dry Run Detection	PASS	
Pump - Overcurrent	PASS	
Pump - Overtemperature	PASS	
Pump - Switch Power Shorted	PASS	
Isolation Circuitry Va	2.497	Volts
Isolation Circuitry Vb	2.501	Volts
Isolation Circuitry Vd	0.000	Volts
WC and Circuitry 2.5V Reference Voltage	2.498	Volts
WC and Circuitry Vcc Voltage	5.024	Volts
WC and CircuitryISO 8V Reference Voltage	7.971	Volts
WC and Circuitry Weld Contactor Sensor G (Pack Negative) Voltage	-0.6	Volts
Cycles left to self heal	40	No Unit
Fault trigger level 1	False	
Fault trigger level 2	False	
Fault trigger level 3	False	
Fault Path	01	
HV Battery Charge Power 2sec	94521	watts
HV Battery Charge Power 10sec	93162	watts
HV Battery Discharge Power 2sec	94440	watts
HV Battery Discharge Power 10sec	92637	watts

HV Battery Power	007329	watts
Key - DriveRdy (CAN)	True	
Battery Lifetime Number Of Closes	1411	
Battery Full AmpHr Capacity	46	AmpHrs
Cell Impedance Max Discharge	0	mOhms
Cell Impedance Mim Discharge	0	mOhms
Battery Cell Voltage Maximum	3647	mV
Battery Cell Voltage Minimum	3640	mV
Battery Cell Voltage Average	3643	mV
Battery Cell Highest Cell number	89	
Battery Cell Lowest Cell number	31	
HV Battery Voltage (cell sum)	349.70	Volts
HV Battery Voltage (Module Sum)	349.40	Volts
HV Sensor A Pack Voltage	349.70	Volts
HV Sensor B Bus\Link (Pre-Fuse) Voltage	349.70	Volts
HV Sensor C OBCM (HVOBC Fuse) Voltage	349.70	Volts
HV Sensor D Heater (HVHTR Fuse) Voltage	349.70	Volts
HV Sensor G Weld Contactor(Pack Negative) Voltage	-0.6	Volts
Battery Temperature Maximum Module	86	°F
Battery Temperature Minimum Module	82	°F
Battery Temperature Average Module	84	°F
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	
HV Cooling Battery coolant inlet temp	79	°F
HV Cooling Battery coolant outlet temp	79	°F
HV Cooling OBCM temp inlet Temp	115	°F
Pump - Battery Coolant Level Low	False	
Isolation Vehicle Diagnostic Status	Run and Passed	
Isolation Vehicle Impedance	7.2272	Mega Ohms
Isolation Battery Diagnostic Status	Run and Passed	
Isolation Battery Impedance	0.8480	Mega Ohms
HV Bat SOH-R	100.0	%
HV Bat SOH-C	89.0	%
BPCM Sec Asic Reset Req	Not Active	
BPCM Sec QA Error Counter	0	cnts
BPCM Sec MM Hw Reset Error Counter	0	cnts
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 L2 ASIC Diagnostic Flt Rsn	ADCTest	

BPCM Sec HW Timer Status	Not Active	
BPCM Sec Contactor State	Close	
BPCM Main HW Timer Status	Not Active	
BPCM Sec Asic Fault State	NOTASSERTED	
BPCM L2 SM Hw Reset Error Counter	0	No Unit
Engine Speed	0	rpm
Accelerator position	0.0	%
Real time clock	429496.7295	seconds
Real time clock-OS Task Delay Timer	0	
Real Time Clock Validity	True	
DTC	C0 74 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	
Original Odometer Value	7367	miles
Most Recent Odometer Value	7367	miles
DTC Extended Data Record Number - 2	A5	

HCP | U0073-00 | Stored | Hybrid/EV Bus Off-

NAME	VALUE	UNITS
DTC	C0 73 00	
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	True	
Occurrence flag	Occurrence	
Original Odometer Value	7369.7	miles
Most Recent Odometer Value	7369.7	miles
Frequency Counter	14	
Ignition Cycle Counter	0	
Real time clock	39616272	sec
RAM stamps keyOn	375	sec
RAM Stamps	45704	Min

Accelerator Pedal Position	0	%
Brake Switch Status	Not Applied	
Engine Speed	0	rpm
HV Battery SOC	42	%
Ignition State	Ignition Lock	
PRND Position Display	P	
Propulsion System Active	False	
Vehicle Speed	0.0000	MPH
Motor A Temp Sensor	120	°F
Motor B Temp Sensor	127	°F
Barometric Pressure	15	PSI
Engine Coolant Temperature	176	°F
Internal EPS Voltage Sense A	8.208	Volts
Internal EPS Voltage Sense B	8.136	Volts
Motor A Torque	0.000	Ft-Lbs
Motor B Torque	0.000	Ft-Lbs
Actual Torque - Motor A	0.000	Ft-Lbs
Actual Torque - Motor B	0.000	Ft-Lbs
Available Motor Torque - Motor A	87.205	Ft-Lbs
Available Motor Torque - Motor B	232.301	Ft-Lbs
Available Regen Torque - Motor A	-87.205	Ft-Lbs
Available Regen Torque - Motor B	-232.301	Ft-Lbs
Commanded Torque - Motor A	0.000	Ft-Lbs
Commanded Torque - Motor B	0.000	Ft-Lbs
Motor A - Inverter Current - phase A	-4	AMP
Motor A - Inverter Current - phase B	0	AMP
Motor A - Inverter Current - phase C	0	AMP
Motor B - Inverter Current - phase A	-4	AMP
Motor B - Inverter Current - phase B	0	AMP
Motor B - Inverter Current - phase C	-4	AMP
Motor B Resolver Angle	156	Degree
Motor A Resolver Angle	222	Degree
Electric Motor A Speed	0.0	rpm
Electric Motor B Speed	0.0	rpm
PIM DC Link Voltage - A	29	Volts
PIM DC Link Voltage - B	29	Volts
HCP ePT Wake-Up Output	On	
CBC Wake-Up Input	Off	
HCP System Shutdown Command	Default	
HV Battery Voltage from BPCM	180.00	Volts
SW Build Release Version	PIM_C19A_2003B0_RU_HCP__	
HCP SW Version	C19A	
EPT LOC Diag Enable	Enable Limited LOC Diagnostic	
HV Contactor Status	Closed	

APM Status	Off	
Impact Event	False	
Outside Air Temperature	71.6	°F
OBCM Operating Mode	Stop	
J1772 Prox Detected State	Prox Detected	
HV Battery Sleep Time	0	Days
Battery Feed Voltage 1 Sense	13.104	Volts
Battery Feed Voltage 2 Sense	13.032	Volts
Battery Feed Voltage 3 Sense	12.960	Volts
Hybrid System State	SNA	
Inverter A IGBT Temperature for phase A	117	°F
Inverter A IGBT Temperature for phase B	117	°F
Inverter A IGBT Temperature for phase C	117	°F
Inverter B IGBT Temperature for phase A	117	°F
Inverter B IGBT Temperature for phase B	117	°F
Inverter B IGBT Temperature for phase C	117	°F
PHEV Charging Status	No Charging	
Distance Travelled with Light ON	0	miles
GPS Date - Year	0	Year
GPS Date - Month	1	
GPS Date - Day	1	Days
UTC Time - Hours	0	Hours
UTC Time - Minutes	0	
UTC Time - Seconds	0	seconds
ECU Time - Milliseconds	0	ms

