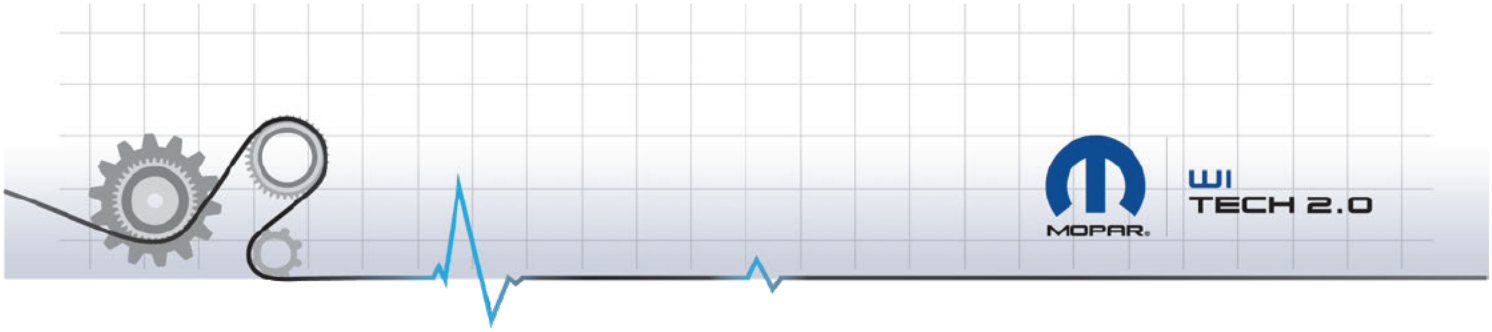
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VEHICLE SCAN REPORT

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

Odometer 771.1 miles
Publication Date Dec 4, 2020, 10:06:51 AM

ECU SUMMARY INFO

ECU	NAME	BUS TYPE	FLASH PART #	CURRENT [redacted]	ORIGINA [redacted]	PART #
PCM	Powertrain Control Module	CAN-C	68444228AE	2C4RC1N	2C4RC1N	68444228AE
ICS	Integrated Center Stack	CAN-I	6UX621X8AA	2C4RC1N	2C4RC1N	6UX621X8AA
RFH	Radio Frequency Hub	CAN-C	68453559AB	2C4RC1N	2C4RC1N	68453559AB
ESM	Electronic Shifter	CAN-C	68240089AM	2C4RC1N	2C4RC1N	68240089AM
ORC	Occupant Restraint	CAN-C	68453076AD	2C4RC1N	2C4RC1N	68453076AD
EPS	Electric Power Steering	CAN-C	68460392AA	2C4RC1N	2C4RC1N	68460392AA
HVAC	Heat, Ventilation and A/C	CAN-I	68447893AC	2C4RC1N	2C4RC1N	68447893AC
DDM	Driver Door Module	CAN-I	68424449AC	2C4RC1N	2C4RC1N	68424449AC
PDM	Passenger Door Module	CAN-I	68424448AC	2C4RC1N	2C4RC1N	68424448AC
DMRL	Door Module Rear Left	CAN-I	68225096AG	2C4RC1N	2C4RC1N	68225096AG
DMRR	Door Module Rear Right	CAN-I	68225096AG	2C4RC1N	2C4RC1N	68225096AG
PSDML	Power Sliding Doors (Left)	CAN-I	68369596AD	2C4RC1N	2C4RC1N	68369596AD
PSDMR	Power Sliding Doors (Right)	CAN-I	68369596AD	2C4RC1N	2C4RC1N	68369596AD
MSM	Memory Seat Module	CAN-I	68321862AC	2C4RC1N	2C4RC1N	68321862AC
PLGM	Power Liftgate	CAN-I	68316094AF	2C4RC1N	2C4RC1N	68316094AF
CSWM	Comfort Seat Wheel Module	CAN-I	68434912AC	2C4RC1N	2C4RC1N	68434912AC
AMP	Amplifier	CAN-I	68448067AA	2C4RC1N	2C4RC1N	68448067AA
IPC	Instrument Panel Cluster	CAN-C	68434956AC	2C4RC1N	2C4RC1N	68434956AC
PTS	Parktronics	CAN-C	68193775AJ	2C4RC1N	2C4RC1N	68193775AJ
SCCM	Steering Column Control Module	CAN-C	68360889AD	2C4RC1N	2C4RC1N	68360889AD
BCM	Body Controller	CAN-C	68424601AE	2C4RC1N	2C4RC1N	68424601AE

ACC	Adaptive Cruise Control	CAN-C	68417813AF	2C4RC1N7	2C4RC1N7	68417813AF
RADIO	Radio	CAN-I	68461768AD	2C4RC1	2C4RC1N7	68461768AD
OCM	Occupant Classification	CAN-C	68403127AA	2C4RC1N7	2C4RC1N7	68403127AA
HVACR	Heat, Ventilation and A/C Rear	CAN-I	68373079AB	2C4RC1N7	2C4RC1N7	68373079AB
LBSS	Left Blind Spot Sensor	CAN-I	04672786AB	2C4RC1N7	2C4RC1N7	04672786AB
RBSS	Right Blind Spot Sensor	CAN-I	04672786AB	2C4RC1N7	2C4RC1N7	04672786AB
FFCM	Forward Facing Camera Module	CAN-C	68493395AA	2C4RC1N7	2C4RC1N7	68493395AA
EDM	External Disc Module	CAN-I	68378304AB	2C4RC1N7	2C4RC1N7	68378304AB
APM	Accessory Power Module	CAN-C	05185046AB	2C4RC1N7	2C4RC1N7	05185046AB
BPCM	Battery Pack Control Module	CAN-C	05193166AD	2C4RC1N7	2C4RC1N7	05193166AD
HCP	Hybrid Control Processor	CAN-C	05190265AF	2C4RC1N7	2C4RC1N7	05190265AF
OBCM	On Board Charging Module	CAN-C	05185047AE	2C4RC1N7	2C4RC1N7	05185047AE
MSMP	Memory Seat Module - Passenger	CAN-I	68321862AC	2C4RC1N7	2C4RC1N7	68321862AC
DSM	Display Screen Module	CAN-I	68316174AC	2C4RC1N7	2C4RC1N7	68316174AC
VRM	Video Routing Module	CAN-I	68376134AG	2C4RC1N7	2C4RC1N7	68376134AG
RCCC	Rear Cabin Comfort Controls	CAN-I	6WL30PD2AA	2C4RC1N7	2C4RC1N7	6WL30PD2AA
CVPM	Central vision processing module	CAN-I	68375113AB	2C4RC1N7	2C4RC1N7	68375113AB
EAC	Electric A/C Compressor	CAN-C	68237995AG	2C4RC1N7	2C4RC1N7	68237995AG
AHCP	Auxiliary Hybrid Control Processor	CAN-C	05190266AF	2C4RC1N7	2C4RC1N7	05190266AF
EBBM	Electronic Brake Booster Module	CAN-C	68461813AB	2C4RC1N7	2C4RC1N7	68461813AB
ABSO	Anti Lock Brakes OBD	CAN-C	68471122AD	2C4RC1N7	2C4RC1N7	68471122AD
SGW	Security Gateway Module	CAN-C	68447193AB		2C4RC1N7	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	13 18 03	4005	F5BC8401
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
BPCM	P1AE2-00	Battery Energy Control Module High Voltage System Interlock Circuit-	Stored
BPCM	P0A95-00	High Voltage Fuse "A"-	Active
BPCM	P0AA4-00	Hybrid/EV Battery Negative Contactor "A" Stuck Closed-	Active

HCP	P0642-00	Sensor Reference Voltage 1 Circuit Low-	Active
HCP	P06B1-00	Sensor Power Supply 1 Circuit Low-	Active
HCP	P0A78-00	Drive Motor A Inverter Performance-	Active
HCP	P16F9-00	HCP Internal - Shutdown Performance-	Active
HCP	P1AEC-00	MCPA HV Battery Voltage Sensor Circuit Performance-	Active
HCP	P1AEE-00	MCPA HV Battery System Voltage High-	Active
HCP	U0623-00	Lost Communication with Coolant Pump "A"-	Active

ENVIRONMENTAL DATA SUMMARY

BPCM | P1AE2-00 | Stored | Battery Energy Control Module High Voltage System Interlock Circuit-

NAME	VALUE	UNITS
Key in Ignition	Key_Def	
EPT -WakeUp	Not Sourced	
HCP Contactor Command	Open	
Qualified Contactor Command - QCC	Open	
Verified Contactor Command - VCC	Open	
ChargingLevel	Plug in, but no charge	
Contactor Status	Open	
Plug in Status	Not plugged in	
Balance Mode	False	
Battery in Periodic wake up (Just battery) at time of Fault	False	
Battery in Periodic wake up (Wake up vehicle) at time of Fault	False	
Key Position	Ign_Lock	
HVIL Status - Battery pack	PASS	
HVIL Status -Vehicle	Not Sourced	
Pump - Wire Open\Short to Gnd	PASS	
Pump - Overtemperature	PASS	
Pump - Switch Power Shorted	PASS	
Pump - Overcurrent	PASS	
Pump - Dry Run Detection	PASS	
Fault trigger level 1	False	
Fault trigger level 3	False	
Fault trigger level 2	False	
Fault Path	01	
Key - DriveRdy (CAN)	True	
Battery Cell Lowest Cell number	71	
Battery Cell Highest Cell number	38	
Battery Temperature Highest Sensor number	09	
Battery Temperature Lowest Sensor number	02	
HV Cooling Pump Relay Drive	Not Sourced	
Pump - Battery Coolant Level Low	False	
Battery Temperature Number of Failing Sensors	00	
Isolation Vehicle Diagnostic Status	Run and Passed	
Isolation Battery Diagnostic Status	Run and Passed	

BPCM Sec Asic Reset Req	Not Active	
BPCM Sec Asic Fault Input	Not Active	
BPCM Sec CC Path Test Active	Not Active	
BPCM L2 General Monitoring Flt Rsn	L2L1_CELL_MAX_V_CMP_FLT	
BPCM L2 Contactor Dslb Req	Undetermined	
BPCM L2 CC Path Test Req	Undetermined	
BPCM L2 ASIC Diagnostic Flt Rsn	ADCTest	
BPCM Sec HW Timer Status	Not Active	
BPCM Sec Contactor State	Open	
BPCM Main HW Timer Status	Not Active	
BPCM Sec Asic Fault State	NOTASSERTED	
Real Time Clock Validity	True	
Test Failed	False	
DTC	1A E2 00	
Test Failed This Operation Cycle	False	
Pending DTC	True	
Confirmed DTC	True	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Test Not Completed Since Last Clear	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number - All	01	
Occurrence flag	Error	
DTC Extended Data Record Number - 2	6C	
Ignition Cycle Counter	1	
Frequency Counter	1	
FoM - for this DTC (lifetime fails)	18	events
FoM - for this DTC (lifetime fails counts on pass)	0.0000	seconds
Battery Total Time Awake	9263151	seconds
Battery Lifetime Miles	613FA9	miles
FoM - for this DTC (lifetime longest fail on pass)	0.000	seconds
Vehicle mileage at time of fault (ODO signal in $3D2)	771.12	miles
Vehicle Speed	0.0	MPH
Battery Lifetime AmpHrs of Charge	958.4	AHr
Battery Lifetime AmpHrs of DisCharge	931.1	AHr
System (12) Volts at time of fault	11.283	Volts
Power Up SOC at time of Fault	83.9	%
HVIL PWM Duty Cycle - Vehicle	0.0	%
SOC at time of Fault	83.9	%
HVIL PWM Frequency - Vehicle	0.0	Hz
HVIL PWM peak voltage Sourced - Vehicle	0.394	Volts
HVIL Source Voltage- Battery	7.230	Volts
HVIL Returned current - Battery	0.10	mA
HV Battery Current Sensor 2 Hall Low	0.00	Amps

HVIL PWM peak voltage Sensed - Vehicle	0.376	Volts
HV Battery Current Sensor 1 Hall High	-0.20	Amps
HV Cooling Speed pump 1 Speed	0	rpm
HV Battery Current HVBatCrnt	0.00	Amps
Charge indicator Temp	55	°F
HV Cooling Speed Pump 1 Target	0	rpm
BPCM temperature max	45	°F
Isolation Circuitry Vb	2.501	Volts
Isolation Circuitry Va	2.498	Volts
Isolation Circuitry Vd	0.000	Volts
BPCM temperature min	43	°F
WC and Circuitry Vcc Voltage	5.009	Volts
WC and Circuitry 2.5V Reference Voltage	2.498	Volts
WC and Circuitry Weld Contactor Sensor G (Pack Negative) Voltage	0.2	Volts
WC and CircuitryISO 8V Reference Voltage	7.971	Volts
HV Battery Charge Power 2sec	47439	watts
Cycles left to self heal	40	No Unit
HV Battery Charge Power 10sec	40239	watts
HV Battery Discharge Power 2sec	99141	watts
HV Battery Power	007530	watts
Battery Lifetime Number Of Closes	431	
HV Battery Discharge Power 10sec	96813	watts
Battery Full AmpHr Capacity	49	AmpHrs
Cell Impedance Max Discharge	0	mOhms
Cell Impedance Mim Discharge	0	mOhms
Battery Cell Voltage Minimum	3993	mV
Battery Cell Voltage Average	4000	mV
Battery Cell Voltage Maximum	4009	mV
HV Battery Voltage (cell sum)	384.00	Volts
HV Sensor C OBCM (HVOBC Fuse) Voltage	4.40	Volts
HV Sensor D Heater (HVHTR Fuse) Voltage	4.40	Volts
HV Sensor A Pack Voltage	4.40	Volts
HV Battery Voltage (Module Sum)	383.80	Volts
HV Sensor B Bus\Link (Pre-Fuse) Voltage	4.40	Volts
Battery Temperature Minimum Module	43	°F
Battery Temperature Maximum Module	45	°F
Battery Temperature Average Module	43	°F
HV Sensor G Weld Contactor(Pack Negative) Voltage	0.2	Volts
HV Cooling Battery coolant inlet temp	46	°F
Isolation Vehicle Impedance	8.9000	Mega Ohms
HV Cooling OBCM temp inlet Temp	50	°F
HV Cooling Battery coolant outlet temp	45	°F
Isolation Battery Impedance	0.8480	Mega Ohms
HV Bat SOH-R	94.9	%

BPCM Sec MM Hw Reset Error Counter	0	cnts
BPCM Sec QA Error Counter	0	cnts
HV Bat SOH-C	94.5	%
Engine Speed	0	rpm
BPCM L2 SM Hw Reset Error Counter	0	No Unit
Real time clock	429496.7295	seconds
Real time clock-OS Task Delay Timer	3	
Accelerator position	7.5	%
Most Recent Odometer Value	766	miles
Original Odometer Value	766	miles

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

NAME	VALUE	UNITS
Key in Ignition	Key_Def	
HCP Contactor Command	Open	
Key Position	Ign_ Run	
EPT -WakeUp	Sourced	
Verified Contactor Command - VCC	Open	
Qualified Contactor Command - QCC	Open	
Contactor Status	Open	
Plug in Status	Not plugged in	
ChargingLevel	Plug in, but no charge	
Balance Mode	False	
Battery in Periodic wake up (Wake up vehicle) at time of Fault	False	
Battery in Periodic wake up (Just battery) at time of Fault	False	
HVIL Status -Vehicle	Not Sourced	
HVIL Status - Battery pack	PASS	
Pump - Dry Run Detection	PASS	
Pump - Overcurrent	PASS	
Pump - Wire Open\Short to Gnd	PASS	
Pump - Overtemperature	PASS	
Pump - Switch Power Shorted	PASS	
Fault trigger level 1	False	
Fault trigger level 2	False	
Fault Path	01	
Fault trigger level 3	False	
Key - DriveRdy (CAN)	True	
Battery Cell Highest Cell number	38	
Battery Cell Lowest Cell number	71	
Battery Temperature Highest Sensor number	09	
Battery Temperature Lowest Sensor number	02	
Battery Temperature Number of Failing Sensors	00	
HV Cooling Pump Relay Drive	Not Sourced	
Isolation Vehicle Diagnostic Status	Run and Passed	

Pump - Battery Coolant Level Low	False	
Isolation Battery Diagnostic Status	Run and Passed	
BPCM Sec Asic Reset Req	Not Active	
BPCM Sec Asic Fault Input	Not Active	
BPCM L2 General Monitoring Flt Rsn	L2L1_CELL_MAX_V_CMP_FLT	
BPCM Sec CC Path Test Active	Not Active	
BPCM L2 CC Path Test Req	Undetermined	
BPCM L2 ASIC Diagnostic Flt Rsn	ADCTest	
BPCM L2 Contactor Dslb Req	Undetermined	
BPCM Sec Contactor State	Open	
BPCM Sec HW Timer Status	Not Active	
BPCM Main HW Timer Status	Not Active	
BPCM Sec Asic Fault State	NOTASSERTED	
Real Time Clock Validity	True	
DTC	0A 95 00	
Test Failed	True	
Pending DTC	True	
Confirmed DTC	True	
Test Failed This Operation Cycle	True	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Test Not Completed Since Last Clear	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number - All	01	
Occurrence flag	Error	
DTC Extended Data Record Number - 2	08	
Frequency Counter	1	
Ignition Cycle Counter	0	
FoM - for this DTC (lifetime fails counts on pass)	0.8800	seconds
FoM - for this DTC (lifetime fails)	43	events
Battery Total Time Awake	9263137	seconds
FoM - for this DTC (lifetime longest fail on pass)	0.880	seconds
Vehicle mileage at time of fault (ODO signal in $3D2)	771.12	miles
Vehicle Speed	0.0	MPH
System (12) Volts at time of fault	11.126	Volts
Battery Lifetime AmpHrs of Charge	958.4	AHr
SOC at time of Fault	83.9	%
Battery Lifetime Miles	613FA9	miles
Power Up SOC at time of Fault	83.9	%
Battery Lifetime AmpHrs of DisCharge	931.1	AHr
HVIL PWM Frequency - Vehicle	0.0	Hz
HVIL PWM peak voltage Sourced - Vehicle	0.394	Volts
HVIL PWM Duty Cycle - Vehicle	0.0	%
HVIL PWM peak voltage Sensed - Vehicle	0.379	Volts

HVIL Returned current - Battery	30.10	mA
HVIL Source Voltage- Battery	1.370	Volts
HV Battery Current Sensor 2 Hall Low	0.00	Amps
HV Battery Current HVBatCrnt	0.00	Amps
HV Battery Current Sensor 1 Hall High	-0.85	Amps
Charge indicator Temp	55	°F
HV Cooling Speed Pump 1 Target	0	rpm
HV Cooling Speed pump 1 Speed	0	rpm
BPCM temperature min	43	°F
BPCM temperature max	45	°F
Isolation Circuitry Vb	2.501	Volts
Isolation Circuitry Va	2.498	Volts
WC and Circuitry Vcc Voltage	5.012	Volts
Isolation Circuitry Vd	0.000	Volts
WC and Circuitry 2.5V Reference Voltage	2.498	Volts
WC and CircuitryISO 8V Reference Voltage	7.971	Volts
Cycles left to self heal	40	No Unit
WC and Circuitry Weld Contactor Sensor G (Pack Negative) Voltage	0.2	Volts
HV Battery Charge Power 2sec	47415	watts
HV Battery Discharge Power 10sec	96813	watts
HV Battery Charge Power 10sec	40227	watts
HV Battery Discharge Power 2sec	99141	watts
HV Battery Power	007530	watts
Cell Impedance Max Discharge	0	mOhms
Battery Full AmpHr Capacity	49	AmpHrs
Cell Impedance Mim Discharge	0	mOhms
Battery Lifetime Number Of Closes	431	
Battery Cell Voltage Minimum	3993	mV
Battery Cell Voltage Maximum	4009	mV
Battery Cell Voltage Average	4000	mV
HV Sensor B Bus\Link (Pre-Fuse) Voltage	4.60	Volts
HV Sensor A Pack Voltage	4.60	Volts
HV Battery Voltage (Module Sum)	383.80	Volts
HV Battery Voltage (cell sum)	384.00	Volts
HV Sensor C OBCM (HVOBC Fuse) Voltage	4.60	Volts
HV Sensor G Weld Contactor(Pack Negative) Voltage	0.2	Volts
HV Sensor D Heater (HVHTR Fuse) Voltage	4.60	Volts
Battery Temperature Maximum Module	45	°F
Battery Temperature Minimum Module	43	°F
Battery Temperature Average Module	43	°F
HV Cooling OBCM temp inlet Temp	50	°F
HV Cooling Battery coolant outlet temp	45	°F
HV Cooling Battery coolant inlet temp	46	°F
Isolation Vehicle Impedance	8.9000	Mega Ohms

HV Bat SOH-R	94.9	%
HV Bat SOH-C	94.5	%
Isolation Battery Impedance	0.8480	Mega Ohms
BPCM Sec MM Hw Reset Error Counter	0	cnts
BPCM Sec QA Error Counter	0	cnts
BPCM L2 SM Hw Reset Error Counter	0	No Unit
Accelerator position	7.8	%
Engine Speed	0	rpm
Real time clock-OS Task Delay Timer	0	
Real time clock	429496.7295	seconds
Original Odometer Value	766	miles
Most Recent Odometer Value	766	miles

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

NAME	VALUE	UNITS
Key in Ignition	Key_Def	
HCP Contactor Command	Open	
Qualified Contactor Command - QCC	Open	
Verified Contactor Command - VCC	Open	
Key Position	Ign_ Run	
Contactor Status	Open	
ChargingLevel	Plug in, but no charge	
Plug in Status	Not plugged in	
Battery in Periodic wake up (Just battery) at time of Fault	False	
Balance Mode	False	
Battery in Periodic wake up (Wake up vehicle) at time of Fault	False	
EPT -WakeUp	Sourced	
HVIL Status - Battery pack	PASS	
HVIL Status -Vehicle	Not Sourced	
Pump - Wire Open\Short to Gnd	PASS	
Pump - Dry Run Detection	PASS	
Pump - Overcurrent	PASS	
Pump - Switch Power Shorted	PASS	
Pump - Overtemperature	PASS	
Fault trigger level 1	False	
Fault trigger level 3	False	
Fault Path	01	
Fault trigger level 2	False	
Key - DriveRdy (CAN)	True	
Battery Cell Highest Cell number	38	
Battery Cell Lowest Cell number	71	
Battery Temperature Highest Sensor number	09	
Battery Temperature Number of Failing Sensors	00	
Battery Temperature Lowest Sensor number	02	

HV Cooling Pump Relay Drive	Not Sourced	
Pump - Battery Coolant Level Low	False	
Isolation Vehicle Diagnostic Status	Run and Passed	
Isolation Battery Diagnostic Status	Run and Passed	
BPCM Sec Asic Reset Req	Not Active	
BPCM Sec Asic Fault Input	Not Active	
BPCM Sec CC Path Test Active	Not Active	
BPCM L2 General Monitoring Flt Rsn	L2L1_CELL_MAX_V_CMP_FLT	
BPCM L2 Contactor Dslb Req	Undetermined	
BPCM L2 CC Path Test Req	Undetermined	
BPCM L2 ASIC Diagnostic Flt Rsn	ADCTest	
BPCM Sec HW Timer Status	Not Active	
BPCM Sec Contactor State	Open	
BPCM Main HW Timer Status	Not Active	
BPCM Sec Asic Fault State	NOTASSERTED	
Real Time Clock Validity	True	
Test Failed	True	
DTC	0A A4 00	
Pending DTC	True	
Confirmed DTC	True	
Test Failed This Operation Cycle	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	True	
Test Not Completed Since Last Clear	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number - All	01	
Occurrence flag	Error	
DTC Extended Data Record Number - 2	0E	
Ignition Cycle Counter	0	
FoM - for this DTC (lifetime fails)	2	events
Frequency Counter	1	
FoM - for this DTC (lifetime longest fail on pass)	0.000	seconds
Battery Total Time Awake	9263132	seconds
System (12) Volts at time of fault	11.104	Volts
Vehicle Speed	0.0	MPH
FoM - for this DTC (lifetime fails counts on pass)	0.0000	seconds
Vehicle mileage at time of fault (ODO signal in $3D2)	771.12	miles
Battery Lifetime AmpHrs of DisCharge	931.1	AHr
Battery Lifetime AmpHrs of Charge	958.4	AHr
Power Up SOC at time of Fault	83.9	%
HVIL PWM Duty Cycle - Vehicle	0.0	%
SOC at time of Fault	83.9	%
Battery Lifetime Miles	613FA9	miles
HVIL PWM peak voltage Sourced - Vehicle	0.394	Volts

HVIL PWM peak voltage Sensed - Vehicle	0.376	Volts
HVIL PWM Frequency - Vehicle	0.0	Hz
HVIL Returned current - Battery	30.10	mA
HVIL Source Voltage- Battery	1.370	Volts
HV Battery Current Sensor 2 Hall Low	0.00	Amps
HV Battery Current Sensor 1 Hall High	-0.60	Amps
HV Battery Current HVBatCrnt	0.00	Amps
HV Cooling Speed pump 1 Speed	0	rpm
Charge indicator Temp	55	°F
Isolation Circuitry Va	2.498	Volts
BPCM temperature min	43	°F
BPCM temperature max	45	°F
HV Cooling Speed Pump 1 Target	0	rpm
Isolation Circuitry Vb	2.501	Volts
WC and CircuitryISO 8V Reference Voltage	7.971	Volts
Isolation Circuitry Vd	0.000	Volts
WC and Circuitry Weld Contactor Sensor G (Pack Negative) Voltage	0.2	Volts
WC and Circuitry 2.5V Reference Voltage	2.498	Volts
WC and Circuitry Vcc Voltage	5.012	Volts
Cycles left to self heal	40	No Unit
HV Battery Discharge Power 2sec	99141	watts
HV Battery Discharge Power 10sec	96813	watts
HV Battery Charge Power 2sec	47418	watts
HV Battery Charge Power 10sec	40227	watts
HV Battery Power	007530	watts
Battery Lifetime Number Of Closes	431	
Cell Impedance Mim Discharge	0	mOhms
Battery Full AmpHr Capacity	49	AmpHrs
Cell Impedance Max Discharge	0	mOhms
Battery Cell Voltage Maximum	4009	mV
HV Battery Voltage (cell sum)	384.00	Volts
Battery Cell Voltage Average	4000	mV
Battery Cell Voltage Minimum	3993	mV
HV Sensor A Pack Voltage	4.50	Volts
HV Battery Voltage (Module Sum)	383.80	Volts
HV Sensor G Weld Contactor(Pack Negative) Voltage	0.2	Volts
HV Sensor B Bus\Link (Pre-Fuse) Voltage	4.50	Volts
Battery Temperature Maximum Module	45	°F
HV Sensor C OBCM (HVOBC Fuse) Voltage	4.50	Volts
HV Sensor D Heater (HVHTR Fuse) Voltage	4.50	Volts
Battery Temperature Minimum Module	43	°F
HV Cooling Battery coolant inlet temp	46	°F
Battery Temperature Average Module	43	°F
HV Cooling Battery coolant outlet temp	45	°F

Isolation Vehicle Impedance	8.9000	Mega Ohms
HV Cooling OBCM temp inlet Temp	50	°F
HV Bat SOH-C	94.5	%
Isolation Battery Impedance	0.8480	Mega Ohms
BPCM Sec QA Error Counter	2	cnts
HV Bat SOH-R	94.9	%
Engine Speed	0	rpm
Accelerator position	7.5	%
BPCM Sec MM Hw Reset Error Counter	0	cnts
Real time clock	429496.7295	seconds
BPCM L2 SM Hw Reset Error Counter	0	No Unit
Real time clock-OS Task Delay Timer	0	
Original Odometer Value	766	miles
Most Recent Odometer Value	766	miles

HCP | P0642-00 | Active | Sensor Reference Voltage 1 Circuit Low-

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

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

OBCM Operating Mode	UTC	
J1772 Prox Detected State	Prox Out	
Commanded Inverter A State	Inverter Disabled	
Inverter Status Feedback	Inverter Faulted	
Motor A Phase U Over Voltage Fault VH - High-Side	False	
Motor A Phase U Under Voltage Fault VH - High-Side	False	
Motor A Phase U Over Voltage Fault VL - High-Side	False	
Motor A Phase U Under Voltage Fault VL - High-Side	False	
Motor A Phase U Over Voltage Fault VDD - High-Side	False	
Motor A Phase U Under Voltage Fault VDD - High-Side	False	
Motor A Phase U Over Voltage Fault VH - Low-Side	False	
Motor A Phase U Over Voltage Fault VL - Low-Side	False	
Motor A Phase U Under Voltage Fault VH - Low-Side	False	
Motor A Phase U Over Voltage Fault VDD - Low-Side	False	
Motor A Phase U Under Voltage Fault VL - Low-Side	False	
Motor A Phase U Under Voltage Fault VDD - Low-Side	False	
Motor A Phase U Comm Error High Voltage Regulator Fault - Low-Side	False	
Motor A Phase U Comm Error Low Voltage Regulator Fault - Low-Side	False	
Motor A Phase V Over Voltage Fault VH - High-Side	False	
Motor A Phase V Under Voltage Fault VH - High-Side	False	
Motor A Phase V Under Voltage Fault VL - High-Side	False	
Motor A Phase V Over Voltage Fault VL - High-Side	False	
Motor A Phase V Under Voltage Fault VDD - High-Side	False	
Motor A Phase V Over Voltage Fault VDD - High-SideSide	False	
Motor A Phase V Over Voltage Fault VL - Low-Side	False	
Motor A Phase V Under Voltage Fault VH - Low-Side	False	
Motor A Phase V Over Voltage Fault VH - Low-Side	False	
Motor A Phase V Under Voltage Fault VL - Low-Side	False	
Motor A Phase V Comm Error High Voltage Regulator Fault - Low-Side	False	
Motor A Phase V Under Voltage Fault VDD - Low-Side	False	
Motor A Phase V Comm Error Low Voltage Regulator Fault - Low-Side	False	
Motor A Phase W Over Voltage Fault VH - High-Side	False	
Motor A Phase V Over Voltage Fault VDD - Low-Side	False	
Motor A Phase W Under Voltage Fault VH - High-Side	False	
Motor A Phase W Over Voltage Fault VL - High-Side	False	
Motor A Phase W Cross Conduction Fault - High-Side	False	
Motor A Phase W Under Voltage Fault VL - High-Side	False	
Motor A Phase W Over Voltage Fault VDD - High-Side	False	
Motor A Phase W Under Voltage Fault VDD - High-Side	False	
Motor A Phase W Comm Error High Voltage Regulator Fault - High-Side	False	
Motor A Phase W Over Voltage Fault VH - Low-Side	False	
Motor A Phase W Over Voltage Fault VL - Low-Side	False	
Motor A Phase W Under Voltage Fault VL - Low-Side	False	
Motor A Phase W Under Voltage Fault VH - Low-Side	False	

Motor A Phase W Over Voltage Fault VDD - Low-Side	False	
Motor A Phase W Under Voltage Fault VDD - Low-Side	False	
Inverter A Status Feedback	Inverter Faulted	
Motor A Phase W Comm Error High Voltage Regulator Fault - Low-Side	False	
Ignition Cycle Counter	0	
Most Recent Odometer Value	771.1	miles
Original Odometer Value	771.1	miles
Frequency Counter	1	
RAM stamps keyOn	60	sec
Real time clock	9263134	sec
RAM Stamps	6205	Min
Engine Speed	0	rpm
Accelerator Pedal Position	0	%
HV Battery SOC	84	%
Vehicle Speed	0.0000	MPH
Barometric Pressure	15	PSI
Engine Coolant Temperature	48	°F
Actual Torque - Motor A	0.000	Ft-Lbs
Available Motor Torque - Motor A	6.822	Ft-Lbs
Inverter A Input DC Current	0.0	AMP
Motor A - Inverter Current - phase A	0	AMP
Electric Motor A Speed	0.0	rpm
Motor A - Inverter Current - phase B	-4	AMP
Motor A - Inverter Current - phase C	-4	AMP
Battery Feed Voltage 2 Sense	10.800	Volts
Battery Feed Voltage 3 Sense	10.800	Volts
Internal EPS Voltage Sense A	0.072	Volts
Motor A Resolver Supply Voltage Value	03FD	Volts
PIM DC Link Voltage - A	1	Volts
Passive Pump Coolant Temp In Sensor	52	°F
PIM DC Link Voltage - B	6	Volts
Internal EPS Voltage Sense B	0.000	Volts
Low Temp Active Pump Speed	0	rpm
Outside Air Temperature	53.6	°F
High Temp Aux Pump - Actual Speed	0	rpm
Battery Feed Voltage 1 Sense	10.728	Volts
Actual Torque - Motor B	0.000	Ft-Lbs
Available Motor Torque - Motor B	232.301	Ft-Lbs
Commanded Torque - Motor A	0.000	Ft-Lbs
Available Regen Torque - Motor A	-6.822	Ft-Lbs
Available Regen Torque - Motor B	-232.301	Ft-Lbs
Motor B - Inverter Current - phase A	-4	AMP
Commanded Torque - Motor B	0.000	Ft-Lbs
Motor B - Inverter Current - phase B	0	AMP

Motor B Resolver Angle	222	Degree
Motor B - Inverter Current - phase C	-4	AMP
Motor B Temp Sensor	50	°F
HV Battery Voltage from BPCM	180.00	Volts
Electric Motor B Speed	0.5	rpm
Inverter A IGBT Temperature for phase A	55	°F
Inverter A IGBT Temperature for phase C	57	°F
Inverter A IGBT Temperature for phase B	57	°F
Inverter B IGBT Temperature for phase A	57	°F
Inverter B IGBT Temperature for phase B	55	°F
Distance Travelled with Light ON	0	miles
Inverter B IGBT Temperature for phase C	55	°F
Motor B Torque	0.000	Ft-Lbs
Motor A Torque	0.000	Ft-Lbs
HV Battery Sleep Time	0	Days
GPS Date - Year	0	Year
GPS Date - Month	1	
GPS Date - Day	1	Days
UTC Time - Hours	0	Hours
UTC Time - Minutes	0	
ECU Time - Milliseconds	0	ms
UTC Time - Seconds	0	seconds

HCP | P06B1-00 | Active | Sensor Power Supply 1 Circuit Low-

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

Motor A Resolver to Digital Low Level Driver Faults	No fault	
Hybrid System State	SNA	
EPT LOC Diag Enable	Enable LOC Diagnostic	
CBC Wake-Up Input	Off	
HCP ePT Wake-Up Output	On	
HV Contactor Status	Open	
APM Status	Off	
OBCM Operating Mode	UTC	
HCP System Shutdown Command	Default	
Motor B Resolver Offset Learn Erase	not requested	
J1772 Prox Detected State	Prox Out	
Impact Event	False	
Frequency Counter	1	
Most Recent Odometer Value	771.1	miles
Ignition Cycle Counter	0	
Original Odometer Value	771.1	miles
Accelerator Pedal Position	0	%
RAM stamps keyOn	60	sec
RAM Stamps	6205	Min
Engine Speed	0	rpm
Real time clock	9263134	sec
Motor A Temp Sensor	52	°F
Barometric Pressure	15	PSI
Engine Coolant Temperature	48	°F
Motor A Resolver Angle Offset	2.00	Degree
Vehicle Speed	0.0000	MPH
Motor B Resolver Angle Offset	3.60	Degree
Motor B Temp Sensor	50	°F
Motor B Resolver Supply Voltage Value	15.75	Volts
Available Regen Torque - Motor A	0.000	Ft-Lbs
Internal EPS Voltage Sense B	0.000	Volts
Motor A Resolver Supply Voltage Value	03FD	Volts
Internal EPS Voltage Sense A	0.072	Volts
Actual Torque - Motor B	0.000	Ft-Lbs
Available Motor Torque - Motor B	232.301	Ft-Lbs
Battery Feed Voltage 2 Sense	10.800	Volts
Available Regen Torque - Motor B	-232.301	Ft-Lbs
Commanded Torque - Motor B	0.000	Ft-Lbs
Electric Motor B Speed	0.5	rpm
Available Motor Torque - Motor A	0.000	Ft-Lbs
HV Battery SOC	84	%
Electric Motor A Speed	0.0	rpm
Commanded Torque - Motor A	0.000	Ft-Lbs
Actual Torque - Motor A	0.000	Ft-Lbs

Motor B - Inverter Current - phase A	-4	AMP
Battery Feed Voltage 1 Sense	10.728	Volts
Motor B - Inverter Current - phase C	-4	AMP
Motor A - Inverter Current - phase B	-4	AMP
Battery Feed Voltage 3 Sense	10.800	Volts
Motor A - Inverter Current - phase A	-4	AMP
Outside Air Temperature	53.6	°F
Inverter B IGBT Temperature for phase B	57	°F
Motor B - Inverter Current - phase B	-4	AMP
Inverter A IGBT Temperature for phase B	57	°F
HV Battery Voltage from BPCM	180.00	Volts
Motor A - Inverter Current - phase C	-4	AMP
Inverter B IGBT Temperature for phase A	57	°F
Inverter A IGBT Temperature for phase A	55	°F
PIM DC Link Voltage - A	1	Volts
PIM DC Link Voltage - B	6	Volts
HV Battery Sleep Time	0	Days
UTC Time - Minutes	0	
Inverter B IGBT Temperature for phase C	55	°F
GPS Date - Year	0	Year
Motor A Torque	0.000	Ft-Lbs
Motor B Torque	0.000	Ft-Lbs
Distance Travelled with Light ON	0	miles
ECU Time - Milliseconds	0	ms
GPS Date - Month	1	
Inverter A IGBT Temperature for phase C	57	°F
UTC Time - Hours	0	Hours
GPS Date - Day	1	Days
UTC Time - Seconds	0	seconds

HCP | P0A78-00 | Active | Drive Motor A Inverter Performance-

NAME	VALUE	UNITS
DTC	0A 78 00	
Test Failed	True	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Confirmed DTC	True	
Test Failed Since Last Clear	True	
Test Not Completed Since Last Clear	False	
Warning Indicator Requested	True	
Test Not Completed This Operation Cycle	False	
Occurrence flag	Occurrence	
PHEV Charging Status	No Charging	
Brake Switch Status	Not Applied	

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

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

Motor A Phase V Under Voltage Fault VDD - Low-Side	False	
Motor A Phase V Comm Error High Voltage Regulator Fault - Low-Side	False	
Motor A Phase V Comm Error Low Voltage Regulator Fault - Low-Side	False	
Motor A Phase W Cross Conduction Fault - High-Side	False	
Motor A Phase W Over Voltage Fault VH - High-Side	False	
Motor A Phase W Under Voltage Fault VH - High-Side	False	
Motor A Phase W Over Voltage Fault VL - High-Side	False	
Motor A Phase W Over Voltage Fault VDD - High-Side	False	
Motor A Phase W Under Voltage Fault VDD - High-Side	False	
Motor A Phase W Under Voltage Fault VL - High-Side	False	
Motor A Phase W Comm Error High Voltage Regulator Fault - High-Side	False	
Motor A Phase W Over Voltage Fault VH - Low-Side	False	
Motor A Phase W Under Voltage Fault VH - Low-Side	False	
Motor A Phase W Under Voltage Fault VL - Low-Side	False	
Motor A Phase W Over Voltage Fault VL - Low-Side	False	
Motor A Phase W Over Voltage Fault VDD - Low-Side	False	
Motor A Phase W Under Voltage Fault VDD - Low-Side	False	
Motor A Phase W Comm Error High Voltage Regulator Fault - Low-Side	False	
Inverter A Status Feedback	Inverter Faulted	
Original Odometer Value	771.1	miles
Most Recent Odometer Value	771.1	miles
Real time clock	9263134	sec
Ignition Cycle Counter	0	
RAM Stamps	6205	Min
Frequency Counter	1	
RAM stamps keyOn	60	sec
Engine Speed	0	rpm
Accelerator Pedal Position	0	%
HV Battery SOC	84	%
Vehicle Speed	0.0000	MPH
Available Motor Torque - Motor A	0.000	Ft-Lbs
Engine Coolant Temperature	48	°F
Barometric Pressure	15	PSI
Actual Torque - Motor A	0.000	Ft-Lbs
Motor A - Inverter Current - phase A	0	AMP
Electric Motor A Speed	0.0	rpm
Inverter A Input DC Current	0.0	AMP
Motor A - Inverter Current - phase B	-4	AMP
Battery Feed Voltage 2 Sense	10.800	Volts
Motor A Resolver Supply Voltage Value	03FD	Volts
Motor A - Inverter Current - phase C	-4	AMP
Battery Feed Voltage 3 Sense	10.800	Volts
Internal EPS Voltage Sense B	0.000	Volts
Internal EPS Voltage Sense A	0.072	Volts

PIM DC Link Voltage - A	1	Volts
Passive Pump Coolant Temp In Sensor	54	°F
Low Temp Active Pump Speed	0	rpm
PIM DC Link Voltage - B	6	Volts
High Temp Aux Pump - Actual Speed	0	rpm
Outside Air Temperature	53.6	°F
Battery Feed Voltage 1 Sense	10.728	Volts
Actual Torque - Motor B	0.000	Ft-Lbs
Available Motor Torque - Motor B	232.301	Ft-Lbs
Available Regen Torque - Motor A	0.000	Ft-Lbs
Available Regen Torque - Motor B	-232.301	Ft-Lbs
Commanded Torque - Motor A	0.000	Ft-Lbs
Motor B - Inverter Current - phase A	-4	AMP
Commanded Torque - Motor B	0.000	Ft-Lbs
Motor B - Inverter Current - phase B	-4	AMP
Motor B Resolver Angle	222	Degree
Motor B - Inverter Current - phase C	0	AMP
Motor B Temp Sensor	50	°F
HV Battery Voltage from BPCM	180.00	Volts
Inverter A IGBT Temperature for phase A	55	°F
Electric Motor B Speed	0.5	rpm
Inverter A IGBT Temperature for phase C	57	°F
Inverter B IGBT Temperature for phase A	57	°F
Inverter B IGBT Temperature for phase C	55	°F
Inverter B IGBT Temperature for phase B	55	°F
Inverter A IGBT Temperature for phase B	57	°F
Distance Travelled with Light ON	0	miles
Motor A Torque	0.000	Ft-Lbs
Motor B Torque	0.000	Ft-Lbs
HV Battery Sleep Time	0	Days
UTC Time - Hours	0	Hours
GPS Date - Day	1	Days
GPS Date - Month	1	
GPS Date - Year	0	Year
UTC Time - Seconds	0	seconds
UTC Time - Minutes	0	
ECU Time - Milliseconds	0	ms

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

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

Test Failed This Operation Cycle	True	
Warning Indicator Requested	True	
Test Failed Since Last Clear	True	
Occurrence flag	Occurrence	
Pending DTC	True	
DTC Extended Data Record Number	05	
Test Not Completed This Operation Cycle	False	
Brake Switch Status	Not Applied	
PHEV Charging Status	No Charging	
Ignition State	Reserved	
PRND Position Display	P	
Propulsion System Active	False	
Main Processor Reset Source - Core 0	Controller Specific Exceptions	
Main Processor Reset Source - Core 1	Power Up	
Cumulative NVM CRC Status	Passed	
MCPInit EEPROM CRC Status	Passed	
Expendable NVM CRC Status	Passed	
Non Volatile RAM CRC Status	Passed	
BSW EEPROM CRC Status	Passed	
MCPB - MCPA SPI CRC Error Count	00	
HCP - MCPA SPI CRC Error Count	00	
Static NVM CRC Status	Passed	
MCPB - MCPA SPI ARC Error Count	00	
HCP - MCPA SPI ARC Error Count	00	
MemShare ARC Error Count- Core 0	00	
MemShare CRC Error Count- Core 1	FF	
MemShare ARC Error Count- Core 1	04	
Main Analog-to-Digital Converter Fault	False	
MCPUninit EEPROM CRC Status	Passed	
External Watchdog Fault	False	
Adaptable NVM CRC Status	Passed	
Main Clock Fault	False	
MAIN Detected SPI Fault	False	
Main Stack Fault	False	
Preserved NVM CRC Status	Passed	
MemShare CRC Error Count- Core 0	02	
MainTPU_Flt	False	
MAIN ALU Fault	False	
Main Detected Seed Received In Wrong Order	False	
Hybrid System State	SNA	
HCP ePT Wake-Up Output	On	
CBC Wake-Up Input	Off	
EPT LOC Diag Enable	Enable LOC Diagnostic	
HV Contactor Status	Open	