HCP | U0111-00 | Stored | Lost Communication With Battery Energy Control Module-

NAME	VALUE	UNITS
DTC	C1 11 00	
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	True	
Occurrence flag	Occurrence	
Original Odometer Value	7369.7	miles
Most Recent Odometer Value	7369.7	miles
Frequency Counter	4	
Ignition Cycle Counter	0	
Real time clock	39616272	sec
RAM stamps keyOn	375	sec

RAM Stamps	45704	Min
Accelerator Pedal Position	0	%
Brake Switch Status	Not Applied	
Engine Speed	0	rpm
HV Battery SOC	42	%
Ignition State	Ignition Lock	
PRND Position Display	P	
Propulsion System Active	False	
Vehicle Speed	0.0000	MPH
Motor A Temp Sensor	120	°F
Motor B Temp Sensor	127	°F
Barometric Pressure	15	PSI
Engine Coolant Temperature	176	°F
Internal EPS Voltage Sense A	8.208	Volts
Internal EPS Voltage Sense B	8.136	Volts
Motor A Torque	0.000	Ft-Lbs
Motor B Torque	0.000	Ft-Lbs
Actual Torque - Motor A	0.000	Ft-Lbs
Actual Torque - Motor B	0.000	Ft-Lbs
Available Motor Torque - Motor A	87.205	Ft-Lbs
Available Motor Torque - Motor B	232.301	Ft-Lbs
Available Regen Torque - Motor A	-87.205	Ft-Lbs
Available Regen Torque - Motor B	-232.301	Ft-Lbs
Commanded Torque - Motor A	0.000	Ft-Lbs
Commanded Torque - Motor B	0.000	Ft-Lbs
Motor A - Inverter Current - phase A	-4	AMP
Motor A - Inverter Current - phase B	0	AMP
Motor A - Inverter Current - phase C	-4	AMP
Motor B - Inverter Current - phase A	-4	AMP
Motor B - Inverter Current - phase B	-4	AMP
Motor B - Inverter Current - phase C	-4	AMP
Motor B Resolver Angle	156	Degree
Motor A Resolver Angle	222	Degree
Electric Motor A Speed	0.0	rpm
Electric Motor B Speed	0.0	rpm
PIM DC Link Voltage - A	232	Volts
PIM DC Link Voltage - B	230	Volts
HCP ePT Wake-Up Output	On	
CBC Wake-Up Input	Off	
HCP System Shutdown Command	Default	
HV Battery Voltage from BPCM	231.10	Volts
SW Build Release Version	PIM_C19A_2003B0_RU_HCP__	
HCP SW Version	C19A	
EPT LOC Diag Enable	Enable Limited LOC Diagnostic	

HV Contactor Status	Closed	
APM Status	Off	
Impact Event	False	
Outside Air Temperature	71.6	°F
OBCM Operating Mode	Stop	
J1772 Prox Detected State	Prox Detected	
HV Battery Sleep Time	0	Days
Battery Feed Voltage 1 Sense	13.176	Volts
Battery Feed Voltage 2 Sense	13.176	Volts
Battery Feed Voltage 3 Sense	13.032	Volts
Hybrid System State	SNA	
Inverter A IGBT Temperature for phase A	117	°F
Inverter A IGBT Temperature for phase B	118	°F
Inverter A IGBT Temperature for phase C	117	°F
Inverter B IGBT Temperature for phase A	117	°F
Inverter B IGBT Temperature for phase B	117	°F
Inverter B IGBT Temperature for phase C	117	°F
PHEV Charging Status	No Charging	
Distance Travelled with Light ON	0	miles
GPS Date - Year	0	Year
GPS Date - Month	1	
GPS Date - Day	1	Days
UTC Time - Hours	0	Hours
UTC Time - Minutes	0	
UTC Time - Seconds	0	seconds
ECU Time - Milliseconds	0	ms

HCP | U0293-00 | Pending | Lost Communication with Hybrid Control Module "A"-

NAME	VALUE	UNITS
DTC	C2 93 00	
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	True	
Confirmed DTC	False	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number		
Occurrence flag		
Original Odometer Value		miles
Most Recent Odometer Value		miles
Frequency Counter		
Ignition Cycle Counter		

Real time clock		sec
RAM stamps keyOn		sec
RAM Stamps		Min
Accelerator Pedal Position		%
Brake Switch Status		
Engine Speed		rpm
Ignition State		
PRND Position Display		
Propulsion System Active		
Vehicle Speed		MPH
Barometric Pressure		PSI
Engine Coolant Temperature		°F
HVIL Sense Input State		
No Charging Reasons		
Battery Feed Voltage 2 Sense		Volts
Internal EPS Voltage Sense A		Volts
Internal EPS Voltage Sense B		Volts
HCP ePT Wake-Up Output		
CBC Wake-Up Input		
Hybrid System State		
SW Build Release Version		
HCP SW Version		
EPT LOC Diag Enable		
CAN Overrun Counter		Number
Impact Event		
Outside Air Temperature		°F
Maximum Charge Current Allowed		Amps
Charge Current Available		AMP
OBCM Derating Reason		
OBCM Operating Mode		
HCP Commanded OBCM Mode		
J1772 Prox Detected State		
J1772 Pilot Detected State		
OBCM J1772 S2 Status		
HCP J1772 S2 Close Command		
OBCM Ready to Charge		
HCP Command to Enable Charging		
HCP Charging System Status		
HCP Charging Level		
HCP Charging System Fault		
HCP Charging Fault Reason		
HV Battery Contactor State		
DC Voltage Not Detected		
AC Voltage Detected		

HV Battery Actual Current		AMP
AC Voltage for Charging		Volts
AC Current During Charging		Amps
Maximum EVSE Current Available		AMP
HCP Charging Current Command		AMP
HCP Charging Voltage Command		Volts
DC Charging Current		Amps
OBCM Charging Voltage		Volts
OBCM Module A Max Temperature		°F
OBCM Module B Max Temperature		°F
OBCM Module A PCB Temperature		°F
OBCM Module B PCB Temperature		°F
OBCM Accumulated Charging Time		hrs
OBCM Charging Power		KW-Hrs
HV Battery Pump Current		AMP
Radiator Fan Command		%
HV Battery Inlet Temperature		°F
HV Battery Outlet Temperature		°F
HV Battery Min Cell Voltage		Volts
Max Cell Voltage		Volts
Min Cell Temperature		°F
Max Cell Temperature		°F
HV Battery Sleep Time		Days
HV Battery SOC		%
Battery Feed Voltage 1 Sense		Volts
Battery Feed Voltage 3 Sense		Volts
Actual Torque - Motor A		Ft-Lbs
Actual Torque - Motor B		Ft-Lbs
Available Motor Torque - Motor A		Ft-Lbs
Available Motor Torque - Motor B		Ft-Lbs
Available Regen Torque - Motor A		Ft-Lbs
Available Regen Torque - Motor B		Ft-Lbs
Commanded Torque - Motor A		Ft-Lbs
Commanded Torque - Motor B		Ft-Lbs
Motor A - Inverter Current - phase A		AMP
Motor A - Inverter Current - phase B		AMP
Motor A - Inverter Current - phase C		AMP
Motor B - Inverter Current - phase A		AMP
Motor B - Inverter Current - phase B		AMP
Motor B - Inverter Current - phase C		AMP
Motor A Resolver Angle		Degree
Motor B Resolver Angle		Degree
Motor A Temp Sensor		°F
Motor B Temp Sensor		°F

HV Contactor Status		
HV Battery Voltage from BPCM		Volts
Electric Motor A Speed		rpm
Electric Motor B Speed		rpm
PIM DC Link Voltage - A		Volts
PIM DC Link Voltage - B		Volts
Inverter A IGBT Temperature for phase A		°F
Inverter A IGBT Temperature for phase B		°F
Inverter A IGBT Temperature for phase C		°F
Inverter B IGBT Temperature for phase A		°F
Inverter B IGBT Temperature for phase B		°F
Inverter B IGBT Temperature for phase C		°F
APM Status		
HCP System Shutdown Command		
PHEV Charging Status		
Distance Travelled with Light ON		miles
Motor A Torque		Ft-Lbs
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 | U0298-00 | Stored | Lost Communication With DC to DC Converter Control Module "A"-

NAME	VALUE	UNITS
DTC	C2 98 00	
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
Occurrence flag	Occurrence	
Original Odometer Value	7369.7	miles
Most Recent Odometer Value	7369.7	miles
Frequency Counter	1	
Ignition Cycle Counter	0	
Real time clock	39616052	sec
RAM stamps keyOn	120	sec

RAM Stamps	45700	Min
Accelerator Pedal Position	0	%
Brake Switch Status	Not Applied	
Engine Speed	0	rpm
HV Battery SOC	42	%
Ignition State	Ignition Lock	
PRND Position Display	P	
Propulsion System Active	False	
Vehicle Speed	0.0000	MPH
Motor A Temp Sensor	120	°F
Motor B Temp Sensor	127	°F
Barometric Pressure	15	PSI
Engine Coolant Temperature	176	°F
Internal EPS Voltage Sense A	8.208	Volts
Internal EPS Voltage Sense B	8.136	Volts
Motor A Torque	0.000	Ft-Lbs
Motor B Torque	0.000	Ft-Lbs
Actual Torque - Motor A	0.000	Ft-Lbs
Actual Torque - Motor B	0.000	Ft-Lbs
Available Motor Torque - Motor A	87.205	Ft-Lbs
Available Motor Torque - Motor B	232.301	Ft-Lbs
Available Regen Torque - Motor A	-87.205	Ft-Lbs
Available Regen Torque - Motor B	-232.301	Ft-Lbs
Commanded Torque - Motor A	0.000	Ft-Lbs
Commanded Torque - Motor B	0.000	Ft-Lbs
Motor A - Inverter Current - phase A	0	AMP
Motor A - Inverter Current - phase B	-4	AMP
Motor A - Inverter Current - phase C	0	AMP
Motor B - Inverter Current - phase A	-4	AMP
Motor B - Inverter Current - phase B	0	AMP
Motor B - Inverter Current - phase C	0	AMP
Motor B Resolver Angle	156	Degree
Motor A Resolver Angle	222	Degree
Electric Motor A Speed	0.0	rpm
Electric Motor B Speed	0.0	rpm
PIM DC Link Voltage - A	353	Volts
PIM DC Link Voltage - B	350	Volts
HCP ePT Wake-Up Output	On	
CBC Wake-Up Input	Off	
HCP System Shutdown Command	Default	
HV Battery Voltage from BPCM	351.40	Volts
SW Build Release Version	PIM_C19A_2003B0_RU_HCP__	
HCP SW Version	C19A	
EPT LOC Diag Enable	Enable Limited LOC Diagnostic	

HV Contactor Status	Closed	
APM Status	Buck CV	
Impact Event	False	
Outside Air Temperature	69.8	°F
OBCM Operating Mode	UTC	
J1772 Prox Detected State	Prox Detected	
HV Battery Sleep Time	0	Days
Battery Feed Voltage 1 Sense	14.400	Volts
Battery Feed Voltage 2 Sense	14.328	Volts
Battery Feed Voltage 3 Sense	14.184	Volts
Hybrid System State	High Voltage Enabled	
Inverter A IGBT Temperature for phase A	118	°F
Inverter A IGBT Temperature for phase B	118	°F
Inverter A IGBT Temperature for phase C	118	°F
Inverter B IGBT Temperature for phase A	118	°F
Inverter B IGBT Temperature for phase B	118	°F
Inverter B IGBT Temperature for phase C	118	°F
PHEV Charging Status	No Charging	
Distance Travelled with Light ON	0	miles
GPS Date - Year	0	Year
GPS Date - Month	1	
GPS Date - Day	1	Days
UTC Time - Hours	0	Hours
UTC Time - Minutes	0	
UTC Time - Seconds	0	seconds
ECU Time - Milliseconds	0	ms

HCP | U0624-00 | Pending | Lost Communication with Coolant Pump "B"-

NAME	VALUE	UNITS
DTC	C6 24 00	
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	True	
Confirmed DTC	False	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
Occurrence flag		
Original Odometer Value		miles
Most Recent Odometer Value		miles
Frequency Counter		
Ignition Cycle Counter		
Real time clock		sec

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

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

HCP | U1814-00 | Pending | OBCM Lost Communication with BPCM-

NAME	VALUE	UNITS
DTC	D8 14 00	
Test Failed	False	
Test Failed This Operation Cycle	False	

Pending DTC	True	
Confirmed DTC	False	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number		
Occurrence flag		
Original Odometer Value		miles
Most Recent Odometer Value		miles
Frequency Counter		
Ignition Cycle Counter		
Real time clock		sec
RAM stamps keyOn		sec
RAM Stamps		Min
Accelerator Pedal Position		%
Brake Switch Status		
Engine Speed		rpm
Ignition State		
PRND Position Display		
Propulsion System Active		
Vehicle Speed		MPH
Barometric Pressure		PSI
Engine Coolant Temperature		°F
HVIL Sense Input State		
No Charging Reasons		
Battery Feed Voltage 2 Sense		Volts
Internal EPS Voltage Sense A		Volts
Internal EPS Voltage Sense B		Volts
HCP ePT Wake-Up Output		
CBC Wake-Up Input		
Hybrid System State		
SW Build Release Version		
HCP SW Version		
EPT LOC Diag Enable		
CAN Overrun Counter		Number
Impact Event		
Outside Air Temperature		°F
Maximum Charge Current Allowed		Amps
Charge Current Available		AMP
OBCM Derating Reason		
OBCM Operating Mode		
HCP Commanded OBCM Mode		
J1772 Prox Detected State		