Impact Event	False	
HCP System Shutdown Command	Default	
APM Status	Off	
OBCM Operating Mode	UTC	
J1772 Prox Detected State	Prox Out	
Frequency Counter	1	
Original Odometer Value	771.1	miles
Most Recent Odometer Value	771.1	miles
RAM Stamps	6205	Min
Accelerator Pedal Position	0	%
Real time clock	9263132	sec
Ignition Cycle Counter	0	
Engine Speed	0	rpm
RAM stamps keyOn	60	sec
Battery Feed Voltage 2 Sense	10.800	Volts
Internal EPS Voltage Sense B	0.000	Volts
Engine Coolant Temperature	48	°F
HV Battery SOC	84	%
Vehicle Speed	0.0000	MPH
Barometric Pressure	15	PSI
Internal EPS Voltage Sense A	0.072	Volts
Available Regen Torque - Motor B	-232.301	Ft-Lbs
Actual Torque - Motor B	0.000	Ft-Lbs
Available Regen Torque - Motor A	0.000	Ft-Lbs
Battery Feed Voltage 3 Sense	10.800	Volts
Commanded Torque - Motor A	0.000	Ft-Lbs
Commanded Torque - Motor B	0.000	Ft-Lbs
Available Motor Torque - Motor B	232.301	Ft-Lbs
Motor A - Inverter Current - phase B	-4	AMP
Battery Feed Voltage 1 Sense	10.728	Volts
Actual Torque - Motor A	0.000	Ft-Lbs
Available Motor Torque - Motor A	0.000	Ft-Lbs
Motor A - Inverter Current - phase A	0	AMP
Motor B Temp Sensor	50	°F
Motor A - Inverter Current - phase C	-4	AMP
Motor B - Inverter Current - phase C	0	AMP
Motor A Temp Sensor	52	°F
Electric Motor A Speed	0.0	rpm
Motor B - Inverter Current - phase A	-4	AMP
Motor B Resolver Angle	222	Degree
Outside Air Temperature	53.6	°F
PIM DC Link Voltage - A	1	Volts
Inverter A IGBT Temperature for phase B	32	°F
Motor B - Inverter Current - phase B	-4	AMP

Motor A Resolver Angle	196	Degree
Inverter A IGBT Temperature for phase C	32	°F
HV Battery Voltage from BPCM	180.00	Volts
Inverter B IGBT Temperature for phase A	32	°F
PIM DC Link Voltage - B	6	Volts
Inverter A IGBT Temperature for phase A	32	°F
Inverter B IGBT Temperature for phase B	32	°F
Inverter B IGBT Temperature for phase C	32	°F
Electric Motor B Speed	0.5	rpm
Distance Travelled with Light ON	0	miles
UTC Time - Hours	0	Hours
GPS Date - Year	0	Year
Motor A Torque	0.000	Ft-Lbs
GPS Date - Day	1	Days
Motor B Torque	0.000	Ft-Lbs
HV Battery Sleep Time	0	Days
UTC Time - Minutes	0	
GPS Date - Month	1	
ECU Time - Milliseconds	0	ms
UTC Time - Seconds	0	seconds

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

NAME	VALUE	UNITS
DTC	1A EC 00	
Test Failed	True	
Pending DTC	True	
Test Failed This Operation Cycle	True	
Confirmed DTC	False	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
Occurrence flag		
Brake Switch Status		
PHEV Charging Status		
Ignition State		
PRND Position Display		
Propulsion System Active		
Motor A Phase U Short Fault - High-Side		
Motor A Phase U Cross Conduction Fault - High-Side		
Motor A Phase U Thermal Warning Fault - High-Side		
Motor A Phase U Thermal Shutdown Fault - High-Side		
Motor A Phase U Comm Error High Voltage Regulator Fault - High-Side		
Motor A Phase U Comm Error Low Voltage Regulator Fault - High-Side		

Motor A Phase U Over Current Fault - High-Side		
Motor A Phase U SPI Error Fault - High-Side		
Motor A Phase U Short Fault - Low-Side		
Motor A Phase U Hardware Error Fault - High-Side		
Motor A Phase U Cross Conduction Fault - Low-Side		
Motor A Phase U Thermal Warning Fault - Low-Side		
Motor A Phase U Over Current Fault - Low-Side		
Motor A Phase U SPI Error Fault - Low-Side		
Motor A Phase U Hardware Error Fault - Low-Side		
Motor A Phase V Short Fault - High-Side		
Motor A Phase U Thermal Shutdown Fault - Low-Side		
Motor A Phase V Cross Conduction Fault - High-Side		
Motor A Phase V Over Current Fault - High-Side		
Motor A Phase V Comm Error Low Voltage Regulator Fault - High-Side		
Motor A Phase V Thermal Shutdown Fault - High-Side		
Motor A Phase V Comm Error High Voltage Regulator Fault - High-Side		
Motor A Phase V Thermal Warning Fault - High-Side		
Motor A Phase V Hardware Error Fault - High-Side		
Motor A Phase V SPI Error Fault - High-Side		
Motor A Phase V Short Fault - Low-Side		
Motor A Phase V Over Current Fault - Low-Side		
Motor A Phase V Cross Conduction Fault - Low-Side		
Motor A Phase V Thermal Warning Fault - Low-Side		
Motor A Phase V SPI Error Fault - Low-Side		
Motor A Phase V Hardware Error Fault - Low-Side		
Motor A Phase V Thermal Shutdown Fault - Low-Side		
Motor A Phase W Short Fault - High-Side		
Motor A Phase W Thermal Warning Fault - High-Side		
Motor A Phase W Over Current Fault - High-Side		
Motor A Phase W Thermal Shutdown Fault - High-Side		
Motor A Phase W Comm Error Low Voltage Regulator Fault - High-Side		
Motor A Phase W Short Fault - Low-Side		
Motor A Phase W Hardware Error Fault - High-Side		
Motor A Phase W Cross Conduction Fault - Low-Side		
Motor A Phase W Thermal Warning Fault - Low-Side		
Motor A Phase W Over Current Fault - Low-Side		
Motor A Phase W Thermal Shutdown Fault - Low-Side		
Motor A Phase W Comm Error Low Voltage Regulator Fault - Low-Side		
Motor A Phase W SPI Error Fault - Low-Side		
Motor A Phase W Hardware Error Fault - Low-Side		
Motor A Phase W SPI Error Fault - High-Side		
Hybrid System State		
HV Contactor Status		
Inverter B Status Feedback		

HCP ePT Wake-Up Output		
CBC Wake-Up Input		
EPT LOC Diag Enable		
APM Status		
Impact Event		
HCP System Shutdown Command		
OBCM Operating Mode		
J1772 Prox Detected State		
Commanded Inverter A State		
Motor A Phase U Over Voltage Fault VH - High-Side		
Inverter Status Feedback		
Motor A Phase U Under Voltage Fault VH - High-Side		
Motor A Phase U Under Voltage Fault VL - High-Side		
Motor A Phase U Over Voltage Fault VL - High-Side		
Motor A Phase U Over Voltage Fault VH - Low-Side		
Motor A Phase U Under Voltage Fault VDD - High-Side		
Motor A Phase U Under Voltage Fault VH - Low-Side		
Motor A Phase U Over Voltage Fault VDD - High-Side		
Motor A Phase U Under Voltage Fault VL - Low-Side		
Motor A Phase U Over Voltage Fault VL - Low-Side		
Motor A Phase U Over Voltage Fault VDD - Low-Side		
Motor A Phase U Under Voltage Fault VDD - Low-Side		
Motor A Phase U Comm Error Low Voltage Regulator Fault - Low-Side		
Motor A Phase U Comm Error High Voltage Regulator Fault - Low-Side		
Motor A Phase V Over Voltage Fault VH - High-Side		
Motor A Phase V Under Voltage Fault VH - High-Side		
Motor A Phase V Over Voltage Fault VL - High-Side		
Motor A Phase V Under Voltage Fault VL - High-Side		
Motor A Phase V Over Voltage Fault VDD - High-SideSide		
Motor A Phase V Under Voltage Fault VDD - High-Side		
Motor A Phase V Over Voltage Fault VH - Low-Side		
Motor A Phase V Under Voltage Fault VH - Low-Side		
Motor A Phase V Over Voltage Fault VL - Low-Side		
Motor A Phase V Under Voltage Fault VL - Low-Side		
Motor A Phase V Under Voltage Fault VDD - Low-Side		
Motor A Phase V Comm Error Low Voltage Regulator Fault - Low-Side		
Motor A Phase V Over Voltage Fault VDD - Low-Side		
Motor A Phase W Cross Conduction Fault - High-Side		
Motor A Phase W Over Voltage Fault VH - High-Side		
Motor A Phase W Under Voltage Fault VH - High-Side		
Motor A Phase V Comm Error High Voltage Regulator Fault - Low-Side		
Motor A Phase W Over Voltage Fault VL - High-Side		
Motor A Phase W Over Voltage Fault VDD - High-Side		
Motor A Phase W Under Voltage Fault VL - High-Side		

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

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

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

NAME	VALUE	UNITS
DTC	1A EE 00	
Test Failed	True	
Pending DTC	True	
Test Failed This Operation Cycle	True	
Test Not Completed Since Last Clear	False	
Confirmed DTC	True	
Test Not Completed This Operation Cycle	False	
Occurrence flag	Occurrence	
Test Failed Since Last Clear	True	
Warning Indicator Requested	True	
PHEV Charging Status	No Charging	
Brake Switch Status	Not Applied	
Ignition State	Reserved	

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

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

Motor A Phase V Under Voltage Fault VDD - Low-Side	False	
Motor A Phase V Comm Error Low Voltage Regulator Fault - Low-Side	False	
Motor A Phase W Cross Conduction Fault - High-Side	False	
Motor A Phase W Over Voltage Fault VH - High-Side	False	
Motor A Phase W Over Voltage Fault VL - High-Side	False	
Motor A Phase W Under Voltage Fault VH - High-Side	False	
Motor A Phase W Over Voltage Fault VDD - High-Side	False	
Motor A Phase W Under Voltage Fault VDD - High-Side	False	
Motor A Phase W Comm Error High Voltage Regulator Fault - High-Side	False	
Motor A Phase W Over Voltage Fault VH - Low-Side	False	
Motor A Phase W Under Voltage Fault VH - Low-Side	False	
Motor A Phase W Over Voltage Fault VL - Low-Side	False	
Motor A Phase W Under Voltage Fault VL - Low-Side	False	
Motor A Phase W Under Voltage Fault VDD - Low-Side	False	
Motor A Phase W Under Voltage Fault VL - High-Side	False	
Motor A Phase W Over Voltage Fault VDD - Low-Side	False	
Motor A Phase W Comm Error High Voltage Regulator Fault - Low-Side	False	
Inverter A Status Feedback	Inverter Faulted	
Original Odometer Value	771.1	miles
Most Recent Odometer Value	771.1	miles
Ignition Cycle Counter	0	
Frequency Counter	1	
Real time clock	9263134	sec
RAM Stamps	6205	Min
Accelerator Pedal Position	0	%
Engine Speed	0	rpm
RAM stamps keyOn	60	sec
HV Battery SOC	84	%
Vehicle Speed	0.0000	MPH
Engine Coolant Temperature	48	°F
Barometric Pressure	15	PSI
Actual Torque - Motor A	0.000	Ft-Lbs
Available Motor Torque - Motor A	0.000	Ft-Lbs
Inverter A Input DC Current	0.0	AMP
Motor A - Inverter Current - phase A	0	AMP
Electric Motor A Speed	0.0	rpm
Motor A - Inverter Current - phase B	-4	AMP
Motor A - Inverter Current - phase C	-4	AMP
Motor A Resolver Supply Voltage Value	03FD	Volts
Internal EPS Voltage Sense B	0.000	Volts
Battery Feed Voltage 3 Sense	10.800	Volts
Battery Feed Voltage 2 Sense	10.800	Volts
PIM DC Link Voltage - A	1	Volts
Internal EPS Voltage Sense A	0.000	Volts

PIM DC Link Voltage - B	6	Volts
Passive Pump Coolant Temp In Sensor	54	°F
Outside Air Temperature	53.6	°F
Low Temp Active Pump Speed	0	rpm
High Temp Aux Pump - Actual Speed	0	rpm
Actual Torque - Motor B	0.000	Ft-Lbs
Battery Feed Voltage 1 Sense	10.728	Volts
Available Motor Torque - Motor B	232.301	Ft-Lbs
Available Regen Torque - Motor B	-232.301	Ft-Lbs
Commanded Torque - Motor A	0.000	Ft-Lbs
Available Regen Torque - Motor A	0.000	Ft-Lbs
Motor B - Inverter Current - phase A	-4	AMP
Motor B - Inverter Current - phase C	-4	AMP
Motor B - Inverter Current - phase B	0	AMP
Commanded Torque - Motor B	0.000	Ft-Lbs
Motor B Resolver Angle	222	Degree
Motor B Temp Sensor	50	°F
HV Battery Voltage from BPCM	180.00	Volts
Inverter A IGBT Temperature for phase A	55	°F
Electric Motor B Speed	0.0	rpm
Inverter A IGBT Temperature for phase C	57	°F
Inverter A IGBT Temperature for phase B	57	°F
Inverter B IGBT Temperature for phase C	55	°F
Inverter B IGBT Temperature for phase A	57	°F
Distance Travelled with Light ON	0	miles
Inverter B IGBT Temperature for phase B	55	°F
Motor A Torque	0.000	Ft-Lbs
Motor B Torque	0.000	Ft-Lbs
GPS Date - Year	0	Year
GPS Date - Day	1	Days
HV Battery Sleep Time	0	Days
UTC Time - Hours	0	Hours
GPS Date - Month	1	
UTC Time - Minutes	0	
ECU Time - Milliseconds	0	ms
UTC Time - Seconds	0	seconds

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

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

Confirmed DTC	False	
Test Not Completed This Operation Cycle	False	
Occurrence flag		
Warning Indicator Requested	False	
Brake Switch Status		
PHEV Charging Status		
Test Failed This Operation Cycle	True	
Ignition State		
PRND Position Display		
Propulsion System Active		
Thermal System Enable State		
High Temperature Shut-Off Valve Status		
Front Refrigerant Shut-Off Valve Status		
Chiller Shut-Off Valve Status		
Hybrid System State		
EPT LOC Diag Enable		
HV Contactor Status		
CBC Wake-Up Input		
HCP System Shutdown Command		
APM Status		
OBCM Operating Mode		
Impact Event		
J1772 Prox Detected State		
Real time clock		sec
Ignition Cycle Counter		
Most Recent Odometer Value		miles
RAM Stamps		Min
RAM stamps keyOn		sec
Engine Speed		rpm
Original Odometer Value		miles
HV Battery SOC		%
Accelerator Pedal Position		%
Frequency Counter		
Barometric Pressure		PSI
Engine Coolant Temperature		°F
Heater Core Coolant Temp Sensor		°F
Passive Pump Coolant Temp In Sensor		°F
Outside Air Temperature		°F
Motor A Temp Sensor		°F
Vehicle Speed		MPH
Electric Coolant Heater Temp Sensor		°F
A/C Refrigerant Pressure		PSI
Low Temp Passive Pump - Temperature		°F
HV Coolant Heater - Measured Coolant Outlet Temp		°F

Motor B Temp Sensor		°F
Radiator Fan Duty Cycle		%
EAC Compressor Speed		rpm
High Temp Cabin Valve Feedback		degrees
Internal EPS Voltage Sense A		Volts
Internal EPS Voltage Sense B		Volts
Battery Feed Voltage 3 Sense		Volts
Low Temp Active Pump - Temperature		°F
Battery Feed Voltage 2 Sense		Volts
HV Coolant Heater - Measured Coolant Inlet Temp		°F
Actual Torque - Motor B		Ft-Lbs
Available Regen Torque - Motor A		Ft-Lbs
Battery Feed Voltage 1 Sense		Volts
Motor A - Inverter Current - phase B		AMP
Available Regen Torque - Motor B		Ft-Lbs
Available Motor Torque - Motor B		Ft-Lbs
Motor B - Inverter Current - phase C		AMP
Motor B Resolver Angle		Degree
Motor B - Inverter Current - phase A		AMP
Commanded Torque - Motor B		Ft-Lbs
Available Motor Torque - Motor A		Ft-Lbs
Commanded Torque - Motor A		Ft-Lbs
Motor A - Inverter Current - phase C		AMP
Motor B - Inverter Current - phase B		AMP
Inverter A IGBT Temperature for phase B		°F
Motor A Resolver Angle		Degree
Motor A - Inverter Current - phase A		AMP
HV Battery Voltage from BPCM		Volts
Inverter A IGBT Temperature for phase A		°F
PIM DC Link Voltage - B		Volts
Inverter B IGBT Temperature for phase B		°F
Inverter A IGBT Temperature for phase C		°F
Electric Motor B Speed		rpm
Electric Motor A Speed		rpm
Inverter B IGBT Temperature for phase A		°F
PIM DC Link Voltage - A		Volts
GPS Date - Month		
GPS Date - Day		Days
UTC Time - Seconds		seconds
Distance Travelled with Light ON		miles
Motor B Torque		Ft-Lbs
GPS Date - Year		Year
Motor A Torque		Ft-Lbs
UTC Time - Minutes		

HV Battery Sleep Time		Days
ECU Time - Milliseconds		ms
Inverter B IGBT Temperature for phase C		°F
UTC Time - Hours		Hours

SNAPSHOT DATA SUMMARY

No Snapshot Data available for P1AE2-00

No Snapshot Data available for P0A95-00

No Snapshot Data available for P0AA4-00

No Snapshot Data available for P0642-00

No Snapshot Data available for P06B1-00

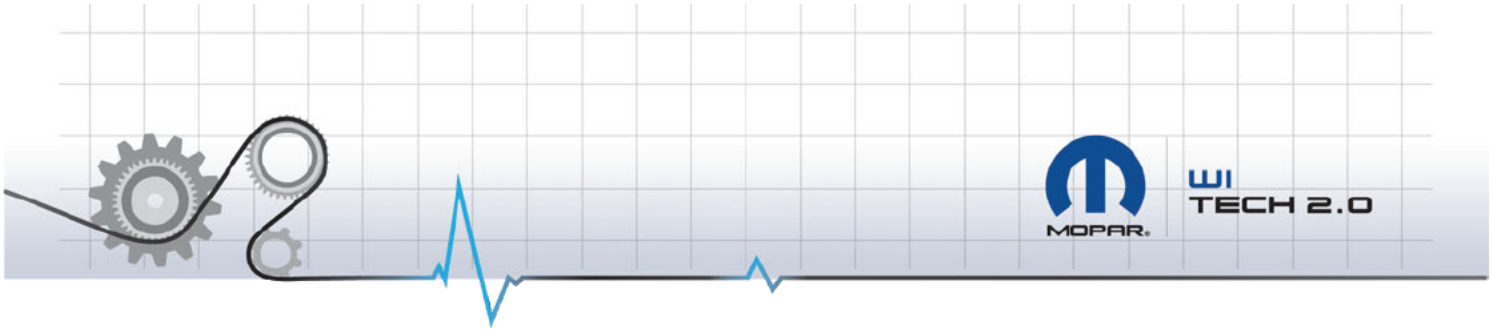
No Snapshot Data available for P0A78-00

No Snapshot Data available for P16F9-00

No Snapshot Data available for P1AEC-00

No Snapshot Data available for P1AEE-00

No Snapshot Data available for U0623-00



VEHICLE SCAN REPORT

Vehicle 2020 CHRYSLER PACIFICA (PHEV) 3.6L V6 HYBRID ENGINE
VIN 2C4RC1N[redacted]

Odometer 771.1 miles
Publication Date Dec 4, 2020, 10:06:51 AM

ECU SUMMARY INFO

ECU	NAME	BUS TYPE	FLASH PART #	CURREN[redacted]	ORIGINAL[redacted]	PART #
PCM	Powertrain Control Module	CAN-C	68444228AE	2C4RC1N	2C4RC1N	68444228AE
ICS	Integrated Center Stack	CAN-I	6UX621X8AA	2C4RC1N	2C4RC1N	6UX621X8AA
RFH	Radio Frequency Hub	CAN-C	68453559AB	2C4RC1N	2C4RC1N	68453559AB
ESM	Electronic Shifter	CAN-C	68240089AM	2C4RC1N	2C4RC1N	68240089AM
ORC	Occupant Restraint	CAN-C	68453076AD	2C4RC1N	2C4RC1N	68453076AD
EPS	Electric Power Steering	CAN-C	68460392AA	2C4RC1N	2C4RC1N	68460392AA
HVAC	Heat, Ventilation and A/C	CAN-I	68447893AC	2C4RC1N	2C4RC1N	68447893AC
DDM	Driver Door Module	CAN-I	68424449AC	2C4RC1N	2C4RC1N	68424449AC
PDM	Passenger Door Module	CAN-I	68424448AC	2C4RC1N	2C4RC1N	68424448AC
DMRL	Door Module Rear Left	CAN-I	68225096AG	2C4RC1N	2C4RC1N	68225096AG
DMRR	Door Module Rear Right	CAN-I	68225096AG	2C4RC1N	2C4RC1N	68225096AG
PSDML	Power Sliding Doors (Left)	CAN-I	68369596AD	2C4RC1N	2C4RC1N	68369596AD
PSDMR	Power Sliding Doors (Right)	CAN-I	68369596AD	2C4RC1N	2C4RC1N	68369596AD
MSM	Memory Seat Module	CAN-I	68321862AC	2C4RC1N	2C4RC1N	68321862AC
PLGM	Power Liftgate	CAN-I	68316094AF	2C4RC1N	2C4RC1N	68316094AF
CSWM	Comfort Seat Wheel Module	CAN-I	68434912AC	2C4RC1N	2C4RC1N	68434912AC
AMP	Amplifier	CAN-I	68448067AA	2C4RC1N	2C4RC1N	68448067AA
IPC	Instrument Panel Cluster	CAN-C	68434956AC	2C4RC1N	2C4RC1N	68434956AC
PTS	Parktronics	CAN-C	68193775AJ	2C4RC1N	2C4RC1N	68193775AJ
SCCM	Steering Column Control Module	CAN-C	68360889AD	2C4RC1N	2C4RC1N	68360889AD
BCM	Body Controller	CAN-C	68424601AE	2C4RC1N	2C4RC1N	68424601AE

ACC	Adaptive Cruise Control	CAN-C	68417813AF	2C4RC1N79	2C4RC1N	68417813AF
RADIO	Radio	CAN-I	68461768AD	2C4RC1	2C4RC1N	68461768AD
OCM	Occupant Classification	CAN-C	68403127AA	2C4RC1N79	2C4RC1N	68403127AA
HVACR	Heat, Ventilation and A/C Rear	CAN-I	68373079AB	2C4RC1N79	2C4RC1N	68373079AB
LBSS	Left Blind Spot Sensor	CAN-I	04672786AB	2C4RC1N79	2C4RC1N	04672786AB
RBSS	Right Blind Spot Sensor	CAN-I	04672786AB	2C4RC1N79	2C4RC1N	04672786AB
FFCM	Forward Facing Camera Module	CAN-C	68493395AA	2C4RC1N79	2C4RC1N	68493395AA
EDM	External Disc Module	CAN-I	68378304AB	2C4RC1N79	2C4RC1N	68378304AB
APM	Accessory Power Module	CAN-C	05185046AB	2C4RC1N79	2C4RC1N	05185046AB
BPCM	Battery Pack Control Module	CAN-C	05193166AD	2C4RC1N79	2C4RC1N	05193166AD
HCP	Hybrid Control Processor	CAN-C	05190265AF	2C4RC1N79	2C4RC1N	05190265AF
OBCM	On Board Charging Module	CAN-C	05185047AE	2C4RC1N79	2C4RC1N	05185047AE
MSMP	Memory Seat Module - Passenger	CAN-I	68321862AC	2C4RC1N79	2C4RC1N	68321862AC
DSM	Display Screen Module	CAN-I	68316174AC	2C4RC1N79	2C4RC1N	68316174AC
VRM	Video Routing Module	CAN-I	68376134AG	2C4RC1N79	2C4RC1N	68376134AG
RCCC	Rear Cabin Comfort Controls	CAN-I	6WL30PD2AA	2C4RC1N79	2C4RC1N	6WL30PD2AA
CVPM	Central vision processing module	CAN-I	68375113AB	2C4RC1N79	2C4RC1N	68375113AB
EAC	Electric A/C Compressor	CAN-C	68237995AG	2C4RC1N79	2C4RC1N	68237995AG
AHCP	Auxiliary Hybrid Control Processor	CAN-C	05190266AF	2C4RC1N79	2C4RC1N	05190266AF
EBBM	Electronic Brake Booster Module	CAN-C	68461813AB	2C4RC1N79	2C4RC1N	68461813AB
ABSO	Anti Lock Brakes OBD	CAN-C	68471122AD	2C4RC1N79	2C4RC1N	68471122AD
SGW	Security Gateway Module	CAN-C	68447193AB		2C4RC1N	68447193AB

ECU SUMMARY INFO (CONT...)

ECU	COUNTRY CODE	HARDWARE VERSION	SOFTWARE VERSION	IDENT	CVNS
PCM	USA	1B 47	46 03 01	4419	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	13 18 03	4005	F5BC8401
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
BPCM	P1AE2-00	Battery Energy Control Module High Voltage System Interlock Circuit-	Stored
BPCM	P0A95-00	High Voltage Fuse "A"-	Active
BPCM	P0AA4-00	Hybrid/EV Battery Negative Contactor "A" Stuck Closed-	Active

HCP	P0642-00	Sensor Reference Voltage 1 Circuit Low-	Active
HCP	P06B1-00	Sensor Power Supply 1 Circuit Low-	Active
HCP	P0A78-00	Drive Motor A Inverter Performance-	Active
HCP	P16F9-00	HCP Internal - Shutdown Performance-	Active
HCP	P1AEC-00	MCPA HV Battery Voltage Sensor Circuit Performance-	Active
HCP	P1AEE-00	MCPA HV Battery System Voltage High-	Active
HCP	U0623-00	Lost Communication with Coolant Pump "A"-	Active

ENVIRONMENTAL DATA SUMMARY

BPCM | P1AE2-00 | Stored | Battery Energy Control Module High Voltage System Interlock Circuit-

NAME	VALUE	UNITS
Key in Ignition	Key_Def	
EPT -WakeUp	Not Sourced	
HCP Contactor Command	Open	
Qualified Contactor Command - QCC	Open	
Verified Contactor Command - VCC	Open	
ChargingLevel	Plug in, but no charge	
Contactor Status	Open	
Plug in Status	Not plugged in	
Balance Mode	False	
Battery in Periodic wake up (Just battery) at time of Fault	False	
Battery in Periodic wake up (Wake up vehicle) at time of Fault	False	
Key Position	Ign_Lock	
HVIL Status - Battery pack	PASS	
HVIL Status -Vehicle	Not Sourced	
Pump - Wire Open\Short to Gnd	PASS	
Pump - Overtemperature	PASS	
Pump - Switch Power Shorted	PASS	
Pump - Overcurrent	PASS	
Pump - Dry Run Detection	PASS	
Fault trigger level 1	False	
Fault trigger level 3	False	
Fault trigger level 2	False	
Fault Path	01	
Key - DriveRdy (CAN)	True	
Battery Cell Lowest Cell number	71	
Battery Cell Highest Cell number	38	
Battery Temperature Highest Sensor number	09	
Battery Temperature Lowest Sensor number	02	
HV Cooling Pump Relay Drive	Not Sourced	
Pump - Battery Coolant Level Low	False	
Battery Temperature Number of Failing Sensors	00	
Isolation Vehicle Diagnostic Status	Run and Passed	
Isolation Battery Diagnostic Status	Run and Passed	

BPCM Sec Asic Reset Req	Not Active	
BPCM Sec Asic Fault Input	Not Active	
BPCM Sec CC Path Test Active	Not Active	
BPCM L2 General Monitoring Flt Rsn	L2L1_CELL_MAX_V_CMP_FLT	
BPCM L2 Contactor Dslb Req	Undetermined	
BPCM L2 CC Path Test Req	Undetermined	
BPCM L2 ASIC Diagnostic Flt Rsn	ADCTest	
BPCM Sec HW Timer Status	Not Active	
BPCM Sec Contactor State	Open	
BPCM Main HW Timer Status	Not Active	
BPCM Sec Asic Fault State	NOTASSERTED	
Real Time Clock Validity	True	
Test Failed	False	
DTC	1A E2 00	
Test Failed This Operation Cycle	False	
Pending DTC	True	
Confirmed DTC	True	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Test Not Completed Since Last Clear	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number - All	01	
Occurrence flag	Error	
DTC Extended Data Record Number - 2	6C	
Ignition Cycle Counter	1	
Frequency Counter	1	
FoM - for this DTC (lifetime fails)	18	events
FoM - for this DTC (lifetime fails counts on pass)	0.0000	seconds
Battery Total Time Awake	9263151	seconds
Battery Lifetime Miles	613FA9	miles
FoM - for this DTC (lifetime longest fail on pass)	0.000	seconds
Vehicle mileage at time of fault (ODO signal in $3D2)	771.12	miles
Vehicle Speed	0.0	MPH
Battery Lifetime AmpHrs of Charge	958.4	AHr
Battery Lifetime AmpHrs of DisCharge	931.1	AHr
System (12) Volts at time of fault	11.283	Volts
Power Up SOC at time of Fault	83.9	%
HVIL PWM Duty Cycle - Vehicle	0.0	%
SOC at time of Fault	83.9	%
HVIL PWM Frequency - Vehicle	0.0	Hz
HVIL PWM peak voltage Sourced - Vehicle	0.394	Volts
HVIL Source Voltage- Battery	7.230	Volts
HVIL Returned current - Battery	0.10	mA
HV Battery Current Sensor 2 Hall Low	0.00	Amps

HVIL PWM peak voltage Sensed - Vehicle	0.376	Volts
HV Battery Current Sensor 1 Hall High	-0.20	Amps
HV Cooling Speed pump 1 Speed	0	rpm
HV Battery Current HVBatCrnt	0.00	Amps
Charge indicator Temp	55	°F
HV Cooling Speed Pump 1 Target	0	rpm
BPCM temperature max	45	°F
Isolation Circuitry Vb	2.501	Volts
Isolation Circuitry Va	2.498	Volts
Isolation Circuitry Vd	0.000	Volts
BPCM temperature min	43	°F
WC and Circuitry Vcc Voltage	5.009	Volts
WC and Circuitry 2.5V Reference Voltage	2.498	Volts
WC and Circuitry Weld Contactor Sensor G (Pack Negative) Voltage	0.2	Volts
WC and CircuitryISO 8V Reference Voltage	7.971	Volts
HV Battery Charge Power 2sec	47439	watts
Cycles left to self heal	40	No Unit
HV Battery Charge Power 10sec	40239	watts
HV Battery Discharge Power 2sec	99141	watts
HV Battery Power	007530	watts
Battery Lifetime Number Of Closes	431	
HV Battery Discharge Power 10sec	96813	watts
Battery Full AmpHr Capacity	49	AmpHrs
Cell Impedance Max Discharge	0	mOhms
Cell Impedance Mim Discharge	0	mOhms
Battery Cell Voltage Minimum	3993	mV
Battery Cell Voltage Average	4000	mV
Battery Cell Voltage Maximum	4009	mV
HV Battery Voltage (cell sum)	384.00	Volts
HV Sensor C OBCM (HVOBC Fuse) Voltage	4.40	Volts
HV Sensor D Heater (HVHTR Fuse) Voltage	4.40	Volts
HV Sensor A Pack Voltage	4.40	Volts
HV Battery Voltage (Module Sum)	383.80	Volts
HV Sensor B Bus\Link (Pre-Fuse) Voltage	4.40	Volts
Battery Temperature Minimum Module	43	°F
Battery Temperature Maximum Module	45	°F
Battery Temperature Average Module	43	°F
HV Sensor G Weld Contactor(Pack Negative) Voltage	0.2	Volts
HV Cooling Battery coolant inlet temp	46	°F
Isolation Vehicle Impedance	8.9000	Mega Ohms
HV Cooling OBCM temp inlet Temp	50	°F
HV Cooling Battery coolant outlet temp	45	°F
Isolation Battery Impedance	0.8480	Mega Ohms
HV Bat SOH-R	94.9	%

BPCM Sec MM Hw Reset Error Counter	0	cnts
BPCM Sec QA Error Counter	0	cnts
HV Bat SOH-C	94.5	%
Engine Speed	0	rpm
BPCM L2 SM Hw Reset Error Counter	0	No Unit
Real time clock	429496.7295	seconds
Real time clock-OS Task Delay Timer	3	
Accelerator position	7.5	%
Most Recent Odometer Value	766	miles
Original Odometer Value	766	miles

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

NAME	VALUE	UNITS
Key in Ignition	Key_Def	
HCP Contactor Command	Open	
Key Position	Ign_ Run	
EPT -WakeUp	Sourced	
Verified Contactor Command - VCC	Open	
Qualified Contactor Command - QCC	Open	
Contactor Status	Open	
Plug in Status	Not plugged in	
ChargingLevel	Plug in, but no charge	
Balance Mode	False	
Battery in Periodic wake up (Wake up vehicle) at time of Fault	False	
Battery in Periodic wake up (Just battery) at time of Fault	False	
HVIL Status -Vehicle	Not Sourced	
HVIL Status - Battery pack	PASS	
Pump - Dry Run Detection	PASS	
Pump - Overcurrent	PASS	
Pump - Wire Open\Short to Gnd	PASS	
Pump - Overtemperature	PASS	
Pump - Switch Power Shorted	PASS	
Fault trigger level 1	False	
Fault trigger level 2	False	
Fault Path	01	
Fault trigger level 3	False	
Key - DriveRdy (CAN)	True	
Battery Cell Highest Cell number	38	
Battery Cell Lowest Cell number	71	
Battery Temperature Highest Sensor number	09	
Battery Temperature Lowest Sensor number	02	
Battery Temperature Number of Failing Sensors	00	
HV Cooling Pump Relay Drive	Not Sourced	
Isolation Vehicle Diagnostic Status	Run and Passed	

Pump - Battery Coolant Level Low	False	
Isolation Battery Diagnostic Status	Run and Passed	
BPCM Sec Asic Reset Req	Not Active	
BPCM Sec Asic Fault Input	Not Active	
BPCM L2 General Monitoring Flt Rsn	L2L1_CELL_MAX_V_CMP_FLT	
BPCM Sec CC Path Test Active	Not Active	
BPCM L2 CC Path Test Req	Undetermined	
BPCM L2 ASIC Diagnostic Flt Rsn	ADCTest	
BPCM L2 Contactor Dslb Req	Undetermined	
BPCM Sec Contactor State	Open	
BPCM Sec HW Timer Status	Not Active	
BPCM Main HW Timer Status	Not Active	
BPCM Sec Asic Fault State	NOTASSERTED	
Real Time Clock Validity	True	
DTC	0A 95 00	
Test Failed	True	
Pending DTC	True	
Confirmed DTC	True	
Test Failed This Operation Cycle	True	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Test Not Completed Since Last Clear	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number - All	01	
Occurrence flag	Error	
DTC Extended Data Record Number - 2	08	
Frequency Counter	1	
Ignition Cycle Counter	0	
FoM - for this DTC (lifetime fails counts on pass)	0.8800	seconds
FoM - for this DTC (lifetime fails)	43	events
Battery Total Time Awake	9263137	seconds
FoM - for this DTC (lifetime longest fail on pass)	0.880	seconds
Vehicle mileage at time of fault (ODO signal in $3D2)	771.12	miles
Vehicle Speed	0.0	MPH
System (12) Volts at time of fault	11.126	Volts
Battery Lifetime AmpHrs of Charge	958.4	AHr
SOC at time of Fault	83.9	%
Battery Lifetime Miles	613FA9	miles
Power Up SOC at time of Fault	83.9	%
Battery Lifetime AmpHrs of DisCharge	931.1	AHr
HVIL PWM Frequency - Vehicle	0.0	Hz
HVIL PWM peak voltage Sourced - Vehicle	0.394	Volts
HVIL PWM Duty Cycle - Vehicle	0.0	%
HVIL PWM peak voltage Sensed - Vehicle	0.379	Volts

HVIL Returned current - Battery	30.10	mA
HVIL Source Voltage- Battery	1.370	Volts
HV Battery Current Sensor 2 Hall Low	0.00	Amps
HV Battery Current HVBatCrnt	0.00	Amps
HV Battery Current Sensor 1 Hall High	-0.85	Amps
Charge indicator Temp	55	°F
HV Cooling Speed Pump 1 Target	0	rpm
HV Cooling Speed pump 1 Speed	0	rpm
BPCM temperature min	43	°F
BPCM temperature max	45	°F
Isolation Circuitry Vb	2.501	Volts
Isolation Circuitry Va	2.498	Volts
WC and Circuitry Vcc Voltage	5.012	Volts
Isolation Circuitry Vd	0.000	Volts
WC and Circuitry 2.5V Reference Voltage	2.498	Volts
WC and CircuitryISO 8V Reference Voltage	7.971	Volts
Cycles left to self heal	40	No Unit
WC and Circuitry Weld Contactor Sensor G (Pack Negative) Voltage	0.2	Volts
HV Battery Charge Power 2sec	47415	watts
HV Battery Discharge Power 10sec	96813	watts
HV Battery Charge Power 10sec	40227	watts
HV Battery Discharge Power 2sec	99141	watts
HV Battery Power	007530	watts
Cell Impedance Max Discharge	0	mOhms
Battery Full AmpHr Capacity	49	AmpHrs
Cell Impedance Mim Discharge	0	mOhms
Battery Lifetime Number Of Closes	431	
Battery Cell Voltage Minimum	3993	mV
Battery Cell Voltage Maximum	4009	mV
Battery Cell Voltage Average	4000	mV
HV Sensor B Bus\Link (Pre-Fuse) Voltage	4.60	Volts
HV Sensor A Pack Voltage	4.60	Volts
HV Battery Voltage (Module Sum)	383.80	Volts
HV Battery Voltage (cell sum)	384.00	Volts
HV Sensor C OBCM (HVOBC Fuse) Voltage	4.60	Volts
HV Sensor G Weld Contactor(Pack Negative) Voltage	0.2	Volts
HV Sensor D Heater (HVHTR Fuse) Voltage	4.60	Volts
Battery Temperature Maximum Module	45	°F
Battery Temperature Minimum Module	43	°F
Battery Temperature Average Module	43	°F
HV Cooling OBCM temp inlet Temp	50	°F
HV Cooling Battery coolant outlet temp	45	°F
HV Cooling Battery coolant inlet temp	46	°F
Isolation Vehicle Impedance	8.9000	Mega Ohms

HV Bat SOH-R	94.9	%
HV Bat SOH-C	94.5	%
Isolation Battery Impedance	0.8480	Mega Ohms
BPCM Sec MM Hw Reset Error Counter	0	cnts
BPCM Sec QA Error Counter	0	cnts
BPCM L2 SM Hw Reset Error Counter	0	No Unit
Accelerator position	7.8	%
Engine Speed	0	rpm
Real time clock-OS Task Delay Timer	0	
Real time clock	429496.7295	seconds
Original Odometer Value	766	miles
Most Recent Odometer Value	766	miles

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

NAME	VALUE	UNITS
Key in Ignition	Key_Def	
HCP Contactor Command	Open	
Qualified Contactor Command - QCC	Open	
Verified Contactor Command - VCC	Open	
Key Position	Ign_ Run	
Contactor Status	Open	
ChargingLevel	Plug in, but no charge	
Plug in Status	Not plugged in	
Battery in Periodic wake up (Just battery) at time of Fault	False	
Balance Mode	False	
Battery in Periodic wake up (Wake up vehicle) at time of Fault	False	
EPT -WakeUp	Sourced	
HVIL Status - Battery pack	PASS	
HVIL Status -Vehicle	Not Sourced	
Pump - Wire Open\Short to Gnd	PASS	
Pump - Dry Run Detection	PASS	
Pump - Overcurrent	PASS	
Pump - Switch Power Shorted	PASS	
Pump - Overtemperature	PASS	
Fault trigger level 1	False	
Fault trigger level 3	False	
Fault Path	01	
Fault trigger level 2	False	
Key - DriveRdy (CAN)	True	
Battery Cell Highest Cell number	38	
Battery Cell Lowest Cell number	71	
Battery Temperature Highest Sensor number	09	
Battery Temperature Number of Failing Sensors	00	
Battery Temperature Lowest Sensor number	02	

HV Cooling Pump Relay Drive	Not Sourced	
Pump - Battery Coolant Level Low	False	
Isolation Vehicle Diagnostic Status	Run and Passed	
Isolation Battery Diagnostic Status	Run and Passed	
BPCM Sec Asic Reset Req	Not Active	
BPCM Sec Asic Fault Input	Not Active	
BPCM Sec CC Path Test Active	Not Active	
BPCM L2 General Monitoring Flt Rsn	L2L1_CELL_MAX_V_CMP_FLT	
BPCM L2 Contactor Dslb Req	Undetermined	
BPCM L2 CC Path Test Req	Undetermined	
BPCM L2 ASIC Diagnostic Flt Rsn	ADCTest	
BPCM Sec HW Timer Status	Not Active	
BPCM Sec Contactor State	Open	
BPCM Main HW Timer Status	Not Active	
BPCM Sec Asic Fault State	NOTASSERTED	
Real Time Clock Validity	True	
Test Failed	True	
DTC	0A A4 00	
Pending DTC	True	
Confirmed DTC	True	
Test Failed This Operation Cycle	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	True	
Test Not Completed Since Last Clear	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number - All	01	
Occurrence flag	Error	
DTC Extended Data Record Number - 2	0E	
Ignition Cycle Counter	0	
FoM - for this DTC (lifetime fails)	2	events
Frequency Counter	1	
FoM - for this DTC (lifetime longest fail on pass)	0.000	seconds
Battery Total Time Awake	9263132	seconds
System (12) Volts at time of fault	11.104	Volts
Vehicle Speed	0.0	MPH
FoM - for this DTC (lifetime fails counts on pass)	0.0000	seconds
Vehicle mileage at time of fault (ODO signal in $3D2)	771.12	miles
Battery Lifetime AmpHrs of DisCharge	931.1	AHr
Battery Lifetime AmpHrs of Charge	958.4	AHr
Power Up SOC at time of Fault	83.9	%
HVIL PWM Duty Cycle - Vehicle	0.0	%
SOC at time of Fault	83.9	%
Battery Lifetime Miles	613FA9	miles
HVIL PWM peak voltage Sourced - Vehicle	0.394	Volts