J1772 Pilot Detected State		
OBCM J1772 S2 Status		
HCP J1772 S2 Close Command		
OBCM Ready to Charge		
HCP Command to Enable Charging		
HCP Charging System Status		
HCP Charging Level		
HCP Charging System Fault		
HCP Charging Fault Reason		
HV Battery Contactor State		
DC Voltage Not Detected		
AC Voltage Detected		
HV Battery Actual Current		AMP
AC Voltage for Charging		Volts
AC Current During Charging		Amps
Maximum EVSE Current Available		AMP
HCP Charging Current Command		AMP
HCP Charging Voltage Command		Volts
DC Charging Current		Amps
OBCM Charging Voltage		Volts
OBCM Module A Max Temperature		°F
OBCM Module B Max Temperature		°F
OBCM Module A PCB Temperature		°F
OBCM Module B PCB Temperature		°F
OBCM Accumulated Charging Time		hrs
OBCM Charging Power		KW-Hrs
HV Battery Pump Current		AMP
Radiator Fan Command		%
HV Battery Inlet Temperature		°F
HV Battery Outlet Temperature		°F
HV Battery Min Cell Voltage		Volts
Max Cell Voltage		Volts
Min Cell Temperature		°F
Max Cell Temperature		°F
HV Battery Sleep Time		Days
HV Battery SOC		%
Battery Feed Voltage 1 Sense		Volts
Battery Feed Voltage 3 Sense		Volts
Actual Torque - Motor A		Ft-Lbs
Actual Torque - Motor B		Ft-Lbs
Available Motor Torque - Motor A		Ft-Lbs
Available Motor Torque - Motor B		Ft-Lbs
Available Regen Torque - Motor A		Ft-Lbs
Available Regen Torque - Motor B		Ft-Lbs

Commanded Torque - Motor A		Ft-Lbs
Commanded Torque - Motor B		Ft-Lbs
Motor A - Inverter Current - phase A		AMP
Motor A - Inverter Current - phase B		AMP
Motor A - Inverter Current - phase C		AMP
Motor B - Inverter Current - phase A		AMP
Motor B - Inverter Current - phase B		AMP
Motor B - Inverter Current - phase C		AMP
Motor A Resolver Angle		Degree
Motor B Resolver Angle		Degree
Motor A Temp Sensor		°F
Motor B Temp Sensor		°F
HV Contactor Status		
HV Battery Voltage from BPCM		Volts
Electric Motor A Speed		rpm
Electric Motor B Speed		rpm
PIM DC Link Voltage - A		Volts
PIM DC Link Voltage - B		Volts
Inverter A IGBT Temperature for phase A		°F
Inverter A IGBT Temperature for phase B		°F
Inverter A IGBT Temperature for phase C		°F
Inverter B IGBT Temperature for phase A		°F
Inverter B IGBT Temperature for phase B		°F
Inverter B IGBT Temperature for phase C		°F
APM Status		
HCP System Shutdown Command		
PHEV Charging Status		
Distance Travelled with Light ON		miles
Motor A Torque		Ft-Lbs
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 | U1817-00 | Stored | Lost Communication With Hybrid Powertrain Control Module on D-PT-

NAME	VALUE	UNITS
DTC	D8 17 00	
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	True	

Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	True	
Occurrence flag	Occurrence	
Original Odometer Value	7369.7	miles
Most Recent Odometer Value	7369.7	miles
Frequency Counter	18	
Ignition Cycle Counter	0	
Real time clock	39619412	sec
RAM stamps keyOn	0	sec
RAM Stamps	45704	Min
Accelerator Pedal Position	0	%
Brake Switch Status	Not Applied	
Engine Speed	0	rpm
HV Battery SOC	42	%
Ignition State	Ignition Lock	
PRND Position Display	P	
Propulsion System Active	False	
Vehicle Speed	0.0000	MPH
Motor A Temp Sensor	115	°F
Motor B Temp Sensor	117	°F
Barometric Pressure	15	PSI
Engine Coolant Temperature	176	°F
Internal EPS Voltage Sense A	8.208	Volts
Internal EPS Voltage Sense B	8.136	Volts
Motor A Torque	0.000	Ft-Lbs
Motor B Torque	0.000	Ft-Lbs
Actual Torque - Motor A	0.000	Ft-Lbs
Actual Torque - Motor B	0.000	Ft-Lbs
Available Motor Torque - Motor A	87.205	Ft-Lbs
Available Motor Torque - Motor B	232.301	Ft-Lbs
Available Regen Torque - Motor A	-87.205	Ft-Lbs
Available Regen Torque - Motor B	-232.301	Ft-Lbs
Commanded Torque - Motor A	0.000	Ft-Lbs
Commanded Torque - Motor B	0.000	Ft-Lbs
Motor A - Inverter Current - phase A	0	AMP
Motor A - Inverter Current - phase B	0	AMP
Motor A - Inverter Current - phase C	0	AMP
Motor B - Inverter Current - phase A	0	AMP
Motor B - Inverter Current - phase B	-4	AMP
Motor B - Inverter Current - phase C	0	AMP
Motor B Resolver Angle	156	Degree

Motor A Resolver Angle	222	Degree
Electric Motor A Speed	0.0	rpm
Electric Motor B Speed	0.0	rpm
PIM DC Link Voltage - A	352	Volts
PIM DC Link Voltage - B	350	Volts
HCP ePT Wake-Up Output	On	
CBC Wake-Up Input	Off	
HCP System Shutdown Command	Default	
HV Battery Voltage from BPCM	351.30	Volts
SW Build Release Version	PIM_C19A_2003B0_RU_HCP__	
HCP SW Version	C19A	
EPT LOC Diag Enable	Enable Limited LOC Diagnostic	
HV Contactor Status	Closed	
APM Status	Buck CV	
Impact Event	False	
Outside Air Temperature	63.5	°F
OBCM Operating Mode	Idle	
J1772 Prox Detected State	Prox Detected	
HV Battery Sleep Time	0	Days
Battery Feed Voltage 1 Sense	14.400	Volts
Battery Feed Voltage 2 Sense	14.400	Volts
Battery Feed Voltage 3 Sense	14.256	Volts
Hybrid System State	High Voltage Enabled	
Inverter A IGBT Temperature for phase A	108	°F
Inverter A IGBT Temperature for phase B	106	°F
Inverter A IGBT Temperature for phase C	106	°F
Inverter B IGBT Temperature for phase A	106	°F
Inverter B IGBT Temperature for phase B	104	°F
Inverter B IGBT Temperature for phase C	106	°F
PHEV Charging Status	No Charging	
Distance Travelled with Light ON	0	miles
GPS Date - Year	0	Year
GPS Date - Month	1	
GPS Date - Day	1	Days
UTC Time - Hours	0	Hours
UTC Time - Minutes	0	
UTC Time - Seconds	0	seconds
ECU Time - Milliseconds	0	ms

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	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number - All	01	
Occurrence flag	Error	
Original Odometer Value	7367	miles
Most Recent Odometer Value	7367	miles
Frequency Counter	6	
Ignition Cycle Counter	2	
DTC Extended Data Record Number - Record #2	2B	
OBCM Status AC Present	AC OK	
AC Line Low	Not Valid	
AC Line High	Not Valid	
AC Side Current	0.60	Amps
AC Side Volt	210.2	Volts
HCP (EVCU) AC Current Max Cal	-0.50	Amps
HCP (EVCU) Voltage Request	400	Volts
HCP (EVCU) Current Request	15.75	AMP
Battery Not Detected	False	
Battery Voltage Under Min	Not Valid	
Battery Voltage Over Max	Not Valid	
Battery Side Current	0.20	Amps
Battery Side Voltage	170.2	Volts
HV OC	False	
HV OV	False	
HCP (EVCU) HV Current Max Cal	-12.00	Amps
HCP (EVCU) HV Volt Max Cal	152	Volt
HCP (EVCU) HV Volt Min Cal	244	Volt
OBCM Temperature 1	151	°F
OBCM Temperature 2	149	°F
OBCM Temperature 3	135	°F
OBCM Temperature 4	135	°F
NTC1 OT	False	
NTC2 OT	False	
NTC3 OT	False	
NTC4 OT	False	
External OBCM Inlet Temperature (CAN)	-40	°F
J1772 ICA	30	AMP
J1772 S2 Close	Closed	
J1772 Stat	Connection Ready Vent Req	
J1772 S2 Status	Closed	

Control Pilot Amplitude	5.784	Volts
Control Pilot Duty Cycle	49.78	%
Control Pilot Frequency	985	Hz
EVSE Pilot Stat	CP DET	
Prox Stat	Prox Detected	
Prox Voltage	1.435	Volt
OBC Idle Tml	120	hrs
Watt-Hours of AC Power	1995	W-Hrs
Watt Hours of Charge the HV Bus	1830	W-Hrs
OBCM Mode	Stop	
OBCM Charger Ready	On	
OBCM WU Status	On	
Charge Enable Status	Chrg Disable	
HCP (EVCU) Shutdown Command	EVCU Operational	
HCP (EVCU) Enable Charge Command	Charge enable	
HCP (EVCU) OBC Mode Request	charge	
Generic Fail Sts	At Least One DTC set on Sys Mem	
Chrg Fail Sts	Faulted - Charging Terminated	
OBCM Wake Up Reason	Pilot Voltage	
OBC Control Mth	Current	
OBCM Deraing Reason	AC Voltage Limit Derating	
Close Chrgr Cntctr	Open	
Chrgr Cntctr Stat	Closed	
Chrg Mode	Charge Mode	
OBCM Fault Reason	Communications Fault	
Module A Primary - PFC Temperature	135	°F
Module A Primary - LLC Temperature	135	°F
Module A Secondary - Buck Temperature	135	°F
Module A Secondary - Ambient Temperature	149	°F
Module A Primary - AC Side Volt	210.1	Volts
Module A Primary - AC Side Current	-24.60	Amps
Module A Secondary - Battery Side Voltage	170.2	Volts
Module A Secondary - Battery Side Current	-24.90	Amps
Module A Secondary - Buck Output Voltage	337.4	Volts
Module B Primary - PFC Temperature	144	°F
Module B Primary - LLC Temperature	140	°F
Module B Secondary - Buck Temperature	135	°F
Module B Secondary - Ambient Temperature	151	°F
Module B Primary - AC Side Volt	210.4	Volts
Module B Primary - AC Side Current	-24.80	Amps
Module B Secondary - Battery Side Voltage	170.2	Volts
Module B Secondary - Battery Side Current	-24.90	Amps
Module B Secondary - Buck Output Voltage	336.6	Volts
OBCM - HV Over Voltage Protect	False	

OBCM - LV Aux Over Voltage Protect	False	
OBCM - LV Aux Under Voltage Protect	False	
OBCM - LLC Over Voltage Protect	False	
OBCM - LLC Under Voltage Protect	False	
OBCM - PFC Over Voltage Protect	False	
OBCM - PFC Under Voltage Protect	False	
OBCM - Battery 12V Under Voltage Protect	False	
OBCM - Battery 12V Over Voltage Protect	False	
OBCM - AC Under Voltage Protect	False	
OBCM - AC Over Voltage Protect	False	
OBCM - AC Over Current Protect	False	
OBCM - HV Voltage Over MaxCal Protect	False	
OBCM - HV Over Current Protect	False	
OBCM - Power Stage Over Voltage Protect	False	
OBCM - Internal Memory Fault	False	
OBCM - Over Temperature Protect	False	
OBCM - HCP Loss of Communication Protect	True	
OBCM - Loss BPCM Communication Protect	True	
OBCM - CAN Bus Off	True	
OBCM - Pilot Duty Fault	False	
OBCM - Prox Range To Low	False	
OBCM - Prox Range To High	False	
OBCM - HV Voltage Under MinCal Protect	False	
OBCM - SPI Communication Fault	False	
OBCM - Pilot Short To Battery	False	
OBCM - WakeUp Output Stuck Low	False	
OBCM - WakeUp Output Stuck High	False	
OBCM - ORC Loss of Communication	False	
OBCM - HV Battery Not Contact	False	
OBCM - Loss Communication Protect	False	
OBCM - Receive HV Battery Contact Open From BPCM	False	
OBCM - Secondary Aux Over Voltage Protect	False	
OBCM - Secondary Aux Under Voltage Protect	False	
OBCM - Primary Aux Over Voltage Protect	False	
OBCM - Primary Aux Under Voltage Protect	False	
OBCM - Stuck Shutdown	False	
OBCM - Cycle Shutdown	False	
OBCM - HV Under Voltage Protect	False	
OBCM - Vehicle Impact	False	
OBCM - ARC/CRC Fault	False	
OBCM - AC Contact Welded Fault	False	
Control Pilot Open fault	False	
Prox open fault	False	
OBCM - Internal S2 Switch Low Fault	False	