HVIL PWM peak voltage Sensed - Vehicle	0.376	Volts
HVIL PWM Frequency - Vehicle	0.0	Hz
HVIL Returned current - Battery	30.10	mA
HVIL Source Voltage- Battery	1.370	Volts
HV Battery Current Sensor 2 Hall Low	0.00	Amps
HV Battery Current Sensor 1 Hall High	-0.60	Amps
HV Battery Current HVBatCrnt	0.00	Amps
HV Cooling Speed pump 1 Speed	0	rpm
Charge indicator Temp	55	°F
Isolation Circuitry Va	2.498	Volts
BPCM temperature min	43	°F
BPCM temperature max	45	°F
HV Cooling Speed Pump 1 Target	0	rpm
Isolation Circuitry Vb	2.501	Volts
WC and CircuitryISO 8V Reference Voltage	7.971	Volts
Isolation Circuitry Vd	0.000	Volts
WC and Circuitry Weld Contactor Sensor G (Pack Negative) Voltage	0.2	Volts
WC and Circuitry 2.5V Reference Voltage	2.498	Volts
WC and Circuitry Vcc Voltage	5.012	Volts
Cycles left to self heal	40	No Unit
HV Battery Discharge Power 2sec	99141	watts
HV Battery Discharge Power 10sec	96813	watts
HV Battery Charge Power 2sec	47418	watts
HV Battery Charge Power 10sec	40227	watts
HV Battery Power	007530	watts
Battery Lifetime Number Of Closes	431	
Cell Impedance Mim Discharge	0	mOhms
Battery Full AmpHr Capacity	49	AmpHrs
Cell Impedance Max Discharge	0	mOhms
Battery Cell Voltage Maximum	4009	mV
HV Battery Voltage (cell sum)	384.00	Volts
Battery Cell Voltage Average	4000	mV
Battery Cell Voltage Minimum	3993	mV
HV Sensor A Pack Voltage	4.50	Volts
HV Battery Voltage (Module Sum)	383.80	Volts
HV Sensor G Weld Contactor(Pack Negative) Voltage	0.2	Volts
HV Sensor B Bus\Link (Pre-Fuse) Voltage	4.50	Volts
Battery Temperature Maximum Module	45	°F
HV Sensor C OBCM (HVOBC Fuse) Voltage	4.50	Volts
HV Sensor D Heater (HVHTR Fuse) Voltage	4.50	Volts
Battery Temperature Minimum Module	43	°F
HV Cooling Battery coolant inlet temp	46	°F
Battery Temperature Average Module	43	°F
HV Cooling Battery coolant outlet temp	45	°F

Isolation Vehicle Impedance	8.9000	Mega Ohms
HV Cooling OBCM temp inlet Temp	50	°F
HV Bat SOH-C	94.5	%
Isolation Battery Impedance	0.8480	Mega Ohms
BPCM Sec QA Error Counter	2	cnts
HV Bat SOH-R	94.9	%
Engine Speed	0	rpm
Accelerator position	7.5	%
BPCM Sec MM Hw Reset Error Counter	0	cnts
Real time clock	429496.7295	seconds
BPCM L2 SM Hw Reset Error Counter	0	No Unit
Real time clock-OS Task Delay Timer	0	
Original Odometer Value	766	miles
Most Recent Odometer Value	766	miles

HCP | P0642-00 | Active | Sensor Reference Voltage 1 Circuit Low-

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

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

OBCM Operating Mode	UTC	
J1772 Prox Detected State	Prox Out	
Commanded Inverter A State	Inverter Disabled	
Inverter Status Feedback	Inverter Faulted	
Motor A Phase U Over Voltage Fault VH - High-Side	False	
Motor A Phase U Under Voltage Fault VH - High-Side	False	
Motor A Phase U Over Voltage Fault VL - High-Side	False	
Motor A Phase U Under Voltage Fault VL - High-Side	False	
Motor A Phase U Over Voltage Fault VDD - High-Side	False	
Motor A Phase U Under Voltage Fault VDD - High-Side	False	
Motor A Phase U Over Voltage Fault VH - Low-Side	False	
Motor A Phase U Over Voltage Fault VL - Low-Side	False	
Motor A Phase U Under Voltage Fault VH - Low-Side	False	
Motor A Phase U Over Voltage Fault VDD - Low-Side	False	
Motor A Phase U Under Voltage Fault VL - Low-Side	False	
Motor A Phase U Under Voltage Fault VDD - Low-Side	False	
Motor A Phase U Comm Error High Voltage Regulator Fault - Low-Side	False	
Motor A Phase U Comm Error Low Voltage Regulator Fault - Low-Side	False	
Motor A Phase V Over Voltage Fault VH - High-Side	False	
Motor A Phase V Under Voltage Fault VH - High-Side	False	
Motor A Phase V Under Voltage Fault VL - High-Side	False	
Motor A Phase V Over Voltage Fault VL - High-Side	False	
Motor A Phase V Under Voltage Fault VDD - High-Side	False	
Motor A Phase V Over Voltage Fault VDD - High-SideSide	False	
Motor A Phase V Over Voltage Fault VL - Low-Side	False	
Motor A Phase V Under Voltage Fault VH - Low-Side	False	
Motor A Phase V Over Voltage Fault VH - Low-Side	False	
Motor A Phase V Under Voltage Fault VL - Low-Side	False	
Motor A Phase V Comm Error High Voltage Regulator Fault - Low-Side	False	
Motor A Phase V Under Voltage Fault VDD - Low-Side	False	
Motor A Phase V Comm Error Low Voltage Regulator Fault - Low-Side	False	
Motor A Phase W Over Voltage Fault VH - High-Side	False	
Motor A Phase V Over Voltage Fault VDD - Low-Side	False	
Motor A Phase W Under Voltage Fault VH - High-Side	False	
Motor A Phase W Over Voltage Fault VL - High-Side	False	
Motor A Phase W Cross Conduction Fault - High-Side	False	
Motor A Phase W Under Voltage Fault VL - High-Side	False	
Motor A Phase W Over Voltage Fault VDD - High-Side	False	
Motor A Phase W Under Voltage Fault VDD - High-Side	False	
Motor A Phase W Comm Error High Voltage Regulator Fault - High-Side	False	
Motor A Phase W Over Voltage Fault VH - Low-Side	False	
Motor A Phase W Over Voltage Fault VL - Low-Side	False	
Motor A Phase W Under Voltage Fault VL - Low-Side	False	
Motor A Phase W Under Voltage Fault VH - Low-Side	False	

Motor A Phase W Over Voltage Fault VDD - Low-Side	False	
Motor A Phase W Under Voltage Fault VDD - Low-Side	False	
Inverter A Status Feedback	Inverter Faulted	
Motor A Phase W Comm Error High Voltage Regulator Fault - Low-Side	False	
Ignition Cycle Counter	0	
Most Recent Odometer Value	771.1	miles
Original Odometer Value	771.1	miles
Frequency Counter	1	
RAM stamps keyOn	60	sec
Real time clock	9263134	sec
RAM Stamps	6205	Min
Engine Speed	0	rpm
Accelerator Pedal Position	0	%
HV Battery SOC	84	%
Vehicle Speed	0.0000	MPH
Barometric Pressure	15	PSI
Engine Coolant Temperature	48	°F
Actual Torque - Motor A	0.000	Ft-Lbs
Available Motor Torque - Motor A	6.822	Ft-Lbs
Inverter A Input DC Current	0.0	AMP
Motor A - Inverter Current - phase A	0	AMP
Electric Motor A Speed	0.0	rpm
Motor A - Inverter Current - phase B	-4	AMP
Motor A - Inverter Current - phase C	-4	AMP
Battery Feed Voltage 2 Sense	10.800	Volts
Battery Feed Voltage 3 Sense	10.800	Volts
Internal EPS Voltage Sense A	0.072	Volts
Motor A Resolver Supply Voltage Value	03FD	Volts
PIM DC Link Voltage - A	1	Volts
Passive Pump Coolant Temp In Sensor	52	°F
PIM DC Link Voltage - B	6	Volts
Internal EPS Voltage Sense B	0.000	Volts
Low Temp Active Pump Speed	0	rpm
Outside Air Temperature	53.6	°F
High Temp Aux Pump - Actual Speed	0	rpm
Battery Feed Voltage 1 Sense	10.728	Volts
Actual Torque - Motor B	0.000	Ft-Lbs
Available Motor Torque - Motor B	232.301	Ft-Lbs
Commanded Torque - Motor A	0.000	Ft-Lbs
Available Regen Torque - Motor A	-6.822	Ft-Lbs
Available Regen Torque - Motor B	-232.301	Ft-Lbs
Motor B - Inverter Current - phase A	-4	AMP
Commanded Torque - Motor B	0.000	Ft-Lbs
Motor B - Inverter Current - phase B	0	AMP

Motor B Resolver Angle	222	Degree
Motor B - Inverter Current - phase C	-4	AMP
Motor B Temp Sensor	50	°F
HV Battery Voltage from BPCM	180.00	Volts
Electric Motor B Speed	0.5	rpm
Inverter A IGBT Temperature for phase A	55	°F
Inverter A IGBT Temperature for phase C	57	°F
Inverter A IGBT Temperature for phase B	57	°F
Inverter B IGBT Temperature for phase A	57	°F
Inverter B IGBT Temperature for phase B	55	°F
Distance Travelled with Light ON	0	miles
Inverter B IGBT Temperature for phase C	55	°F
Motor B Torque	0.000	Ft-Lbs
Motor A Torque	0.000	Ft-Lbs
HV Battery Sleep Time	0	Days
GPS Date - Year	0	Year
GPS Date - Month	1	
GPS Date - Day	1	Days
UTC Time - Hours	0	Hours
UTC Time - Minutes	0	
ECU Time - Milliseconds	0	ms
UTC Time - Seconds	0	seconds

HCP | P06B1-00 | Active | Sensor Power Supply 1 Circuit Low-

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

Motor A Resolver to Digital Low Level Driver Faults	No fault	
Hybrid System State	SNA	
EPT LOC Diag Enable	Enable LOC Diagnostic	
CBC Wake-Up Input	Off	
HCP ePT Wake-Up Output	On	
HV Contactor Status	Open	
APM Status	Off	
OBCM Operating Mode	UTC	
HCP System Shutdown Command	Default	
Motor B Resolver Offset Learn Erase	not requested	
J1772 Prox Detected State	Prox Out	
Impact Event	False	
Frequency Counter	1	
Most Recent Odometer Value	771.1	miles
Ignition Cycle Counter	0	
Original Odometer Value	771.1	miles
Accelerator Pedal Position	0	%
RAM stamps keyOn	60	sec
RAM Stamps	6205	Min
Engine Speed	0	rpm
Real time clock	9263134	sec
Motor A Temp Sensor	52	°F
Barometric Pressure	15	PSI
Engine Coolant Temperature	48	°F
Motor A Resolver Angle Offset	2.00	Degree
Vehicle Speed	0.0000	MPH
Motor B Resolver Angle Offset	3.60	Degree
Motor B Temp Sensor	50	°F
Motor B Resolver Supply Voltage Value	15.75	Volts
Available Regen Torque - Motor A	0.000	Ft-Lbs
Internal EPS Voltage Sense B	0.000	Volts
Motor A Resolver Supply Voltage Value	03FD	Volts
Internal EPS Voltage Sense A	0.072	Volts
Actual Torque - Motor B	0.000	Ft-Lbs
Available Motor Torque - Motor B	232.301	Ft-Lbs
Battery Feed Voltage 2 Sense	10.800	Volts
Available Regen Torque - Motor B	-232.301	Ft-Lbs
Commanded Torque - Motor B	0.000	Ft-Lbs
Electric Motor B Speed	0.5	rpm
Available Motor Torque - Motor A	0.000	Ft-Lbs
HV Battery SOC	84	%
Electric Motor A Speed	0.0	rpm
Commanded Torque - Motor A	0.000	Ft-Lbs
Actual Torque - Motor A	0.000	Ft-Lbs

Motor B - Inverter Current - phase A	-4	AMP
Battery Feed Voltage 1 Sense	10.728	Volts
Motor B - Inverter Current - phase C	-4	AMP
Motor A - Inverter Current - phase B	-4	AMP
Battery Feed Voltage 3 Sense	10.800	Volts
Motor A - Inverter Current - phase A	-4	AMP
Outside Air Temperature	53.6	°F
Inverter B IGBT Temperature for phase B	57	°F
Motor B - Inverter Current - phase B	-4	AMP
Inverter A IGBT Temperature for phase B	57	°F
HV Battery Voltage from BPCM	180.00	Volts
Motor A - Inverter Current - phase C	-4	AMP
Inverter B IGBT Temperature for phase A	57	°F
Inverter A IGBT Temperature for phase A	55	°F
PIM DC Link Voltage - A	1	Volts
PIM DC Link Voltage - B	6	Volts
HV Battery Sleep Time	0	Days
UTC Time - Minutes	0	
Inverter B IGBT Temperature for phase C	55	°F
GPS Date - Year	0	Year
Motor A Torque	0.000	Ft-Lbs
Motor B Torque	0.000	Ft-Lbs
Distance Travelled with Light ON	0	miles
ECU Time - Milliseconds	0	ms
GPS Date - Month	1	
Inverter A IGBT Temperature for phase C	57	°F
UTC Time - Hours	0	Hours
GPS Date - Day	1	Days
UTC Time - Seconds	0	seconds

HCP | P0A78-00 | Active | Drive Motor A Inverter Performance-

NAME	VALUE	UNITS
DTC	0A 78 00	
Test Failed	True	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Confirmed DTC	True	
Test Failed Since Last Clear	True	
Test Not Completed Since Last Clear	False	
Warning Indicator Requested	True	
Test Not Completed This Operation Cycle	False	
Occurrence flag	Occurrence	
PHEV Charging Status	No Charging	
Brake Switch Status	Not Applied	

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

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

Motor A Phase V Under Voltage Fault VDD - Low-Side	False	
Motor A Phase V Comm Error High Voltage Regulator Fault - Low-Side	False	
Motor A Phase V Comm Error Low Voltage Regulator Fault - Low-Side	False	
Motor A Phase W Cross Conduction Fault - High-Side	False	
Motor A Phase W Over Voltage Fault VH - High-Side	False	
Motor A Phase W Under Voltage Fault VH - High-Side	False	
Motor A Phase W Over Voltage Fault VL - High-Side	False	
Motor A Phase W Over Voltage Fault VDD - High-Side	False	
Motor A Phase W Under Voltage Fault VDD - High-Side	False	
Motor A Phase W Under Voltage Fault VL - High-Side	False	
Motor A Phase W Comm Error High Voltage Regulator Fault - High-Side	False	
Motor A Phase W Over Voltage Fault VH - Low-Side	False	
Motor A Phase W Under Voltage Fault VH - Low-Side	False	
Motor A Phase W Under Voltage Fault VL - Low-Side	False	
Motor A Phase W Over Voltage Fault VL - Low-Side	False	
Motor A Phase W Over Voltage Fault VDD - Low-Side	False	
Motor A Phase W Under Voltage Fault VDD - Low-Side	False	
Motor A Phase W Comm Error High Voltage Regulator Fault - Low-Side	False	
Inverter A Status Feedback	Inverter Faulted	
Original Odometer Value	771.1	miles
Most Recent Odometer Value	771.1	miles
Real time clock	9263134	sec
Ignition Cycle Counter	0	
RAM Stamps	6205	Min
Frequency Counter	1	
RAM stamps keyOn	60	sec
Engine Speed	0	rpm
Accelerator Pedal Position	0	%
HV Battery SOC	84	%
Vehicle Speed	0.0000	MPH
Available Motor Torque - Motor A	0.000	Ft-Lbs
Engine Coolant Temperature	48	°F
Barometric Pressure	15	PSI
Actual Torque - Motor A	0.000	Ft-Lbs
Motor A - Inverter Current - phase A	0	AMP
Electric Motor A Speed	0.0	rpm
Inverter A Input DC Current	0.0	AMP
Motor A - Inverter Current - phase B	-4	AMP
Battery Feed Voltage 2 Sense	10.800	Volts
Motor A Resolver Supply Voltage Value	03FD	Volts
Motor A - Inverter Current - phase C	-4	AMP
Battery Feed Voltage 3 Sense	10.800	Volts
Internal EPS Voltage Sense B	0.000	Volts
Internal EPS Voltage Sense A	0.072	Volts

PIM DC Link Voltage - A	1	Volts
Passive Pump Coolant Temp In Sensor	54	°F
Low Temp Active Pump Speed	0	rpm
PIM DC Link Voltage - B	6	Volts
High Temp Aux Pump - Actual Speed	0	rpm
Outside Air Temperature	53.6	°F
Battery Feed Voltage 1 Sense	10.728	Volts
Actual Torque - Motor B	0.000	Ft-Lbs
Available Motor Torque - Motor B	232.301	Ft-Lbs
Available Regen Torque - Motor A	0.000	Ft-Lbs
Available Regen Torque - Motor B	-232.301	Ft-Lbs
Commanded Torque - Motor A	0.000	Ft-Lbs
Motor B - Inverter Current - phase A	-4	AMP
Commanded Torque - Motor B	0.000	Ft-Lbs
Motor B - Inverter Current - phase B	-4	AMP
Motor B Resolver Angle	222	Degree
Motor B - Inverter Current - phase C	0	AMP
Motor B Temp Sensor	50	°F
HV Battery Voltage from BPCM	180.00	Volts
Inverter A IGBT Temperature for phase A	55	°F
Electric Motor B Speed	0.5	rpm
Inverter A IGBT Temperature for phase C	57	°F
Inverter B IGBT Temperature for phase A	57	°F
Inverter B IGBT Temperature for phase C	55	°F
Inverter B IGBT Temperature for phase B	55	°F
Inverter A IGBT Temperature for phase B	57	°F
Distance Travelled with Light ON	0	miles
Motor A Torque	0.000	Ft-Lbs
Motor B Torque	0.000	Ft-Lbs
HV Battery Sleep Time	0	Days
UTC Time - Hours	0	Hours
GPS Date - Day	1	Days
GPS Date - Month	1	
GPS Date - Year	0	Year
UTC Time - Seconds	0	seconds
UTC Time - Minutes	0	
ECU Time - Milliseconds	0	ms

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

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

Test Failed This Operation Cycle	True	
Warning Indicator Requested	True	
Test Failed Since Last Clear	True	
Occurrence flag	Occurrence	
Pending DTC	True	
DTC Extended Data Record Number	05	
Test Not Completed This Operation Cycle	False	
Brake Switch Status	Not Applied	
PHEV Charging Status	No Charging	
Ignition State	Reserved	
PRND Position Display	P	
Propulsion System Active	False	
Main Processor Reset Source - Core 0	Controller Specific Exceptions	
Main Processor Reset Source - Core 1	Power Up	
Cumulative NVM CRC Status	Passed	
MCPInit EEPROM CRC Status	Passed	
Expendable NVM CRC Status	Passed	
Non Volatile RAM CRC Status	Passed	
BSW EEPROM CRC Status	Passed	
MCPB - MCPA SPI CRC Error Count	00	
HCP - MCPA SPI CRC Error Count	00	
Static NVM CRC Status	Passed	
MCPB - MCPA SPI ARC Error Count	00	
HCP - MCPA SPI ARC Error Count	00	
MemShare ARC Error Count- Core 0	00	
MemShare CRC Error Count- Core 1	FF	
MemShare ARC Error Count- Core 1	04	
Main Analog-to-Digital Converter Fault	False	
MCPUninit EEPROM CRC Status	Passed	
External Watchdog Fault	False	
Adaptable NVM CRC Status	Passed	
Main Clock Fault	False	
MAIN Detected SPI Fault	False	
Main Stack Fault	False	
Preserved NVM CRC Status	Passed	
MemShare CRC Error Count- Core 0	02	
MainTPU_Flt	False	
MAIN ALU Fault	False	
Main Detected Seed Received In Wrong Order	False	
Hybrid System State	SNA	
HCP ePT Wake-Up Output	On	
CBC Wake-Up Input	Off	
EPT LOC Diag Enable	Enable LOC Diagnostic	
HV Contactor Status	Open	

Impact Event	False	
HCP System Shutdown Command	Default	
APM Status	Off	
OBCM Operating Mode	UTC	
J1772 Prox Detected State	Prox Out	
Frequency Counter	1	
Original Odometer Value	771.1	miles
Most Recent Odometer Value	771.1	miles
RAM Stamps	6205	Min
Accelerator Pedal Position	0	%
Real time clock	9263132	sec
Ignition Cycle Counter	0	
Engine Speed	0	rpm
RAM stamps keyOn	60	sec
Battery Feed Voltage 2 Sense	10.800	Volts
Internal EPS Voltage Sense B	0.000	Volts
Engine Coolant Temperature	48	°F
HV Battery SOC	84	%
Vehicle Speed	0.0000	MPH
Barometric Pressure	15	PSI
Internal EPS Voltage Sense A	0.072	Volts
Available Regen Torque - Motor B	-232.301	Ft-Lbs
Actual Torque - Motor B	0.000	Ft-Lbs
Available Regen Torque - Motor A	0.000	Ft-Lbs
Battery Feed Voltage 3 Sense	10.800	Volts
Commanded Torque - Motor A	0.000	Ft-Lbs
Commanded Torque - Motor B	0.000	Ft-Lbs
Available Motor Torque - Motor B	232.301	Ft-Lbs
Motor A - Inverter Current - phase B	-4	AMP
Battery Feed Voltage 1 Sense	10.728	Volts
Actual Torque - Motor A	0.000	Ft-Lbs
Available Motor Torque - Motor A	0.000	Ft-Lbs
Motor A - Inverter Current - phase A	0	AMP
Motor B Temp Sensor	50	°F
Motor A - Inverter Current - phase C	-4	AMP
Motor B - Inverter Current - phase C	0	AMP
Motor A Temp Sensor	52	°F
Electric Motor A Speed	0.0	rpm
Motor B - Inverter Current - phase A	-4	AMP
Motor B Resolver Angle	222	Degree
Outside Air Temperature	53.6	°F
PIM DC Link Voltage - A	1	Volts
Inverter A IGBT Temperature for phase B	32	°F
Motor B - Inverter Current - phase B	-4	AMP

Motor A Resolver Angle	196	Degree
Inverter A IGBT Temperature for phase C	32	°F
HV Battery Voltage from BPCM	180.00	Volts
Inverter B IGBT Temperature for phase A	32	°F
PIM DC Link Voltage - B	6	Volts
Inverter A IGBT Temperature for phase A	32	°F
Inverter B IGBT Temperature for phase B	32	°F
Inverter B IGBT Temperature for phase C	32	°F
Electric Motor B Speed	0.5	rpm
Distance Travelled with Light ON	0	miles
UTC Time - Hours	0	Hours
GPS Date - Year	0	Year
Motor A Torque	0.000	Ft-Lbs
GPS Date - Day	1	Days
Motor B Torque	0.000	Ft-Lbs
HV Battery Sleep Time	0	Days
UTC Time - Minutes	0	
GPS Date - Month	1	
ECU Time - Milliseconds	0	ms
UTC Time - Seconds	0	seconds

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

NAME	VALUE	UNITS
DTC	1A EC 00	
Test Failed	True	
Pending DTC	True	
Test Failed This Operation Cycle	True	
Confirmed DTC	False	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
Occurrence flag		
Brake Switch Status		
PHEV Charging Status		
Ignition State		
PRND Position Display		
Propulsion System Active		
Motor A Phase U Short Fault - High-Side		
Motor A Phase U Cross Conduction Fault - High-Side		
Motor A Phase U Thermal Warning Fault - High-Side		
Motor A Phase U Thermal Shutdown Fault - High-Side		
Motor A Phase U Comm Error High Voltage Regulator Fault - High-Side		
Motor A Phase U Comm Error Low Voltage Regulator Fault - High-Side		

Motor A Phase U Over Current Fault - High-Side		
Motor A Phase U SPI Error Fault - High-Side		
Motor A Phase U Short Fault - Low-Side		
Motor A Phase U Hardware Error Fault - High-Side		
Motor A Phase U Cross Conduction Fault - Low-Side		
Motor A Phase U Thermal Warning Fault - Low-Side		
Motor A Phase U Over Current Fault - Low-Side		
Motor A Phase U SPI Error Fault - Low-Side		
Motor A Phase U Hardware Error Fault - Low-Side		
Motor A Phase V Short Fault - High-Side		
Motor A Phase U Thermal Shutdown Fault - Low-Side		
Motor A Phase V Cross Conduction Fault - High-Side		
Motor A Phase V Over Current Fault - High-Side		
Motor A Phase V Comm Error Low Voltage Regulator Fault - High-Side		
Motor A Phase V Thermal Shutdown Fault - High-Side		
Motor A Phase V Comm Error High Voltage Regulator Fault - High-Side		
Motor A Phase V Thermal Warning Fault - High-Side		
Motor A Phase V Hardware Error Fault - High-Side		
Motor A Phase V SPI Error Fault - High-Side		
Motor A Phase V Short Fault - Low-Side		
Motor A Phase V Over Current Fault - Low-Side		
Motor A Phase V Cross Conduction Fault - Low-Side		
Motor A Phase V Thermal Warning Fault - Low-Side		
Motor A Phase V SPI Error Fault - Low-Side		
Motor A Phase V Hardware Error Fault - Low-Side		
Motor A Phase V Thermal Shutdown Fault - Low-Side		
Motor A Phase W Short Fault - High-Side		
Motor A Phase W Thermal Warning Fault - High-Side		
Motor A Phase W Over Current Fault - High-Side		
Motor A Phase W Thermal Shutdown Fault - High-Side		
Motor A Phase W Comm Error Low Voltage Regulator Fault - High-Side		
Motor A Phase W Short Fault - Low-Side		
Motor A Phase W Hardware Error Fault - High-Side		
Motor A Phase W Cross Conduction Fault - Low-Side		
Motor A Phase W Thermal Warning Fault - Low-Side		
Motor A Phase W Over Current Fault - Low-Side		
Motor A Phase W Thermal Shutdown Fault - Low-Side		
Motor A Phase W Comm Error Low Voltage Regulator Fault - Low-Side		
Motor A Phase W SPI Error Fault - Low-Side		
Motor A Phase W Hardware Error Fault - Low-Side		
Motor A Phase W SPI Error Fault - High-Side		
Hybrid System State		
HV Contactor Status		
Inverter B Status Feedback		

HCP ePT Wake-Up Output		
CBC Wake-Up Input		
EPT LOC Diag Enable		
APM Status		
Impact Event		
HCP System Shutdown Command		
OBCM Operating Mode		
J1772 Prox Detected State		
Commanded Inverter A State		
Motor A Phase U Over Voltage Fault VH - High-Side		
Inverter Status Feedback		
Motor A Phase U Under Voltage Fault VH - High-Side		
Motor A Phase U Under Voltage Fault VL - High-Side		
Motor A Phase U Over Voltage Fault VL - High-Side		
Motor A Phase U Over Voltage Fault VH - Low-Side		
Motor A Phase U Under Voltage Fault VDD - High-Side		
Motor A Phase U Under Voltage Fault VH - Low-Side		
Motor A Phase U Over Voltage Fault VDD - High-Side		
Motor A Phase U Under Voltage Fault VL - Low-Side		
Motor A Phase U Over Voltage Fault VL - Low-Side		
Motor A Phase U Over Voltage Fault VDD - Low-Side		
Motor A Phase U Under Voltage Fault VDD - Low-Side		
Motor A Phase U Comm Error Low Voltage Regulator Fault - Low-Side		
Motor A Phase U Comm Error High Voltage Regulator Fault - Low-Side		
Motor A Phase V Over Voltage Fault VH - High-Side		
Motor A Phase V Under Voltage Fault VH - High-Side		
Motor A Phase V Over Voltage Fault VL - High-Side		
Motor A Phase V Under Voltage Fault VL - High-Side		
Motor A Phase V Over Voltage Fault VDD - High-SideSide		
Motor A Phase V Under Voltage Fault VDD - High-Side		
Motor A Phase V Over Voltage Fault VH - Low-Side		
Motor A Phase V Under Voltage Fault VH - Low-Side		
Motor A Phase V Over Voltage Fault VL - Low-Side		
Motor A Phase V Under Voltage Fault VL - Low-Side		
Motor A Phase V Under Voltage Fault VDD - Low-Side		
Motor A Phase V Comm Error Low Voltage Regulator Fault - Low-Side		
Motor A Phase V Over Voltage Fault VDD - Low-Side		
Motor A Phase W Cross Conduction Fault - High-Side		
Motor A Phase W Over Voltage Fault VH - High-Side		
Motor A Phase W Under Voltage Fault VH - High-Side		
Motor A Phase V Comm Error High Voltage Regulator Fault - Low-Side		
Motor A Phase W Over Voltage Fault VL - High-Side		
Motor A Phase W Over Voltage Fault VDD - High-Side		
Motor A Phase W Under Voltage Fault VL - High-Side		

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

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

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

NAME	VALUE	UNITS
DTC	1A EE 00	
Test Failed	True	
Pending DTC	True	
Test Failed This Operation Cycle	True	
Test Not Completed Since Last Clear	False	
Confirmed DTC	True	
Test Not Completed This Operation Cycle	False	
Occurrence flag	Occurrence	
Test Failed Since Last Clear	True	
Warning Indicator Requested	True	
PHEV Charging Status	No Charging	
Brake Switch Status	Not Applied	
Ignition State	Reserved	

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

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

Motor A Phase V Under Voltage Fault VDD - Low-Side	False	
Motor A Phase V Comm Error Low Voltage Regulator Fault - Low-Side	False	
Motor A Phase W Cross Conduction Fault - High-Side	False	
Motor A Phase W Over Voltage Fault VH - High-Side	False	
Motor A Phase W Over Voltage Fault VL - High-Side	False	
Motor A Phase W Under Voltage Fault VH - High-Side	False	
Motor A Phase W Over Voltage Fault VDD - High-Side	False	
Motor A Phase W Under Voltage Fault VDD - High-Side	False	
Motor A Phase W Comm Error High Voltage Regulator Fault - High-Side	False	
Motor A Phase W Over Voltage Fault VH - Low-Side	False	
Motor A Phase W Under Voltage Fault VH - Low-Side	False	
Motor A Phase W Over Voltage Fault VL - Low-Side	False	
Motor A Phase W Under Voltage Fault VL - Low-Side	False	
Motor A Phase W Under Voltage Fault VDD - Low-Side	False	
Motor A Phase W Under Voltage Fault VL - High-Side	False	
Motor A Phase W Over Voltage Fault VDD - Low-Side	False	
Motor A Phase W Comm Error High Voltage Regulator Fault - Low-Side	False	
Inverter A Status Feedback	Inverter Faulted	
Original Odometer Value	771.1	miles
Most Recent Odometer Value	771.1	miles
Ignition Cycle Counter	0	
Frequency Counter	1	
Real time clock	9263134	sec
RAM Stamps	6205	Min
Accelerator Pedal Position	0	%
Engine Speed	0	rpm
RAM stamps keyOn	60	sec
HV Battery SOC	84	%
Vehicle Speed	0.0000	MPH
Engine Coolant Temperature	48	°F
Barometric Pressure	15	PSI
Actual Torque - Motor A	0.000	Ft-Lbs
Available Motor Torque - Motor A	0.000	Ft-Lbs
Inverter A Input DC Current	0.0	AMP
Motor A - Inverter Current - phase A	0	AMP
Electric Motor A Speed	0.0	rpm
Motor A - Inverter Current - phase B	-4	AMP
Motor A - Inverter Current - phase C	-4	AMP
Motor A Resolver Supply Voltage Value	03FD	Volts
Internal EPS Voltage Sense B	0.000	Volts
Battery Feed Voltage 3 Sense	10.800	Volts
Battery Feed Voltage 2 Sense	10.800	Volts
PIM DC Link Voltage - A	1	Volts
Internal EPS Voltage Sense A	0.000	Volts

PIM DC Link Voltage - B	6	Volts
Passive Pump Coolant Temp In Sensor	54	°F
Outside Air Temperature	53.6	°F
Low Temp Active Pump Speed	0	rpm
High Temp Aux Pump - Actual Speed	0	rpm
Actual Torque - Motor B	0.000	Ft-Lbs
Battery Feed Voltage 1 Sense	10.728	Volts
Available Motor Torque - Motor B	232.301	Ft-Lbs
Available Regen Torque - Motor B	-232.301	Ft-Lbs
Commanded Torque - Motor A	0.000	Ft-Lbs
Available Regen Torque - Motor A	0.000	Ft-Lbs
Motor B - Inverter Current - phase A	-4	AMP
Motor B - Inverter Current - phase C	-4	AMP
Motor B - Inverter Current - phase B	0	AMP
Commanded Torque - Motor B	0.000	Ft-Lbs
Motor B Resolver Angle	222	Degree
Motor B Temp Sensor	50	°F
HV Battery Voltage from BPCM	180.00	Volts
Inverter A IGBT Temperature for phase A	55	°F
Electric Motor B Speed	0.0	rpm
Inverter A IGBT Temperature for phase C	57	°F
Inverter A IGBT Temperature for phase B	57	°F
Inverter B IGBT Temperature for phase C	55	°F
Inverter B IGBT Temperature for phase A	57	°F
Distance Travelled with Light ON	0	miles
Inverter B IGBT Temperature for phase B	55	°F
Motor A Torque	0.000	Ft-Lbs
Motor B Torque	0.000	Ft-Lbs
GPS Date - Year	0	Year
GPS Date - Day	1	Days
HV Battery Sleep Time	0	Days
UTC Time - Hours	0	Hours
GPS Date - Month	1	
UTC Time - Minutes	0	
ECU Time - Milliseconds	0	ms
UTC Time - Seconds	0	seconds

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

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

Confirmed DTC	False	
Test Not Completed This Operation Cycle	False	
Occurrence flag		
Warning Indicator Requested	False	
Brake Switch Status		
PHEV Charging Status		
Test Failed This Operation Cycle	True	
Ignition State		
PRND Position Display		
Propulsion System Active		
Thermal System Enable State		
High Temperature Shut-Off Valve Status		
Front Refrigerant Shut-Off Valve Status		
Chiller Shut-Off Valve Status		
Hybrid System State		
EPT LOC Diag Enable		
HV Contactor Status		
CBC Wake-Up Input		
HCP System Shutdown Command		
APM Status		
OBCM Operating Mode		
Impact Event		
J1772 Prox Detected State		
Real time clock		sec
Ignition Cycle Counter		
Most Recent Odometer Value		miles
RAM Stamps		Min
RAM stamps keyOn		sec
Engine Speed		rpm
Original Odometer Value		miles
HV Battery SOC		%
Accelerator Pedal Position		%
Frequency Counter		
Barometric Pressure		PSI
Engine Coolant Temperature		°F
Heater Core Coolant Temp Sensor		°F
Passive Pump Coolant Temp In Sensor		°F
Outside Air Temperature		°F
Motor A Temp Sensor		°F
Vehicle Speed		MPH
Electric Coolant Heater Temp Sensor		°F
A/C Refrigerant Pressure		PSI
Low Temp Passive Pump - Temperature		°F
HV Coolant Heater - Measured Coolant Outlet Temp		°F

Motor B Temp Sensor		°F
Radiator Fan Duty Cycle		%
EAC Compressor Speed		rpm
High Temp Cabin Valve Feedback		degrees
Internal EPS Voltage Sense A		Volts
Internal EPS Voltage Sense B		Volts
Battery Feed Voltage 3 Sense		Volts
Low Temp Active Pump - Temperature		°F
Battery Feed Voltage 2 Sense		Volts
HV Coolant Heater - Measured Coolant Inlet Temp		°F
Actual Torque - Motor B		Ft-Lbs
Available Regen Torque - Motor A		Ft-Lbs
Battery Feed Voltage 1 Sense		Volts
Motor A - Inverter Current - phase B		AMP
Available Regen Torque - Motor B		Ft-Lbs
Available Motor Torque - Motor B		Ft-Lbs
Motor B - Inverter Current - phase C		AMP
Motor B Resolver Angle		Degree
Motor B - Inverter Current - phase A		AMP
Commanded Torque - Motor B		Ft-Lbs
Available Motor Torque - Motor A		Ft-Lbs
Commanded Torque - Motor A		Ft-Lbs
Motor A - Inverter Current - phase C		AMP
Motor B - Inverter Current - phase B		AMP
Inverter A IGBT Temperature for phase B		°F
Motor A Resolver Angle		Degree
Motor A - Inverter Current - phase A		AMP
HV Battery Voltage from BPCM		Volts
Inverter A IGBT Temperature for phase A		°F
PIM DC Link Voltage - B		Volts
Inverter B IGBT Temperature for phase B		°F
Inverter A IGBT Temperature for phase C		°F
Electric Motor B Speed		rpm
Electric Motor A Speed		rpm
Inverter B IGBT Temperature for phase A		°F
PIM DC Link Voltage - A		Volts
GPS Date - Month		
GPS Date - Day		Days
UTC Time - Seconds		seconds
Distance Travelled with Light ON		miles
Motor B Torque		Ft-Lbs
GPS Date - Year		Year
Motor A Torque		Ft-Lbs
UTC Time - Minutes		

HV Battery Sleep Time		Days
ECU Time - Milliseconds		ms
Inverter B IGBT Temperature for phase C		°F
UTC Time - Hours		Hours

SNAPSHOT DATA SUMMARY

No Snapshot Data available for P1AE2-00

No Snapshot Data available for P0A95-00

No Snapshot Data available for P0AA4-00

No Snapshot Data available for P0642-00

No Snapshot Data available for P06B1-00

No Snapshot Data available for P0A78-00

No Snapshot Data available for P16F9-00

No Snapshot Data available for P1AEC-00

No Snapshot Data available for P1AEE-00

No Snapshot Data available for U0623-00

KSGAZ000 SGAZ V1.01 MOPAR PARTS APPLICATIONS 2020/12/10 DBLH
CMD : ____ STAR EXCHANGE ACCESS SCREEN 13:04:49
PAGE 1

COMMAND: _ (A-dd C-hange D-elete)

SEL	DEALER	PART	VIN	LAST UPDATED	TID
_	05002000	68307396AG	2C4RC1N74	2020-11-25	
_	24237000	68307396AH	2C4RC1N75	2020-11-02	
_	26550000	68312980AA	3C3CFFGE3	2020-10-12	
_	26914000	68488189AA	2C4RC1N75	2020-10-21	
_	36277000	68381781AD	2C4RC1N72	2020-11-25	
_	43939000	68347098AB	3C6UR5DJ7	2020-11-13	
_	60337000	68429967AD	2C4RC1N79	2020-12-07	
_	60337000	68307396AJ	2C4RC1N79	2020-12-10	

```
KSGAZ000  SGAZ V1.01     MOPAR PARTS APPLICATIONS          2021/01/04  DEAW
CMD     : _____          STAR EXCHANGE ACCESS SCREEN       14:48:55    T8177J1
                                                           PAGE          1

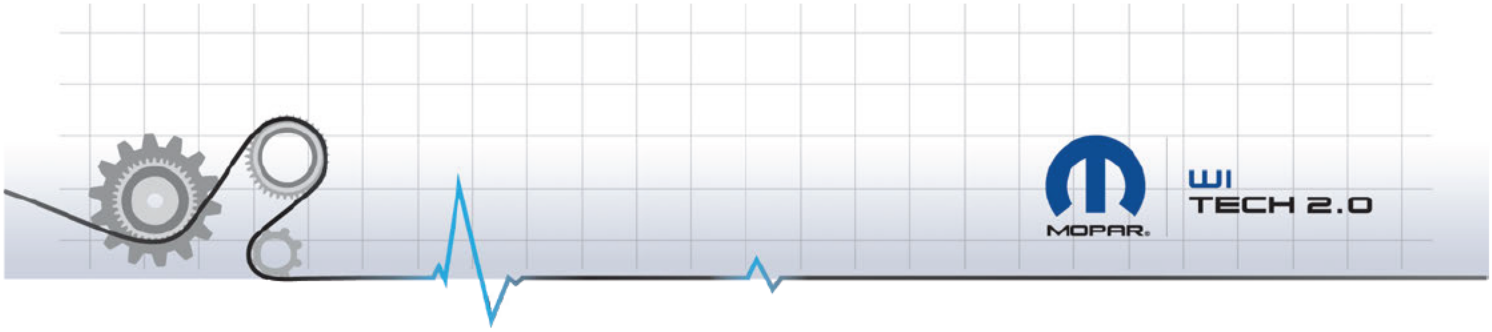

     COMMAND: _     (A-dd C-hange D-elete)

SEL  DEALER    PART         VIN                    LAST              TID
                                                   UPDATED

 _   05002000  68307396AG   2C4RC1N7               2020-11-25
 _   24237000  68307396AH   2C4RC1N7               2020-11-02
 _   26550000  68312980AA   3C3CFFGE               2020-10-12
 _   26914000  68488189AA   2C4RC1N7               2020-10-21
 _   27097000  68307396AH   2C4RC1N7               2021-01-04
 _   36277000  68381781AD   2C4RC1N7               2020-11-25
 _   43939000  68347098AB   3C6UR5DJ               2020-11-13
 _   60071000  68307396AH   2C4RC1N7               2021-01-04
 _   60337000  68429967AD   2C4RC1N7               2020-12-07
 _   60337000  68307396AH   2C4RC1N7               2021-01-04

F1 = HELP   F2 =         F3 = EXIT     F4 =          F5 =          F6 =
F7 = PG DWN F8 = PG UP   F9 =          F10=          F11=          F12=
Please enter key fields
```





VEHICLE SCAN REPORT

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

Odometer 1241.3 km
Publication Date Mar 4, 2021, 7:10:53 AM

ECU SUMMARY INFO

ECU	NAME	BUS TYPE	FLASH PART #	CURRENT [redacted]	ORIGINAL [redacted]	PART #
PCM	Powertrain Control Module	CAN-C	68444228AE	2C4RC1N	2C4RC1N	68444228AE
ICS	Integrated Center Stack	CAN-I	6UX621X8AA	2C4RC1N	2C4RC1N	6UX621X8AA
RFH	Radio Frequency Hub	CAN-C	68453559AB	2C4RC1N	2C4RC1N	68453559AB
ESM	Electronic Shifter	CAN-C	68240089AM	2C4RC1N	2C4RC1N	68240089AM
ORC	Occupant Restraint	CAN-C	68453076AD	2C4RC1N	2C4RC1N	68453076AD
EPS	Electric Power Steering	CAN-C	68460392AA	2C4RC1N	2C4RC1N	68460392AA
HVAC	Heat, Ventilation and A/C	CAN-I	68447893AC	2C4RC1N	2C4RC1N	68447893AC
DDM	Driver Door Module	CAN-I	68424449AC	2C4RC1N	2C4RC1N	68424449AC
PDM	Passenger Door Module	CAN-I	68424448AC	2C4RC1N	2C4RC1N	68424448AC
DMRL	Door Module Rear Left	CAN-I	68225096AG	2C4RC1N	2C4RC1N	68225096AG
DMRR	Door Module Rear Right	CAN-I	68225096AG	2C4RC1N	2C4RC1N	68225096AG
PSDML	Power Sliding Doors (Left)	CAN-I	68369596AD	2C4RC1N	2C4RC1N	68369596AD
PSDMR	Power Sliding Doors (Right)	CAN-I	68369596AD	2C4RC1N	2C4RC1N	68369596AD
MSM	Memory Seat Module	CAN-I	68321862AC	2C4RC1N	2C4RC1N	68321862AC
PLGM	Power Liftgate	CAN-I	68316094AF	2C4RC1N	2C4RC1N	68316094AF
CSWM	Comfort Seat Wheel Module	CAN-I	68434912AC	2C4RC1N	2C4RC1N	68434912AC
AMP	Amplifier	CAN-I	68448067AA	2C4RC1N	2C4RC1N	68448067AA
IPC	Instrument Panel Cluster	CAN-C	68434956AC	2C4RC1N	2C4RC1N	68434956AC
PTS	Parktronics	CAN-C	68193775AJ	2C4RC1N	2C4RC1N	68193775AJ
SCCM	Steering Column Control Module	CAN-C	68360889AD	2C4RC1N	2C4RC1N	68360889AD
BCM	Body Controller	CAN-C	68424601AE	2C4RC1N	2C4RC1N	68424601AE