OBCM - Internal S2 Switch High Fault	False	
OBCM - Pilot Range Fault	False	
OBCM - Prox Range Fault	False	
force shutdown fault	False	
pilot signal wake up issue becase of EVSE	False	
HCP stuck low fault	False	
HCP stuck High fault	False	
Plant mode flag	False	
Retry fault flag	False	
Loss SBC communcation (SPI)	False	
pilot input short to ground fault	False	
pilto input short to battery fault in Driver mode detecting	False	
pilot short to ground fault in driver mode detecting	False	
Charging ready line open fault	False	
Pilot frequency range fault	False	
OBCM - Internal S2 Switch High Fault in Driver mode detecting	False	
Module A Primary - AC Under Voltage Protect	True	
Module A Primary - PFC Power Limit	False	
Module A Primary - PFC Enable States	False	
Module A Primary - LLC Enable States	False	
Module A Primary - PFC Under Voltage Protect	False	
Module A Primary - PFC Over Voltage Protect	False	
Module A Primary - Over Temperature Protect	False	
Module A Primary - Hot Warning	False	
Module A Primary - AC Present	True	
Module A Primary - PFC Over Temperature Protect	False	
Module A Primary - LLC Over Temperature Protect	False	
Module A Primary - PFC Hot Warning	False	
Module A Primary - LLC Hot Warning	False	
Module A Primary - AC Over Voltage Protect	True	
Module A Primary - Relay Enable States	True	
Module A Primary - Aux Over Voltage Protect	False	
Module A Primary - Aux Under Voltage Protect	False	
Module A Primary - Secondary Micro Enable Command	False	
Module A Primary - AC Vin Lost	False	
Module A Primary - Loss Communication Protect	False	
Module A Primary - Standby Mode	False	
Module A Primary - Operate Mode	False	
Module A Primary - Shutdown Mode	True	
Module A Secondary - Aux Enable States	True	
Module A Secondary - HV Enable States	False	
Module A Secondary - LLC Under Voltage Protect	False	
Module A Secondary - LLC Over Voltage Protect	False	
Module A Secondary - HV Over Voltage Protect	False	

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

Module B Primary - Aux Over Voltage Protect	False	
Module B Primary - Aux Under Voltage Protect	False	
Module B Primary - Secondary Micro Enable Command	False	
Module B Primary - AC Vin Lost	False	
Module B Primary - Loss Communication Protect	False	
Module B Primary - Standby Mode	False	
Module B Primary - Operate Mode	False	
Module B Primary - Shutdown Mode	True	
Module B Secondary - Aux Enable States	True	
Module B Secondary - HV Enable States	False	
Module B Secondary - LLC Under Voltage Protect	False	
Module B Secondary - LLC Over Voltage Protect	False	
Module B Secondary - HV Over Voltage Protect	False	
Module B Secondary - HV Over Current Protect	False	
Module B Secondary - Over Temperature Protect	False	
Module B Secondary - Hot Warning	False	
Module B Secondary - HV Over Temperature Protect	False	
Module B Secondary - Ambient Over Temperature Protect	False	
Module B Secondary - HV Hot Warning	False	
Module B Secondary - Ambient Hot Warning	False	
Module B Secondary - Aux Over Voltage Protect	False	
Module B Secondary - Aux Under Voltage Protect	False	
Module B Secondary - Loss Primary Communication Protect	False	
Module B Secondary - LV Micro Enable Command	False	
Module B Secondary - Loss LV Communication Protect	False	
Module B Secondary - Primary Turn On States	False	
Module B Secondary - Primary Shutdown States	False	
Module B Secondary - HV Under Voltage Protect	False	
Module B Secondary - Standby Mode	False	
Module B Secondary - Operate Mode	False	
Module B Secondary - Shutdown Mode	True	
Module B Secondary - LV Micro Disable Command	True	
Module B Secondary - PFC High Temperature Derating	False	
Module B Secondary - PFC Low Temperature Derating	False	
Module B Secondary - LLC High Temperature Derating	False	
Module B Secondary - LLC Low Temperature Derating	False	
Module B Secondary - HV High Temperature Derating	False	
Module B Secondary - HV Low Temperature Derating	False	
Module B Secondary - Ambient High Temperature Derating	False	
Module B Secondary - Ambient Low Temperature Derating	False	
Module B Secondary - AC Input Voltage Derating	True	
Module B Secondary - HV Output Voltage Derating	False	
SBC State_DF00	00	
SBC State_DF80	00	

SBC State_E100	00	
SBC State_E180	C2	
SBC State_E300	00	
SBC State_E500	00	
SBC State_E580	00	
OBCM Charge Current Available	16.50	AMP
BPCM HV Battery Contactor Open	False	
SBC Bus Off	True	
CANSIP Bus Off	False	
OBC Charge Time	1194	sec
OBC Charge Tml	25371	hrs
OBC Idle Time	6	sec
EPT LOC Diag Enable	Enable Limited LOC Diagnostic	
HCP Shutdown Command	No Shutdown	
HV Battey Contactor Open	False	
BPCM Request for HV Contactor	False	
HV Contactor Status	Open	
Ignition on Time for DTC	0	sec

OBCM | U1814-00 | Stored | OBCM Lost Communication with BPCM-

NAME	VALUE	UNITS
DTC	D8 14 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	
Original Odometer Value	7367	miles
Most Recent Odometer Value	7367	miles
Frequency Counter	4	
Ignition Cycle Counter	2	
DTC Extended Data Record Number - Record #2	2E	
OBCM Status AC Present	AC OK	
AC Line Low	Not Valid	
AC Line High	Not Valid	
AC Side Current	28.50	Amps
AC Side Volt	200.8	Volts
HCP (EVCU) AC Current Max Cal	-0.50	Amps
HCP (EVCU) Voltage Request	400	Volts

HCP (EVCU) Current Request	15.75	AMP
Battery Not Detected	False	
Battery Voltage Under Min	Not Valid	
Battery Voltage Over Max	Not Valid	
Battery Side Current	15.60	Amps
Battery Side Voltage	170.5	Volts
HV OC	False	
HV OV	False	
HCP (EVCU) HV Current Max Cal	-12.00	Amps
HCP (EVCU) HV Volt Max Cal	152	Volt
HCP (EVCU) HV Volt Min Cal	244	Volt
OBCM Temperature 1	151	°F
OBCM Temperature 2	149	°F
OBCM Temperature 3	135	°F
OBCM Temperature 4	135	°F
NTC1 OT	False	
NTC2 OT	False	
NTC3 OT	False	
NTC4 OT	False	
External OBCM Inlet Temperature (CAN)	-40	°F
J1772 ICA	30	AMP
J1772 S2 Close	Closed	
J1772 Stat	Connection Ready Vent Req	
J1772 S2 Status	Closed	
Control Pilot Amplitude	5.760	Volts
Control Pilot Duty Cycle	49.78	%
Control Pilot Frequency	985	Hz
EVSE Pilot Stat	CP DET	
Prox Stat	Prox Detected	
Prox Voltage	1.415	Volt
OBC Idle Tml	120	hrs
Watt-Hours of AC Power	1906	W-Hrs
Watt Hours of Charge the HV Bus	1830	W-Hrs
OBCM Mode	charge	
OBCM Charger Ready	On	
OBCM WU Status	On	
Charge Enable Status	Chrg Enable	
HCP (EVCU) Shutdown Command	EVCU Operational	
HCP (EVCU) Enable Charge Command	Charge enable	
HCP (EVCU) OBC Mode Request	charge	
Generic Fail Sts	At Least One DTC set on Sys Mem	
Chrg Fail Sts	No Faults detected	
OBCM Wake Up Reason	Pilot Voltage	
OBC Control Mth	Current	

OBCM Deraing Reason	AC Voltage Limit Derating	
Close Chrgr Cntctr	Open	
Chrgr Cntctr Stat	Closed	
Chrg Mode	Charge Mode	
OBCM Fault Reason	No Faults detected	
Module A Primary - PFC Temperature	135	°F
Module A Primary - LLC Temperature	133	°F
Module A Secondary - Buck Temperature	135	°F
Module A Secondary - Ambient Temperature	149	°F
Module A Primary - AC Side Volt	200.7	Volts
Module A Primary - AC Side Current	-10.80	Amps
Module A Secondary - Battery Side Voltage	170.5	Volts
Module A Secondary - Battery Side Current	-17.20	Amps
Module A Secondary - Buck Output Voltage	344.8	Volts
Module B Primary - PFC Temperature	142	°F
Module B Primary - LLC Temperature	140	°F
Module B Secondary - Buck Temperature	135	°F
Module B Secondary - Ambient Temperature	151	°F
Module B Primary - AC Side Volt	201.0	Volts
Module B Primary - AC Side Current	-10.70	Amps
Module B Secondary - Battery Side Voltage	170.6	Volts
Module B Secondary - Battery Side Current	-17.20	Amps
Module B Secondary - Buck Output Voltage	344.1	Volts
OBCM - HV Over Voltage Protect	False	
OBCM - LV Aux Over Voltage Protect	False	
OBCM - LV Aux Under Voltage Protect	False	
OBCM - LLC Over Voltage Protect	False	
OBCM - LLC Under Voltage Protect	False	
OBCM - PFC Over Voltage Protect	False	
OBCM - PFC Under Voltage Protect	False	
OBCM - Battery 12V Under Voltage Protect	False	
OBCM - Battery 12V Over Voltage Protect	False	
OBCM - AC Under Voltage Protect	False	
OBCM - AC Over Voltage Protect	False	
OBCM - AC Over Current Protect	False	
OBCM - HV Voltage Over MaxCal Protect	False	
OBCM - HV Over Current Protect	False	
OBCM - Power Stage Over Voltage Protect	False	
OBCM - Internal Memory Fault	False	
OBCM - Over Temperature Protect	False	
OBCM - HCP Loss of Communication Protect	True	
OBCM - Loss BPCM Communication Protect	True	
OBCM - CAN Bus Off	False	
OBCM - Pilot Duty Fault	False	

OBCM - Prox Range To Low	False	
OBCM - Prox Range To High	False	
OBCM - HV Voltage Under MinCal Protect	False	
OBCM - SPI Communication Fault	False	
OBCM - Pilot Short To Battery	False	
OBCM - WakeUp Output Stuck Low	False	
OBCM - WakeUp Output Stuck High	False	
OBCM - ORC Loss of Communication	False	
OBCM - HV Battery Not Contact	False	
OBCM - Loss Communication Protect	False	
OBCM - Receive HV Battery Contact Open From BPCM	False	
OBCM - Secondary Aux Over Voltage Protect	False	
OBCM - Secondary Aux Under Voltage Protect	False	
OBCM - Primary Aux Over Voltage Protect	False	
OBCM - Primary Aux Under Voltage Protect	False	
OBCM - Stuck Shutdown	False	
OBCM - Cycle Shutdown	False	
OBCM - HV Under Voltage Protect	False	
OBCM - Vehicle Impact	False	
OBCM - ARC/CRC Fault	False	
OBCM - AC Contact Welded Fault	False	
Control Pilot Open fault	False	
Prox open fault	False	
OBCM - Internal S2 Switch Low Fault	False	
OBCM - Internal S2 Switch High Fault	False	
OBCM - Pilot Range Fault	False	
OBCM - Prox Range Fault	False	
force shutdown fault	False	
pilot signal wake up issue becase of EVSE	False	
HCP stuck low fault	False	
HCP stuck High fault	False	
Plant mode flag	False	
Retry fault flag	False	
Loss SBC communcation (SPI)	False	
pilot input short to ground fault	False	
pilto input short to battery fault in Driver mode detecting	False	
pilot short to ground fault in driver mode detecting	False	
Charging ready line open fault	False	
Pilot frequency range fault	False	
OBCM - Internal S2 Switch High Fault in Driver mode detecting	False	
Module A Primary - AC Under Voltage Protect	True	
Module A Primary - PFC Power Limit	False	
Module A Primary - PFC Enable States	True	
Module A Primary - LLC Enable States	True	

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

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

Module B Secondary - Aux Over Voltage Protect	False	
Module B Secondary - Aux Under Voltage Protect	False	
Module B Secondary - Loss Primary Communication Protect	False	
Module B Secondary - LV Micro Enable Command	True	
Module B Secondary - Loss LV Communication Protect	False	
Module B Secondary - Primary Turn On States	True	
Module B Secondary - Primary Shutdown States	False	
Module B Secondary - HV Under Voltage Protect	False	
Module B Secondary - Standby Mode	False	
Module B Secondary - Operate Mode	True	
Module B Secondary - Shutdown Mode	False	
Module B Secondary - LV Micro Disable Command	False	
Module B Secondary - PFC High Temperature Derating	False	
Module B Secondary - PFC Low Temperature Derating	False	
Module B Secondary - LLC High Temperature Derating	False	
Module B Secondary - LLC Low Temperature Derating	False	
Module B Secondary - HV High Temperature Derating	False	
Module B Secondary - HV Low Temperature Derating	False	
Module B Secondary - Ambient High Temperature Derating	False	
Module B Secondary - Ambient Low Temperature Derating	False	
Module B Secondary - AC Input Voltage Derating	True	
Module B Secondary - HV Output Voltage Derating	False	
SBC State_DF00	00	
SBC State_DF80	00	
SBC State_E100	00	
SBC State_E180	C2	
SBC State_E300	00	
SBC State_E500	00	
SBC State_E580	00	
OBCM Charge Current Available	15.75	AMP
BPCM HV Battery Contactor Open	False	
SBC Bus Off	True	
CANSIP Bus Off	False	
OBC Charge Time	1194	sec
OBC Charge Tml	25371	hrs
OBC Idle Time	6	sec
EPT LOC Diag Enable	Enable Limited LOC Diagnostic	
HCP Shutdown Command	No Shutdown	
HV Battey Contactor Open	False	
BPCM Request for HV Contactor	False	
HV Contactor Status	Open	
Ignition on Time for DTC	0	sec

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

NAME	VALUE	UNITS
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	
Original Odometer Value	7367	miles
Most Recent Odometer Value	7367	miles
Frequency Counter	4	
Ignition Cycle Counter	2	
DTC Extended Data Record Number - Record #2	2C	
OBCM Status AC Present	AC OK	
AC Line Low	Not Valid	
AC Line High	Not Valid	
AC Side Current	28.50	Amps
AC Side Volt	200.8	Volts
HCP (EVCU) AC Current Max Cal	-0.50	Amps
HCP (EVCU) Voltage Request	400	Volts
HCP (EVCU) Current Request	15.75	AMP
Battery Not Detected	False	
Battery Voltage Under Min	Not Valid	
Battery Voltage Over Max	Not Valid	
Battery Side Current	15.60	Amps
Battery Side Voltage	170.5	Volts
HV OC	False	
HV OV	False	
HCP (EVCU) HV Current Max Cal	-12.00	Amps
HCP (EVCU) HV Volt Max Cal	152	Volt
HCP (EVCU) HV Volt Min Cal	244	Volt
OBCM Temperature 1	151	°F
OBCM Temperature 2	149	°F
OBCM Temperature 3	135	°F
OBCM Temperature 4	135	°F
NTC1 OT	False	
NTC2 OT	False	
NTC3 OT	False	
NTC4 OT	False	
External OBCM Inlet Temperature (CAN)	-40	°F