ACC	Adaptive Cruise Control	CAN-C	68417813AF	2C4RC1N	[redacted]	2C4RC1N	68417813AF
RADIO	Radio	CAN-I	68461768AD	2C4RC1	[redacted]	2C4RC1N	68461768AD
OCM	Occupant Classification	CAN-C	68403127AA	2C4RC1N	[redacted]	2C4RC1N	68403127AA
HVACR	Heat, Ventilation and A/C Rear	CAN-I	68373079AB	2C4RC1N	[redacted]	2C4RC1N	68373079AB
LBSS	Left Blind Spot Sensor	CAN-I	04672786AB	2C4RC1N	[redacted]	2C4RC1N	04672786AB
RBSS	Right Blind Spot Sensor	CAN-I	04672786AB	2C4RC1N	[redacted]	2C4RC1N	04672786AB
FFCM	Forward Facing Camera Module	CAN-C	68493395AA	2C4RC1N	[redacted]	2C4RC1N	68493395AA
EDM	External Disc Module	CAN-I	68378304AB	2C4RC1N	[redacted]	2C4RC1N	68378304AB
APM	Accessory Power Module	CAN-C	05185046AB	2C4RC1N	[redacted]	2C4RC1N	05185046AB
BPCM	Battery Pack Control Module	CAN-C	68487194AA	2C4RC1N	[redacted]	2C4RC1N	68487194AA
HCP	Hybrid Control Processor	CAN-C	05190265AF	2C4RC1N	[redacted]	2C4RC1N	05190265AF
OBCM	On Board Charging Module	CAN-C	05185047AE	2C4RC1N	[redacted]	2C4RC1N	05185047AE
MSMP	Memory Seat Module - Passenger	CAN-I	68321862AC	2C4RC1N	[redacted]	2C4RC1N	68321862AC
DSM	Display Screen Module	CAN-I	68316174AC	2C4RC1N	[redacted]	2C4RC1N	68316174AC
VRM	Video Routing Module	CAN-I	68376134AG	2C4RC1N	[redacted]	2C4RC1N	68376134AG
RCCC	Rear Cabin Comfort Controls	CAN-I	6WL30PD2AA	2C4RC1N	[redacted]	2C4RC1N	6WL30PD2AA
CVPM	Central vision processing module	CAN-I	68375113AB	2C4RC1N	[redacted]	2C4RC1N	68375113AB
EAC	Electric A/C Compressor	CAN-C	68237995AG	2C4RC1N	[redacted]	2C4RC1N	68237995AG
AHCP	Auxiliary Hybrid Control Processor	CAN-C	05190266AF	2C4RC1N	[redacted]	2C4RC1N	05190266AF
EBBM	Electronic Brake Booster Module	CAN-C	68461813AB	2C4RC1N	[redacted]	2C4RC1N	68461813AB
ABSO	Anti Lock Brakes OBD	CAN-C	68471122AD	2C4RC1N	[redacted]	2C4RC1N	68471122AD
SGW	Security Gateway Module	CAN-C	68447193AB		[redacted]	2C4RC1N	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	13 12 00	4005	D3037C3A
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
ACC	C2225-00	PCM Disabled ECU-	Active
HCP	U0412-00	Invalid Data Received From Battery Energy Control Module "A"-	Active
HCP	U0623-00	Lost Communication with Coolant Pump "A"-	Active

HCP	U209E-00		Active
OBCM	U209E-00	OBCM Received Implausible Data from BPCM-	Active

ENVIRONMENTAL DATA SUMMARY

ACC | C2225-00 | Active | PCM Disabled ECU-

NAME	VALUE	UNITS
Pending DTC	False	
Test Failed	True	
Test Failed This Operation Cycle	True	
Confirmed DTC	False	
Test Failed Since Last Clear	True	
Test Not Completed Since Last Clear	False	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	True	
Occurrence flag		
PRNDL Status		
Most Recent Odometer Value		km
Vehicle Speed		km/hr
Frequency Counter		
Object of Interest Distance		Meters
Engine RPM		rpm
Operation Cycle Counter		
Ignition Voltage		
System Voltage		Volts
ACC Set Speed		km/hr
Engine Torque Request		N*m
Original Odometer Value		km

HCP | U0412-00 | Active | Invalid Data Received From Battery Energy Control Module "A"-

NAME	VALUE	UNITS
Warning Indicator Requested	True	
Test Not Completed Since Last Clear	False	
Test Failed	True	
Pending DTC	True	
DTC	C4 12 00	
Confirmed DTC	True	
Test Failed Since Last Clear	True	
Test Failed This Operation Cycle	True	
Occurrence flag	Occurrence	
Test Not Completed This Operation Cycle	False	
Brake Switch Status	Applied	
Propulsion System Active	True	
Ignition State	Reserved	

PRND Position Display	P	
HCP ePT Wake-Up Output	On	
SW Build Release Version	PIM_C19A_2003B0_RU_HCP__	
HCP SW Version	C19A	
HV Contactor Status	Closed	
EPT LOC Diag Enable	Enable Limited LOC Diagnostic	
CBC Wake-Up Input	On	
APM Status	Buck CV	
Impact Event	False	
HCP System Shutdown Command	Default	
OBCM Operating Mode	UTC	
J1772 Prox Detected State	Prox Out	
Hybrid System State	Propulsion System Active	
PHEV Charging Status	No Charging	
Ignition Cycle Counter	0	
Frequency Counter	7	
RAM Stamps	624	Min
Original Odometer Value	1241.1	km
Real time clock	2654771	sec
Accelerator Pedal Position	0	%
RAM stamps keyOn	0	sec
Engine Speed	1412	rpm
Most Recent Odometer Value	1241.2	km
Motor B Temp Sensor	6	DegC
Vehicle Speed	0.0000	km/h
Engine Coolant Temperature	4	DegC
HV Battery SOC	25	%
Barometric Pressure	100	kPa
Motor A Temp Sensor	6	DegC
Internal EPS Voltage Sense A	8.208	Volts
Motor A Torque	11.750	NM
Actual Torque - Motor B	4.250	NM
Motor B Torque	4.250	NM
Available Regen Torque - Motor A	-116.250	NM
Available Motor Torque - Motor B	315.125	NM
Available Motor Torque - Motor A	116.250	NM
Commanded Torque - Motor B	4.125	NM
Actual Torque - Motor A	11.750	NM
Internal EPS Voltage Sense B	7.992	Volts
Commanded Torque - Motor A	11.625	NM
Motor A - Inverter Current - phase C	36	AMP
Motor B - Inverter Current - phase A	4	AMP
Available Regen Torque - Motor B	-315.125	NM
Motor B Resolver Angle	302	Degree

Motor B - Inverter Current - phase C	-8	AMP
Motor A - Inverter Current - phase A	4	AMP
Motor A Resolver Angle	164	Degree
Motor B - Inverter Current - phase B	0	AMP
Motor A - Inverter Current - phase B	-44	AMP
Electric Motor A Speed	5820.0	rpm
Electric Motor B Speed	1.5	rpm
PIM DC Link Voltage - A	331	Volts
PIM DC Link Voltage - B	333	Volts
HV Battery Sleep Time	2	Days
HV Battery Voltage from BPCM	332.20	Volts
Outside Air Temperature	8.5	DegC
Battery Feed Voltage 3 Sense	14.328	Volts
Battery Feed Voltage 1 Sense	14.688	Volts
Inverter A IGBT Temperature for phase A	0	DegC
Inverter A IGBT Temperature for phase C	0	DegC
Battery Feed Voltage 2 Sense	14.688	Volts
Inverter A IGBT Temperature for phase B	0	DegC
Inverter B IGBT Temperature for phase B	0	DegC
Inverter B IGBT Temperature for phase A	0	DegC
UTC Time - Minutes	0	
Distance Travelled with Light ON	0	km
GPS Date - Month	1	
GPS Date - Year	0	Year
ECU Time - Milliseconds	0	ms
UTC Time - Seconds	0	seconds
UTC Time - Hours	0	Hours
GPS Date - Day	1	Days
Inverter B IGBT Temperature for phase C	0	DegC

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

NAME	VALUE	UNITS
Test Failed This Operation Cycle	True	
Pending DTC	True	
Test Failed	True	
DTC	C6 23 00	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	True	
Occurrence flag	Occurrence	
Brake Switch Status	Applied	
Ignition State	Reserved	

PHEV Charging Status	No Charging	
Propulsion System Active	True	
PRND Position Display	P	
High Temperature Shut-Off Valve Status	On	
Thermal System Enable State	On	
Front Refrigerant Shut-Off Valve Status	Off	
Chiller Shut-Off Valve Status	On	
Hybrid System State	Propulsion System Active	
CBC Wake-Up Input	On	
EPT LOC Diag Enable	Enable Limited LOC Diagnostic	
APM Status	Buck CV	
Impact Event	False	
HV Contactor Status	Closed	
J1772 Prox Detected State	Prox Out	
OBCM Operating Mode	UTC	
HCP System Shutdown Command	Default	
Real time clock	2654775	sec
Ignition Cycle Counter	0	
Original Odometer Value	1241.2	km
RAM stamps keyOn	0	sec
Most Recent Odometer Value	1241.2	km
Frequency Counter	1	
Accelerator Pedal Position	0	%
Engine Speed	1397	rpm
Engine Coolant Temperature	4	DegC
Vehicle Speed	0.0000	km/h
EAC Compressor Speed	0	rpm
RAM Stamps	624	Min
Passive Pump Coolant Temp In Sensor	3	DegC
HV Battery SOC	25	%
Barometric Pressure	100	kPa
A/C Refrigerant Pressure	3.5	bar
Electric Coolant Heater Temp Sensor	2	DegC
Outside Air Temperature	3.0	DegC
Motor A Temp Sensor	7	DegC
Motor B Temp Sensor	6	DegC
High Temp Cabin Valve Feedback	100.00	degrees
Battery Feed Voltage 3 Sense	14.256	Volts
HV Coolant Heater - Measured Coolant Inlet Temp	3	DegC
HV Coolant Heater - Measured Coolant Outlet Temp	3	DegC
Internal EPS Voltage Sense A	8.208	Volts
Heater Core Coolant Temp Sensor	3	DegC
Battery Feed Voltage 2 Sense	14.544	Volts
Low Temp Passive Pump - Temperature	25	DegC

Radiator Fan Duty Cycle	7	%
Low Temp Active Pump - Temperature	2	DegC
Internal EPS Voltage Sense B	7.992	Volts
Commanded Torque - Motor B	-50.375	NM
Battery Feed Voltage 1 Sense	14.544	Volts
Actual Torque - Motor B	-51.250	NM
Available Regen Torque - Motor A	-116.250	NM
Available Motor Torque - Motor A	116.250	NM
Available Motor Torque - Motor B	315.250	NM
Available Regen Torque - Motor B	-315.250	NM
Commanded Torque - Motor A	-15.125	NM
Motor A - Inverter Current - phase A	28	AMP
Motor B - Inverter Current - phase A	-80	AMP
Motor A - Inverter Current - phase C	-60	AMP
Motor A Resolver Angle	174	Degree
Motor B Resolver Angle	302	Degree
Motor B - Inverter Current - phase B	24	AMP
Motor B - Inverter Current - phase C	52	AMP
Electric Motor A Speed	5813.5	rpm
HV Battery Voltage from BPCM	346.40	Volts
Electric Motor B Speed	1.0	rpm
Motor A - Inverter Current - phase B	28	AMP
PIM DC Link Voltage - A	346	Volts
Inverter A IGBT Temperature for phase A	13	DegC
PIM DC Link Voltage - B	347	Volts
Inverter A IGBT Temperature for phase B	12	DegC
Inverter B IGBT Temperature for phase A	12	DegC
Inverter A IGBT Temperature for phase C	12	DegC
Distance Travelled with Light ON	0	km
Motor A Torque	-16.000	NM
Inverter B IGBT Temperature for phase B	9	DegC
HV Battery Sleep Time	2	Days
Inverter B IGBT Temperature for phase C	15	DegC
GPS Date - Month	1	
Motor B Torque	-51.250	NM
GPS Date - Day	1	Days
GPS Date - Year	0	Year
UTC Time - Hours	0	Hours
UTC Time - Minutes	0	
UTC Time - Seconds	0	seconds
ECU Time - Milliseconds	0	ms

HCP | U209E-00 | Active |

NAME	VALUE	UNITS

OBCM | U209E-00 | Active | OBCM Received Implausible Data from BPCM-

NAME	VALUE	UNITS
DTC	E0 9E 00	
Test Failed	True	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed This Operation Cycle	False	
Test Failed Since Last Clear	True	
Test Failed This Operation Cycle	True	
Warning Indicator Requested	False	
DTC Extended Data Record Number - All	01	
Occurrence flag	ERROR	
Test Not Completed Since Last Clear	False	
DTC Extended Data Record Number - Record #2	30	
OBCM Status AC Present	AC Not OK	
AC Line Low	Valid	
AC Line High	Not Valid	
Battery Not Detected	False	
Battery Voltage Over Max	Not Valid	
Battery Voltage Under Min	Not Valid	
HV OV	False	
HV OC	False	
NTC1 OT	False	
NTC3 OT	False	
NTC4 OT	False	
J1772 S2 Close	Open	
NTC2 OT	False	
J1772 Stat	Veh Not Connected	
J1772 S2 Status	Open	
EVSE Pilot Stat	NO EVSE	
Prox Stat	Prox Out	
OBCM Mode	UTC	
OBCM Charger Ready	Off	
Charge Enable Status	Chrg Disable	
OBCM WU Status	Off	
HCP (EVCU) Shutdown Command	EVCU Operational	
HCP (EVCU) Enable Charge Command	Charge disable	
Chrg Fail Sts	No Faults detected	
HCP (EVCU) OBC Mode Request	Idle	
Generic Fail Sts	At Least One DTC set on Sys Mem	
OBC Control Mth	Current	
OBCM Wake Up Reason	Master Wake Up	
OBCM Deraing Reason	AC Voltage Limit Derating	
Close Chrgr Cntctr	Open	

Chrg Mode	Charge Mode	
Chrgr Cntctr Stat	Closed	
OBCM Fault Reason	No Faults detected	
OBCM - HV Over Voltage Protect	False	
OBCM - LV Aux Over Voltage Protect	False	
OBCM - LLC Under Voltage Protect	False	
OBCM - LV Aux Under Voltage Protect	False	
OBCM - LLC Over Voltage Protect	False	
OBCM - Battery 12V Under Voltage Protect	False	
OBCM - PFC Under Voltage Protect	False	
OBCM - Battery 12V Over Voltage Protect	False	
OBCM - PFC Over Voltage Protect	False	
OBCM - AC Over Voltage Protect	False	
OBCM - AC Under Voltage Protect	False	
OBCM - AC Over Current Protect	False	
OBCM - HV Voltage Over MaxCal Protect	False	
OBCM - HV Over Current Protect	False	
OBCM - HCP Loss of Communication Protect	False	
OBCM - Power Stage Over Voltage Protect	False	
OBCM - Pilot Duty Fault	False	
OBCM - Loss BPCM Communication Protect	False	
OBCM - Internal Memory Fault	False	
OBCM - CAN Bus Off	False	
OBCM - Over Temperature Protect	False	
OBCM - Prox Range To High	False	
OBCM - HV Voltage Under MinCal Protect	False	
OBCM - Prox Range To Low	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 - Receive HV Battery Contact Open From BPCM	False	
OBCM - Loss Communication Protect	False	
OBCM - ORC Loss of Communication	False	
OBCM - HV Battery Not Contact	False	
OBCM - Secondary Aux Over Voltage Protect	False	
OBCM - Primary Aux Under Voltage Protect	False	
OBCM - Secondary Aux Under Voltage Protect	False	
OBCM - Primary Aux Over Voltage Protect	False	
OBCM - Stuck Shutdown	False	
OBCM - AC Contact Welded Fault	False	
OBCM - Cycle Shutdown	False	
OBCM - Vehicle Impact	False	
Control Pilot Open fault	False	

Prox open fault	False	
OBCM - HV Under Voltage Protect	False	
pilot signal wake up issue becase of EVSE	False	
HCP stuck low fault	False	
force shutdown fault	False	
OBCM - ARC/CRC Fault	False	
OBCM - Pilot Range Fault	False	
OBCM - Internal S2 Switch High Fault	False	
HCP stuck High fault	False	
OBCM - Prox Range Fault	False	
OBCM - Internal S2 Switch Low 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	
Module A Primary - PFC Power Limit	True	
Module A Primary - AC Under Voltage Protect	False	
OBCM - Internal S2 Switch High Fault in Driver mode detecting	False	
Module A Primary - PFC 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	False	
Module A Primary - PFC Over Temperature Protect	False	
Module A Primary - LLC Over Temperature Protect	False	
Module A Primary - LLC Hot Warning	False	
Module A Primary - PFC Hot Warning	False	
Module A Primary - AC Over Voltage Protect	True	
Module A Primary - LLC Enable States	False	
Module A Primary - Relay Enable States	False	
Module A Primary - Aux Over Voltage Protect	False	
Module A Primary - Secondary Micro Enable Command	False	
Module A Primary - AC Vin Lost	True	
Module A Primary - Standby Mode	True	
Module A Primary - Aux Under Voltage Protect	False	
Module A Primary - Operate Mode	False	
Module A Primary - Loss Communication Protect	False	
Module A Secondary - HV Enable States	False	
Module A Secondary - LLC Under Voltage Protect	False	

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

Module B Primary - PFC Under Voltage Protect	False	
Module B Primary - PFC Hot Warning	False	
Module B Primary - Relay Enable States	False	
Module B Primary - LLC Hot Warning	False	
Module B Primary - Aux Under Voltage Protect	False	
Module B Primary - Secondary Micro Enable Command	False	
Module B Primary - Operate Mode	False	
Module B Primary - Shutdown Mode	False	
Module B Primary - Loss Communication Protect	False	
Module B Primary - AC Vin Lost	True	
Module B Primary - Standby Mode	True	
Module B Primary - Aux Over Voltage Protect	False	
Module B Secondary - LLC Under Voltage Protect	False	
Module B Secondary - Aux Enable States	True	
Module B Secondary - LLC Over Voltage Protect	False	
Module B Secondary - HV Over Voltage Protect	False	
Module B Secondary - HV Enable States	False	
Module B Secondary - Aux Over Voltage Protect	False	
Module B Secondary - Over Temperature Protect	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 - HV Over Current Protect	False	
Module B Secondary - Ambient Hot Warning	False	
Module B Secondary - Hot Warning	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 Shutdown States	False	
Module B Secondary - Primary Turn On States	False	
Module B Secondary - Standby Mode	True	
Module B Secondary - Operate Mode	False	
Module B Secondary - HV Under Voltage Protect	False	
Module B Secondary - PFC High Temperature Derating	False	
Module B Secondary - LV Micro Disable Command	True	
Module B Secondary - Shutdown Mode	False	
Module B Secondary - LLC Low Temperature Derating	False	
Module B Secondary - PFC Low Temperature Derating	False	
Module B Secondary - LLC High 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	
SBC State_DF00	00	
SBC State_E100	00	
Module B Secondary - HV Output Voltage Derating	False	
SBC State_DF80	00	
SBC State_E300	00	
SBC State_E180	00	
SBC State_E580	00	
SBC State_E500	00	
BPCM HV Battery Contactor Open	False	
SBC Bus Off	False	
CANSIP Bus Off	False	
HCP Shutdown Command	No Shutdown	
EPT LOC Diag Enable	Enable LOC Diagnostic	
HV Battey Contactor Open	False	
HV Contactor Status	Closed	
BPCM Request for HV Contactor	False	
Most Recent Odometer Value	1232	km
Frequency Counter	7	
Ignition Cycle Counter	0	
Original Odometer Value	1232	km
Battery Side Voltage	163.8	Volts
AC Side Current	0.40	Amps
HCP (EVCU) AC Current Max Cal	-0.50	Amps
HCP (EVCU) Current Request	0.00	AMP
Battery Side Current	0.40	Amps
AC Side Volt	2.0	Volts
OBCM Temperature 4	12	DegC
HCP (EVCU) Voltage Request	0	Volts
HCP (EVCU) HV Volt Max Cal	152	Volt
HCP (EVCU) HV Volt Min Cal	244	Volt
OBCM Temperature 1	16	DegC
HCP (EVCU) HV Current Max Cal	-12.00	Amps
OBCM Temperature 2	17	DegC
OBCM Temperature 3	13	DegC
J1772 ICA	0	AMP
External OBCM Inlet Temperature (CAN)	-40	DegC
Watt Hours of Charge the HV Bus	0	W-Hrs
Control Pilot Amplitude	7.493	Volts
Control Pilot Duty Cycle	0.00	%
Control Pilot Frequency	1024	Hz
Module A Primary - PFC Temperature	12	DegC
Watt-Hours of AC Power	0	W-Hrs
Prox Voltage	4.480	Volt

Module A Primary - AC Side Volt	2.1	Volts
OBC Idle Tml	17	hrs
Module A Secondary - Buck Temperature	12	DegC
Module B Primary - LLC Temperature	14	DegC
Module B Primary - PFC Temperature	13	DegC
Module A Secondary - Ambient Temperature	17	DegC
Module A Secondary - Battery Side Voltage	163.9	Volts
Module B Primary - AC Side Volt	2.0	Volts
Module B Secondary - Ambient Temperature	16	DegC
Module B Primary - AC Side Current	-24.90	Amps
Module A Secondary - Battery Side Current	-24.80	Amps
Module A Secondary - Buck Output Voltage	0.1	Volts
Module B Secondary - Buck Temperature	13	DegC
Module A Primary - AC Side Current	-24.70	Amps
Module B Secondary - Battery Side Voltage	163.7	Volts
Module B Secondary - Battery Side Current	-24.80	Amps
Module A Primary - LLC Temperature	12	DegC
Module B Secondary - Buck Output Voltage	0.1	Volts
OBCM Charge Current Available	0.00	AMP
OBC Idle Time	0	sec
OBC Charge Tml	2823	hrs
Ignition on Time for DTC	0	sec
OBC Charge Time	0	sec

SNAPSHOT DATA SUMMARY

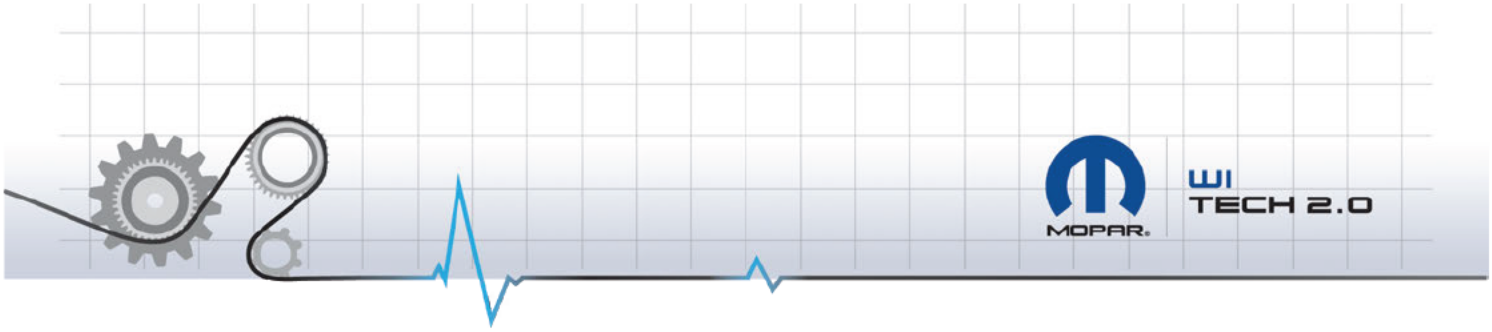
No Snapshot Data available for C2225-00

No Snapshot Data available for U0412-00

No Snapshot Data available for U0623-00

No Snapshot Data available for U209E-00

No Snapshot Data available for U209E-00



VEHICLE SCAN REPORT

Vehicle 2020 CHRYSLER PACIFICA (PHEV) 3.6L V6 HYBRID ENGINE
VIN 2C4RC1N[redacted]

Odometer 1269.3 km
Publication Date Mar 8, 2021, 10:31:32 AM

ECU SUMMARY INFO

ECU	NAME	BUS TYPE	FLASH PART #	CURREN[redacted]	ORIGINAL[redacted]	PART #
PCM	Powertrain Control Module	CAN-C	68444228AE	2C4RC1	2C4RC1N	68444228AE
ICS	Integrated Center Stack	CAN-I	6UX621X8AA	2C4RC1	2C4RC1N	6UX621X8AA
RFH	Radio Frequency Hub	CAN-C	68453559AB	2C4RC1	2C4RC1N	68453559AB
ESM	Electronic Shifter	CAN-C	68240089AM	2C4RC1	2C4RC1N	68240089AM
ORC	Occupant Restraint	CAN-C	68453076AD	2C4RC1	2C4RC1N	68453076AD
EPS	Electric Power Steering	CAN-C	68460392AA	2C4RC1	2C4RC1N	68460392AA
HVAC	Heat, Ventilation and A/C	CAN-I	68447893AC	2C4RC1	2C4RC1N	68447893AC
DDM	Driver Door Module	CAN-I	68424449AC	2C4RC1	2C4RC1N	68424449AC
PDM	Passenger Door Module	CAN-I	68424448AC	2C4RC1	2C4RC1N	68424448AC
DMRL	Door Module Rear Left	CAN-I	68225096AG	2C4RC1	2C4RC1N	68225096AG
DMRR	Door Module Rear Right	CAN-I	68225096AG	2C4RC1	2C4RC1N	68225096AG
PSDML	Power Sliding Doors (Left)	CAN-I	68369596AD	2C4RC1	2C4RC1N	68369596AD
PSDMR	Power Sliding Doors (Right)	CAN-I	68369596AD	2C4RC1	2C4RC1N	68369596AD
MSM	Memory Seat Module	CAN-I	68321862AC	2C4RC1	2C4RC1N	68321862AC
PLGM	Power Liftgate	CAN-I	68316094AF	2C4RC1	2C4RC1N	68316094AF
CSWM	Comfort Seat Wheel Module	CAN-I	68434912AC	2C4RC1	2C4RC1N	68434912AC
AMP	Amplifier	CAN-I	68448067AA	2C4RC1	2C4RC1N	68448067AA
IPC	Instrument Panel Cluster	CAN-C	68434956AC	2C4RC1	2C4RC1N	68434956AC
PTS	Parktronics	CAN-C	68193775AJ	2C4RC1	2C4RC1N	68193775AJ
SCCM	Steering Column Control Module	CAN-C	68360889AD	2C4RC1	2C4RC1N	68360889AD
BCM	Body Controller	CAN-C	68424601AE	2C4RC1	2C4RC1N	68424601AE

ACC	Adaptive Cruise Control	CAN-C	68417813AF	2C4RC1N	[redacted]	2C4RC1N	68417813AF
RADIO	Radio	CAN-I	68461768AD	2C4RC1		2C4RC1N	68461768AD
OCM	Occupant Classification	CAN-C	68403127AA	2C4RC1N		2C4RC1N	68403127AA
HVACR	Heat, Ventilation and A/C Rear	CAN-I	68373079AB	2C4RC1N		2C4RC1N	68373079AB
LBSS	Left Blind Spot Sensor	CAN-I	04672786AB	2C4RC1N		2C4RC1N	04672786AB
RBSS	Right Blind Spot Sensor	CAN-I	04672786AB	2C4RC1N		2C4RC1N	04672786AB
FFCM	Forward Facing Camera Module	CAN-C	68493395AA	2C4RC1N		2C4RC1N	68493395AA
EDM	External Disc Module	CAN-I	68378304AB	2C4RC1N		2C4RC1N	68378304AB
APM	Accessory Power Module	CAN-C	05185046AB	2C4RC1N		2C4RC1N	05185046AB
BPCM	Battery Pack Control Module	CAN-C	05193166AD	2C4RC1N		2C4RC1N	05193166AD
HCP	Hybrid Control Processor	CAN-C	05190265AF	2C4RC1N		2C4RC1N	05190265AF
OBCM	On Board Charging Module	CAN-C	05185047AE	2C4RC1N		2C4RC1N	05185047AE
MSMP	Memory Seat Module - Passenger	CAN-I	68321862AC	2C4RC1N		2C4RC1N	68321862AC
DSM	Display Screen Module	CAN-I	68316174AC	2C4RC1N		2C4RC1N	68316174AC
VRM	Video Routing Module	CAN-I	68376134AG	2C4RC1N		2C4RC1N	68376134AG
RCCC	Rear Cabin Comfort Controls	CAN-I	6WL30PD2AA	2C4RC1N		2C4RC1N	6WL30PD2AA
CVPM	Central vision processing module	CAN-I	68375113AB	2C4RC1N		2C4RC1N	68375113AB
EAC	Electric A/C Compressor	CAN-C	68237995AG	2C4RC1N		2C4RC1N	68237995AG
AHCP	Auxiliary Hybrid Control Processor	CAN-C	05190266AF	2C4RC1N		2C4RC1N	05190266AF
EBBM	Electronic Brake Booster Module	CAN-C	68461813AB	2C4RC1N		2C4RC1N	68461813AB
ABSO	Anti Lock Brakes OBD	CAN-C	68471122AD	2C4RC1N		2C4RC1N	68471122AD
SGW	Security Gateway Module	CAN-C	68447193AB			2C4RC1N	68447193AB

ECU SUMMARY INFO (CONT...)

ECU	COUNTRY CODE	HARDWARE VERSION	SOFTWARE VERSION	IDENT	CVNS
PCM	USA	1B 47	46 03 01	4419	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	13 18 03	4005	F5BC8401
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
HCP	P0C0B-00	Drive Motor A Inverter Power Supply Circuit/Open-	Active
HCP	P16F9-00	HCP Internal - Shutdown Performance-	Active

ENVIRONMENTAL DATA SUMMARY

HCP | P0C0B-00 | Active | Drive Motor A Inverter Power Supply Circuit/Open-

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

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

Motor A Phase U Comm Error High Voltage Regulator Fault - Low-Side	False	
Motor A Phase U Under Voltage Fault VH - Low-Side	False	
Motor A Phase U Over Voltage Fault VH - Low-Side	False	
Motor A Phase V Over Voltage Fault VH - High-Side	True	
Motor A Phase V Under Voltage Fault VH - High-Side	False	
Motor A Phase V Over Voltage Fault VL - High-Side	False	
Motor A Phase V Under Voltage Fault VL - High-Side	True	
Motor A Phase V Over Voltage Fault VDD - High-SideSide	False	
Motor A Phase V Under Voltage Fault VDD - High-Side	False	
Motor A Phase V Over Voltage Fault VH - Low-Side	False	
Motor A Phase V Under Voltage Fault VH - Low-Side	False	
Motor A Phase V Over Voltage Fault VL - Low-Side	False	
Motor A Phase U Comm Error Low Voltage Regulator Fault - Low-Side	False	
Motor A Phase V Under Voltage Fault VL - Low-Side	False	
Motor A Phase V Over Voltage Fault VDD - Low-Side	False	
Motor A Phase V Under Voltage Fault VDD - Low-Side	False	
Motor A Phase V Comm Error Low Voltage Regulator Fault - Low-Side	False	
Motor A Phase W Cross Conduction Fault - High-Side	False	
Motor A Phase W Over Voltage Fault VH - High-Side	False	
Motor A Phase W Under Voltage Fault VH - High-Side	False	
Motor A Phase W Over Voltage Fault VL - High-Side	False	
Motor A Phase W Over Voltage Fault VDD - High-Side	False	
Motor A Phase W Under Voltage Fault VDD - High-Side	False	
Motor A Phase V Comm Error High Voltage Regulator Fault - Low-Side	False	
Motor A Phase W Comm Error High Voltage Regulator Fault - High-Side	False	
Motor A Phase W Over Voltage Fault VH - Low-Side	False	
Motor A Phase W Under Voltage Fault VH - Low-Side	False	
Motor A Phase W Under Voltage Fault VL - Low-Side	False	
Motor A Phase W Under Voltage Fault VL - High-Side	False	
Motor A Phase W Under Voltage Fault VDD - Low-Side	False	
Motor A Phase W Comm Error High Voltage Regulator Fault - Low-Side	False	
Inverter A Status Feedback	Inverter Faulted	
Motor A Phase W Over Voltage Fault VL - Low-Side	False	
Motor A Phase W Over Voltage Fault VDD - Low-Side	False	
Real time clock	3012304	sec
Ignition Cycle Counter	0	
Most Recent Odometer Value	1269.3	km
Original Odometer Value	1269.3	km
Frequency Counter	1	
RAM Stamps	1031	Min
Accelerator Pedal Position	0	%
HV Battery SOC	60	%
Engine Speed	0	rpm
Motor A - Inverter Current - phase B	0	AMP

Electric Motor A Speed	0.0	rpm
Barometric Pressure	101	kPa
Vehicle Speed	0.0000	km/h
Engine Coolant Temperature	32	DegC
Inverter A Input DC Current	0.0	AMP
Motor A - Inverter Current - phase A	0	AMP
Motor A - Inverter Current - phase C	0	AMP
Motor A Resolver Supply Voltage Value	15.75	Volts
Actual Torque - Motor A	0.000	NM
Internal EPS Voltage Sense A	0.000	Volts
Available Motor Torque - Motor A	17.000	NM
Battery Feed Voltage 2 Sense	11.160	Volts
Outside Air Temperature	2.0	DegC
Internal EPS Voltage Sense B	0.000	Volts
Battery Feed Voltage 3 Sense	11.016	Volts
High Temp Aux Pump - Actual Speed	0	rpm
Low Temp Active Pump Speed	0	rpm
PIM DC Link Voltage - A	6	Volts
PIM DC Link Voltage - B	6	Volts
Passive Pump Coolant Temp In Sensor	14	DegC
RAM stamps keyOn	555	sec
Battery Feed Voltage 1 Sense	11.160	Volts
Commanded Torque - Motor A	0.000	NM
Available Motor Torque - Motor B	315.000	NM
Motor B - Inverter Current - phase C	-4	AMP
Motor B Resolver Angle	48	Degree
Available Regen Torque - Motor A	-17.000	NM
Actual Torque - Motor B	0.000	NM
Available Regen Torque - Motor B	-315.000	NM
Commanded Torque - Motor B	0.000	NM
Motor B - Inverter Current - phase B	-4	AMP
Motor B - Inverter Current - phase A	-4	AMP
Electric Motor B Speed	0.5	rpm
Inverter A IGBT Temperature for phase A	16	DegC
Inverter B IGBT Temperature for phase A	16	DegC
Motor A Torque	0.000	NM
Inverter A IGBT Temperature for phase C	16	DegC
Motor B Temp Sensor	15	DegC
Inverter A IGBT Temperature for phase B	16	DegC
HV Battery Voltage from BPCM	180.00	Volts
HV Battery Sleep Time	0	Days
Motor B Torque	0.000	NM
Distance Travelled with Light ON	0	km
Inverter B IGBT Temperature for phase C	15	DegC

Inverter B IGBT Temperature for phase B	16	DegC
UTC Time - Hours	0	Hours
GPS Date - Year	0	Year
GPS Date - Month	1	
UTC Time - Seconds	0	seconds
UTC Time - Minutes	0	
GPS Date - Day	1	Days
ECU Time - Milliseconds	0	ms

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

NAME	VALUE	UNITS
Warning Indicator Requested	True	
DTC	16 F9 00	
Test Failed	True	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
DTC Extended Data Record Number	05	
Occurrence flag	Occurrence	
Brake Switch Status	Not Applied	
Propulsion System Active	False	
PRND Position Display	P	
PHEV Charging Status	No Charging	
Ignition State	Ignition Lock	
Adaptable NVM CRC Status	Passed	
Cumulative NVM CRC Status	Passed	
Main Processor Reset Source - Core 0	Controller Specific Exceptions	
Static NVM CRC Status	Passed	
MCPInit EEPROM CRC Status	Passed	
Expendable NVM CRC Status	Passed	
MCPUninit EEPROM CRC Status	Passed	
Preserved NVM CRC Status	Passed	
BSW EEPROM CRC Status	Passed	
Non Volatile RAM CRC Status	Passed	
MCPB - MCPA SPI ARC Error Count	00	
HCP - MCPA SPI ARC Error Count	00	
MemShare CRC Error Count- Core 0	02	
MemShare ARC Error Count- Core 0	00	
MCPB - MCPA SPI CRC Error Count	00	
MemShare CRC Error Count- Core 1	FF	
MemShare ARC Error Count- Core 1	02	

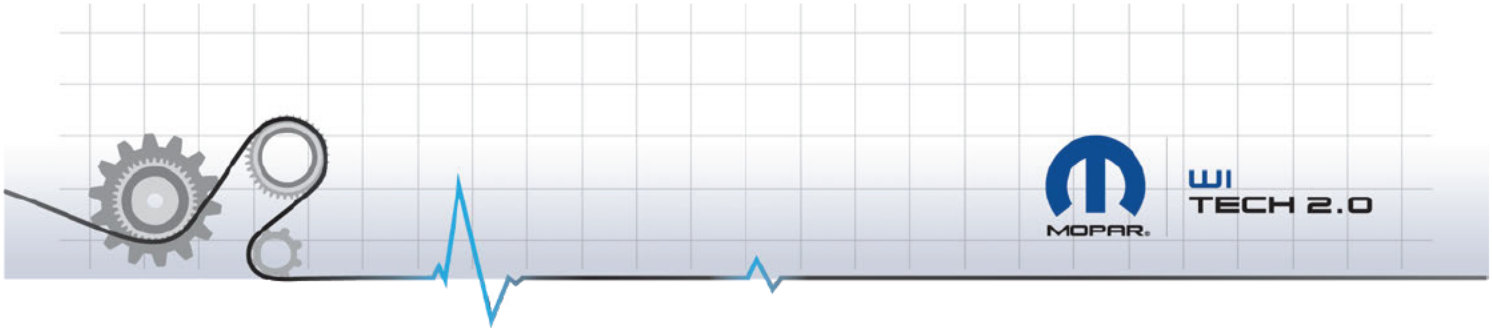
HCP - MCPA SPI CRC Error Count	00	
External Watchdog Fault	False	
Main Analog-to-Digital Converter Fault	False	
Main Processor Reset Source - Core 1	Power Up	
Main Detected Seed Received In Wrong Order	False	
MAIN ALU Fault	False	
Main Clock Fault	False	
Main Stack Fault	False	
MainTPU_Flt	False	
MAIN Detected SPI Fault	False	
Hybrid System State	Power Up	
CBC Wake-Up Input	On	
EPT LOC Diag Enable	Disable LOC Daignostic	
HV Contactor Status	Open	
HCP ePT Wake-Up Output	On	
Impact Event	False	
HCP System Shutdown Command	Default	
APM Status	Idle	
J1772 Prox Detected State	Prox Out	
OBCM Operating Mode	UTC	
Most Recent Odometer Value	1269.3	km
Accelerator Pedal Position	0	%
RAM stamps keyOn	0	sec
Ignition Cycle Counter	0	
Original Odometer Value	1269.3	km
Engine Speed	0	rpm
Frequency Counter	2	
HV Battery SOC	60	%
Barometric Pressure	100	kPa
RAM Stamps	1034	Min
Vehicle Speed	0.0000	km/h
Engine Coolant Temperature	80	DegC
Internal EPS Voltage Sense B	0.000	Volts
Battery Feed Voltage 2 Sense	11.160	Volts
Real time clock	3012565	sec
Actual Torque - Motor B	0.000	NM
Battery Feed Voltage 1 Sense	11.160	Volts
Battery Feed Voltage 3 Sense	10.944	Volts
Actual Torque - Motor A	0.000	NM
Available Regen Torque - Motor B	-315.000	NM
Motor A - Inverter Current - phase A	-4	AMP
Commanded Torque - Motor B	0.000	NM
Available Motor Torque - Motor A	117.625	NM
Commanded Torque - Motor A	0.000	NM

Available Motor Torque - Motor B	315.000	NM
Motor A - Inverter Current - phase B	-4	AMP
Available Regen Torque - Motor A	-117.625	NM
Motor B - Inverter Current - phase C	0	AMP
Motor A Resolver Angle	252	Degree
Motor A - Inverter Current - phase C	-4	AMP
Motor B - Inverter Current - phase B	0	AMP
Motor A Temp Sensor	25	DegC
Motor B Resolver Angle	70	Degree
Motor B - Inverter Current - phase A	0	AMP
Electric Motor A Speed	0.0	rpm
HV Battery Voltage from BPCM	180.00	Volts
PIM DC Link Voltage - A	5	Volts
PIM DC Link Voltage - B	4	Volts
Outside Air Temperature	18.0	DegC
Inverter A IGBT Temperature for phase A	0	DegC
Inverter A IGBT Temperature for phase B	0	DegC
Motor B Temp Sensor	25	DegC
Electric Motor B Speed	0.0	rpm
Inverter B IGBT Temperature for phase C	0	DegC
Distance Travelled with Light ON	0	km
Internal EPS Voltage Sense A	0.000	Volts
Inverter A IGBT Temperature for phase C	0	DegC
Inverter B IGBT Temperature for phase A	0	DegC
Motor A Torque	0.000	NM
HV Battery Sleep Time	0	Days
Inverter B IGBT Temperature for phase B	0	DegC
GPS Date - Year	0	Year
GPS Date - Month	1	
UTC Time - Seconds	0	seconds
Motor B Torque	0.000	NM
UTC Time - Minutes	0	
GPS Date - Day	1	Days
UTC Time - Hours	0	Hours
ECU Time - Milliseconds	0	ms

SNAPSHOT DATA SUMMARY

No Snapshot Data available for P0C0B-00

No Snapshot Data available for P16F9-00



VEHICLE SCAN REPORT

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

Odometer 1324.9 km
Publication Date Mar 29, 2021, 6:58:11 AM

ECU SUMMARY INFO

ECU	NAME	BUS TYPE	FLASH PART #	CURREN[redacted]	ORIGINA[redacted]	PART #
PCM	Powertrain Control Module	CAN-C	68444228AE	2C4RC1	2C4RC1	68444228AE
ICS	Integrated Center Stack	CAN-I	6UX621X8AA	2C4RC1	2C4RC1	6UX621X8AA
RFH	Radio Frequency Hub	CAN-C	68453559AB	2C4RC1	2C4RC1	68453559AB
ESM	Electronic Shifter	CAN-C	68240089AM	2C4RC1	2C4RC1	68240089AM
ORC	Occupant Restraint	CAN-C	68453076AD	2C4RC1	2C4RC1	68453076AD
EPS	Electric Power Steering	CAN-C	68460392AA	2C4RC1	2C4RC1	68460392AA
HVAC	Heat, Ventilation and A/C	CAN-I	68447893AC	2C4RC1	2C4RC1	68447893AC
DDM	Driver Door Module	CAN-I	68424449AC	2C4RC1	2C4RC1	68424449AC
PDM	Passenger Door Module	CAN-I	68424448AC	2C4RC1	2C4RC1	68424448AC
DMRL	Door Module Rear Left	CAN-I	68225096AG	2C4RC1	2C4RC1	68225096AG
DMRR	Door Module Rear Right	CAN-I	68225096AG	2C4RC1	2C4RC1	68225096AG
PSDML	Power Sliding Doors (Left)	CAN-I	68369596AD	2C4RC1	2C4RC1	68369596AD
PSDMR	Power Sliding Doors (Right)	CAN-I	68369596AD	2C4RC1	2C4RC1	68369596AD
MSM	Memory Seat Module	CAN-I	68321862AC	2C4RC1	2C4RC1	68321862AC
PLGM	Power Liftgate	CAN-I	68316094AF	2C4RC1	2C4RC1	68316094AF
CSWM	Comfort Seat Wheel Module	CAN-I	68434912AC	2C4RC1	2C4RC1	68434912AC
AMP	Amplifier	CAN-I	68448067AA	2C4RC1	2C4RC1	68448067AA
IPC	Instrument Panel Cluster	CAN-C	68434956AC	2C4RC1	2C4RC1	68434956AC
PTS	Parktronics	CAN-C	68193775AJ	2C4RC1	2C4RC1	68193775AJ
SCCM	Steering Column Control Module	CAN-C	68360889AD	2C4RC1	2C4RC1	68360889AD
BCM	Body Controller	CAN-C	68424601AE	2C4RC1	2C4RC1	68424601AE