J1772 ICA	30	AMP
J1772 S2 Close	Closed	
J1772 Stat	Connection Ready Vent Req	
J1772 S2 Status	Closed	
Control Pilot Amplitude	5.784	Volts
Control Pilot Duty Cycle	49.78	%
Control Pilot Frequency	985	Hz
EVSE Pilot Stat	CP DET	
Prox Stat	Prox Detected	
Prox Voltage	1.415	Volt
OBC Idle Tml	120	hrs
Watt-Hours of AC Power	1906	W-Hrs
Watt Hours of Charge the HV Bus	1830	W-Hrs
OBCM Mode	charge	
OBCM Charger Ready	On	
OBCM WU Status	On	
Charge Enable Status	Chrg Enable	
HCP (EVCU) Shutdown Command	EVCU Operational	
HCP (EVCU) Enable Charge Command	Charge enable	
HCP (EVCU) OBC Mode Request	charge	
Generic Fail Sts	No Functional Fail Present	
Chrg Fail Sts	No Faults detected	
OBCM Wake Up Reason	Pilot Voltage	
OBC Control Mth	Current	
OBCM Deraing Reason	AC Voltage Limit Derating	
Close Chrgr Cntctr	Open	
Chrgr Cntctr Stat	Closed	
Chrg Mode	Charge Mode	
OBCM Fault Reason	No Faults detected	
Module A Primary - PFC Temperature	135	°F
Module A Primary - LLC Temperature	133	°F
Module A Secondary - Buck Temperature	135	°F
Module A Secondary - Ambient Temperature	149	°F
Module A Primary - AC Side Volt	200.7	Volts
Module A Primary - AC Side Current	-10.80	Amps
Module A Secondary - Battery Side Voltage	170.5	Volts
Module A Secondary - Battery Side Current	-17.20	Amps
Module A Secondary - Buck Output Voltage	344.8	Volts
Module B Primary - PFC Temperature	142	°F
Module B Primary - LLC Temperature	140	°F
Module B Secondary - Buck Temperature	135	°F
Module B Secondary - Ambient Temperature	151	°F
Module B Primary - AC Side Volt	201.0	Volts
Module B Primary - AC Side Current	-10.70	Amps

Module B Secondary - Battery Side Voltage	170.6	Volts
Module B Secondary - Battery Side Current	-17.20	Amps
Module B Secondary - Buck Output Voltage	344.1	Volts
OBCM - HV Over Voltage Protect	False	
OBCM - LV Aux Over Voltage Protect	False	
OBCM - LV Aux Under Voltage Protect	False	
OBCM - LLC Over Voltage Protect	False	
OBCM - LLC Under Voltage Protect	False	
OBCM - PFC Over Voltage Protect	False	
OBCM - PFC Under Voltage Protect	False	
OBCM - Battery 12V Under Voltage Protect	False	
OBCM - Battery 12V Over Voltage Protect	False	
OBCM - AC Under Voltage Protect	False	
OBCM - AC Over Voltage Protect	False	
OBCM - AC Over Current Protect	False	
OBCM - HV Voltage Over MaxCal Protect	False	
OBCM - HV Over Current Protect	False	
OBCM - Power Stage Over Voltage Protect	False	
OBCM - Internal Memory Fault	False	
OBCM - Over Temperature Protect	False	
OBCM - HCP Loss of Communication Protect	True	
OBCM - Loss BPCM Communication Protect	False	
OBCM - CAN Bus Off	False	
OBCM - Pilot Duty Fault	False	
OBCM - Prox Range To Low	False	
OBCM - Prox Range To High	False	
OBCM - HV Voltage Under MinCal Protect	False	
OBCM - SPI Communication Fault	False	
OBCM - Pilot Short To Battery	False	
OBCM - WakeUp Output Stuck Low	False	
OBCM - WakeUp Output Stuck High	False	
OBCM - ORC Loss of Communication	False	
OBCM - HV Battery Not Contact	False	
OBCM - Loss Communication Protect	False	
OBCM - Receive HV Battery Contact Open From BPCM	False	
OBCM - Secondary Aux Over Voltage Protect	False	
OBCM - Secondary Aux Under Voltage Protect	False	
OBCM - Primary Aux Over Voltage Protect	False	
OBCM - Primary Aux Under Voltage Protect	False	
OBCM - Stuck Shutdown	False	
OBCM - Cycle Shutdown	False	
OBCM - HV Under Voltage Protect	False	
OBCM - Vehicle Impact	False	
OBCM - ARC/CRC Fault	False	

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

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

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

Module B Secondary - AC Input Voltage Derating	True	
Module B Secondary - HV Output Voltage Derating	False	
SBC State_DF00	00	
SBC State_DF80	00	
SBC State_E100	00	
SBC State_E180	C2	
SBC State_E300	00	
SBC State_E500	00	
SBC State_E580	00	
OBCM Charge Current Available	15.75	AMP
BPCM HV Battery Contactor Open	False	
SBC Bus Off	True	
CANSIP Bus Off	False	
OBC Charge Time	1194	sec
OBC Charge Tml	25371	hrs
OBC Idle Time	6	sec
EPT LOC Diag Enable	Enable Limited LOC Diagnostic	
HCP Shutdown Command	No Shutdown	
HV Battey Contactor Open	False	
BPCM Request for HV Contactor	False	
HV Contactor Status	Open	
Ignition on Time for DTC	0	sec

VRM | B15AE-00 | Active | Lost Low Voltage Differential Signal (LVDS) Connection with Media Port 2-

NAME	VALUE	UNITS
DTC	95 AE 00	
Test Failed	True	
Test Failed This Operation Cycle	True	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number - All	01	
Occurrence flag	Error	
Original Odometer Value	7367	miles
Most Recent Odometer Value	7367	miles
Frequency Counter	1	
Ignition Cycle Counter	0	

SNAPSHOT DATA SUMMARY

No Snapshot Data available for U0002-00

No Snapshot Data available for P0AFA-00

No Snapshot Data available for U0594-00

No Snapshot Data available for U0293-00

No Snapshot Data available for U0074-00

No Snapshot Data available for U0073-00

No Snapshot Data available for U0111-00

No Snapshot Data available for U0293-00

No Snapshot Data available for U0298-00

No Snapshot Data available for U0624-00

No Snapshot Data available for U1814-00

No Snapshot Data available for U1817-00

No Snapshot Data available for U0074-00

No Snapshot Data available for U1814-00

No Snapshot Data available for U0293-00

No Snapshot Data available for B15AE-00