ACC	Adaptive Cruise Control	CAN-C	68417813AF	2C4RC1N	[redacted]	2C4RC1N7	68417813AF
RADIO	Radio	CAN-I	68461768AD	2C4RC1	[redacted]	2C4RC1N7	68461768AD
OCM	Occupant Classification	CAN-C	68403127AA	2C4RC1N	[redacted]	2C4RC1N7	68403127AA
HVACR	Heat, Ventilation and A/C Rear	CAN-I	68373079AB	2C4RC1N	[redacted]	2C4RC1N7	68373079AB
LBSS	Left Blind Spot Sensor	CAN-I	04672786AB	2C4RC1N	[redacted]	2C4RC1N7	04672786AB
RBSS	Right Blind Spot Sensor	CAN-I	04672786AB	2C4RC1N	[redacted]	2C4RC1N7	04672786AB
FFCM	Forward Facing Camera Module	CAN-C	68493395AA	2C4RC1N	[redacted]	2C4RC1N7	68493395AA
EDM	External Disc Module	CAN-I	68378304AB	2C4RC1N	[redacted]	2C4RC1N7	68378304AB
APM	Accessory Power Module	CAN-C	05185046AB	2C4RC1N	[redacted]	2C4RC1N7	05185046AB
BPCM	Battery Pack Control Module	CAN-C	05193166AD	2C4RC1N	[redacted]	2C4RC1N7	05193166AD
HCP	Hybrid Control Processor	CAN-C	05190265AF	2C4RC1N	[redacted]	2C4RC1N7	05190265AF
OBCM	On Board Charging Module	CAN-C	05185047AE	2C4RC1N	[redacted]	2C4RC1N7	05185047AE
MSMP	Memory Seat Module - Passenger	CAN-I	68321862AC	2C4RC1N	[redacted]	2C4RC1N7	68321862AC
DSM	Display Screen Module	CAN-I	68316174AC	2C4RC1N	[redacted]	2C4RC1N7	68316174AC
VRM	Video Routing Module	CAN-I	68376134AG	2C4RC1N	[redacted]	2C4RC1N7	68376134AG
RCCC	Rear Cabin Comfort Controls	CAN-I	6WL30PD2AA	2C4RC1N	[redacted]	2C4RC1N7	6WL30PD2AA
CVPM	Central vision processing module	CAN-I	68375113AB	2C4RC1N	[redacted]	2C4RC1N7	68375113AB
EAC	Electric A/C Compressor	CAN-C	68237995AG	2C4RC1N	[redacted]	2C4RC1N7	68237995AG
AHCP	Auxiliary Hybrid Control Processor	CAN-C	05190266AF	2C4RC1N	[redacted]	2C4RC1N7	05190266AF
EBBM	Electronic Brake Booster Module	CAN-C	68461813AB	2C4RC1N	[redacted]	2C4RC1N7	68461813AB
ABSO	Anti Lock Brakes OBD	CAN-C	68471122AD	2C4RC1N	[redacted]	2C4RC1N7	68471122AD
SGW	Security Gateway Module	CAN-C	68447193AB			2C4RC1N7	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	13 18 03	4005	F5BC8401
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
BCM	B2303-13	Wiper Park Switch Input-Circuit Open	Stored
ACC	C2225-00	PCM Disabled ECU-	Stored
RADIO	U0002-00	CAN C Bus Off Performance-	Stored

HCP	P0A31-00	Drive Motor B Temperature Sensor 1 Circuit Range/Performance-	Active
HCP	P0A3C-00	Drive Motor A Inverter Over Temperature-	Active
HCP	P0A3D-00	Drive Motor B Inverter Over Temperature-	Stored
HCP	P0C11-00	Drive Motor A Inverter Phase U Over Temperature-	Active
HCP	P0C14-00	Drive Motor B Inverter Phase U Over Temperature-	Active
HCP	P2B28-00	Hybrid/EV Battery Pack Coolant Pump "A" Performance-	Pending
HCP	P2BE0-00	Hybrid/EV Battery Coolant Level Sensor Circuit/Open-	Stored
HCP	U0623-00	Lost Communication with Coolant Pump "A"-	Active
VRM	B15AE-00	Lost Low Voltage Differential Signal (LVDS) Connection with Media Port 2-	Stored

ENVIRONMENTAL DATA SUMMARY

BCM | B2303-13 | Stored | Wiper Park Switch Input-Circuit Open

NAME	VALUE	UNITS
Test Failed Since Last Clear	True	
Test Failed	False	
Pending DTC	False	
Test Not Completed This Operation Cycle	False	
Test Failed This Operation Cycle	True	
Test Not Completed Since Last Clear	False	
Occurrence flag	ERROR	
DTC Extended Data Record Number - All	01	
Confirmed DTC	True	
Warning Indicator Requested	False	
Frequency Counter	1	
Original Odometer Value	1312	km
Most Recent Odometer Value	1312	km
Ignition Cycle Counter	1	

ACC | C2225-00 | Stored | PCM 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	
PRNDL Status	D range	
Original Odometer Value	1296	km
Engine Torque Request	SNA	N*m
Operation Cycle Counter	1	

Frequency Counter	1	
Engine RPM	1376	rpm
Object of Interest Distance	253	Meters
Vehicle Speed	64	km/hr
System Voltage	14.6	Volts
ACC Set Speed	0	km/hr
Most Recent Odometer Value	1296	km
Ignition Voltage	14.5	

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

NAME	VALUE	UNITS
TestFailed	False	
DTCTable	C0 02 00	
Warning Indicator Requested	False	
Confirmed DTC	True	
Pending DTC	False	
TestFailedThisMonitoringCycle	False	
Reserved	Reserved	
Test Not Completed This Monitoring Cycle	False	
Occurance Flag	Occurrence	
DTCExtendedDataRecordNumber	FF	
RDI $6080	60 80	
Event Counter	64	
Frequency Counter	1	
Original Odometer Value	1312	km
Most Recent Odometer Value	1312	km
Ignition Counter	0	

HCP | P0A31-00 | Active | Drive Motor B Temperature Sensor 1 Circuit Range/Performance-

NAME	VALUE	UNITS
DTC	0A 31 00	
Pending DTC	True	
Test Failed This Operation Cycle	False	
Test Failed	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Not Completed This Operation Cycle	True	
Test Failed Since Last Clear	True	
Warning Indicator Requested	True	
Occurrence flag	Occurrence	
Brake Switch Status	Not Applied	
PHEV Charging Status	No Charging	
Ignition State	Reserved	
PRND Position Display	D	

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

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

Motor B Phase V Over Voltage Fault VDD - Low-Side	False	
Motor B Phase V Under Voltage Fault VDD - Low-Side	False	
Motor B Phase W Over Voltage Fault VH - High-Side	False	
Motor B Phase W Under Voltage Fault VH - High-Side	False	
Motor B Phase W Under Voltage Fault VL - High-Side	False	
Motor B Phase W Over Voltage Fault VL - High-Side	False	
Motor B Phase W Over Voltage Fault VDD - High-Side	False	
Motor B Phase W Under Voltage Fault VDD - High-Side	False	
Motor B Phase W Thermal Shutdown Fault - High-Side	False	
Motor B Phase W Under Voltage Fault VH - Low-Side	False	
Motor B Phase W Over Voltage Fault VH - Low-Side	False	
Motor B Phase W Over Voltage Fault VL - Low-Side	False	
Motor B Phase W Under Voltage Fault VL - Low-Side	False	
Motor B Phase W Over Voltage Fault VDD - Low-Side	False	
Motor B Phase W Under Voltage Fault VDD - Low-Side	False	
Original Odometer Value	1300.8	km
Most Recent Odometer Value	1300.8	km
Frequency Counter	1	
Real time clock	3433082	sec
Ignition Cycle Counter	0	
RAM stamps keyOn	150	sec
RAM Stamps	276	Min
Accelerator Pedal Position	0	%
Engine Speed	0	rpm
HV Battery SOC	89	%
Vehicle Speed	47.2891	km/h
Barometric Pressure	100	kPa
Engine Coolant Temperature	8	DegC
Actual Torque - Motor B	85.750	NM
Available Motor Torque - Motor B	291.500	NM
Inverter B Input DC Current	91.2	AMP
Electric Motor B Speed	3221.5	rpm
Motor B - Inverter Current - phase C	-56	AMP
Motor B - Inverter Current - phase A	-64	AMP
Motor B - Inverter Current - phase B	112	AMP
Motor B Resolver Supply Voltage Value	15.75	Volts
Battery Feed Voltage 2 Sense	14.832	Volts
Internal EPS Voltage Sense A	8.136	Volts
Internal EPS Voltage Sense B	8.136	Volts
Available Motor Torque - Motor A	116.250	NM
Battery Feed Voltage 3 Sense	14.616	Volts
Battery Feed Voltage 1 Sense	14.832	Volts
Actual Torque - Motor A	-7.875	NM
Commanded Torque - Motor A	-7.125	NM

Commanded Torque - Motor B	83.500	NM
Available Regen Torque - Motor A	-116.250	NM
Available Regen Torque - Motor B	-291.500	NM
Motor A - Inverter Current - phase A	-4	AMP
Motor A - Inverter Current - phase B	0	AMP
Motor A - Inverter Current - phase C	-4	AMP
Motor A Resolver Angle	218	Degree
Motor A Temp Sensor	10	DegC
Outside Air Temperature	9.0	DegC
HV Battery Voltage from BPCM	369.10	Volts
Electric Motor A Speed	-3963.5	rpm
PIM DC Link Voltage - A	370	Volts
PIM DC Link Voltage - B	368	Volts
Inverter A IGBT Temperature for phase A	44	DegC
Inverter A IGBT Temperature for phase B	45	DegC
Inverter A IGBT Temperature for phase C	42	DegC
Inverter B IGBT Temperature for phase B	69	DegC
Inverter B IGBT Temperature for phase A	67	DegC
Inverter B IGBT Temperature for phase C	65	DegC
Distance Travelled with Light ON	0	km
Motor B Torque	85.750	NM
Motor A Torque	-7.875	NM
HV Battery Sleep Time	1	Days
GPS Date - Year	0	Year
GPS Date - Month	1	
UTC Time - Hours	0	Hours
GPS Date - Day	1	Days
UTC Time - Minutes	0	
UTC Time - Seconds	0	seconds
ECU Time - Milliseconds	0	ms

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

NAME	VALUE	UNITS
DTC	0A 3C 00	
Test Failed	True	
Test Failed This Operation Cycle	True	
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	
Brake Switch Status	Applied	

PHEV Charging Status	No Charging	
Ignition State	Reserved	
PRND Position Display	D	
Propulsion System Active	True	
Motor A Phase U Short Fault - High-Side	False	
Motor A Phase U Cross Conduction Fault - High-Side	False	
Motor A Phase U Over Current Fault - High-Side	False	
Motor A Phase U Thermal Warning Fault - High-Side	False	
Motor A Phase U Comm Error High Voltage Regulator Fault - High-Side	False	
Motor A Phase U Thermal Shutdown Fault - High-Side	False	
Motor A Phase U Comm Error Low Voltage Regulator Fault - High-Side	False	
Motor A Phase U Short Fault - Low-Side	False	
Motor A Phase U SPI Error Fault - High-Side	False	
Motor A Phase U Hardware Error Fault - High-Side	False	
Motor A Phase U Cross Conduction Fault - Low-Side	False	
Motor A Phase U Thermal Warning Fault - Low-Side	False	
Motor A Phase U Over Current Fault - Low-Side	False	
Motor A Phase U Thermal Shutdown Fault - Low-Side	False	
Motor A Phase U SPI Error Fault - Low-Side	False	
Motor A Phase U Hardware Error Fault - Low-Side	False	
Motor A Phase V Short Fault - High-Side	False	
Motor A Phase V Cross Conduction Fault - High-Side	False	
Motor A Phase V Over Current Fault - High-Side	False	
Motor A Phase V Thermal Warning Fault - High-Side	False	
Motor A Phase V Thermal Shutdown Fault - High-Side	False	
Motor A Phase V Comm Error High Voltage Regulator Fault - High-Side	False	
Motor A Phase V Comm Error Low Voltage Regulator Fault - High-Side	False	
Motor A Phase V SPI Error Fault - High-Side	False	
Motor A Phase V Hardware Error Fault - High-Side	False	
Motor A Phase V Short Fault - Low-Side	False	
Motor A Phase V Cross Conduction Fault - Low-Side	False	
Motor A Phase V Over Current Fault - Low-Side	False	
Motor A Phase V Thermal Warning Fault - Low-Side	False	
Motor A Phase V Thermal Shutdown Fault - Low-Side	False	
Motor A Phase V SPI Error Fault - Low-Side	False	
Motor A Phase V Hardware Error Fault - Low-Side	False	
Motor A Phase W Over Current Fault - High-Side	False	
Motor A Phase W Short Fault - High-Side	False	
Motor A Phase W Thermal Warning Fault - High-Side	False	
Motor A Phase W Thermal Shutdown Fault - High-Side	False	
Motor A Phase W Comm Error Low Voltage Regulator Fault - High-Side	False	
Motor A Phase W SPI Error Fault - High-Side	False	
Motor A Phase W Hardware Error Fault - High-Side	False	
Motor A Phase W Short Fault - Low-Side	False	

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

Motor A Phase V Over Voltage Fault VDD - Low-Side	False	
Motor A Phase V Under Voltage Fault VDD - Low-Side	False	
Motor A Phase V Comm Error Low Voltage Regulator Fault - Low-Side	False	
Motor A Phase V Comm Error High Voltage Regulator Fault - Low-Side	False	
Motor A Phase W Cross Conduction Fault - High-Side	False	
Motor A Phase W Over Voltage Fault VH - High-Side	False	
Motor A Phase W Under Voltage Fault VH - High-Side	False	
Motor A Phase W Over Voltage Fault VL - High-Side	False	
Motor A Phase W Under Voltage Fault VL - High-Side	False	
Motor A Phase W Over Voltage Fault VDD - High-Side	False	
Motor A Phase W Under Voltage Fault VDD - High-Side	False	
Motor A Phase W Comm Error High Voltage Regulator Fault - High-Side	False	
Motor A Phase W Over Voltage Fault VH - Low-Side	False	
Motor A Phase W Under Voltage Fault VH - Low-Side	False	
Motor A Phase W Over Voltage Fault VL - Low-Side	False	
Motor A Phase W Under Voltage Fault VL - Low-Side	False	
Motor A Phase W Over Voltage Fault VDD - Low-Side	False	
Motor A Phase W Under Voltage Fault VDD - Low-Side	False	
Motor A Phase W Comm Error High Voltage Regulator Fault - Low-Side	False	
Inverter A Status Feedback	Normal On	
Original Odometer Value	1303.0	km
Most Recent Odometer Value	1324.9	km
Frequency Counter	9	
Ignition Cycle Counter	0	
Real time clock	3844692	sec
RAM stamps keyOn	390	sec
RAM Stamps	328	Min
Accelerator Pedal Position	0	%
Engine Speed	1096	rpm
HV Battery SOC	91	%
Vehicle Speed	2.4141	km/h
Barometric Pressure	102	kPa
Actual Torque - Motor A	-16.375	NM
Engine Coolant Temperature	65	DegC
Inverter A Input DC Current	-11.4	AMP
Available Motor Torque - Motor A	29.000	NM
Electric Motor A Speed	4338.0	rpm
Motor A - Inverter Current - phase A	52	AMP
Motor A - Inverter Current - phase B	-56	AMP
Motor A - Inverter Current - phase C	4	AMP
Motor A Resolver Supply Voltage Value	15.75	Volts
Battery Feed Voltage 2 Sense	14.688	Volts
Battery Feed Voltage 3 Sense	14.544	Volts
Internal EPS Voltage Sense A	8.136	Volts

Internal EPS Voltage Sense B	8.136	Volts
PIM DC Link Voltage - B	389	Volts
PIM DC Link Voltage - A	391	Volts
Passive Pump Coolant Temp In Sensor	3	DegC
Outside Air Temperature	1.0	DegC
Low Temp Active Pump Speed	0	rpm
High Temp Aux Pump - Actual Speed	4128	rpm
Actual Torque - Motor B	12.875	NM
Battery Feed Voltage 1 Sense	14.616	Volts
Available Motor Torque - Motor B	80.000	NM
Available Regen Torque - Motor A	-29.000	NM
Available Regen Torque - Motor B	-80.000	NM
Commanded Torque - Motor A	-16.375	NM
Motor B - Inverter Current - phase B	8	AMP
Motor B - Inverter Current - phase A	-20	AMP
Commanded Torque - Motor B	12.375	NM
Motor B Resolver Angle	74	Degree
Motor B - Inverter Current - phase C	12	AMP
Motor B Temp Sensor	10	DegC
HV Battery Voltage from BPCM	389.90	Volts
Electric Motor B Speed	182.5	rpm
Inverter A IGBT Temperature for phase A	144	DegC
Inverter A IGBT Temperature for phase C	140	DegC
Inverter A IGBT Temperature for phase B	155	DegC
Inverter B IGBT Temperature for phase B	139	DegC
Inverter B IGBT Temperature for phase A	139	DegC
Inverter B IGBT Temperature for phase C	115	DegC
Distance Travelled with Light ON	25	km
Motor A Torque	-16.375	NM
Motor B Torque	12.875	NM
HV Battery Sleep Time	5	Days
GPS Date - Month	1	
GPS Date - Day	1	Days
GPS Date - Year	0	Year
UTC Time - Hours	0	Hours
UTC Time - Seconds	0	seconds
UTC Time - Minutes	0	
ECU Time - Milliseconds	0	ms

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

NAME	VALUE	UNITS
DTC	0A 3D 00	
Test Failed	False	
Test Failed This Operation Cycle	False	

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

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

Motor B Phase U Under Voltage Fault VDD - Low-Side	False	
Motor B Phase V Over Voltage Fault VH - High-Side	False	
Motor B Phase V Under Voltage Fault VH - High-Side	False	
Motor B Phase V Over Voltage Fault VL - High-Side	False	
Motor B Phase V Under Voltage Fault VL - High-Side	False	
Motor B Phase V Over Voltage Fault VDD - High-Side	False	
Motor B Phase V Under Voltage Fault VDD - High-Side	False	
Motor B Phase V Over Voltage Fault VH - Low-Side	False	
Motor B Phase V Under Voltage Fault VH - Low-Side	False	
Motor B Phase V Over Voltage Fault VL - Low-Side	False	
Motor B Phase V Under Voltage Fault VL - Low-Side	False	
Motor B Phase V Over Voltage Fault VDD - Low-Side	False	
Motor B Phase V Under Voltage Fault VDD - Low-Side	False	
Motor B Phase W Under Voltage Fault VH - High-Side	False	
Motor B Phase W Over Voltage Fault VH - High-Side	False	
Motor B Phase W Over Voltage Fault VL - High-Side	False	
Motor B Phase W Over Voltage Fault VDD - High-Side	False	
Motor B Phase W Under Voltage Fault VL - High-Side	False	
Motor B Phase W Thermal Shutdown Fault - High-Side	False	
Motor B Phase W Under Voltage Fault VDD - High-Side	False	
Motor B Phase W Over Voltage Fault VH - Low-Side	False	
Motor B Phase W Under Voltage Fault VH - Low-Side	False	
Motor B Phase W Over Voltage Fault VL - Low-Side	False	
Motor B Phase W Under Voltage Fault VL - Low-Side	False	
Motor B Phase W Over Voltage Fault VDD - Low-Side	False	
Motor B Phase W Under Voltage Fault VDD - Low-Side	False	
Original Odometer Value	1305.0	km
Frequency Counter	2	
Most Recent Odometer Value	1305.1	km
Ignition Cycle Counter	0	
Real time clock	3433355	sec
RAM stamps keyOn	420	sec
RAM Stamps	281	Min
Accelerator Pedal Position	0	%
Engine Speed	1137	rpm
HV Battery SOC	87	%
Vehicle Speed	0.0234	km/h
Barometric Pressure	100	kPa
Engine Coolant Temperature	66	DegC
Actual Torque - Motor B	-21.250	NM
Inverter B Input DC Current	2.0	AMP
Available Motor Torque - Motor B	78.875	NM
Electric Motor B Speed	3.5	rpm
Motor B - Inverter Current - phase A	-12	AMP

Motor B - Inverter Current - phase B	-28	AMP
Motor B - Inverter Current - phase C	32	AMP
Motor B Resolver Supply Voltage Value	15.75	Volts
Internal EPS Voltage Sense B	8.136	Volts
Battery Feed Voltage 2 Sense	14.760	Volts
Internal EPS Voltage Sense A	8.136	Volts
Battery Feed Voltage 3 Sense	14.544	Volts
Battery Feed Voltage 1 Sense	14.688	Volts
Available Regen Torque - Motor A	-29.000	NM
Available Motor Torque - Motor A	29.000	NM
Actual Torque - Motor A	-28.000	NM
Commanded Torque - Motor A	-28.625	NM
Motor A - Inverter Current - phase A	64	AMP
Available Regen Torque - Motor B	-78.875	NM
Commanded Torque - Motor B	-20.750	NM
Motor A Resolver Angle	168	Degree
Motor A - Inverter Current - phase C	-96	AMP
Motor A - Inverter Current - phase B	24	AMP
Outside Air Temperature	9.0	DegC
Motor A Temp Sensor	25	DegC
HV Battery Voltage from BPCM	388.90	Volts
Electric Motor A Speed	4732.0	rpm
PIM DC Link Voltage - B	388	Volts
PIM DC Link Voltage - A	390	Volts
Inverter A IGBT Temperature for phase A	175	DegC
Inverter A IGBT Temperature for phase B	175	DegC
Inverter A IGBT Temperature for phase C	168	DegC
Inverter B IGBT Temperature for phase A	154	DegC
Inverter B IGBT Temperature for phase B	154	DegC
Inverter B IGBT Temperature for phase C	129	DegC
Distance Travelled with Light ON	5	km
Motor A Torque	-28.000	NM
Motor B Torque	-21.250	NM
HV Battery Sleep Time	1	Days
GPS Date - Year	0	Year
GPS Date - Day	1	Days
GPS Date - Month	1	
UTC Time - Hours	0	Hours
UTC Time - Minutes	0	
UTC Time - Seconds	0	seconds
ECU Time - Milliseconds	0	ms

HCP | P0C11-00 | Active | Drive Motor A Inverter Phase U Over Temperature-

NAME	VALUE	UNITS

DTC	0C 11 00	
Test Failed	True	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
Occurrence flag	Occurrence	
Brake Switch Status	Not Applied	
PHEV Charging Status	No Charging	
Ignition State	Reserved	
PRND Position Display	P	
Propulsion System Active	True	
Motor A Phase U Short Fault - High-Side	False	
Motor A Phase U Cross Conduction Fault - High-Side	False	
Motor A Phase U Over Current Fault - High-Side	False	
Motor A Phase U Thermal Shutdown Fault - High-Side	False	
Motor A Phase U Comm Error High Voltage Regulator Fault - High-Side	False	
Motor A Phase U Thermal Warning Fault - High-Side	False	
Motor A Phase U Comm Error Low Voltage Regulator Fault - High-Side	False	
Motor A Phase U Hardware Error Fault - High-Side	False	
Motor A Phase U SPI Error Fault - High-Side	False	
Motor A Phase U Short Fault - Low-Side	False	
Motor A Phase U Cross Conduction Fault - Low-Side	False	
Motor A Phase U Thermal Warning Fault - Low-Side	False	
Motor A Phase U Over Current Fault - Low-Side	False	
Motor A Phase U Thermal Shutdown Fault - Low-Side	False	
Motor A Phase U SPI Error Fault - Low-Side	False	
Motor A Phase U Hardware Error Fault - Low-Side	False	
Motor A Phase V Short Fault - High-Side	False	
Motor A Phase V Cross Conduction Fault - High-Side	False	
Motor A Phase V Over Current Fault - High-Side	False	
Motor A Phase V Thermal Warning Fault - High-Side	False	
Motor A Phase V Thermal Shutdown Fault - High-Side	False	
Motor A Phase V Comm Error High Voltage Regulator Fault - High-Side	False	
Motor A Phase V Comm Error Low Voltage Regulator Fault - High-Side	False	
Motor A Phase V SPI Error Fault - High-Side	False	
Motor A Phase V Hardware Error Fault - High-Side	False	
Motor A Phase V Short Fault - Low-Side	False	
Motor A Phase V Over Current Fault - Low-Side	False	
Motor A Phase V Cross Conduction Fault - Low-Side	False	
Motor A Phase V Thermal Warning Fault - Low-Side	False	

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

Motor A Phase U Comm Error Low Voltage Regulator Fault - Low-Side	False	
Motor A Phase V Over Voltage Fault VH - High-Side	False	
Motor A Phase V Under Voltage Fault VH - High-Side	False	
Motor A Phase V Over Voltage Fault VL - High-Side	False	
Motor A Phase V Under Voltage Fault VL - High-Side	False	
Motor A Phase V Over Voltage Fault VDD - High-SideSide	False	
Motor A Phase V Under Voltage Fault VDD - High-Side	False	
Motor A Phase V Over Voltage Fault VH - Low-Side	False	
Motor A Phase V Under Voltage Fault VH - Low-Side	False	
Motor A Phase V Over Voltage Fault VL - Low-Side	False	
Motor A Phase V Under Voltage Fault VL - Low-Side	False	
Motor A Phase V Over Voltage Fault VDD - Low-Side	False	
Motor A Phase V Comm Error High Voltage Regulator Fault - Low-Side	False	
Motor A Phase V Comm Error Low Voltage Regulator Fault - Low-Side	False	
Motor A Phase W Cross Conduction Fault - High-Side	False	
Motor A Phase W Over Voltage Fault VH - High-Side	False	
Motor A Phase W Under Voltage Fault VH - High-Side	False	
Motor A Phase W Over Voltage Fault VL - High-Side	False	
Motor A Phase W Under Voltage Fault VL - High-Side	False	
Motor A Phase W Over Voltage Fault VDD - High-Side	False	
Motor A Phase W Under Voltage Fault VDD - High-Side	False	
Motor A Phase W Comm Error High Voltage Regulator Fault - High-Side	False	
Motor A Phase W Over Voltage Fault VH - Low-Side	False	
Motor A Phase W Under Voltage Fault VH - Low-Side	False	
Motor A Phase W Over Voltage Fault VL - Low-Side	False	
Motor A Phase W Under Voltage Fault VL - Low-Side	False	
Motor A Phase W Over Voltage Fault VDD - Low-Side	False	
Motor A Phase W Under Voltage Fault VDD - Low-Side	False	
Motor A Phase W Comm Error High Voltage Regulator Fault - Low-Side	False	
Inverter A Status Feedback	Normal On	
Original Odometer Value	1302.0	km
Most Recent Odometer Value	1324.8	km
Frequency Counter	2	
Ignition Cycle Counter	0	
Real time clock	3844483	sec
RAM stamps keyOn	180	sec
RAM Stamps	325	Min
Accelerator Pedal Position	0	%
Engine Speed	1105	rpm
HV Battery SOC	91	%
Vehicle Speed	0.0000	km/h
Barometric Pressure	102	kPa
Actual Torque - Motor A	-19.875	NM
Available Motor Torque - Motor A	84.625	NM

Engine Coolant Temperature	42	DegC
Electric Motor A Speed	4563.0	rpm
Inverter A Input DC Current	-15.5	AMP
Motor A - Inverter Current - phase A	-12	AMP
Motor A - Inverter Current - phase B	-56	AMP
Motor A - Inverter Current - phase C	64	AMP
Battery Feed Voltage 2 Sense	14.688	Volts
Motor A Resolver Supply Voltage Value	15.75	Volts
Battery Feed Voltage 3 Sense	14.544	Volts
Internal EPS Voltage Sense B	8.136	Volts
PIM DC Link Voltage - A	393	Volts
Internal EPS Voltage Sense A	8.136	Volts
High Temp Aux Pump - Actual Speed	3000	rpm
PIM DC Link Voltage - B	392	Volts
Passive Pump Coolant Temp In Sensor	2	DegC
Low Temp Active Pump Speed	0	rpm
Outside Air Temperature	1.0	DegC
Motor A Phase V Under Voltage Fault VDD - Low-Side	False	
Actual Torque - Motor B	-25.250	NM
Battery Feed Voltage 1 Sense	14.616	Volts
Available Regen Torque - Motor A	-84.625	NM
Available Regen Torque - Motor B	-315.250	NM
Available Motor Torque - Motor B	315.250	NM
Commanded Torque - Motor A	-20.000	NM
Motor B - Inverter Current - phase B	-44	AMP
Commanded Torque - Motor B	-25.000	NM
Motor B - Inverter Current - phase A	12	AMP
Motor B - Inverter Current - phase C	28	AMP
Motor B Resolver Angle	36	Degree
Motor B Temp Sensor	11	DegC
HV Battery Voltage from BPCM	392.70	Volts
Electric Motor B Speed	2.5	rpm
Inverter A IGBT Temperature for phase A	98	DegC
Inverter A IGBT Temperature for phase B	105	DegC
Inverter A IGBT Temperature for phase C	100	DegC
Inverter B IGBT Temperature for phase A	99	DegC
Inverter B IGBT Temperature for phase B	99	DegC
Inverter B IGBT Temperature for phase C	83	DegC
Distance Travelled with Light ON	25	km
Motor B Torque	-25.250	NM
Motor A Torque	-19.875	NM
GPS Date - Day	1	Days
HV Battery Sleep Time	5	Days
GPS Date - Year	0	Year

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

HCP | P0C14-00 | Active | Drive Motor B Inverter Phase U Over Temperature-

NAME	VALUE	UNITS
Test Failed This Operation Cycle	True	
DTC	0C 14 00	
Test Failed	True	
Pending DTC	True	
Test Not Completed Since Last Clear	False	
Confirmed DTC	True	
Test Failed Since Last Clear	True	
Warning Indicator Requested	False	
Occurrence flag	Occurrence	
Test Not Completed This Operation Cycle	False	
Brake Switch Status	Not Applied	
PHEV Charging Status	No Charging	
Ignition State	Reserved	
Propulsion System Active	True	
PRND Position Display	P	
Commanded Inverter B State	Torque Control	
Inverter B Status Feedback	Normal On	
Motor B Phase U Cross Conduction Fault - High-Side	False	
Motor B Phase U Thermal Warning Fault - High-Side	False	
Motor B Phase U Short Fault - High-Side	False	
Motor B Phase U Thermal Shutdown Fault - High-Side	False	
Motor B Phase U Comm Error High Voltage Regulator Fault - High-Side	False	
Motor B Phase U SPI Error Fault - High-Side	False	
Motor B Phase U Hardware Error Fault - High-Side	False	
Motor B Phase U Cross Conduction Fault - Low-Side	False	
Motor B Phase U Short Fault - Low-Side	False	
Motor B Phase U Over Current Fault - Low-Side	False	
Motor B Phase U Thermal Warning Fault - Low-Side	False	
Motor B Phase U Comm Error High Voltage Regulator Fault - Low-Side	False	
Motor B Phase U Thermal Shutdown Fault - Low-Side	False	
Motor B Phase U Comm Error Low Voltage Regulator Fault - Low-Side	False	
Motor B Phase U SPI Error Fault - Low-Side	False	
Motor B Phase U Hardware Error Fault - Low-Side	False	
Motor B Phase V Short Fault - High-Side	False	
Motor B Phase V Over Current Fault - High-Side	False	
Motor B Phase V Cross Conduction Fault - High-Side	False	

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

Motor B Phase U Under Voltage Fault VH - High-Side	False	
Motor B Phase U Over Voltage Fault VL - High-Side	False	
Motor B Phase U Under Voltage Fault VL - High-Side	False	
Motor B Phase U Over Voltage Fault VDD - High-Side	False	
Motor B Phase U Under Voltage Fault VDD - High-Side	False	
Motor B Phase U Comm Error Low Voltage Regulator Fault - High-Side	False	
Motor B Phase U Over Voltage Fault VH - Low-Side	False	
Motor B Phase U Under Voltage Fault VH - Low-Side	False	
Motor B Phase U Over Voltage Fault VL - Low-Side	False	
Motor B Phase U Under Voltage Fault VL - Low-Side	False	
Motor B Phase U Over Voltage Fault VDD - Low-Side	False	
Motor B Phase U Under Voltage Fault VDD - Low-Side	False	
Motor B Phase V Over Voltage Fault VH - High-Side	False	
Motor B Phase V Under Voltage Fault VH - High-Side	False	
Motor B Phase V Over Voltage Fault VL - High-Side	False	
Motor B Phase V Under Voltage Fault VL - High-Side	False	
Motor B Phase V Over Voltage Fault VDD - High-Side	False	
Motor B Phase V Under Voltage Fault VDD - High-Side	False	
Motor B Phase V Over Voltage Fault VH - Low-Side	False	
Motor B Phase V Under Voltage Fault VH - Low-Side	False	
Motor B Phase V Over Voltage Fault VL - Low-Side	False	
Motor B Phase V Under Voltage Fault VL - Low-Side	False	
Motor B Phase V Over Voltage Fault VDD - Low-Side	False	
Motor B Phase V Under Voltage Fault VDD - Low-Side	False	
Motor B Phase W Under Voltage Fault VH - High-Side	False	
Motor B Phase W Over Voltage Fault VH - High-Side	False	
Motor B Phase W Over Voltage Fault VL - High-Side	False	
Motor B Phase W Under Voltage Fault VL - High-Side	False	
Motor B Phase W Over Voltage Fault VDD - High-Side	False	
Motor B Phase W Thermal Shutdown Fault - High-Side	False	
Motor B Phase W Under Voltage Fault VDD - High-Side	False	
Motor B Phase W Over Voltage Fault VH - Low-Side	False	
Motor B Phase W Under Voltage Fault VH - Low-Side	False	
Motor B Phase W Over Voltage Fault VL - Low-Side	False	
Motor B Phase W Under Voltage Fault VL - Low-Side	False	
Motor B Phase W Over Voltage Fault VDD - Low-Side	False	
Motor B Phase W Under Voltage Fault VDD - Low-Side	False	
Most Recent Odometer Value	1324.8	km
Original Odometer Value	1301.9	km
Ignition Cycle Counter	0	
Frequency Counter	2	
Real time clock	3844505	sec
RAM Stamps	325	Min
RAM stamps keyOn	210	sec

Accelerator Pedal Position	0	%
Engine Speed	1105	rpm
HV Battery SOC	91	%
Vehicle Speed	0.0000	km/h
Engine Coolant Temperature	46	DegC
Barometric Pressure	102	kPa
Actual Torque - Motor B	-25.500	NM
Available Motor Torque - Motor B	225.250	NM
Inverter B Input DC Current	5.1	AMP
Motor B - Inverter Current - phase B	-44	AMP
Electric Motor B Speed	2.0	rpm
Motor B - Inverter Current - phase A	12	AMP
Motor B - Inverter Current - phase C	24	AMP
Motor B Resolver Supply Voltage Value	15.75	Volts
Battery Feed Voltage 2 Sense	14.688	Volts
Internal EPS Voltage Sense B	8.136	Volts
Internal EPS Voltage Sense A	8.136	Volts
Battery Feed Voltage 1 Sense	14.616	Volts
Battery Feed Voltage 3 Sense	14.544	Volts
Actual Torque - Motor A	-19.750	NM
Available Motor Torque - Motor A	37.500	NM
Available Regen Torque - Motor A	-37.500	NM
Available Regen Torque - Motor B	-225.250	NM
Commanded Torque - Motor B	-24.875	NM
Motor A - Inverter Current - phase A	-68	AMP
Commanded Torque - Motor A	-19.875	NM
Motor A - Inverter Current - phase B	56	AMP
Motor A - Inverter Current - phase C	4	AMP
Motor A Resolver Angle	278	Degree
Motor A Temp Sensor	21	DegC
Outside Air Temperature	1.0	DegC
Electric Motor A Speed	4595.5	rpm
HV Battery Voltage from BPCM	392.10	Volts
PIM DC Link Voltage - A	393	Volts
PIM DC Link Voltage - B	391	Volts
Inverter A IGBT Temperature for phase A	103	DegC
Inverter A IGBT Temperature for phase B	109	DegC
Inverter A IGBT Temperature for phase C	105	DegC
Inverter B IGBT Temperature for phase A	105	DegC
Inverter B IGBT Temperature for phase B	105	DegC
Inverter B IGBT Temperature for phase C	91	DegC
Distance Travelled with Light ON	25	km
Motor A Torque	-19.750	NM
Motor B Torque	-25.500	NM

HV Battery Sleep Time	5	Days
GPS Date - Month	1	
GPS Date - Year	0	Year
UTC Time - Hours	0	Hours
GPS Date - Day	1	Days
UTC Time - Minutes	0	
UTC Time - Seconds	0	seconds
ECU Time - Milliseconds	0	ms

HCP | P2B28-00 | Pending | Hybrid/EV Battery Pack Coolant Pump "A" Performance-

NAME	VALUE	UNITS
DTC	2B 28 00	
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	True	
Warning Indicator Requested	False	
Occurrence flag		
Test Failed	False	
Brake Switch Status		
PHEV Charging Status		
Ignition State		
Propulsion System Active		
PRND Position Display		
Low Temp Active Pump - RPM Monitoring		
Low Temp Active Pump - Limp Home		
Low Temp Active Pump - Post Running Mode Status		
Low Temp Active Pump - Over Current		
Low Temp Active Pump - Over Temperature		
Low Temp Active Pump - Voltage Error		
Low Temp Active Pump - Node Error		
Low Temp Active Pump - Response Error		
Low Temp Active Pump - Deblocking		
Low Temp Active Pump - Dry Run		
Low Temp Active Pump - Fail Safe		
Hybrid System State		
HCP ePT Wake-Up Output		
CBC Wake-Up Input		
EPT LOC Diag Enable		
HV Contactor Status		
Impact Event		
HCP System Shutdown Command		

APM Status		
OBCM Operating Mode		
J1772 Prox Detected State		
Original Odometer Value		km
Most Recent Odometer Value		km
Frequency Counter		
Ignition Cycle Counter		
RAM stamps keyOn		sec
Real time clock		sec
RAM Stamps		Min
Accelerator Pedal Position		%
Engine Speed		rpm
HV Battery SOC		%
Vehicle Speed		km/h
Barometric Pressure		kPa
Low Temp Active Pump - Actual Speed		rpm
Engine Coolant Temperature		DegC
Low Temp Active Pump - Temperature		DegC
Low Temp Active Pump - Current		AMP
Low Temp Active Pump - Voltage		Volts
Battery Feed Voltage 3 Sense		Volts
Low Temp Active Pump - Target Speed		rpm
Internal EPS Voltage Sense B		Volts
Battery Feed Voltage 2 Sense		Volts
Internal EPS Voltage Sense A		Volts
Actual Torque - Motor A		NM
Actual Torque - Motor B		NM
Battery Feed Voltage 1 Sense		Volts
Available Motor Torque - Motor B		NM
Available Regen Torque - Motor A		NM
Available Motor Torque - Motor A		NM
Motor A - Inverter Current - phase B		AMP
Commanded Torque - Motor A		NM
Motor A - Inverter Current - phase A		AMP
Motor B - Inverter Current - phase B		AMP
Available Regen Torque - Motor B		NM
Commanded Torque - Motor B		NM
Motor A Resolver Angle		Degree
Motor A - Inverter Current - phase C		AMP
Motor B - Inverter Current - phase A		AMP
Motor B - Inverter Current - phase C		AMP
Motor B Resolver Angle		Degree
Motor A Temp Sensor		DegC
Motor B Temp Sensor		DegC

Outside Air Temperature		DegC
HV Battery Voltage from BPCM		Volts
Electric Motor A Speed		rpm
Inverter B IGBT Temperature for phase C		DegC
Electric Motor B Speed		rpm
PIM DC Link Voltage - A		Volts
Inverter B IGBT Temperature for phase B		DegC
Inverter A IGBT Temperature for phase B		DegC
PIM DC Link Voltage - B		Volts
Inverter A IGBT Temperature for phase C		DegC
Inverter B IGBT Temperature for phase A		DegC
Motor A Torque		NM
Distance Travelled with Light ON		km
Inverter A IGBT Temperature for phase A		DegC
Motor B Torque		NM
GPS Date - Day		Days
GPS Date - Month		
HV Battery Sleep Time		Days
UTC Time - Minutes		
ECU Time - Milliseconds		ms
GPS Date - Year		Year
UTC Time - Seconds		seconds
UTC Time - Hours		Hours

HCP | P2BE0-00 | Stored | Hybrid/EV Battery Coolant Level Sensor Circuit/Open-

NAME	VALUE	UNITS
DTC	2B E0 00	
Test Failed	False	
Pending DTC	False	
Confirmed DTC	True	
Test Failed This Operation Cycle	False	
Test Failed Since Last Clear	True	
Test Not Completed Since Last Clear	False	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
Occurrence flag	Occurrence	
Brake Switch Status	Not Applied	
PHEV Charging Status	No Charging	
Ignition State	Reserved	
Propulsion System Active	True	
PRND Position Display	P	
Thermal System Enable State	On	
High Temperature Shut-Off Valve Status	Off	
Front Refrigerant Shut-Off Valve Status	Off	

Chiller Shut-Off Valve Status	On	
Hybrid System State	Propulsion System Active	
CBC Wake-Up Input	Off	
HV Contactor Status	Closed	
EPT LOC Diag Enable	Enable LOC Diagnostic	
APM Status	Buck CV	
Impact Event	False	
HCP System Shutdown Command	Default	
OBCM Operating Mode	UTC	
J1772 Prox Detected State	Prox Out	
Original Odometer Value	1312.4	km
Most Recent Odometer Value	1312.4	km
Ignition Cycle Counter	0	
RAM Stamps	295	Min
RAM stamps keyOn	1260	sec
Accelerator Pedal Position	0	%
Real time clock	3434191	sec
Engine Speed	1103	rpm
HV Battery SOC	91	%
Frequency Counter	1	
Vehicle Speed	0.0000	km/h
Barometric Pressure	100	kPa
A/C Refrigerant Pressure	5.0	bar
Passive Pump Coolant Temp In Sensor	17	DegC
Electric Coolant Heater Temp Sensor	75	DegC
Heater Core Coolant Temp Sensor	80	DegC
Outside Air Temperature	10.0	DegC
EAC Compressor Speed	0	rpm
High Temp Cabin Valve Feedback	1.18	degrees
Radiator Fan Duty Cycle	88	%
Motor A Temp Sensor	36	DegC
Engine Coolant Temperature	81	DegC
HV Coolant Heater - Measured Coolant Inlet Temp	80	DegC
HV Coolant Heater - Measured Coolant Outlet Temp	82	DegC
Battery Feed Voltage 2 Sense	14.688	Volts
Low Temp Active Pump - Temperature	34	DegC
Motor B Temp Sensor	16	DegC
Low Temp Passive Pump - Temperature	19	DegC
Internal EPS Voltage Sense B	8.136	Volts
Internal EPS Voltage Sense A	8.136	Volts
Battery Feed Voltage 3 Sense	14.616	Volts
Battery Feed Voltage 1 Sense	14.688	Volts
Actual Torque - Motor B	10.000	NM
Available Motor Torque - Motor A	116.250	NM

Available Regen Torque - Motor A	-116.250	NM
Available Motor Torque - Motor B	157.500	NM
Available Regen Torque - Motor B	-157.500	NM
Commanded Torque - Motor B	10.250	NM
Commanded Torque - Motor A	-16.750	NM
Motor A - Inverter Current - phase A	64	AMP
Motor B - Inverter Current - phase B	8	AMP
Motor A - Inverter Current - phase B	-48	AMP
Motor A - Inverter Current - phase C	-20	AMP
Motor B - Inverter Current - phase A	-24	AMP
Motor B - Inverter Current - phase C	4	AMP
Motor A Resolver Angle	106	Degree
Motor B Resolver Angle	62	Degree
HV Battery Voltage from BPCM	392.90	Volts
Electric Motor A Speed	4578.5	rpm
PIM DC Link Voltage - B	392	Volts
Inverter A IGBT Temperature for phase A	22	DegC
PIM DC Link Voltage - A	394	Volts
Inverter A IGBT Temperature for phase B	21	DegC
Electric Motor B Speed	0.5	rpm
Inverter A IGBT Temperature for phase C	22	DegC
Inverter B IGBT Temperature for phase A	19	DegC
Inverter B IGBT Temperature for phase C	19	DegC
Inverter B IGBT Temperature for phase B	19	DegC
Motor A Torque	-17.000	NM
GPS Date - Year	0	Year
Distance Travelled with Light ON	10	km
Motor B Torque	10.000	NM
GPS Date - Month	1	
GPS Date - Day	1	Days
HV Battery Sleep Time	1	Days
ECU Time - Milliseconds	0	ms
UTC Time - Seconds	0	seconds
UTC Time - Minutes	0	
UTC Time - Hours	0	Hours

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

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

Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	True	
Occurrence flag	Occurrence	
Ignition State	Reserved	
Brake Switch Status	Not Applied	
PHEV Charging Status	No Charging	
Propulsion System Active	False	
PRND Position Display	P	
High Temperature Shut-Off Valve Status	On	
Front Refrigerant Shut-Off Valve Status	Off	
Chiller Shut-Off Valve Status	On	
Thermal System Enable State	On	
Hybrid System State	High Voltage Enabled	
CBC Wake-Up Input	On	
EPT LOC Diag Enable	Enable Limited LOC Diagnostic	
HV Contactor Status	Closed	
APM Status	Buck CV	
Impact Event	False	
OBCM Operating Mode	UTC	
HCP System Shutdown Command	Default	
J1772 Prox Detected State	Prox Out	
Original Odometer Value	1324.8	km
Most Recent Odometer Value	1324.8	km
Frequency Counter	1	
RAM stamps keyOn	30	sec
Ignition Cycle Counter	0	
Accelerator Pedal Position	0	%
RAM Stamps	322	Min
HV Battery SOC	91	%
Vehicle Speed	0.0000	km/h
Real time clock	3844294	sec
Engine Speed	0	rpm
A/C Refrigerant Pressure	3.5	bar
Engine Coolant Temperature	80	DegC
Barometric Pressure	100	kPa
Electric Coolant Heater Temp Sensor	3	DegC
Heater Core Coolant Temp Sensor	2	DegC
Motor B Temp Sensor	6	DegC
Outside Air Temperature	1.0	DegC
EAC Compressor Speed	0	rpm
Passive Pump Coolant Temp In Sensor	2	DegC
High Temp Cabin Valve Feedback	99.61	degrees
HV Coolant Heater - Measured Coolant Outlet Temp	3	DegC

HV Coolant Heater - Measured Coolant Inlet Temp	3	DegC
Motor A Temp Sensor	6	DegC
Low Temp Passive Pump - Temperature	25	DegC
Battery Feed Voltage 3 Sense	14.544	Volts
Low Temp Active Pump - Temperature	2	DegC
Radiator Fan Duty Cycle	7	%
Internal EPS Voltage Sense B	8.136	Volts
Internal EPS Voltage Sense A	8.136	Volts
Battery Feed Voltage 2 Sense	14.760	Volts
Battery Feed Voltage 1 Sense	14.760	Volts
Actual Torque - Motor B	0.000	NM
Available Motor Torque - Motor A	118.250	NM
Available Regen Torque - Motor B	-315.000	NM
Available Motor Torque - Motor B	315.000	NM
Available Regen Torque - Motor A	-118.250	NM
Commanded Torque - Motor A	0.000	NM
Motor A - Inverter Current - phase A	0	AMP
Commanded Torque - Motor B	0.000	NM
Motor A - Inverter Current - phase B	-4	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	-4	AMP
Motor A Resolver Angle	340	Degree
Motor B Resolver Angle	46	Degree
HV Battery Voltage from BPCM	391.00	Volts
Electric Motor B Speed	0.0	rpm
Electric Motor A Speed	0.5	rpm
PIM DC Link Voltage - A	392	Volts
PIM DC Link Voltage - B	390	Volts
Inverter A IGBT Temperature for phase B	3	DegC
Inverter A IGBT Temperature for phase C	3	DegC
Inverter B IGBT Temperature for phase A	3	DegC
Inverter A IGBT Temperature for phase A	3	DegC
Inverter B IGBT Temperature for phase B	3	DegC
Inverter B IGBT Temperature for phase C	3	DegC
Motor A Torque	0.000	NM
Motor B Torque	0.000	NM
Distance Travelled with Light ON	25	km
GPS Date - Month	1	
HV Battery Sleep Time	5	Days
GPS Date - Year	0	Year
UTC Time - Hours	0	Hours
UTC Time - Minutes	0	

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

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	
Pending DTC	False	
Test Failed This Operation Cycle	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
DTC Extended Data Record Number - All	01	
Test Not Completed This Operation Cycle	False	
Occurrence flag	ERROR	
Test Failed Since Last Clear	True	
Warning Indicator Requested	False	
Most Recent Odometer Value	1296	km
Original Odometer Value	1296	km
Frequency Counter	1	
Ignition Cycle Counter	2	

SNAPSHOT DATA SUMMARY

No Snapshot Data available for B2303-13

No Snapshot Data available for C2225-00

No Snapshot Data available for U0002-00

No Snapshot Data available for P0A31-00

No Snapshot Data available for P0A3C-00

No Snapshot Data available for P0A3D-00

No Snapshot Data available for P0C11-00

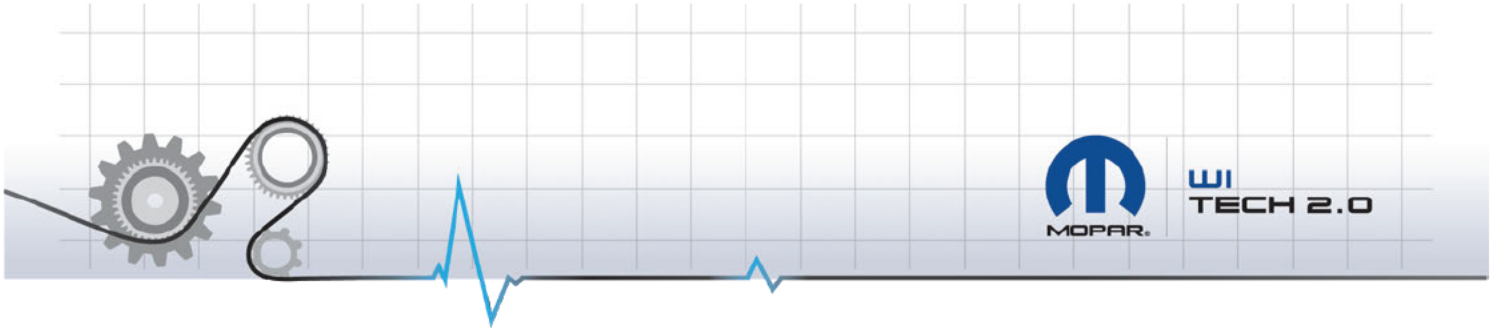
No Snapshot Data available for P0C14-00

No Snapshot Data available for P2B28-00

No Snapshot Data available for P2BE0-00

No Snapshot Data available for U0623-00

No Snapshot Data available for B15AE-00



VEHICLE SCAN REPORT

Vehicle 2020 CHRYSLER PACIFICA (PHEV) 3.6L V6 HYBRID ENGINE
VIN 2C4RC1N79LR263169

Odometer 1370.2 km
Publication Date Mar 30, 2021, 7:04:01 AM

ECU SUMMARY INFO

ECU	NAME	BUS TYPE	FLASH PART #	CURREN	ORIGINA	PART #
PCM	Powertrain Control Module	CAN-C	68444228AE	2C4RC1N	2C4RC1N	68444228AE
ICS	Integrated Center Stack	CAN-I	6UX621X8AA	2C4RC1N	2C4RC1N	6UX621X8AA
RFH	Radio Frequency Hub	CAN-C	68453559AB	2C4RC1N	2C4RC1N	68453559AB
ESM	Electronic Shifter	CAN-C	68240089AM	2C4RC1N	2C4RC1N	68240089AM
ORC	Occupant Restraint	CAN-C	68453076AD	2C4RC1N	2C4RC1N	68453076AD
EPS	Electric Power Steering	CAN-C	68460392AA	2C4RC1N	2C4RC1N	68460392AA
HVAC	Heat, Ventilation and A/C	CAN-I	68447893AC	2C4RC1N	2C4RC1N	68447893AC
DDM	Driver Door Module	CAN-I	68424449AC	2C4RC1N	2C4RC1N	68424449AC
PDM	Passenger Door Module	CAN-I	68424448AC	2C4RC1N	2C4RC1N	68424448AC
DMRL	Door Module Rear Left	CAN-I	68225096AG	2C4RC1N	2C4RC1N	68225096AG
DMRR	Door Module Rear Right	CAN-I	68225096AG	2C4RC1N	2C4RC1N	68225096AG
PSDML	Power Sliding Doors (Left)	CAN-I	68369596AD	2C4RC1N	2C4RC1N	68369596AD
PSDMR	Power Sliding Doors (Right)	CAN-I	68369596AD	2C4RC1N	2C4RC1N	68369596AD
MSM	Memory Seat Module	CAN-I	68321862AC	2C4RC1N	2C4RC1N	68321862AC
PLGM	Power Liftgate	CAN-I	68316094AF	2C4RC1N	2C4RC1N	68316094AF
CSWM	Comfort Seat Wheel Module	CAN-I	68434912AC	2C4RC1N	2C4RC1N	68434912AC
AMP	Amplifier	CAN-I	68448067AA	2C4RC1N	2C4RC1N	68448067AA
IPC	Instrument Panel Cluster	CAN-C	68434956AC	2C4RC1N	2C4RC1N	68434956AC
PTS	Parktronics	CAN-C	68193775AJ	2C4RC1N	2C4RC1N	68193775AJ
SCCM	Steering Column Control Module	CAN-C	68360889AD	2C4RC1N	2C4RC1N	68360889AD
BCM	Body Controller	CAN-C	68424601AE	2C4RC1N	2C4RC1N	68424601AE

ACC	Adaptive Cruise Control	CAN-C	68417813AF	2C4RC1N	[redacted]	2C4RC1N7	68417813AF
RADIO	Radio	CAN-I	68461768AD	2C4RC1	[redacted]	2C4RC1N7	68461768AD
OCM	Occupant Classification	CAN-C	68403127AA	2C4RC1N	[redacted]	2C4RC1N7	68403127AA
HVACR	Heat, Ventilation and A/C Rear	CAN-I	68373079AB	2C4RC1N	[redacted]	2C4RC1N7	68373079AB
LBSS	Left Blind Spot Sensor	CAN-I	04672786AB	2C4RC1N	[redacted]	2C4RC1N7	04672786AB
RBSS	Right Blind Spot Sensor	CAN-I	04672786AB	2C4RC1N	[redacted]	2C4RC1N7	04672786AB
FFCM	Forward Facing Camera Module	CAN-C	68493395AA	2C4RC1N	[redacted]	2C4RC1N7	68493395AA
EDM	External Disc Module	CAN-I	68378304AB	2C4RC1N	[redacted]	2C4RC1N7	68378304AB
APM	Accessory Power Module	CAN-C	05185046AB	2C4RC1N	[redacted]	2C4RC1N7	05185046AB
BPCM	Battery Pack Control Module	CAN-C	05193166AD	2C4RC1N	[redacted]	2C4RC1N7	05193166AD
HCP	Hybrid Control Processor	CAN-C	05190265AF	2C4RC1N	[redacted]	2C4RC1N7	05190265AF
OBCM	On Board Charging Module	CAN-C	05185047AE	2C4RC1N	[redacted]	2C4RC1N7	05185047AE
MSMP	Memory Seat Module - Passenger	CAN-I	68321862AC	2C4RC1N	[redacted]	2C4RC1N7	68321862AC
DSM	Display Screen Module	CAN-I	68316174AC	2C4RC1N	[redacted]	2C4RC1N7	68316174AC
VRM	Video Routing Module	CAN-I	68376134AG	2C4RC1N	[redacted]	2C4RC1N7	68376134AG
RCCC	Rear Cabin Comfort Controls	CAN-I	6WL30PD2AA	2C4RC1N	[redacted]	2C4RC1N7	6WL30PD2AA
CVPM	Central vision processing module	CAN-I	68375113AB	2C4RC1N	[redacted]	2C4RC1N7	68375113AB
EAC	Electric A/C Compressor	CAN-C	68237995AG	2C4RC1N	[redacted]	2C4RC1N7	68237995AG
AHCP	Auxiliary Hybrid Control Processor	CAN-C	05190266AF	2C4RC1N	[redacted]	2C4RC1N7	05190266AF
EBBM	Electronic Brake Booster Module	CAN-C	68461813AB	2C4RC1N	[redacted]	2C4RC1N7	68461813AB
ABSO	Anti Lock Brakes OBD	CAN-C	68471122AD	2C4RC1N	[redacted]	2C4RC1N7	68471122AD
SGW	Security Gateway Module	CAN-C	68447193AB		[redacted]	2C4RC1N7	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	13 18 03	4005	F5BC8401
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-	Active
HCP	P0C11-00	Drive Motor A Inverter Phase U Over Temperature-	Stored
HCP	P0C14-00	Drive Motor B Inverter Phase U Over Temperature-	Stored

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

ENVIRONMENTAL DATA SUMMARY

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

NAME	VALUE	UNITS
DTCTable	C0 02 00	
DTCExtendedDataRecordNumber	FF	
Occurance Flag	Occurrence	
TestFailedThisMonitoringCycle	True	
Test Not Completed This Monitoring Cycle	False	
Pending DTC	True	
Warning Indicator Requested	False	
TestFailed	True	
Confirmed DTC	True	
Reserved	Reserved	
RDI $6080	60 80	
Event Counter	64	
Ignition Counter	0	
Frequency Counter	2	
Most Recent Odometer Value	1360	km
Original Odometer Value	1328	km

HCP | P0C11-00 | Stored | Drive Motor A Inverter Phase U Over Temperature-

NAME	VALUE	UNITS
DTC	0C 11 00	
Test Failed	False	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Test Not Completed Since Last Clear	False	
Confirmed DTC	True	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
Occurrence flag	Occurrence	
PHEV Charging Status	No Charging	
Brake Switch Status	Not Applied	
PRND Position Display	D	
Ignition State	Reserved	
Propulsion System Active	True	
Motor A Phase U Short Fault - High-Side	False	
Motor A Phase U Cross Conduction Fault - High-Side	False	
Motor A Phase U Over Current Fault - High-Side	False	
Motor A Phase U SPI Error Fault - High-Side	False	

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

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

Motor A Phase W Under Voltage Fault VDD - High-Side	False	
Motor A Phase W Under Voltage Fault VL - Low-Side	False	
Motor A Phase W Under Voltage Fault VL - High-Side	False	
Motor A Phase W Comm Error High Voltage Regulator Fault - High-Side	False	
Motor A Phase W Over Voltage Fault VDD - Low-Side	False	
Motor A Phase W Under Voltage Fault VDD - Low-Side	False	
Motor A Phase W Cross Conduction Fault - High-Side	False	
Motor A Phase V Comm Error Low Voltage Regulator Fault - Low-Side	False	
Inverter A Status Feedback	Normal On	
Motor A Phase W Comm Error High Voltage Regulator Fault - Low-Side	False	
Motor A Phase W Under Voltage Fault VH - Low-Side	False	
Motor A Phase W Over Voltage Fault VL - Low-Side	False	
RAM stamps keyOn	255	sec
Most Recent Odometer Value	1370.1	km
Accelerator Pedal Position	0	%
Ignition Cycle Counter	0	
Frequency Counter	1	
Real time clock	3931426	sec
Engine Speed	1090	rpm
RAM Stamps	459	Min
Original Odometer Value	1370.1	km
Vehicle Speed	10.7891	km/h
Barometric Pressure	102	kPa
Inverter A Input DC Current	-18.9	AMP
Available Motor Torque - Motor A	84.375	NM
Motor A - Inverter Current - phase B	28	AMP
Electric Motor A Speed	3607.0	rpm
Motor A - Inverter Current - phase C	60	AMP
Engine Coolant Temperature	63	DegC
Motor A - Inverter Current - phase A	-96	AMP
Internal EPS Voltage Sense A	8.136	Volts
Battery Feed Voltage 2 Sense	14.616	Volts
Motor A Resolver Supply Voltage Value	15.75	Volts
Passive Pump Coolant Temp In Sensor	4	DegC
PIM DC Link Voltage - B	349	Volts
Internal EPS Voltage Sense B	8.136	Volts
Low Temp Active Pump Speed	0	rpm
High Temp Aux Pump - Actual Speed	3888	rpm
HV Battery SOC	27	%
Battery Feed Voltage 3 Sense	14.544	Volts
Battery Feed Voltage 1 Sense	14.616	Volts
Actual Torque - Motor A	-29.000	NM
Actual Torque - Motor B	-16.125	NM
Available Regen Torque - Motor A	-84.375	NM

PIM DC Link Voltage - A	352	Volts
Available Regen Torque - Motor B	-320.000	NM
Motor B - Inverter Current - phase A	20	AMP
Available Motor Torque - Motor B	320.000	NM
Motor B - Inverter Current - phase B	-28	AMP
Commanded Torque - Motor A	-29.125	NM
Outside Air Temperature	2.0	DegC
Motor B Temp Sensor	8	DegC
Electric Motor B Speed	747.0	rpm
Motor B Resolver Angle	50	Degree
Inverter A IGBT Temperature for phase B	105	DegC
Inverter B IGBT Temperature for phase A	93	DegC
HV Battery Voltage from BPCM	350.30	Volts
Inverter A IGBT Temperature for phase A	100	DegC
Inverter A IGBT Temperature for phase C	98	DegC
Motor A Torque	-29.000	NM
Inverter B IGBT Temperature for phase C	76	DegC
Inverter B IGBT Temperature for phase B	89	DegC
Motor B Torque	-16.125	NM
Distance Travelled with Light ON	0	km
GPS Date - Month	1	
Commanded Torque - Motor B	-15.875	NM
GPS Date - Day	1	Days
Motor B - Inverter Current - phase C	8	AMP
GPS Date - Year	0	Year
HV Battery Sleep Time	0	Days
ECU Time - Milliseconds	0	ms
UTC Time - Hours	0	Hours
UTC Time - Seconds	0	seconds
UTC Time - Minutes	0	

HCP | P0C14-00 | Stored | Drive Motor B Inverter Phase U Over Temperature-

NAME	VALUE	UNITS
Test Failed	False	
Test Failed This Operation Cycle	True	
DTC	0C 14 00	
Pending DTC	True	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
Occurrence flag	Occurrence	
Test Not Completed Since Last Clear	False	
Confirmed DTC	True	
Brake Switch Status	Not Applied	

PHEV Charging Status	No Charging	
Propulsion System Active	True	
PRND Position Display	R	
Ignition State	Reserved	
Commanded Inverter B State	Torque Control	
Inverter B Status Feedback	Normal On	
Motor B Phase U Thermal Shutdown Fault - High-Side	False	
Motor B Phase U Short Fault - High-Side	False	
Motor B Phase U Thermal Warning Fault - High-Side	False	
Motor B Phase U Cross Conduction Fault - High-Side	False	
Motor B Phase U Comm Error High Voltage Regulator Fault - High-Side	False	
Motor B Phase U Hardware Error Fault - High-Side	False	
Motor B Phase U SPI Error Fault - High-Side	False	
Motor B Phase U Comm Error High Voltage Regulator Fault - Low-Side	False	
Motor B Phase U Cross Conduction Fault - Low-Side	False	
Motor B Phase U Over Current Fault - Low-Side	False	
Motor B Phase U Short Fault - Low-Side	False	
Motor B Phase U SPI Error Fault - Low-Side	False	
Motor B Phase U Thermal Warning Fault - Low-Side	False	
Motor B Phase V Cross Conduction Fault - High-Side	False	
Motor B Phase V Over Current Fault - High-Side	False	
Motor B Phase V Thermal Warning Fault - High-Side	False	
Motor B Phase V Comm Error High Voltage Regulator Fault - High-Side	False	
Motor B Phase V Comm Error Low Voltage Regulator Fault - High-Side	False	
Motor B Phase V Short Fault - High-Side	False	
Motor B Phase U Thermal Shutdown Fault - Low-Side	False	
Motor B Phase U Comm Error Low Voltage Regulator Fault - Low-Side	False	
Motor B Phase V Thermal Shutdown Fault - High-Side	False	
Motor B Phase U Hardware Error Fault - Low-Side	False	
Motor B Phase V Cross Conduction Fault - Low-Side	False	
Motor B Phase V Over Current Fault - Low-Side	False	
Motor B Phase V SPI Error Fault - High-Side	False	
Motor B Phase V Hardware Error Fault - High-Side	False	
Motor B Phase V Thermal Warning Fault - Low-Side	False	
Motor B Phase V Short Fault - Low-Side	False	
Motor B Phase V Thermal Shutdown Fault - Low-Side	False	
Motor B Phase V Comm Error High Voltage Regulator Fault - Low-Side	False	
Motor B Phase V Hardware Error Fault - Low-Side	False	
Motor B Phase W Over Current Fault - High-Side	False	
Motor B Phase W Comm Error Low Voltage Regulator Fault - High-Side	False	
Motor B Phase W Short Fault - High-Side	False	
Motor B Phase V SPI Error Fault - Low-Side	False	
Motor B Phase W SPI Error Fault - High-Side	False	
Motor B Phase W Hardware Error Fault - High-Side	False	

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

Motor B Phase V Under Voltage Fault VH - Low-Side	False	
Motor B Phase V Under Voltage Fault VL - Low-Side	False	
Motor B Phase V Over Voltage Fault VDD - Low-Side	False	
Motor B Phase W Over Voltage Fault VH - High-Side	False	
Motor B Phase W Under Voltage Fault VH - High-Side	False	
Motor B Phase W Over Voltage Fault VDD - High-Side	False	
Motor B Phase W Over Voltage Fault VL - High-Side	False	
Motor B Phase W Under Voltage Fault VL - High-Side	False	
Motor B Phase W Over Voltage Fault VL - Low-Side	False	
Motor B Phase W Thermal Shutdown Fault - High-Side	False	
Motor B Phase W Over Voltage Fault VH - Low-Side	False	
Motor B Phase V Over Voltage Fault VDD - High-Side	False	
Motor B Phase W Under Voltage Fault VDD - High-Side	False	
Motor B Phase W Under Voltage Fault VL - Low-Side	False	
Motor B Phase W Over Voltage Fault VDD - Low-Side	False	
Motor B Phase V Over Voltage Fault VL - Low-Side	False	
Motor B Phase W Under Voltage Fault VDD - Low-Side	False	
Motor B Phase W Under Voltage Fault VH - Low-Side	False	
Frequency Counter	1	
RAM stamps keyOn	285	sec
Ignition Cycle Counter	0	
RAM Stamps	459	Min
Engine Coolant Temperature	66	DegC
Most Recent Odometer Value	1370.1	km
Real time clock	3931451	sec
Accelerator Pedal Position	0	%
Inverter B Input DC Current	11.0	AMP
Engine Speed	1091	rpm
Original Odometer Value	1370.1	km
Vehicle Speed	0.6797	km/h
HV Battery SOC	27	%
Barometric Pressure	102	kPa
Electric Motor B Speed	-54.5	rpm
Motor B - Inverter Current - phase B	-4	AMP
Motor B - Inverter Current - phase C	68	AMP
Internal EPS Voltage Sense B	8.136	Volts
Motor B Resolver Supply Voltage Value	15.75	Volts
Motor B - Inverter Current - phase A	-72	AMP
Battery Feed Voltage 2 Sense	14.616	Volts
Internal EPS Voltage Sense A	8.136	Volts
Actual Torque - Motor B	-56.875	NM
Available Motor Torque - Motor B	186.500	NM
Battery Feed Voltage 1 Sense	14.616	Volts
Battery Feed Voltage 3 Sense	14.544	Volts

Actual Torque - Motor A	-28.125	NM
Motor A - Inverter Current - phase A	88	AMP
Commanded Torque - Motor A	-28.500	NM
Commanded Torque - Motor B	-55.375	NM
Available Regen Torque - Motor B	-186.500	NM
Available Regen Torque - Motor A	-29.000	NM
Available Motor Torque - Motor A	29.000	NM
Motor A - Inverter Current - phase C	-72	AMP
Motor A Resolver Angle	140	Degree
HV Battery Voltage from BPCM	351.00	Volts
Electric Motor A Speed	4602.0	rpm
Motor A Temp Sensor	29	DegC
Outside Air Temperature	2.0	DegC
Motor A - Inverter Current - phase B	-20	AMP
Inverter A IGBT Temperature for phase B	111	DegC
Inverter B IGBT Temperature for phase A	108	DegC
Inverter B IGBT Temperature for phase C	90	DegC
PIM DC Link Voltage - A	352	Volts
Inverter A IGBT Temperature for phase A	108	DegC
Inverter A IGBT Temperature for phase C	106	DegC
Inverter B IGBT Temperature for phase B	105	DegC
Distance Travelled with Light ON	0	km
Motor A Torque	-28.125	NM
PIM DC Link Voltage - B	350	Volts
GPS Date - Year	0	Year
GPS Date - Month	1	
Motor B Torque	-56.875	NM
HV Battery Sleep Time	0	Days
UTC Time - Seconds	0	seconds
ECU Time - Milliseconds	0	ms
UTC Time - Hours	0	Hours
GPS Date - Day	1	Days
UTC Time - Minutes	0	

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

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

Test Not Completed Since Last Clear	False	
Warning Indicator Requested	False	
PHEV Charging Status		
Ignition State		
PRND Position Display		
Propulsion System Active		
Brake Switch Status		
Thermal System Enable State		
High Temperature Shut-Off Valve Status		
Front Refrigerant Shut-Off Valve Status		
Chiller Shut-Off Valve Status		
Hybrid System State		
CBC Wake-Up Input		
EPT LOC Diag Enable		
HV Contactor Status		
APM Status		
Impact Event		
HCP System Shutdown Command		
OBCM Operating Mode		
J1772 Prox Detected State		
Original Odometer Value		km
Frequency Counter		
Most Recent Odometer Value		km
Real time clock		sec
RAM stamps keyOn		sec
RAM Stamps		Min
A/C Refrigerant Pressure		bar
Engine Speed		rpm
Ignition Cycle Counter		
Motor A Temp Sensor		DegC
Engine Coolant Temperature		DegC
Heater Core Coolant Temp Sensor		DegC
Accelerator Pedal Position		%
Vehicle Speed		km/h
Electric Coolant Heater Temp Sensor		DegC
Motor B Temp Sensor		DegC
Outside Air Temperature		DegC
EAC Compressor Speed		rpm
High Temp Cabin Valve Feedback		degrees
Barometric Pressure		kPa
Low Temp Active Pump - Temperature		DegC
Battery Feed Voltage 2 Sense		Volts
Battery Feed Voltage 3 Sense		Volts
Radiator Fan Duty Cycle		%

Internal EPS Voltage Sense A		Volts
HV Coolant Heater - Measured Coolant Inlet Temp		DegC
Low Temp Passive Pump - Temperature		DegC
Internal EPS Voltage Sense B		Volts
HV Coolant Heater - Measured Coolant Outlet Temp		DegC
Passive Pump Coolant Temp In Sensor		DegC
HV Battery SOC		%
Battery Feed Voltage 1 Sense		Volts
Available Regen Torque - Motor A		NM
Available Motor Torque - Motor B		NM
Available Motor Torque - Motor A		NM
Available Regen Torque - Motor B		NM
Actual Torque - Motor B		NM
Motor B Resolver Angle		Degree
Commanded Torque - Motor A		NM
Commanded Torque - Motor B		NM
Motor A - Inverter Current - phase C		AMP
Motor A - Inverter Current - phase A		AMP
Motor A - Inverter Current - phase B		AMP
Motor A Resolver Angle		Degree
Motor B - Inverter Current - phase A		AMP
HV Battery Voltage from BPCM		Volts
Motor B - Inverter Current - phase C		AMP
PIM DC Link Voltage - B		Volts
PIM DC Link Voltage - A		Volts
Motor B - Inverter Current - phase B		AMP
Electric Motor A Speed		rpm
Electric Motor B Speed		rpm
Inverter A IGBT Temperature for phase A		DegC
Inverter B IGBT Temperature for phase C		DegC
Inverter A IGBT Temperature for phase C		DegC
Inverter A IGBT Temperature for phase B		DegC
Inverter B IGBT Temperature for phase B		DegC
Inverter B IGBT Temperature for phase A		DegC
Distance Travelled with Light ON		km
HV Battery Sleep Time		Days
GPS Date - Day		Days
Motor B Torque		NM
GPS Date - Year		Year
Motor A Torque		NM
GPS Date - Month		
UTC Time - Minutes		
ECU Time - Milliseconds		ms
UTC Time - Seconds		seconds

UTC Time - Hours	Hours

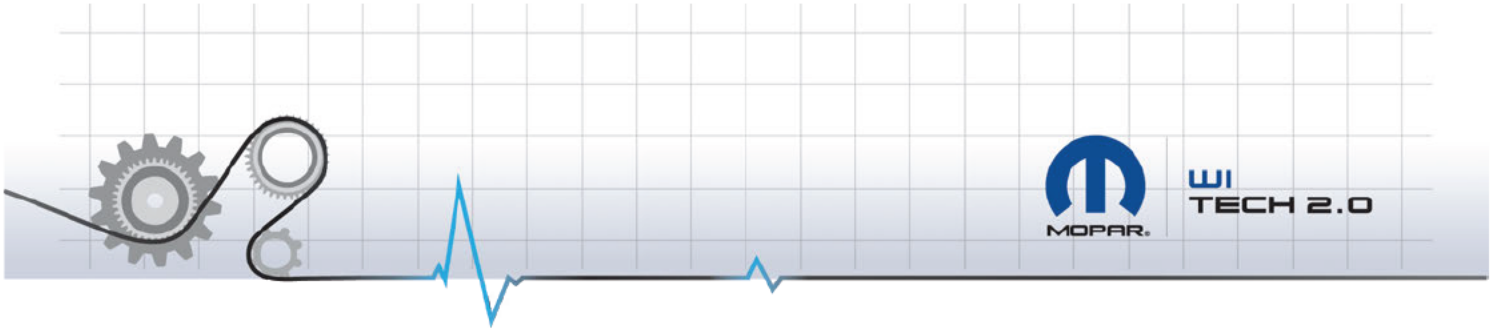
SNAPSHOT DATA SUMMARY

No Snapshot Data available for U0002-00

No Snapshot Data available for P0C11-00

No Snapshot Data available for P0C14-00

No Snapshot Data available for U0623-00



VEHICLE SCAN REPORT

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

Odometer 1241.0 km
Publication Date Jan 25, 2021, 12:06:57 PM

ECU SUMMARY INFO

ECU	NAME	BUS TYPE	FLASH PART #	CURRENT [redacted]	ORIGINAL [redacted]	PART #
PCM	Powertrain Control Module	CAN-C	68444228AE	2C4RC1N	2C4RC1N	68444228AE
ICS	Integrated Center Stack	CAN-I	6UX621X8AA	2C4RC1N	2C4RC1N	6UX621X8AA
RFH	Radio Frequency Hub	CAN-C	68453559AB	2C4RC1N	2C4RC1N	68453559AB
ESM	Electronic Shifter	CAN-C	68240089AM	2C4RC1N	2C4RC1N	68240089AM
ORC	Occupant Restraint	CAN-C	68453076AD	2C4RC1N	2C4RC1N	68453076AD
EPS	Electric Power Steering	CAN-C	68460392AA	2C4RC1N	2C4RC1N	68460392AA
HVAC	Heat, Ventilation and A/C	CAN-I	68447893AC	2C4RC1N	2C4RC1N	68447893AC
DDM	Driver Door Module	CAN-I	68424449AC	2C4RC1N	2C4RC1N	68424449AC
PDM	Passenger Door Module	CAN-I	68424448AC	2C4RC1N	2C4RC1N	68424448AC
DMRL	Door Module Rear Left	CAN-I	68225096AG	2C4RC1N	2C4RC1N	68225096AG
DMRR	Door Module Rear Right	CAN-I	68225096AG	2C4RC1N	2C4RC1N	68225096AG
PSDML	Power Sliding Doors (Left)	CAN-I	68369596AD	2C4RC1N	2C4RC1N	68369596AD
PSDMR	Power Sliding Doors (Right)	CAN-I	68369596AD	2C4RC1N	2C4RC1N	68369596AD
MSM	Memory Seat Module	CAN-I	68321862AC	2C4RC1N	2C4RC1N	68321862AC
PLGM	Power Liftgate	CAN-I	68316094AF	2C4RC1N	2C4RC1N	68316094AF
CSWM	Comfort Seat Wheel Module	CAN-I	68434912AC	2C4RC1N	2C4RC1N	68434912AC
AMP	Amplifier	CAN-I	68448067AA	2C4RC1N	2C4RC1N	68448067AA
IPC	Instrument Panel Cluster	CAN-C	68434956AC	2C4RC1N	2C4RC1N	68434956AC
PTS	Parktronics	CAN-C	68193775AJ	2C4RC1N	2C4RC1N	68193775AJ
SCCM	Steering Column Control Module	CAN-C	68360889AD	2C4RC1N	2C4RC1N	68360889AD
BCM	Body Controller	CAN-C	68424601AE	2C4RC1N	2C4RC1N	68424601AE

ACC	Adaptive Cruise Control	CAN-C	68417813AF	2C4RC1N7	2C4RC1N7	68417813AF
RADIO	Radio	CAN-I	68461768AD	2C4RC1	2C4RC1N7	68461768AD
OCM	Occupant Classification	CAN-C	68403127AA	2C4RC1N7	2C4RC1N7	68403127AA
HVACR	Heat, Ventilation and A/C Rear	CAN-I	68373079AB	2C4RC1N7	2C4RC1N7	68373079AB
LBSS	Left Blind Spot Sensor	CAN-I	04672786AB	2C4RC1N7	2C4RC1N7	04672786AB
RBSS	Right Blind Spot Sensor	CAN-I	04672786AB	2C4RC1N7	2C4RC1N7	04672786AB
FFCM	Forward Facing Camera Module	CAN-C	68493395AA	2C4RC1N7	2C4RC1N7	68493395AA
EDM	External Disc Module	CAN-I	68378304AB	2C4RC1N7	2C4RC1N7	68378304AB
APM	Accessory Power Module	CAN-C	05185046AB	2C4RC1N7	2C4RC1N7	05185046AB
BPCM	Battery Pack Control Module	CAN-C	68487194AA	2C4RC1N7	2C4RC1N7	68487194AA
HCP	Hybrid Control Processor	CAN-C	05190265AF	2C4RC1N7	2C4RC1N7	05190265AF
OBCM	On Board Charging Module	CAN-C	05185047AE	2C4RC1N7	2C4RC1N7	05185047AE
MSMP	Memory Seat Module - Passenger	CAN-I	68321862AC	2C4RC1N7	2C4RC1N7	68321862AC
DSM	Display Screen Module	CAN-I	68316174AC	2C4RC1N7	2C4RC1N7	68316174AC
VRM	Video Routing Module	CAN-I	68376134AG	2C4RC1N7	2C4RC1N7	68376134AG
RCCC	Rear Cabin Comfort Controls	CAN-I	6WL30PD2AA	2C4RC1N7	2C4RC1N7	6WL30PD2AA
CVPM	Central vision processing module	CAN-I	68375113AB	2C4RC1N7	2C4RC1N7	68375113AB
EAC	Electric A/C Compressor	CAN-C	68237995AG	2C4RC1N7	2C4RC1N7	68237995AG
AHCP	Auxiliary Hybrid Control Processor	CAN-C	05190266AF	2C4RC1N7	2C4RC1N7	05190266AF
EBBM	Electronic Brake Booster Module	CAN-C	68461813AB	2C4RC1N7	2C4RC1N7	68461813AB
ABSO	Anti Lock Brakes OBD	CAN-C	68471122AD	2C4RC1N7	2C4RC1N7	68471122AD
SGW	Security Gateway Module	CAN-C	68447193AB		2C4RC1N7	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	13 12 00	4005	D3037C3A
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
DMRL	B224F-54	Door Module Internal-Missing Calibration	Active
DMRR	B224F-54	Door Module Internal-Missing Calibration	Active
ACC	C2225-00	PCM Disabled ECU-	Active

HCP	P0642-00	Sensor Reference Voltage 1 Circuit Low-	Active
HCP	P06B1-00	Sensor Power Supply 1 Circuit Low-	Active
HCP	P0A78-00	Drive Motor A Inverter Performance-	Active
HCP	P16F9-00	HCP Internal - Shutdown Performance-	Active
HCP	P1AEC-00	MCPA HV Battery Voltage Sensor Circuit Performance-	Active
HCP	P1AEE-00	MCPA HV Battery System Voltage High-	Active
HCP	P1C8E-00	Power Supply 1 Circuit Low-	Active
HCP	U0412-00	Invalid Data Received From Battery Energy Control Module "A"-	Active
HCP	U209E-00		Active
OBCM	U209E-00	OBCM Received Implausible Data from BPCM-	Active

ENVIRONMENTAL DATA SUMMARY

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

NAME	VALUE	UNITS
Test Failed This Operation Cycle	False	
Test Failed	True	
Confirmed DTC	True	
Pending DTC	False	
Test Failed Since Last Clear	True	
Test Not Completed Since Last Clear	False	
Test Not Completed This Operation Cycle	False	
Occurrence flag	Error	
Warning Indicator Requested	False	
DTC Extended Data Record Number - All	01	
Original Odometer Value	1232	km
Most Recent Odometer Value	1232	km
Ignition Cycle Counter	0	
Frequency Counter	1	

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

NAME	VALUE	UNITS
Test Failed This Operation Cycle	False	
Test Failed	True	
Confirmed DTC	True	
Test Failed Since Last Clear	True	
Test Not Completed Since Last Clear	False	
DTC Extended Data Record Number - All	01	
Occurrence flag	Error	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
Pending DTC	False	
Original Odometer Value	1232	km
Ignition Cycle Counter	0	

Frequency Counter	1	
Most Recent Odometer Value	1232	km

ACC | C2225-00 | Active | PCM Disabled ECU-

NAME	VALUE	UNITS
Test Failed	True	
Pending DTC	False	
Test Not Completed This Operation Cycle	False	
Test Not Completed Since Last Clear	False	
Test Failed This Operation Cycle	True	
Test Failed Since Last Clear	True	
Confirmed DTC	False	
Warning Indicator Requested	True	
Occurrence flag		
PRNDL Status		
Vehicle Speed		km/hr
Object of Interest Distance		Meters
Most Recent Odometer Value		km
Operation Cycle Counter		
Engine RPM		rpm
Frequency Counter		
Engine Torque Request		N*m
Ignition Voltage		
System Voltage		Volts
Original Odometer Value		km
ACC Set Speed		km/hr

HCP | P0642-00 | Active | Sensor Reference Voltage 1 Circuit Low-

NAME	VALUE	UNITS
DTC	06 42 00	
Test Failed	True	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Not Completed This Operation Cycle	False	
Test Failed Since Last Clear	True	
Warning Indicator Requested	True	
Occurrence flag	Occurrence	
PHEV Charging Status	No Charging	
Brake Switch Status	Not Applied	
Ignition State	Reserved	
PRND Position Display	P	
Propulsion System Active	False	

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

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

Motor A Phase W Cross Conduction Fault - High-Side	False	
Motor A Phase W Over Voltage Fault VH - High-Side	False	
Motor A Phase W Over Voltage Fault VL - High-Side	False	
Motor A Phase W Under Voltage Fault VL - High-Side	False	
Motor A Phase W Over Voltage Fault VDD - High-Side	False	
Motor A Phase W Under Voltage Fault VH - High-Side	False	
Motor A Phase W Under Voltage Fault VDD - High-Side	False	
Motor A Phase W Comm Error High Voltage Regulator Fault - High-Side	False	
Motor A Phase W Under Voltage Fault VH - Low-Side	False	
Motor A Phase W Over Voltage Fault VH - Low-Side	False	
Motor A Phase W Over Voltage Fault VL - Low-Side	False	
Motor A Phase W Under Voltage Fault VL - Low-Side	False	
Motor A Phase W Over Voltage Fault VDD - Low-Side	False	
Motor A Phase W Under Voltage Fault VDD - Low-Side	False	
Motor A Phase W Comm Error High Voltage Regulator Fault - Low-Side	False	
Inverter A Status Feedback	Inverter Faulted	
Original Odometer Value	1241.0	km
Frequency Counter	1	
Most Recent Odometer Value	1241.0	km
Ignition Cycle Counter	0	
Real time clock	5307	sec
RAM stamps keyOn	45	sec
RAM Stamps	6222	Min
Accelerator Pedal Position	0	%
Engine Speed	0	rpm
Vehicle Speed	0.0000	km/h
HV Battery SOC	29	%
Barometric Pressure	100	kPa
Engine Coolant Temperature	17	DegC
Actual Torque - Motor A	0.000	NM
Available Motor Torque - Motor A	10.125	NM
Inverter A Input DC Current	0.0	AMP
Electric Motor A Speed	0.0	rpm
Motor A - Inverter Current - phase A	-4	AMP
Motor A - Inverter Current - phase B	0	AMP
Motor A - Inverter Current - phase C	0	AMP
Battery Feed Voltage 2 Sense	12.240	Volts
Motor A Resolver Supply Voltage Value	03FD	Volts
Battery Feed Voltage 3 Sense	12.312	Volts
Internal EPS Voltage Sense A	0.072	Volts
Internal EPS Voltage Sense B	0.000	Volts
Low Temp Active Pump Speed	0	rpm
PIM DC Link Voltage - A	7	Volts
PIM DC Link Voltage - B	4	Volts

Passive Pump Coolant Temp In Sensor	16	DegC
Outside Air Temperature	17.0	DegC
High Temp Aux Pump - Actual Speed	0	rpm
Available Motor Torque - Motor B	315.000	NM
Actual Torque - Motor B	0.000	NM
Battery Feed Voltage 1 Sense	12.168	Volts
Available Regen Torque - Motor A	-10.125	NM
Available Regen Torque - Motor B	-315.000	NM
Commanded Torque - Motor A	0.000	NM
Motor B - Inverter Current - phase A	0	AMP
Commanded Torque - Motor B	0.000	NM
Motor B - Inverter Current - phase B	0	AMP
Motor B Resolver Angle	126	Degree
Motor B - Inverter Current - phase C	0	AMP
Motor B Temp Sensor	19	DegC
Electric Motor B Speed	0.0	rpm
HV Battery Voltage from BPCM	180.00	Volts
Inverter A IGBT Temperature for phase B	19	DegC
Inverter A IGBT Temperature for phase A	19	DegC
Inverter A IGBT Temperature for phase C	19	DegC
Inverter B IGBT Temperature for phase B	18	DegC
Inverter B IGBT Temperature for phase A	19	DegC
Inverter B IGBT Temperature for phase C	18	DegC
Distance Travelled with Light ON	0	km
Motor A Torque	0.000	NM
Motor B Torque	0.000	NM
HV Battery Sleep Time	0	Days
GPS Date - Year	0	Year
GPS Date - Month	1	
GPS Date - Day	1	Days
UTC Time - Hours	0	Hours
UTC Time - Minutes	0	
UTC Time - Seconds	0	seconds
ECU Time - Milliseconds	0	ms

HCP | P06B1-00 | Active | Sensor Power Supply 1 Circuit Low-

NAME	VALUE	UNITS
DTC	06 B1 00	
Pending DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	True	
Test Failed	True	

Test Failed This Operation Cycle	True	
Occurrence flag	Occurrence	
Confirmed DTC	True	
Brake Switch Status	Not Applied	
PHEV Charging Status	No Charging	
PRND Position Display	P	
Propulsion System Active	False	
Ignition State	Reserved	
Motor A Resolver Offset Learning Status Flag	Applied	
Motor B Resolver Offset Learning Status Flag	Applied	
Motor A Resolver Offset Learn Erase	not requested	
Motor B Resolver to Digital Low Level Driver Faults	No fault	
Motor A Resolver to Digital Low Level Driver Faults	No fault	
Hybrid System State	SNA	
HCP ePT Wake-Up Output	On	
CBC Wake-Up Input	Off	
EPT LOC Diag Enable	Enable LOC Diagnostic	
HV Contactor Status	Open	
HCP System Shutdown Command	Default	
Impact Event	False	
APM Status	Idle	
J1772 Prox Detected State	Prox Out	
Motor B Resolver Offset Learn Erase	not requested	
OBCM Operating Mode	UTC	
Original Odometer Value	1241.0	km
Frequency Counter	1	
RAM Stamps	6222	Min
RAM stamps keyOn	45	sec
Real time clock	5306	sec
Ignition Cycle Counter	0	
Accelerator Pedal Position	0	%
Engine Speed	0	rpm
Most Recent Odometer Value	1241.0	km
HV Battery SOC	29	%
Motor B Temp Sensor	19	DegC
Motor A Temp Sensor	19	DegC
Vehicle Speed	0.0000	km/h
Motor A Resolver Angle Offset	2.00	Degree
Battery Feed Voltage 2 Sense	12.240	Volts
Internal EPS Voltage Sense A	0.072	Volts
Barometric Pressure	100	kPa
Engine Coolant Temperature	17	DegC
Available Motor Torque - Motor A	0.000	NM
Motor A Resolver Supply Voltage Value	03FD	Volts

Available Regen Torque - Motor A	0.000	NM
Commanded Torque - Motor A	0.000	NM
Electric Motor B Speed	0.0	rpm
Motor B Resolver Angle Offset	3.60	Degree
Actual Torque - Motor B	0.000	NM
Internal EPS Voltage Sense B	0.000	Volts
Motor B Resolver Supply Voltage Value	15.75	Volts
Commanded Torque - Motor B	0.000	NM
Available Motor Torque - Motor B	315.000	NM
Actual Torque - Motor A	0.000	NM
Electric Motor A Speed	0.0	rpm
Available Regen Torque - Motor B	-315.000	NM
Battery Feed Voltage 3 Sense	12.312	Volts
Motor A - Inverter Current - phase B	-4	AMP
Motor A - Inverter Current - phase A	-4	AMP
Motor B - Inverter Current - phase C	0	AMP
Outside Air Temperature	17.0	DegC
Motor B - Inverter Current - phase B	0	AMP
Motor B - Inverter Current - phase A	0	AMP
Battery Feed Voltage 1 Sense	12.168	Volts
PIM DC Link Voltage - A	7	Volts
HV Battery Voltage from BPCM	180.00	Volts
PIM DC Link Voltage - B	4	Volts
Motor A - Inverter Current - phase C	0	AMP
Inverter A IGBT Temperature for phase A	0	DegC
Inverter A IGBT Temperature for phase C	0	DegC
Inverter B IGBT Temperature for phase A	0	DegC
Inverter B IGBT Temperature for phase C	0	DegC
Inverter A IGBT Temperature for phase B	0	DegC
Distance Travelled with Light ON	0	km
Inverter B IGBT Temperature for phase B	0	DegC
GPS Date - Month	1	
HV Battery Sleep Time	0	Days
Motor B Torque	0.000	NM
GPS Date - Year	0	Year
Motor A Torque	0.000	NM
GPS Date - Day	1	Days
UTC Time - Minutes	0	
UTC Time - Hours	0	Hours
UTC Time - Seconds	0	seconds
ECU Time - Milliseconds	0	ms

HCP | P0A78-00 | Active | Drive Motor A Inverter Performance-

NAME	VALUE	UNITS

DTC	0A 78 00	
Test Failed	True	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Not Completed This Operation Cycle	False	
Test Failed Since Last Clear	True	
Warning Indicator Requested	True	
Occurrence flag	Occurrence	
Brake Switch Status	Not Applied	
PHEV Charging Status	No Charging	
PRND Position Display	P	
Propulsion System Active	False	
Ignition State	Reserved	
Motor A Phase U Short Fault - High-Side	False	
Motor A Phase U Cross Conduction Fault - High-Side	False	
Motor A Phase U Over Current Fault - High-Side	False	
Motor A Phase U Thermal Warning Fault - High-Side	False	
Motor A Phase U Thermal Shutdown Fault - High-Side	False	
Motor A Phase U Comm Error High Voltage Regulator Fault - High-Side	False	
Motor A Phase U Comm Error Low Voltage Regulator Fault - High-Side	False	
Motor A Phase U SPI Error Fault - High-Side	True	
Motor A Phase U Hardware Error Fault - High-Side	True	
Motor A Phase U Short Fault - Low-Side	False	
Motor A Phase U Cross Conduction Fault - Low-Side	False	
Motor A Phase U Over Current Fault - Low-Side	False	
Motor A Phase U Thermal Warning Fault - Low-Side	False	
Motor A Phase U Thermal Shutdown Fault - Low-Side	False	
Motor A Phase U SPI Error Fault - Low-Side	True	
Motor A Phase U Hardware Error Fault - Low-Side	True	
Motor A Phase V Short Fault - High-Side	False	
Motor A Phase V Over Current Fault - High-Side	False	
Motor A Phase V Cross Conduction Fault - High-Side	False	
Motor A Phase V Thermal Warning Fault - High-Side	False	
Motor A Phase V Thermal Shutdown Fault - High-Side	False	
Motor A Phase V Comm Error High Voltage Regulator Fault - High-Side	False	
Motor A Phase V Comm Error Low Voltage Regulator Fault - High-Side	False	
Motor A Phase V SPI Error Fault - High-Side	True	
Motor A Phase V Hardware Error Fault - High-Side	True	
Motor A Phase V Short Fault - Low-Side	False	
Motor A Phase V Over Current Fault - Low-Side	False	
Motor A Phase V Cross Conduction Fault - Low-Side	False	
Motor A Phase V Thermal Warning Fault - Low-Side	False	

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

Motor A Phase U Comm Error Low Voltage Regulator Fault - Low-Side	False	
Motor A Phase V Under Voltage Fault VH - High-Side	False	
Motor A Phase V Over Voltage Fault VH - High-Side	False	
Motor A Phase V Over Voltage Fault VL - High-Side	False	
Motor A Phase V Under Voltage Fault VL - High-Side	False	
Motor A Phase V Under Voltage Fault VDD - High-Side	False	
Motor A Phase V Over Voltage Fault VH - Low-Side	False	
Motor A Phase V Over Voltage Fault VDD - High-SideSide	False	
Motor A Phase V Under Voltage Fault VH - Low-Side	False	
Motor A Phase V Over Voltage Fault VL - Low-Side	False	
Motor A Phase V Under Voltage Fault VL - Low-Side	False	
Motor A Phase V Over Voltage Fault VDD - Low-Side	False	
Motor A Phase V Under Voltage Fault VDD - Low-Side	False	
Motor A Phase V Comm Error High Voltage Regulator Fault - Low-Side	False	
Motor A Phase V Comm Error Low Voltage Regulator Fault - Low-Side	False	
Motor A Phase W Cross Conduction Fault - High-Side	False	
Motor A Phase W Over Voltage Fault VH - High-Side	False	
Motor A Phase W Under Voltage Fault VH - High-Side	False	
Motor A Phase W Over Voltage Fault VL - High-Side	False	
Motor A Phase W Over Voltage Fault VDD - High-Side	False	
Motor A Phase W Under Voltage Fault VL - High-Side	False	
Motor A Phase W Comm Error High Voltage Regulator Fault - High-Side	False	
Motor A Phase W Under Voltage Fault VDD - High-Side	False	
Motor A Phase W Over Voltage Fault VH - Low-Side	False	
Motor A Phase W Under Voltage Fault VH - Low-Side	False	
Motor A Phase W Over Voltage Fault VL - Low-Side	False	
Motor A Phase W Under Voltage Fault VL - Low-Side	False	
Motor A Phase W Over Voltage Fault VDD - Low-Side	False	
Motor A Phase W Under Voltage Fault VDD - Low-Side	False	
Motor A Phase W Comm Error High Voltage Regulator Fault - Low-Side	False	
Inverter A Status Feedback	Inverter Faulted	
Original Odometer Value	1241.0	km
Frequency Counter	1	
Most Recent Odometer Value	1241.0	km
Real time clock	5307	sec
Ignition Cycle Counter	0	
RAM stamps keyOn	45	sec
RAM Stamps	6222	Min
Accelerator Pedal Position	0	%
HV Battery SOC	29	%
Engine Speed	0	rpm
Vehicle Speed	0.0000	km/h
Barometric Pressure	100	kPa
Actual Torque - Motor A	0.000	NM

Engine Coolant Temperature	17	DegC
Available Motor Torque - Motor A	0.000	NM
Inverter A Input DC Current	0.0	AMP
Electric Motor A Speed	0.0	rpm
Motor A - Inverter Current - phase C	-4	AMP
Motor A - Inverter Current - phase B	0	AMP
Battery Feed Voltage 2 Sense	12.240	Volts
Motor A - Inverter Current - phase A	0	AMP
Motor A Resolver Supply Voltage Value	03FD	Volts
Internal EPS Voltage Sense A	0.072	Volts
Battery Feed Voltage 3 Sense	12.312	Volts
Internal EPS Voltage Sense B	0.000	Volts
PIM DC Link Voltage - B	4	Volts
PIM DC Link Voltage - A	7	Volts
Passive Pump Coolant Temp In Sensor	16	DegC
Low Temp Active Pump Speed	0	rpm
High Temp Aux Pump - Actual Speed	0	rpm
Outside Air Temperature	17.0	DegC
Battery Feed Voltage 1 Sense	12.168	Volts
Actual Torque - Motor B	0.000	NM
Available Regen Torque - Motor B	-315.000	NM
Available Regen Torque - Motor A	0.000	NM
Available Motor Torque - Motor B	315.000	NM
Commanded Torque - Motor A	0.000	NM
Commanded Torque - Motor B	0.000	NM
Motor B - Inverter Current - phase B	0	AMP
Motor B - Inverter Current - phase C	0	AMP
Motor B - Inverter Current - phase A	0	AMP
Motor B Temp Sensor	19	DegC
Motor B Resolver Angle	126	Degree
HV Battery Voltage from BPCM	180.00	Volts
Inverter A IGBT Temperature for phase A	19	DegC
Electric Motor B Speed	0.0	rpm
Inverter A IGBT Temperature for phase C	19	DegC
Inverter A IGBT Temperature for phase B	19	DegC
Inverter B IGBT Temperature for phase A	19	DegC
Inverter B IGBT Temperature for phase B	18	DegC
Distance Travelled with Light ON	0	km
Motor A Torque	0.000	NM
Motor B Torque	0.000	NM
Inverter B IGBT Temperature for phase C	18	DegC
HV Battery Sleep Time	0	Days
GPS Date - Year	0	Year
GPS Date - Month	1	

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

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

NAME	VALUE	UNITS
DTC	16 F9 00	
Confirmed DTC	True	
Test Failed	True	
Test Not Completed Since Last Clear	False	
Pending DTC	True	
Test Failed This Operation Cycle	True	
Test Failed Since Last Clear	True	
DTC Extended Data Record Number	05	
Occurrence flag	Occurrence	
Warning Indicator Requested	True	
Test Not Completed This Operation Cycle	False	
PHEV Charging Status	No Charging	
Ignition State	Reserved	
Propulsion System Active	False	
Brake Switch Status	Not Applied	
Expendable NVM CRC Status	Passed	
Main Processor Reset Source - Core 0	Power Up	
Cumulative NVM CRC Status	Passed	
Main Processor Reset Source - Core 1	Power Up	
Adaptable NVM CRC Status	Passed	
Preserved NVM CRC Status	Passed	
Static NVM CRC Status	Passed	
PRND Position Display	P	
Non Volatile RAM CRC Status	Passed	
MCPInit EEPROM CRC Status	Passed	
MCPUninit EEPROM CRC Status	Passed	
BSW EEPROM CRC Status	Passed	
MemShare ARC Error Count- Core 1	03	
HCP - MCPA SPI CRC Error Count	00	
MCPB - MCPA SPI CRC Error Count	00	
MCPB - MCPA SPI ARC Error Count	00	
HCP - MCPA SPI ARC Error Count	00	
Main Stack Fault	False	
MemShare CRC Error Count- Core 1	FF	
MainTPU_Flt	False	
Main Analog-to-Digital Converter Fault	False	

MemShare CRC Error Count- Core 0	20	
External Watchdog Fault	False	
Main Detected Seed Received In Wrong Order	False	
MAIN ALU Fault	False	
MAIN Detected SPI Fault	False	
MemShare ARC Error Count- Core 0	00	
Main Clock Fault	False	
Hybrid System State	SNA	
CBC Wake-Up Input	Off	
EPT LOC Diag Enable	Enable LOC Diagnostic	
HCP ePT Wake-Up Output	On	
HV Contactor Status	Open	
Impact Event	False	
APM Status	Idle	
HCP System Shutdown Command	Default	
OBCM Operating Mode	UTC	
J1772 Prox Detected State	Prox Out	
Most Recent Odometer Value	1241.0	km
Frequency Counter	1	
RAM stamps keyOn	45	sec
Original Odometer Value	1241.0	km
RAM Stamps	6222	Min
Engine Speed	0	rpm
Accelerator Pedal Position	0	%
Vehicle Speed	0.0000	km/h
Ignition Cycle Counter	0	
Real time clock	5306	sec
HV Battery SOC	29	%
Barometric Pressure	100	kPa
Internal EPS Voltage Sense A	0.072	Volts
Internal EPS Voltage Sense B	0.000	Volts
Engine Coolant Temperature	17	DegC
Battery Feed Voltage 2 Sense	12.240	Volts
Battery Feed Voltage 1 Sense	12.168	Volts
Battery Feed Voltage 3 Sense	12.312	Volts
Available Motor Torque - Motor A	0.000	NM
Available Regen Torque - Motor B	-315.000	NM
Commanded Torque - Motor B	0.000	NM
Actual Torque - Motor A	0.000	NM
Motor A - Inverter Current - phase C	-4	AMP
Motor A - Inverter Current - phase B	-4	AMP
Actual Torque - Motor B	0.000	NM
Available Motor Torque - Motor B	315.000	NM
Available Regen Torque - Motor A	0.000	NM

Motor B - Inverter Current - phase B	-4	AMP
Motor B - Inverter Current - phase A	0	AMP
Motor A - Inverter Current - phase A	0	AMP
Motor A Resolver Angle	196	Degree
Motor B - Inverter Current - phase C	0	AMP
Commanded Torque - Motor A	0.000	NM
HV Battery Voltage from BPCM	180.00	Volts
Electric Motor A Speed	0.0	rpm
Motor B Resolver Angle	126	Degree
Motor B Temp Sensor	19	DegC
Inverter A IGBT Temperature for phase A	0	DegC
Outside Air Temperature	17.0	DegC
Motor A Temp Sensor	19	DegC
Inverter B IGBT Temperature for phase A	0	DegC
Inverter A IGBT Temperature for phase C	0	DegC
PIM DC Link Voltage - B	4	Volts
PIM DC Link Voltage - A	7	Volts
Inverter B IGBT Temperature for phase C	0	DegC
Electric Motor B Speed	0.0	rpm
Inverter A IGBT Temperature for phase B	0	DegC
Motor B Torque	0.000	NM
UTC Time - Hours	0	Hours
GPS Date - Year	0	Year
Inverter B IGBT Temperature for phase B	0	DegC
HV Battery Sleep Time	0	Days
Distance Travelled with Light ON	0	km
Motor A Torque	0.000	NM
GPS Date - Day	1	Days
GPS Date - Month	1	
ECU Time - Milliseconds	0	ms
UTC Time - Seconds	0	seconds
UTC Time - Minutes	0	

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

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

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

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

Motor A Phase V Under Voltage Fault VL - Low-Side		
Motor A Phase V Over Voltage Fault VL - Low-Side		
Motor A Phase V Over Voltage Fault VDD - Low-Side		
Motor A Phase V Comm Error High Voltage Regulator Fault - Low-Side		
Motor A Phase V Under Voltage Fault VDD - Low-Side		
Motor A Phase V Comm Error Low Voltage Regulator Fault - Low-Side		
Motor A Phase W Cross Conduction Fault - High-Side		
Motor A Phase W Over Voltage Fault VH - High-Side		
Motor A Phase W Under Voltage Fault VH - High-Side		
Motor A Phase W Over Voltage Fault VL - High-Side		
Motor A Phase W Under Voltage Fault VL - High-Side		
Motor A Phase W Over Voltage Fault VDD - High-Side		
Motor A Phase W Under Voltage Fault VDD - High-Side		
Motor A Phase W Comm Error High Voltage Regulator Fault - High-Side		
Motor A Phase W Over Voltage Fault VH - Low-Side		
Motor A Phase W Under Voltage Fault VH - Low-Side		
Motor A Phase W Over Voltage Fault VL - Low-Side		
Motor A Phase W Under Voltage Fault VL - Low-Side		
Motor A Phase W Under Voltage Fault VDD - Low-Side		
Motor A Phase W Over Voltage Fault VDD - Low-Side		
Motor A Phase W Comm Error High Voltage Regulator Fault - Low-Side		
Inverter A Status Feedback		
Most Recent Odometer Value		km
Original Odometer Value		km
Ignition Cycle Counter		
Frequency Counter		
RAM Stamps		Min
Real time clock		sec
RAM stamps keyOn		sec
Accelerator Pedal Position		%
Engine Speed		rpm
HV Battery SOC		%
Barometric Pressure		kPa
Vehicle Speed		km/h
Engine Coolant Temperature		DegC
Actual Torque - Motor A		NM
Available Motor Torque - Motor A		NM
Inverter A Input DC Current		AMP
Electric Motor A Speed		rpm
Motor A - Inverter Current - phase B		AMP
Motor A - Inverter Current - phase A		AMP
Motor A - Inverter Current - phase C		AMP
Battery Feed Voltage 2 Sense		Volts
Motor A Resolver Supply Voltage Value		Volts

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

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

NAME	VALUE	UNITS
DTC	1A EE 00	

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

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

Motor A Phase V Over Voltage Fault VH - High-Side	False	
Motor A Phase V Under Voltage Fault VH - High-Side	False	
Motor A Phase V Over Voltage Fault VL - High-Side	False	
Motor A Phase V Under Voltage Fault VL - High-Side	False	
Motor A Phase V Under Voltage Fault VDD - High-Side	False	
Motor A Phase V Over Voltage Fault VDD - High-SideSide	False	
Motor A Phase V Over Voltage Fault VH - Low-Side	False	
Motor A Phase V Under Voltage Fault VH - Low-Side	False	
Motor A Phase V Over Voltage Fault VL - Low-Side	False	
Motor A Phase V Under Voltage Fault VL - Low-Side	False	
Motor A Phase V Under Voltage Fault VDD - Low-Side	False	
Motor A Phase V Comm Error High Voltage Regulator Fault - Low-Side	False	
Motor A Phase V Over Voltage Fault VDD - Low-Side	False	
Motor A Phase V Comm Error Low Voltage Regulator Fault - Low-Side	False	
Motor A Phase W Over Voltage Fault VH - High-Side	False	
Motor A Phase W Cross Conduction Fault - High-Side	False	
Motor A Phase W Under Voltage Fault VH - High-Side	False	
Motor A Phase W Under Voltage Fault VL - High-Side	False	
Motor A Phase W Over Voltage Fault VDD - High-Side	False	
Motor A Phase W Over Voltage Fault VL - High-Side	False	
Motor A Phase W Under Voltage Fault VDD - High-Side	False	
Motor A Phase W Comm Error High Voltage Regulator Fault - High-Side	False	
Motor A Phase W Over Voltage Fault VH - Low-Side	False	
Motor A Phase W Under Voltage Fault VH - Low-Side	False	
Motor A Phase W Over Voltage Fault VL - Low-Side	False	
Motor A Phase W Under Voltage Fault VL - Low-Side	False	
Motor A Phase W Under Voltage Fault VDD - Low-Side	False	
Motor A Phase W Over Voltage Fault VDD - Low-Side	False	
Motor A Phase W Comm Error High Voltage Regulator Fault - Low-Side	False	
Inverter A Status Feedback	Inverter Faulted	
Frequency Counter	1	
Original Odometer Value	1241.0	km
Most Recent Odometer Value	1241.0	km
Ignition Cycle Counter	0	
Real time clock	5307	sec
RAM stamps keyOn	45	sec
Accelerator Pedal Position	0	%
RAM Stamps	6222	Min
HV Battery SOC	29	%
Engine Speed	0	rpm
Barometric Pressure	100	kPa
Vehicle Speed	0.0000	km/h
Engine Coolant Temperature	17	DegC
Available Motor Torque - Motor A	0.000	NM

Actual Torque - Motor A	0.000	NM
Electric Motor A Speed	0.0	rpm
Inverter A Input DC Current	0.0	AMP
Motor A - Inverter Current - phase A	0	AMP
Motor A - Inverter Current - phase B	-4	AMP
Motor A - Inverter Current - phase C	0	AMP
Motor A Resolver Supply Voltage Value	03FD	Volts
Battery Feed Voltage 3 Sense	12.312	Volts
Battery Feed Voltage 2 Sense	12.240	Volts
Internal EPS Voltage Sense B	0.000	Volts
Internal EPS Voltage Sense A	0.072	Volts
PIM DC Link Voltage - B	4	Volts
PIM DC Link Voltage - A	7	Volts
Passive Pump Coolant Temp In Sensor	16	DegC
High Temp Aux Pump - Actual Speed	0	rpm
Outside Air Temperature	17.0	DegC
Low Temp Active Pump Speed	0	rpm
Battery Feed Voltage 1 Sense	12.168	Volts
Available Motor Torque - Motor B	315.000	NM
Actual Torque - Motor B	0.000	NM
Available Regen Torque - Motor A	0.000	NM
Available Regen Torque - Motor B	-315.000	NM
Commanded Torque - Motor A	0.000	NM
Commanded Torque - Motor B	0.000	NM
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 Temp Sensor	19	DegC
Motor B Resolver Angle	126	Degree
Electric Motor B Speed	0.0	rpm
HV Battery Voltage from BPCM	180.00	Volts
Inverter A IGBT Temperature for phase B	19	DegC
Inverter A IGBT Temperature for phase A	19	DegC
Inverter A IGBT Temperature for phase C	19	DegC
Inverter B IGBT Temperature for phase A	19	DegC
Inverter B IGBT Temperature for phase B	18	DegC
Inverter B IGBT Temperature for phase C	19	DegC
Distance Travelled with Light ON	0	km
Motor B Torque	0.000	NM
HV Battery Sleep Time	0	Days
Motor A Torque	0.000	NM
GPS Date - Day	1	Days
GPS Date - Year	0	Year
UTC Time - Hours	0	Hours

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

HCP | P1C8E-00 | Active | Power Supply 1 Circuit Low-

NAME	VALUE	UNITS
DTC	1C 8E 00	
Test Failed	True	
Pending DTC	True	
Test Failed This Operation Cycle	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	True	
Occurrence flag	Occurrence	
Brake Switch Status	Not Applied	
PHEV Charging Status	No Charging	
Ignition State	Reserved	
PRND Position Display	P	
Propulsion System Active	False	
Motor A Phase U Short Fault - High-Side	False	
Motor A Phase U Cross Conduction Fault - High-Side	False	
Motor A Phase U Over Current Fault - High-Side	False	
Motor A Phase U Thermal Warning Fault - High-Side	False	
Motor A Phase U Thermal Shutdown Fault - High-Side	False	
Motor A Phase U Comm Error High Voltage Regulator Fault - High-Side	False	
Motor A Phase U Comm Error Low Voltage Regulator Fault - High-Side	False	
Motor A Phase U SPI Error Fault - High-Side	True	
Motor A Phase U Hardware Error Fault - High-Side	True	
Motor A Phase U Short Fault - Low-Side	False	
Motor A Phase U Cross Conduction Fault - Low-Side	False	
Motor A Phase U Over Current Fault - Low-Side	False	
Motor A Phase U Thermal Shutdown Fault - Low-Side	False	
Motor A Phase U Thermal Warning Fault - Low-Side	False	
Motor A Phase U SPI Error Fault - Low-Side	True	
Motor A Phase U Hardware Error Fault - Low-Side	True	
Motor A Phase V Short Fault - High-Side	False	
Motor A Phase V Cross Conduction Fault - High-Side	False	
Motor A Phase V Over Current Fault - High-Side	False	
Motor A Phase V Thermal Warning Fault - High-Side	False	
Motor A Phase V Thermal Shutdown Fault - High-Side	False	
Motor A Phase V Comm Error Low Voltage Regulator Fault - High-Side	False	

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

Motor A Phase U Over Voltage Fault VH - Low-Side	False	
Motor A Phase U Under Voltage Fault VH - Low-Side	False	
Motor A Phase U Over Voltage Fault VL - Low-Side	False	
Motor A Phase U Under Voltage Fault VL - Low-Side	False	
Motor A Phase U Over Voltage Fault VDD - Low-Side	False	
Motor A Phase U Under Voltage Fault VDD - Low-Side	False	
Motor A Phase U Comm Error High Voltage Regulator Fault - Low-Side	False	
Motor A Phase U Comm Error Low Voltage Regulator Fault - Low-Side	False	
Motor A Phase V Over Voltage Fault VH - High-Side	False	
Motor A Phase V Under Voltage Fault VH - High-Side	False	
Motor A Phase V Under Voltage Fault VL - High-Side	False	
Motor A Phase V Over Voltage Fault VL - High-Side	False	
Motor A Phase V Over Voltage Fault VDD - High-SideSide	False	
Motor A Phase V Under Voltage Fault VDD - High-Side	False	
Motor A Phase V Over Voltage Fault VH - Low-Side	False	
Motor A Phase V Under Voltage Fault VH - Low-Side	False	
Motor A Phase V Over Voltage Fault VL - Low-Side	False	
Motor A Phase V Under Voltage Fault VL - Low-Side	False	
Motor A Phase V Over Voltage Fault VDD - Low-Side	False	
Motor A Phase V Under Voltage Fault VDD - Low-Side	False	
Motor A Phase V Comm Error High Voltage Regulator Fault - Low-Side	False	
Motor A Phase V Comm Error Low Voltage Regulator Fault - Low-Side	False	
Motor A Phase W Cross Conduction Fault - High-Side	False	
Motor A Phase W Over Voltage Fault VH - High-Side	False	
Motor A Phase W Over Voltage Fault VL - High-Side	False	
Motor A Phase W Under Voltage Fault VH - High-Side	False	
Motor A Phase W Under Voltage Fault VL - High-Side	False	
Motor A Phase W Over Voltage Fault VDD - High-Side	False	
Motor A Phase W Under Voltage Fault VDD - High-Side	False	
Motor A Phase W Comm Error High Voltage Regulator Fault - High-Side	False	
Motor A Phase W Over Voltage Fault VH - Low-Side	False	
Motor A Phase W Under Voltage Fault VH - Low-Side	False	
Motor A Phase W Over Voltage Fault VL - Low-Side	False	
Motor A Phase W Over Voltage Fault VDD - Low-Side	False	
Motor A Phase W Under Voltage Fault VL - Low-Side	False	
Motor A Phase W Under Voltage Fault VDD - Low-Side	False	
Motor A Phase W Comm Error High Voltage Regulator Fault - Low-Side	False	
Inverter A Status Feedback	Inverter Faulted	
Original Odometer Value	1241.0	km
Most Recent Odometer Value	1241.0	km
Real time clock	5529	sec
Ignition Cycle Counter	0	
Frequency Counter	1	
RAM Stamps	6226	Min

RAM stamps keyOn	270	sec
Accelerator Pedal Position	0	%
HV Battery SOC	29	%
Engine Speed	0	rpm
Engine Coolant Temperature	17	DegC
Vehicle Speed	0.0000	km/h
Barometric Pressure	100	kPa
Actual Torque - Motor A	0.000	NM
Available Motor Torque - Motor A	0.000	NM
Inverter A Input DC Current	0.0	AMP
Electric Motor A Speed	0.0	rpm
Motor A - Inverter Current - phase A	-4	AMP
Motor A - Inverter Current - phase C	-4	AMP
Motor A - Inverter Current - phase B	0	AMP
Motor A Resolver Supply Voltage Value	03FD	Volts
Battery Feed Voltage 2 Sense	12.240	Volts
Battery Feed Voltage 3 Sense	12.312	Volts
Internal EPS Voltage Sense B	0.000	Volts
Internal EPS Voltage Sense A	0.072	Volts
PIM DC Link Voltage - A	138	Volts
Passive Pump Coolant Temp In Sensor	16	DegC
PIM DC Link Voltage - B	6	Volts
Low Temp Active Pump Speed	0	rpm
Outside Air Temperature	17.0	DegC
High Temp Aux Pump - Actual Speed	0	rpm
Battery Feed Voltage 1 Sense	12.168	Volts
Actual Torque - Motor B	0.000	NM
Available Motor Torque - Motor B	315.000	NM
Available Regen Torque - Motor B	-315.000	NM
Available Regen Torque - Motor A	0.000	NM
Commanded Torque - Motor A	0.000	NM
Motor B - Inverter Current - phase A	0	AMP
Motor B - Inverter Current - phase B	-4	AMP
Motor B - Inverter Current - phase C	0	AMP
Commanded Torque - Motor B	0.000	NM
Motor B Temp Sensor	19	DegC
Motor B Resolver Angle	126	Degree
HV Battery Voltage from BPCM	180.00	Volts
Electric Motor B Speed	0.0	rpm
Inverter A IGBT Temperature for phase B	19	DegC
Inverter A IGBT Temperature for phase A	19	DegC
Inverter A IGBT Temperature for phase C	19	DegC
Inverter B IGBT Temperature for phase A	19	DegC
Inverter B IGBT Temperature for phase B	19	DegC

Inverter B IGBT Temperature for phase C	19	DegC
Distance Travelled with Light ON	0	km
Motor A Torque	0.000	NM
Motor B Torque	0.000	NM
GPS Date - Year	0	Year
HV Battery Sleep Time	0	Days
GPS Date - Month	1	
GPS Date - Day	1	Days
UTC Time - Minutes	0	
UTC Time - Seconds	0	seconds
ECU Time - Milliseconds	0	ms
UTC Time - Hours	0	Hours

HCP | U0412-00 | Active | Invalid Data Received From Battery Energy Control Module "A"-

NAME	VALUE	UNITS
DTC	C4 12 00	
Pending DTC	True	
Confirmed DTC	True	
Test Failed	True	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Test Not Completed Since Last Clear	False	
Test Failed This Operation Cycle	True	
Warning Indicator Requested	True	
Occurrence flag	Occurrence	
Brake Switch Status	Not Applied	
Ignition State	Reserved	
PRND Position Display	P	
Propulsion System Active	False	
SW Build Release Version	PIM_C19A_2003B0_RU_HCP__	
HCP ePT Wake-Up Output	On	
HV Contactor Status	Open	
APM Status	Idle	
HCP System Shutdown Command	Default	
CBC Wake-Up Input	Off	
OBCM Operating Mode	UTC	
EPT LOC Diag Enable	Enable LOC Diagnostic	
J1772 Prox Detected State	Prox Out	
HCP SW Version	C19A	
Impact Event	False	
Hybrid System State	SNA	
PHEV Charging Status	No Charging	
Original Odometer Value	1241.0	km
RAM stamps keyOn	45	sec

Real time clock	5306	sec
Frequency Counter	1	
Ignition Cycle Counter	0	
RAM Stamps	6222	Min
Engine Speed	0	rpm
HV Battery SOC	29	%
Accelerator Pedal Position	0	%
Vehicle Speed	0.0000	km/h
Most Recent Odometer Value	1241.0	km
Engine Coolant Temperature	17	DegC
Motor A Temp Sensor	19	DegC
Internal EPS Voltage Sense B	0.000	Volts
Motor B Temp Sensor	19	DegC
Motor A Torque	0.000	NM
Internal EPS Voltage Sense A	0.072	Volts
Available Regen Torque - Motor A	-10.500	NM
Available Motor Torque - Motor B	315.000	NM
Commanded Torque - Motor A	0.000	NM
Motor B Torque	0.000	NM
Available Motor Torque - Motor A	10.500	NM
Motor A - Inverter Current - phase A	0	AMP
Available Regen Torque - Motor B	-315.000	NM
Actual Torque - Motor B	0.000	NM
Motor A - Inverter Current - phase C	0	AMP
Motor B - Inverter Current - phase B	-4	AMP
Motor B Resolver Angle	126	Degree
Motor A Resolver Angle	196	Degree
Motor B - Inverter Current - phase A	0	AMP
Motor A - Inverter Current - phase B	-4	AMP
Electric Motor A Speed	0.0	rpm
Electric Motor B Speed	0.0	rpm
Commanded Torque - Motor B	0.000	NM
Actual Torque - Motor A	0.000	NM
PIM DC Link Voltage - A	7	Volts
PIM DC Link Voltage - B	4	Volts
Motor B - Inverter Current - phase C	0	AMP
HV Battery Voltage from BPCM	180.00	Volts
Outside Air Temperature	17.0	DegC
HV Battery Sleep Time	0	Days
Barometric Pressure	100	kPa
Inverter A IGBT Temperature for phase A	0	DegC
Inverter A IGBT Temperature for phase B	0	DegC
Battery Feed Voltage 1 Sense	12.168	Volts
Inverter A IGBT Temperature for phase C	0	DegC

Battery Feed Voltage 3 Sense	12.312	Volts
Battery Feed Voltage 2 Sense	12.240	Volts
Distance Travelled with Light ON	0	km
GPS Date - Year	0	Year
UTC Time - Minutes	0	
Inverter B IGBT Temperature for phase C	0	DegC
Inverter B IGBT Temperature for phase A	0	DegC
Inverter B IGBT Temperature for phase B	0	DegC
ECU Time - Milliseconds	0	ms
GPS Date - Day	1	Days
UTC Time - Seconds	0	seconds
GPS Date - Month	1	
UTC Time - Hours	0	Hours

HCP | U209E-00 | Active |

NAME	VALUE	UNITS

OBCM | U209E-00 | Active | OBCM Received Implausible Data from BPCM-

NAME	VALUE	UNITS
DTC	E0 9E 00	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Confirmed DTC	True	
Test Failed	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number - All	01	
Occurrence flag	Error	
DTC Extended Data Record Number - Record #2	30	
OBCM Status AC Present	AC Not OK	
AC Line Low	Valid	
AC Line High	Not Valid	
Battery Not Detected	False	
Battery Voltage Under Min	Not Valid	
Battery Voltage Over Max	Not Valid	
HV OC	False	
HV OV	False	
NTC1 OT	False	
NTC4 OT	False	
NTC2 OT	False	
J1772 S2 Close	Open	
J1772 Stat	Veh Not Connected	

J1772 S2 Status	Open	
NTC3 OT	False	
EVSE Pilot Stat	NO EVSE	
Prox Stat	Prox Out	
OBCM Charger Ready	Off	
OBCM WU Status	Off	
Charge Enable Status	Chrg Disable	
HCP (EVCU) Shutdown Command	EVCU Operational	
HCP (EVCU) Enable Charge Command	Charge disable	
HCP (EVCU) OBC Mode Request	Idle	
OBCM Mode	UTC	
Generic Fail Sts	At Least One DTC set on Sys Mem	
Chrg Fail Sts	No Faults detected	
OBCM Wake Up Reason	Master Wake Up	
OBC Control Mth	Current	
OBCM Deraing Reason	AC Voltage Limit Derating	
Close Chrgr Cntctr	Open	
Chrgr Cntctr Stat	Open	
Chrg Mode	Charge Mode	
OBCM Fault Reason	No Faults detected	
OBCM - HV Over Voltage Protect	False	
OBCM - LLC Over Voltage Protect	False	
OBCM - LV Aux Under Voltage Protect	False	
OBCM - LV Aux Over Voltage Protect	False	
OBCM - LLC Under Voltage Protect	False	
OBCM - PFC Over Voltage Protect	False	
OBCM - Battery 12V Under Voltage Protect	False	
OBCM - AC Under Voltage Protect	False	
OBCM - AC Over Voltage Protect	False	
OBCM - Internal Memory Fault	False	
OBCM - Battery 12V Over Voltage Protect	False	
OBCM - Loss BPCM Communication Protect	False	
OBCM - PFC Under Voltage Protect	False	
OBCM - HV Over Current Protect	False	
OBCM - Power Stage Over Voltage Protect	False	
OBCM - HV Voltage Over MaxCal Protect	False	
OBCM - CAN Bus Off	False	
OBCM - Pilot Duty Fault	False	
OBCM - HCP Loss of Communication Protect	False	
OBCM - AC Over Current Protect	False	
OBCM - Prox Range To Low	False	
OBCM - Prox Range To High	False	
OBCM - SPI Communication Fault	False	
OBCM - Over Temperature Protect	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 - HV Voltage Under MinCal Protect	False	
OBCM - Pilot Short To Battery	False	
OBCM - Primary Aux Over Voltage Protect	False	
OBCM - Primary Aux Under Voltage Protect	False	
OBCM - Stuck Shutdown	False	
OBCM - Cycle Shutdown	False	
OBCM - Secondary Aux Under Voltage Protect	False	
OBCM - HV Under Voltage Protect	False	
OBCM - Vehicle Impact	False	
OBCM - Secondary Aux Over Voltage Protect	False	
Control Pilot Open fault	False	
Prox open fault	False	
OBCM - Internal S2 Switch Low Fault	False	
OBCM - Pilot Range Fault	False	
OBCM - ARC/CRC Fault	False	
OBCM - AC Contact Welded Fault	False	
OBCM - Prox Range Fault	False	
OBCM - Internal S2 Switch High Fault	False	
HCP stuck High fault	False	
Retry fault flag	False	
force shutdown fault	False	
Loss SBC communcation (SPI)	False	
Plant mode flag	False	
pilot input short to ground fault	False	
Module A Primary - AC Under Voltage Protect	False	
pilto input short to battery fault in Driver mode detecting	False	
Module A Primary - PFC Enable States	False	
Charging ready line open fault	False	
Pilot frequency range fault	False	
Module A Primary - PFC Under Voltage Protect	False	
Module A Primary - LLC Enable States	False	
Module A Primary - PFC Power Limit	True	
Module A Primary - PFC Over Voltage Protect	False	
Module A Primary - AC Present	False	
pilot signal wake up issue becase of EVSE	False	
Module A Primary - Hot Warning	False	
Module A Primary - Over Temperature Protect	False	
Module A Primary - LLC Over Temperature Protect	False	

Module A Primary - PFC Over Temperature Protect	False	
Module A Primary - LLC Hot Warning	False	
Module A Primary - AC Over Voltage Protect	True	
Module A Primary - Relay Enable States	False	
Module A Primary - Aux Over Voltage Protect	False	
HCP stuck low fault	False	
pilot short to ground fault in driver mode detecting	False	
OBCM - Internal S2 Switch High Fault in Driver mode detecting	False	
Module A Primary - Aux Under Voltage Protect	False	
Module A Primary - Secondary Micro Enable Command	False	
Module A Primary - PFC Hot Warning	False	
Module A Primary - AC Vin Lost	True	
Module A Primary - Loss Communication Protect	False	
Module A Primary - Standby Mode	True	
Module A Primary - Operate Mode	False	
Module A Primary - Shutdown Mode	False	
Module A Secondary - Aux Enable States	True	
Module A Secondary - LLC Under Voltage Protect	False	
Module A Secondary - LLC Over Voltage Protect	False	
Module A Secondary - HV Enable States	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 - HV Over Voltage Protect	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	True	
Module A Secondary - Operate Mode	False	
Module A Secondary - Shutdown Mode	False	
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	False	
Module B Primary - PFC Power Limit	True	
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	False	
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	False	
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	True	
Module B Primary - Standby Mode	True	
Module B Primary - Operate Mode	False	
Module B Primary - Shutdown Mode	False	
Module B Secondary - Aux Enable States	True	
Module B Secondary - HV Enable States	False	
Module B Secondary - LLC Under Voltage Protect	False	
Module B Primary - Loss Communication Protect	False	
Module B Secondary - HV Over Voltage Protect	False	
Module B Secondary - HV Over Current Protect	False	
Module B Secondary - LLC Over Voltage 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	True	
Module B Secondary - Operate Mode	False	
Module B Secondary - Shutdown Mode	False	
Module B Secondary - LV Micro Disable Command	True	
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 Low Temperature Derating	False	
Module B Secondary - AC Input Voltage Derating	True	
Module B Secondary - HV Output Voltage Derating	False	
SBC State_DF00	00	
Module B Secondary - PFC High Temperature Derating	False	
SBC State_DF80	00	
SBC State_E180	00	
SBC State_E300	00	
SBC State_E500	00	
SBC State_E580	00	
Module B Secondary - Ambient High Temperature Derating	False	
SBC State_E100	00	
CANSIP Bus Off	False	
BPCM HV Battery Contactor Open	False	
EPT LOC Diag Enable	Enable LOC Diagnostic	
SBC Bus Off	False	
BPCM Request for HV Contactor	False	
HV Contactor Status	Closed	
HCP Shutdown Command	No Shutdown	
HV Battey Contactor Open	False	
Original Odometer Value	1232	km
Most Recent Odometer Value	1232	km
Ignition Cycle Counter	0	
AC Side Current	0.40	Amps
AC Side Volt	2.0	Volts
HCP (EVCU) AC Current Max Cal	-0.50	Amps
Frequency Counter	1	
HCP (EVCU) Voltage Request	0	Volts
HCP (EVCU) Current Request	0.00	AMP
Battery Side Voltage	0.0	Volts

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	19	DegC
External OBCM Inlet Temperature (CAN)	-40	DegC
OBCM Temperature 2	18	DegC
OBCM Temperature 3	16	DegC
Battery Side Current	0.40	Amps
J1772 ICA	0	AMP
OBCM Temperature 4	15	DegC
Control Pilot Duty Cycle	0.00	%
Control Pilot Frequency	1024	Hz
Prox Voltage	4.480	Volt
Control Pilot Amplitude	7.493	Volts
OBC Idle Tml	17	hrs
Watt Hours of Charge the HV Bus	0	W-Hrs
Watt-Hours of AC Power	0	W-Hrs
Module A Primary - PFC Temperature	16	DegC
Module A Secondary - Buck Temperature	15	DegC
Module A Primary - LLC Temperature	16	DegC
Module A Primary - AC Side Current	-24.70	Amps
Module A Primary - AC Side Volt	2.1	Volts
Module B Secondary - Buck Temperature	16	DegC
Module A Secondary - Battery Side Current	-24.80	Amps
Module B Secondary - Battery Side Current	-24.80	Amps
Module B Secondary - Battery Side Voltage	0.0	Volts
Module B Primary - LLC Temperature	17	DegC
Module A Secondary - Ambient Temperature	18	DegC
Module B Primary - PFC Temperature	17	DegC
Module A Secondary - Buck Output Voltage	0.1	Volts
Module A Secondary - Battery Side Voltage	0.0	Volts
Module B Primary - AC Side Volt	2.0	Volts
Module B Secondary - Ambient Temperature	19	DegC
Module B Primary - AC Side Current	-24.90	Amps
Module B Secondary - Buck Output Voltage	0.1	Volts
OBCM Charge Current Available	0.00	AMP
OBC Charge Time	0	sec
OBC Charge Tml	2823	hrs
Ignition on Time for DTC	0	sec
OBC Idle Time	0	sec

SNAPSHOT DATA SUMMARY

No Snapshot Data available for B224F-54

No Snapshot Data available for B224F-54

No Snapshot Data available for C2225-00

No Snapshot Data available for P0642-00

No Snapshot Data available for P06B1-00

No Snapshot Data available for P0A78-00

No Snapshot Data available for P16F9-00

No Snapshot Data available for P1AEC-00

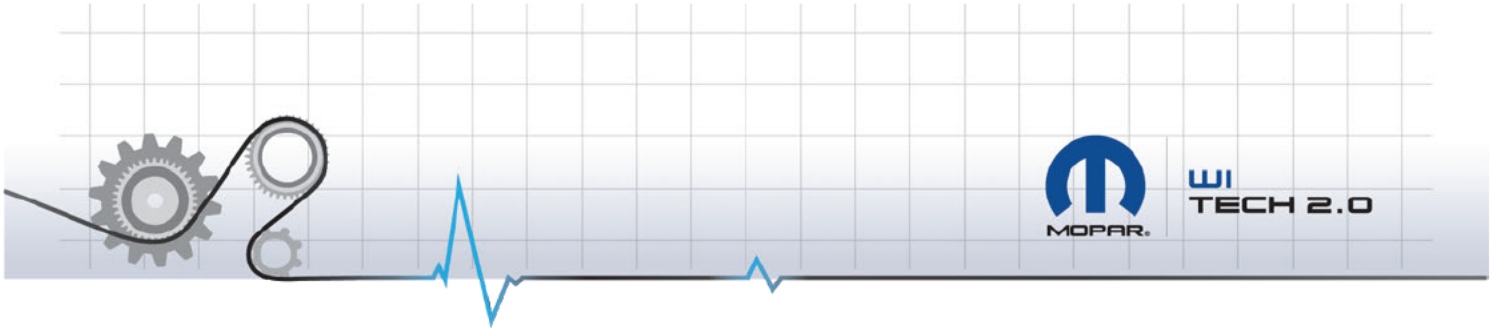
No Snapshot Data available for P1AEE-00

No Snapshot Data available for P1C8E-00

No Snapshot Data available for U0412-00

No Snapshot Data available for U209E-00

No Snapshot Data available for U209E-00



VEHICLE SCAN REPORT

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

Odometer 1241.0 km
Publication Date Feb 1, 2021, 10:37:47 AM

ECU SUMMARY INFO

ECU	NAME	BUS TYPE	FLASH PART #	CURRENT [redacted]	ORIGINAL [redacted]	PART #
PCM	Powertrain Control Module	CAN-C	68444228AE	2C4RC1N7	2C4RC1N7	68444228AE
ICS	Integrated Center Stack	CAN-I	6UX621X8AA	2C4RC1N7	2C4RC1N7	6UX621X8AA
RFH	Radio Frequency Hub	CAN-C	68453559AB	2C4RC1N7	2C4RC1N7	68453559AB
ESM	Electronic Shifter	CAN-C	68240089AM	2C4RC1N7	2C4RC1N7	68240089AM
ORC	Occupant Restraint	CAN-C	68453076AD	2C4RC1N7	2C4RC1N7	68453076AD
EPS	Electric Power Steering	CAN-C	68460392AA	2C4RC1N7	2C4RC1N7	68460392AA
HVAC	Heat, Ventilation and A/C	CAN-I	68447893AC	2C4RC1N7	2C4RC1N7	68447893AC
DDM	Driver Door Module	CAN-I	68424449AC	2C4RC1N7	2C4RC1N7	68424449AC
PDM	Passenger Door Module	CAN-I	68424448AC	2C4RC1N7	2C4RC1N7	68424448AC
DMRL	Door Module Rear Left	CAN-I	68225096AG	2C4RC1N7	2C4RC1N7	68225096AG
DMRR	Door Module Rear Right	CAN-I	68225096AG	2C4RC1N7	2C4RC1N7	68225096AG
PSDML	Power Sliding Doors (Left)	CAN-I	68369596AD	2C4RC1N7	2C4RC1N7	68369596AD
PSDMR	Power Sliding Doors (Right)	CAN-I	68369596AD	2C4RC1N7	2C4RC1N7	68369596AD
MSM	Memory Seat Module	CAN-I	68321862AC	2C4RC1N7	2C4RC1N7	68321862AC
PLGM	Power Liftgate	CAN-I	68316094AF	2C4RC1N7	2C4RC1N7	68316094AF
CSWM	Comfort Seat Wheel Module	CAN-I	68434912AC	2C4RC1N7	2C4RC1N7	68434912AC
AMP	Amplifier	CAN-I	68448067AA	2C4RC1N7	2C4RC1N7	68448067AA
IPC	Instrument Panel Cluster	CAN-C	68434956AC	2C4RC1N7	2C4RC1N7	68434956AC
PTS	Parktronics	CAN-C	68193775AJ	2C4RC1N7	2C4RC1N7	68193775AJ
SCCM	Steering Column Control Module	CAN-C	68360889AD	2C4RC1N7	2C4RC1N7	68360889AD
BCM	Body Controller	CAN-C	68424601AE	2C4RC1N7	2C4RC1N7	68424601AE

ACC	Adaptive Cruise Control	CAN-C	68417813AF	2C4RC1N	2C4RC1N7	68417813AF
RADIO	Radio	CAN-I	68461768AD	2C4RC1	2C4RC1N7	68461768AD
OCM	Occupant Classification	CAN-C	68403127AA	2C4RC1N	2C4RC1N7	68403127AA
HVACR	Heat, Ventilation and A/C Rear	CAN-I	68373079AB	2C4RC1N	2C4RC1N7	68373079AB
LBSS	Left Blind Spot Sensor	CAN-I	04672786AB	2C4RC1N	2C4RC1N7	04672786AB
RBSS	Right Blind Spot Sensor	CAN-I	04672786AB	2C4RC1N	2C4RC1N7	04672786AB
FFCM	Forward Facing Camera Module	CAN-C	68493395AA	2C4RC1N	2C4RC1N7	68493395AA
EDM	External Disc Module	CAN-I	68378304AB	2C4RC1N	2C4RC1N7	68378304AB
APM	Accessory Power Module	CAN-C	05185046AB	2C4RC1N	2C4RC1N7	05185046AB
BPCM	Battery Pack Control Module	CAN-C	68487194AA	2C4RC1N	2C4RC1N7	68487194AA
HCP	Hybrid Control Processor	CAN-C	05190265AF	2C4RC1N	2C4RC1N7	05190265AF
OBCM	On Board Charging Module	CAN-C	05185047AE	2C4RC1N	2C4RC1N7	05185047AE
MSMP	Memory Seat Module - Passenger	CAN-I	68321862AC	2C4RC1N	2C4RC1N7	68321862AC
DSM	Display Screen Module	CAN-I	68316174AC	2C4RC1N	2C4RC1N7	68316174AC
VRM	Video Routing Module	CAN-I	68376134AG	2C4RC1N	2C4RC1N7	68376134AG
RCCC	Rear Cabin Comfort Controls	CAN-I	6WL30PD2AA	2C4RC1N	2C4RC1N7	6WL30PD2AA
CVPM	Central vision processing module	CAN-I	68375113AB	2C4RC1N	2C4RC1N7	68375113AB
EAC	Electric A/C Compressor	CAN-C	68237995AG	2C4RC1N	2C4RC1N7	68237995AG
AHCP	Auxiliary Hybrid Control Processor	CAN-C	05190266AF	2C4RC1N	2C4RC1N7	05190266AF
EBBM	Electronic Brake Booster Module	CAN-C	68461813AB	2C4RC1N	2C4RC1N7	68461813AB
ABSO	Anti Lock Brakes OBD	CAN-C	68471122AD	2C4RC1N	2C4RC1N7	68471122AD
SGW	Security Gateway Module	CAN-C	68447193AB		2C4RC1N7	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	13 12 00	4005	
HCP	USA	11 1F 04	19 48 01	4005	
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
ACC	C2225-00	PCM Disabled ECU-	Active
HCP	U0412-00	Invalid Data Received From Battery Energy Control Module "A"-	Active
HCP	U209E-00		Active
OBCM	U209E-00	OBCM Received Implausible Data from BPCM-	Active

ENVIRONMENTAL DATA SUMMARY

ACC | C2225-00 | Active | PCM Disabled ECU-

NAME	VALUE	UNITS
Occurrence flag		
Confirmed DTC	False	
Test Failed	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	
Pending DTC	False	
Test Failed This Operation Cycle	True	
PRNDL Status		
Original Odometer Value		km
Vehicle Speed		km/hr
Most Recent Odometer Value		km
Frequency Counter		
Engine RPM		rpm
Operation Cycle Counter		
ACC Set Speed		km/hr
Object of Interest Distance		Meters
Engine Torque Request		N*m
Ignition Voltage		
System Voltage		Volts

HCP | U0412-00 | Active | Invalid Data Received From Battery Energy Control Module "A"-

NAME	VALUE	UNITS
DTC	C4 12 00	
Pending DTC	True	
Confirmed DTC	True	
Test Failed This Operation Cycle	True	
Test Failed Since Last Clear	True	
Warning Indicator Requested	True	
Occurrence flag	Occurrence	
Test Not Completed This Operation Cycle	False	
Test Not Completed Since Last Clear	False	
Test Failed	True	
Brake Switch Status	Not Applied	
PRND Position Display	P	
Ignition State	Reserved	
Propulsion System Active	False	
CBC Wake-Up Input	Off	
HCP System Shutdown Command	Default	
HCP SW Version	C19A	

SW Build Release Version	PIM_C19A_2003B0_RU_HCP__	
HCP ePT Wake-Up Output	On	
HV Contactor Status	Closed	
Impact Event	False	
EPT LOC Diag Enable	Enable LOC Diagnostic	
APM Status	Off	
J1772 Prox Detected State	Prox Out	
Hybrid System State	Inverters Enabled	
OBCM Operating Mode	UTC	
PHEV Charging Status	No Charging	
Most Recent Odometer Value	1241.0	km
Original Odometer Value	1241.0	km
Frequency Counter	1	
RAM Stamps	38	Min
Ignition Cycle Counter	0	
Engine Speed	0	rpm
Vehicle Speed	0.0000	km/h
HV Battery SOC	30	%
Accelerator Pedal Position	0	%
Motor A Temp Sensor	23	DegC
Barometric Pressure	100	kPa
Internal EPS Voltage Sense A	8.208	Volts
Motor A Torque	-0.125	NM
Internal EPS Voltage Sense B	7.992	Volts
RAM stamps keyOn	30	sec
Engine Coolant Temperature	28	DegC
Motor B Torque	0.000	NM
Real time clock	76668	sec
Motor B Temp Sensor	23	DegC
Commanded Torque - Motor A	0.000	NM
Available Motor Torque - Motor B	315.000	NM
Actual Torque - Motor B	0.000	NM
Available Regen Torque - Motor B	-315.000	NM
Actual Torque - Motor A	-0.125	NM
Available Regen Torque - Motor A	-118.250	NM
Available Motor Torque - Motor A	118.250	NM
Commanded Torque - Motor B	0.000	NM
Motor A - Inverter Current - phase B	0	AMP
Motor A - Inverter Current - phase C	0	AMP
Motor A - Inverter Current - phase A	0	AMP
Motor B Resolver Angle	62	Degree
Motor B - Inverter Current - phase B	0	AMP
PIM DC Link Voltage - B	345	Volts
PIM DC Link Voltage - A	344	Volts

Electric Motor B Speed	0.0	rpm
Motor A Resolver Angle	132	Degree
Electric Motor A Speed	0.0	rpm
HV Battery Voltage from BPCM	344.40	Volts
Motor B - Inverter Current - phase A	0	AMP
Battery Feed Voltage 1 Sense	11.952	Volts
Motor B - Inverter Current - phase C	0	AMP
HV Battery Sleep Time	0	Days
Outside Air Temperature	20.0	DegC
Battery Feed Voltage 2 Sense	11.952	Volts
Inverter A IGBT Temperature for phase B	22	DegC
Battery Feed Voltage 3 Sense	11.808	Volts
Inverter A IGBT Temperature for phase C	22	DegC
Inverter B IGBT Temperature for phase A	22	DegC
Inverter B IGBT Temperature for phase B	22	DegC
Inverter A IGBT Temperature for phase A	22	DegC
Inverter B IGBT Temperature for phase C	22	DegC
UTC Time - Minutes	0	
GPS Date - Month	1	
GPS Date - Day	1	Days
ECU Time - Milliseconds	0	ms
UTC Time - Hours	0	Hours
GPS Date - Year	0	Year
UTC Time - Seconds	0	seconds
Distance Travelled with Light ON	0	km

HCP | U209E-00 | Active |

NAME	VALUE	UNITS

OBCM | U209E-00 | Active | OBCM Received Implausible Data from BPCM-

NAME	VALUE	UNITS
Test Failed	True	
DTC	E0 9E 00	
Test Failed Since Last Clear	True	
Test Failed This Operation Cycle	True	
Confirmed DTC	True	
Warning Indicator Requested	False	
Occurrence flag	Error	
Test Not Completed This Operation Cycle	False	
Pending DTC	True	
DTC Extended Data Record Number - All	01	
AC Line Low	Valid	
AC Line High	Not Valid	
Test Not Completed Since Last Clear	False	

Battery Not Detected	False	
Battery Voltage Over Max	Not Valid	
OBCM Status AC Present	AC Not OK	
DTC Extended Data Record Number - Record #2	30	
Battery Voltage Under Min	Not Valid	
HV OC	False	
HV OV	False	
NTC2 OT	False	
NTC1 OT	False	
NTC4 OT	False	
NTC3 OT	False	
J1772 S2 Close	Open	
J1772 Stat	Veh Not Connected	
J1772 S2 Status	Open	
Prox Stat	Prox Out	
EVSE Pilot Stat	NO EVSE	
OBCM Mode	UTC	
OBCM Charger Ready	Off	
HCP (EVCU) Shutdown Command	EVCU Operational	
HCP (EVCU) Enable Charge Command	Charge disable	
OBCM WU Status	Off	
HCP (EVCU) OBC Mode Request	Idle	
Charge Enable Status	Chrg Disable	
Generic Fail Sts	At Least One DTC set on Sys Mem	
OBCM Deraing Reason	AC Voltage Limit Derating	
OBC Control Mth	Current	
Close Chrgr Cntctr	Open	
OBCM Wake Up Reason	Master Wake Up	
Chrgr Cntctr Stat	Closed	
Chrg Mode	Charge Mode	
Chrg Fail Sts	No Faults detected	
OBCM Fault Reason	No Faults detected	
OBCM - HV Over Voltage Protect	False	
OBCM - LV Aux Over Voltage Protect	False	
OBCM - LLC Over Voltage Protect	False	
OBCM - LV Aux Under Voltage Protect	False	
OBCM - PFC Over Voltage Protect	False	
OBCM - LLC Under Voltage Protect	False	
OBCM - Battery 12V Under Voltage Protect	False	
OBCM - PFC Under Voltage Protect	False	
OBCM - Battery 12V Over Voltage Protect	False	
OBCM - AC Under Voltage Protect	False	
OBCM - HV Voltage Over MaxCal Protect	False	
OBCM - AC Over Current Protect	False	

OBCM - AC Over Voltage Protect	False	
OBCM - HV Over Current Protect	False	
OBCM - Power Stage Over Voltage Protect	False	
OBCM - Internal Memory Fault	False	
OBCM - HCP Loss of Communication Protect	False	
OBCM - Loss BPCM Communication Protect	False	
OBCM - Over Temperature 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 - Pilot Short To Battery	False	
OBCM - SPI Communication Fault	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 - Primary Aux Over Voltage Protect	False	
OBCM - Secondary Aux Under Voltage Protect	False	
OBCM - Stuck Shutdown	False	
OBCM - Primary Aux Under Voltage Protect	False	
OBCM - Cycle Shutdown	False	
OBCM - HV Under Voltage Protect	False	
OBCM - Vehicle Impact	False	
OBCM - AC Contact Welded Fault	False	
OBCM - ARC/CRC 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	
force shutdown fault	False	
OBCM - Pilot Range Fault	False	
OBCM - Prox Range Fault	False	
pilot signal wake up issue becase of EVSE	False	
HCP stuck low fault	False	
Retry fault flag	False	
Plant mode flag	False	
Loss SBC communcation (SPI)	False	
pilot input short to ground fault	False	
pilot short to ground fault in driver mode detecting	False	

HCP stuck High fault	False	
Pilot frequency range fault	False	
pilto input short to battery fault in Driver mode detecting	False	
Charging ready line open fault	False	
OBCM - Internal S2 Switch High Fault in Driver mode detecting	False	
Module A Primary - PFC Power Limit	True	
Module A Primary - PFC Enable States	False	
Module A Primary - PFC Under Voltage Protect	False	
Module A Primary - LLC Enable States	False	
Module A Primary - PFC Over Voltage Protect	False	
Module A Primary - Hot Warning	False	
Module A Primary - AC Present	False	
Module A Primary - AC Under Voltage Protect	False	
Module A Primary - LLC Over Temperature Protect	False	
Module A Primary - PFC Over Temperature Protect	False	
Module A Primary - PFC Hot Warning	False	
Module A Primary - AC Over Voltage Protect	True	
Module A Primary - LLC Hot Warning	False	
Module A Primary - Over Temperature Protect	False	
Module A Primary - Relay Enable States	False	
Module A Primary - Aux Over Voltage Protect	False	
Module A Primary - Aux Under Voltage Protect	False	
Module A Primary - AC Vin Lost	True	
Module A Primary - Secondary Micro Enable Command	False	
Module A Primary - Loss Communication Protect	False	
Module A Primary - Operate Mode	False	
Module A Primary - Shutdown Mode	False	
Module A Primary - Standby Mode	True	
Module A Secondary - HV Enable States	False	
Module A Secondary - Aux 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 - Ambient Over Temperature 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 - Aux Over Voltage Protect	False	
Module A Secondary - Ambient Hot Warning	False	
Module A Secondary - HV Hot Warning	False	
Module A Secondary - Loss Primary Communication Protect	False	
Module A Secondary - Aux Under Voltage 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	True	
Module A Secondary - Operate Mode	False	
Module A Secondary - Shutdown Mode	False	
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	False	
Module B Primary - PFC Power Limit	True	
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	False	
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 - Aux Over Voltage Protect	False	
Module B Primary - Aux Under Voltage Protect	False	
Module B Primary - Relay Enable States	False	
Module B Primary - Secondary Micro Enable Command	False	
Module B Primary - AC Vin Lost	True	
Module B Primary - Loss Communication Protect	False	
Module B Primary - Standby Mode	True	
Module B Primary - Operate Mode	False	
Module B Primary - Shutdown Mode	False	
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 - 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 - Primary Turn On States	False	
Module B Secondary - Primary Shutdown States	False	
Module B Secondary - Standby Mode	True	
Module B Secondary - HV Under Voltage Protect	False	
Module B Secondary - Operate Mode	False	
Module B Secondary - Shutdown Mode	False	
Module B Secondary - PFC High Temperature Derating	False	
Module B Secondary - Loss LV Communication Protect	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 - Ambient Hot Warning	False	
Module B Secondary - LV Micro Disable Command	True	
Module B Secondary - HV High Temperature Derating	False	
Module B Secondary - Ambient High Temperature Derating	False	
Module B Secondary - HV Output Voltage Derating	False	
SBC State_DF00	00	
Module B Secondary - Ambient Low Temperature Derating	False	
Module B Secondary - AC Input Voltage Derating	True	
Module B Secondary - HV Low Temperature Derating	False	
SBC State_E300	00	
SBC State_E500	00	
SBC State_DF80	00	
BPCM HV Battery Contactor Open	False	
SBC State_E180	88	
SBC State_E100	00	
SBC State_E580	00	
SBC Bus Off	False	
CANSIP Bus Off	False	
EPT LOC Diag Enable	Enable LOC Diagnostic	
HCP Shutdown Command	No Shutdown	
HV Contactor Status	Closed	

BPCM Request for HV Contactor	False	
HV Battey Contactor Open	False	
AC Side Current	0.40	Amps
Frequency Counter	1	
Most Recent Odometer Value	1232	km
HCP (EVCU) AC Current Max Cal	-0.50	Amps
Battery Side Voltage	163.5	Volts
HCP (EVCU) Current Request	0.00	AMP
HCP (EVCU) HV Current Max Cal	-12.00	Amps
HCP (EVCU) HV Volt Max Cal	152	Volt
Battery Side Current	0.40	Amps
Ignition Cycle Counter	0	
OBCM Temperature 2	21	DegC
OBCM Temperature 4	19	DegC
Original Odometer Value	1232	km
HCP (EVCU) HV Volt Min Cal	244	Volt
External OBCM Inlet Temperature (CAN)	-40	DegC
J1772 ICA	0	AMP
OBCM Temperature 1	22	DegC
Control Pilot Duty Cycle	0.00	%
Control Pilot Frequency	1024	Hz
HCP (EVCU) Voltage Request	0	Volts
Control Pilot Amplitude	7.517	Volts
OBCM Temperature 3	20	DegC
Watt-Hours of AC Power	0	W-Hrs
Watt Hours of Charge the HV Bus	0	W-Hrs
Prox Voltage	4.480	Volt
AC Side Volt	2.0	Volts
OBC Idle Tml	17	hrs
Module A Primary - LLC Temperature	19	DegC
Module A Primary - PFC Temperature	20	DegC
Module A Primary - AC Side Volt	2.1	Volts
Module A Secondary - Ambient Temperature	21	DegC
Module A Secondary - Battery Side Voltage	163.6	Volts
Module A Secondary - Battery Side Current	-24.80	Amps
Module A Primary - AC Side Current	-24.70	Amps
Module B Secondary - Buck Temperature	20	DegC
Module B Secondary - Ambient Temperature	22	DegC
Module B Primary - PFC Temperature	21	DegC
Module A Secondary - Buck Temperature	19	DegC
Module B Primary - AC Side Current	-24.90	Amps
Module B Primary - AC Side Volt	2.0	Volts
Module B Secondary - Battery Side Current	-24.80	Amps
Module B Secondary - Buck Output Voltage	0.1	Volts

Module B Primary - LLC Temperature	21	DegC
OBC Charge Tml	2823	hrs
OBC Charge Time	0	sec
Module B Secondary - Battery Side Voltage	163.5	Volts
Module A Secondary - Buck Output Voltage	0.1	Volts
OBC Idle Time	0	sec
OBCM Charge Current Available	0.00	AMP
Ignition on Time for DTC	0	sec

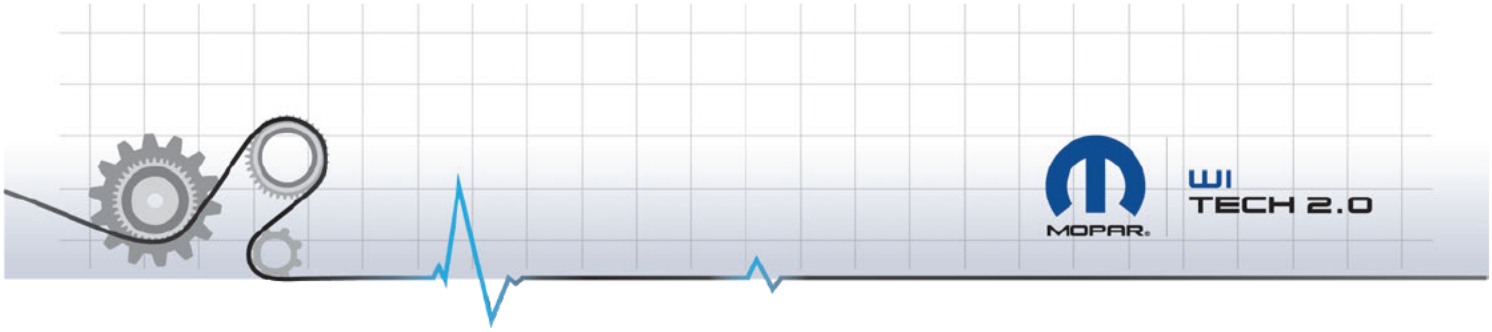
SNAPSHOT DATA SUMMARY

No Snapshot Data available for C2225-00

No Snapshot Data available for U0412-00

No Snapshot Data available for U209E-00

No Snapshot Data available for U209E-00



VEHICLE SCAN REPORT

Vehicle 2020 CHRYSLER PACIFICA (PHEV) 3.6L V6 HYBRID ENGINE
VIN 2C4RC1N79[redacted]

Odometer 771.2 miles
Publication Date Feb 23, 2021, 11:49:12 AM

ECU SUMMARY INFO

ECU	NAME	BUS TYPE	FLASH PART #	CURRE[redacted]	ORI[redacted]	PART #
PCM	Powertrain Control Module	CAN-C	68444228AE	2C4RC1	2C4	68444228AE
ICS	Integrated Center Stack	CAN-I	6UX621X8AA	2C4RC1	2C4	6UX621X8AA
RFH	Radio Frequency Hub	CAN-C	68453559AB	2C4RC1	2C4	68453559AB
ESM	Electronic Shifter	CAN-C	68240089AM	2C4RC1	2C4	68240089AM
ORC	Occupant Restraint	CAN-C	68453076AD	2C4RC1	2C4	68453076AD
EPS	Electric Power Steering	CAN-C	68460392AA	2C4RC1	2C4	68460392AA
HVAC	Heat, Ventilation and A/C	CAN-I	68447893AC	2C4RC1	2C4	68447893AC
DDM	Driver Door Module	CAN-I	68424449AC	2C4RC1	2C4	68424449AC
PDM	Passenger Door Module	CAN-I	68424448AC	2C4RC1	2C4	68424448AC
DMRL	Door Module Rear Left	CAN-I	68225096AG	2C4RC1	2C4	68225096AG
DMRR	Door Module Rear Right	CAN-I	68225096AG	2C4RC1	2C4	68225096AG
PSDML	Power Sliding Doors (Left)	CAN-I	68369596AD	2C4RC1	2C4	68369596AD
PSDMR	Power Sliding Doors (Right)	CAN-I	68369596AD	2C4RC1	2C4	68369596AD
MSM	Memory Seat Module	CAN-I	68321862AC	2C4RC1	2C4	68321862AC
PLGM	Power Liftgate	CAN-I	68316094AF	2C4RC1	2C4	68316094AF
CSWM	Comfort Seat Wheel Module	CAN-I	68434912AC	2C4RC1	2C4	68434912AC
AMP	Amplifier	CAN-I	68448067AA	2C4RC1	2C4	68448067AA
IPC	Instrument Panel Cluster	CAN-C	68434956AC	2C4RC1	2C4	68434956AC
PTS	Parktronics	CAN-C	68193775AJ	2C4RC1	2C4	68193775AJ
SCCM	Steering Column Control Module	CAN-C	68360889AD	2C4RC1	2C4	68360889AD
BCM	Body Controller	CAN-C	68424601AE	2C4RC1	2C4	68424601AE

ACC	Adaptive Cruise Control	CAN-C	68417813AF	2C4RC1N	2C4RC1N7	68417813AF
RADIO	Radio	CAN-I	68461768AD	2C4RC1	2C4RC1N7	68461768AD
OCM	Occupant Classification	CAN-C	68403127AA	2C4RC1N	2C4RC1N7	68403127AA
HVACR	Heat, Ventilation and A/C Rear	CAN-I	68373079AB	2C4RC1N	2C4RC1N7	68373079AB
LBSS	Left Blind Spot Sensor	CAN-I	04672786AB	2C4RC1N	2C4RC1N7	04672786AB
RBSS	Right Blind Spot Sensor	CAN-I	04672786AB	2C4RC1N	2C4RC1N7	04672786AB
FFCM	Forward Facing Camera Module	CAN-C	68493395AA	2C4RC1N	2C4RC1N7	68493395AA
EDM	External Disc Module	CAN-I	68378304AB	2C4RC1N	2C4RC1N7	68378304AB
APM	Accessory Power Module	CAN-C	05185046AB	2C4RC1N	2C4RC1N7	05185046AB
BPCM	Battery Pack Control Module	CAN-C	68487194AA	2C4RC1N	2C4RC1N7	68487194AA
HCP	Hybrid Control Processor	CAN-C	05190265AF	2C4RC1N	2C4RC1N7	05190265AF
OBCM	On Board Charging Module	CAN-C	05185047AE	2C4RC1N	2C4RC1N7	05185047AE
MSMP	Memory Seat Module - Passenger	CAN-I	68321862AC	2C4RC1N	2C4RC1N7	68321862AC
DSM	Display Screen Module	CAN-I	68316174AC	2C4RC1N	2C4RC1N7	68316174AC
VRM	Video Routing Module	CAN-I	68376134AG	2C4RC1N	2C4RC1N7	68376134AG
RCCC	Rear Cabin Comfort Controls	CAN-I	6WL30PD2AA	2C4RC1N	2C4RC1N7	6WL30PD2AA
CVPM	Central vision processing module	CAN-I	68375113AB	2C4RC1N	2C4RC1N7	68375113AB
EAC	Electric A/C Compressor	CAN-C	68237995AG	2C4RC1N	2C4RC1N7	68237995AG
AHCP	Auxiliary Hybrid Control Processor	CAN-C	05190266AF	2C4RC1N	2C4RC1N7	05190266AF
EBBM	Electronic Brake Booster Module	CAN-C	68461813AB	2C4RC1N	2C4RC1N7	68461813AB
ABSO	Anti Lock Brakes OBD	CAN-C	68471122AD	2C4RC1N	2C4RC1N7	68471122AD
SGW	Security Gateway Module	CAN-C	68447193AB		2C4RC1N7	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	13 12 00	4005	D3037C3A
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
ACC	C2225-00	PCM Disabled ECU-	Active
HCP	U0412-00	Invalid Data Received From Battery Energy Control Module "A"-	Active
HCP	U209E-00		Active

OBCM	U209E-00	OBCM Received Implausible Data from BPCM-	Active

ENVIRONMENTAL DATA SUMMARY

ACC | C2225-00 | Active | PCM Disabled ECU-

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

HCP | U0412-00 | Active | Invalid Data Received From Battery Energy Control Module "A"-

NAME	VALUE	UNITS
Test Failed	True	
Test Failed This Operation Cycle	True	
Confirmed DTC	True	
Test Not Completed This Operation Cycle	False	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
DTC	C4 12 00	
Occurrence flag	Occurrence	
Warning Indicator Requested	True	
Pending DTC	True	
Brake Switch Status	Not Applied	
Ignition State	Reserved	
PRND Position Display	P	
Propulsion System Active	False	

HCP ePT Wake-Up Output	On	
SW Build Release Version	PIM_C19A_2003B0_RU_HCP__	
CBC Wake-Up Input	Off	
HV Contactor Status	Closed	
HCP System Shutdown Command	Default	
HCP SW Version	C19A	
APM Status	Buck CV	
EPT LOC Diag Enable	Enable LOC Diagnostic	
OBCM Operating Mode	UTC	
Impact Event	False	
Hybrid System State	Inverters Enabled	
J1772 Prox Detected State	Prox Out	
PHEV Charging Status	No Charging	
Original Odometer Value	771.2	miles
Ignition Cycle Counter	0	
Frequency Counter	1	
RAM Stamps	375	Min
Engine Speed	0	rpm
HV Battery SOC	28	%
Real time clock	1893931	sec
Most Recent Odometer Value	771.2	miles
RAM stamps keyOn	75	sec
Vehicle Speed	0.0000	MPH
Engine Coolant Temperature	66	°F
Motor B Temp Sensor	54	°F
Internal EPS Voltage Sense B	7.992	Volts
Actual Torque - Motor B	0.000	Ft-Lbs
Accelerator Pedal Position	0	%
Available Motor Torque - Motor A	87.205	Ft-Lbs
Internal EPS Voltage Sense A	8.208	Volts
Motor A Torque	0.000	Ft-Lbs
Actual Torque - Motor A	0.000	Ft-Lbs
Barometric Pressure	15	PSI
Motor B Torque	0.000	Ft-Lbs
Available Motor Torque - Motor B	232.301	Ft-Lbs
Motor A Temp Sensor	55	°F
Available Regen Torque - Motor A	-87.205	Ft-Lbs
Available Regen Torque - Motor B	-232.301	Ft-Lbs
Motor A - Inverter Current - phase A	0	AMP
Commanded Torque - Motor A	0.000	Ft-Lbs
Commanded Torque - Motor B	0.000	Ft-Lbs
Motor B - Inverter Current - phase C	0	AMP
Motor A - Inverter Current - phase B	0	AMP
Motor A - Inverter Current - phase C	0	AMP

Motor B - Inverter Current - phase B	0	AMP
Motor B - Inverter Current - phase A	0	AMP
Electric Motor A Speed	0.0	rpm
PIM DC Link Voltage - B	344	Volts
Electric Motor B Speed	0.5	rpm
Motor B Resolver Angle	242	Degree
Motor A Resolver Angle	14	Degree
HV Battery Sleep Time	0	Days
Battery Feed Voltage 1 Sense	14.760	Volts
Outside Air Temperature	59.0	°F
Inverter A IGBT Temperature for phase A	57	°F
PIM DC Link Voltage - A	343	Volts
HV Battery Voltage from BPCM	343.60	Volts
Inverter B IGBT Temperature for phase A	57	°F
Battery Feed Voltage 3 Sense	14.472	Volts
Battery Feed Voltage 2 Sense	14.760	Volts
Distance Travelled with Light ON	0	miles
Inverter B IGBT Temperature for phase C	57	°F
Inverter B IGBT Temperature for phase B	57	°F
UTC Time - Hours	0	Hours
UTC Time - Minutes	0	
Inverter A IGBT Temperature for phase B	57	°F
Inverter A IGBT Temperature for phase C	57	°F
GPS Date - Year	0	Year
GPS Date - Day	1	Days
UTC Time - Seconds	0	seconds
GPS Date - Month	1	
ECU Time - Milliseconds	0	ms

HCP | U209E-00 | Active |

NAME	VALUE	UNITS

OBCM | U209E-00 | Active | OBCM Received Implausible Data from BPCM-

NAME	VALUE	UNITS
DTC	E0 9E 00	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed This Operation Cycle	True	
Test Failed	True	
Test Failed Since Last Clear	True	
DTC Extended Data Record Number - All	01	
Occurrence flag	ERROR	
Test Not Completed This Operation Cycle	False	

Warning Indicator Requested	False	
OBCM Status AC Present	AC Not OK	
DTC Extended Data Record Number - Record #2	30	
AC Line Low	Valid	
AC Line High	Not Valid	
Battery Not Detected	False	
Battery Voltage Under Min	Not Valid	
HV OC	False	
HV OV	False	
Battery Voltage Over Max	Not Valid	
NTC1 OT	False	
NTC2 OT	False	
NTC3 OT	False	
NTC4 OT	False	
J1772 S2 Close	Open	
J1772 Stat	Veh Not Connected	
J1772 S2 Status	Open	
EVSE Pilot Stat	NO EVSE	
Prox Stat	Prox Out	
OBCM WU Status	Off	
OBCM Mode	UTC	
OBCM Charger Ready	Off	
HCP (EVCU) OBC Mode Request	Idle	
Charge Enable Status	Chrg Disable	
HCP (EVCU) Shutdown Command	EVCU Operational	
HCP (EVCU) Enable Charge Command	Charge disable	
Chrg Fail Sts	No Faults detected	
OBCM Wake Up Reason	Master Wake Up	
OBC Control Mth	Current	
OBCM Deraing Reason	AC Voltage Limit Derating	
Chrgr Cntctr Stat	Closed	
Chrg Mode	Charge Mode	
Close Chrgr Cntctr	Open	
Generic Fail Sts	At Least One DTC set on Sys Mem	
OBCM Fault Reason	No Faults detected	
OBCM - HV Over Voltage Protect	False	
OBCM - LLC Over Voltage Protect	False	
OBCM - LV Aux Over Voltage Protect	False	
OBCM - LV Aux Under Voltage Protect	False	
OBCM - PFC Over Voltage Protect	False	
OBCM - LLC Under 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 - Power Stage Over Voltage Protect	False	
OBCM - HV Voltage Over MaxCal Protect	False	
OBCM - Internal Memory Fault	False	
OBCM - HV Over Current Protect	False	
OBCM - Over Temperature Protect	False	
OBCM - HCP Loss of Communication Protect	False	
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 - SPI Communication Fault	False	
OBCM - Pilot Short To Battery	False	
OBCM - WakeUp Output Stuck Low	False	
OBCM - HV Voltage Under MinCal Protect	False	
OBCM - WakeUp Output Stuck High	False	
OBCM - HV Battery Not Contact	False	
OBCM - ORC Loss of Communication	False	
OBCM - Loss Communication Protect	False	
OBCM - Receive HV Battery Contact Open From BPCM	False	
OBCM - Secondary Aux Under Voltage Protect	False	
OBCM - Secondary Aux Over Voltage Protect	False	
OBCM - Primary Aux Under Voltage Protect	False	
OBCM - Primary Aux Over Voltage Protect	False	
OBCM - Stuck Shutdown	False	
OBCM - Cycle Shutdown	False	
OBCM - Vehicle Impact	False	
OBCM - HV Under Voltage Protect	False	
OBCM - ARC/CRC Fault	False	
OBCM - AC Contact Welded Fault	False	
Control Pilot Open fault	False	
OBCM - Internal S2 Switch Low Fault	False	
OBCM - Internal S2 Switch High Fault	False	
OBCM - Prox Range Fault	False	
OBCM - Pilot Range Fault	False	
force shutdown fault	False	
Loss SBC communcation (SPI)	False	
HCP stuck low fault	False	
pilot signal wake up issue becase of EVSE	False	
pilto input short to battery fault in Driver mode detecting	False	
pilot input short to ground fault	False	

Retry fault flag	False	
Plant mode flag	False	
pilot short to ground fault in driver mode detecting	False	
HCP stuck High fault	False	
Prox open fault	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	False	
Module A Primary - PFC Power Limit	True	
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	False	
Module A Primary - PFC Over Temperature Protect	False	
Module A Primary - LLC Over Temperature Protect	False	
Module A Primary - LLC Hot Warning	False	
Module A Primary - AC Over Voltage Protect	True	
Module A Primary - Relay Enable States	False	
Module A Primary - PFC Hot Warning	False	
Module A Primary - Aux Over Voltage Protect	False	
Module A Primary - AC Vin Lost	True	
Module A Primary - Secondary Micro Enable Command	False	
Module A Primary - Aux Under Voltage Protect	False	
Module A Primary - Loss Communication Protect	False	
Module A Primary - Standby Mode	True	
Module A Primary - Operate Mode	False	
Module A Primary - Shutdown Mode	False	
Module A Secondary - HV Enable States	False	
Module A Secondary - LLC Under Voltage Protect	False	
Module A Secondary - Aux Enable States	True	
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 - HV Hot Warning	False	
Module A Secondary - Ambient Over Temperature Protect	False	
Module A Secondary - Hot Warning	False	
Module A Secondary - HV Over Temperature Protect	False	
Module A Secondary - Ambient Hot Warning	False	
Module A Secondary - Aux Under Voltage Protect	False	

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

Module B Secondary - Over Temperature Protect	False	
Module B Secondary - HV Over Voltage Protect	False	
Module B Secondary - Ambient Over Temperature Protect	False	
Module B Secondary - LLC Under Voltage Protect	False	
Module B Secondary - HV Enable States	False	
Module B Secondary - HV Over Temperature Protect	False	
Module B Secondary - Hot Warning	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 Enable States	True	
Module B Secondary - Aux Under Voltage Protect	False	
Module B Primary - Shutdown Mode	False	
Module B Secondary - Loss Primary Communication Protect	False	
Module B Secondary - LV Micro Enable Command	False	
Module B Secondary - Operate Mode	False	
Module B Secondary - Primary Turn On States	False	
Module B Secondary - Loss LV Communication Protect	False	
Module B Secondary - HV Under Voltage Protect	False	
Module B Secondary - LLC Over Voltage Protect	False	
Module B Secondary - Primary Shutdown States	False	
Module B Secondary - Shutdown Mode	False	
Module B Secondary - Standby Mode	True	
Module B Secondary - PFC High Temperature Derating	False	
Module B Secondary - LLC High Temperature Derating	False	
Module B Secondary - LLC Low Temperature Derating	False	
Module B Secondary - Ambient High Temperature Derating	False	
Module B Secondary - HV High Temperature Derating	False	
Module B Secondary - LV Micro Disable Command	True	
SBC State_DF00	00	
Module B Secondary - PFC Low Temperature Derating	False	
Module B Secondary - Ambient Low Temperature Derating	False	
Module B Secondary - HV Low Temperature Derating	False	
Module B Secondary - HV Output Voltage Derating	False	
SBC State_E100	00	
SBC State_E180	00	
Module B Secondary - AC Input Voltage Derating	True	
SBC State_DF80	00	
SBC State_E300	00	
SBC State_E500	00	
CANSIP Bus Off	False	
SBC Bus Off	False	
HV Battey Contactor Open	False	
SBC State_E580	00	

EPT LOC Diag Enable	Enable LOC Diagnostic	
HCP Shutdown Command	No Shutdown	
BPCM HV Battery Contactor Open	False	
HV Contactor Status	Closed	
BPCM Request for HV Contactor	False	
Frequency Counter	1	
AC Side Current	0.40	Amps
HCP (EVCU) Current Request	0.00	AMP
HCP (EVCU) AC Current Max Cal	-0.50	Amps
HCP (EVCU) Voltage Request	0	Volts
Original Odometer Value	766	miles
Most Recent Odometer Value	766	miles
Battery Side Current	0.40	Amps
Battery Side Voltage	163.8	Volts
HCP (EVCU) HV Volt Min Cal	244	Volt
Ignition Cycle Counter	0	
HCP (EVCU) HV Current Max Cal	-12.00	Amps
AC Side Volt	2.0	Volts
OBCM Temperature 2	63	°F
HCP (EVCU) HV Volt Max Cal	152	Volt
OBCM Temperature 4	54	°F
OBCM Temperature 3	55	°F
J1772 ICA	0	AMP
Control Pilot Duty Cycle	0.00	%
External OBCM Inlet Temperature (CAN)	-40	°F
OBCM Temperature 1	61	°F
Control Pilot Amplitude	7.493	Volts
Control Pilot Frequency	1024	Hz
Prox Voltage	4.480	Volt
Watt-Hours of AC Power	0	W-Hrs
OBC Idle Tml	17	hrs
Watt Hours of Charge the HV Bus	0	W-Hrs
Module A Primary - LLC Temperature	54	°F
Module A Secondary - Buck Temperature	54	°F
Module A Primary - AC Side Current	-24.70	Amps
Module A Primary - PFC Temperature	54	°F
Module A Secondary - Ambient Temperature	63	°F
Module A Secondary - Battery Side Current	-24.80	Amps
Module A Secondary - Buck Output Voltage	0.1	Volts
Module B Primary - PFC Temperature	55	°F
Module B Secondary - Buck Temperature	55	°F
Module B Primary - AC Side Volt	2.0	Volts
Module B Secondary - Battery Side Voltage	163.7	Volts
Module B Primary - AC Side Current	-24.90	Amps

Module B Secondary - Ambient Temperature	61	°F
Module A Primary - AC Side Volt	2.1	Volts
Module B Secondary - Battery Side Current	-24.80	Amps
Module B Secondary - Buck Output Voltage	0.1	Volts
Module A Secondary - Battery Side Voltage	163.9	Volts
OBC Charge Tml	2823	hrs
Module B Primary - LLC Temperature	57	°F
OBC Charge Time	0	sec
OBC Idle Time	0	sec
OBCM Charge Current Available	0.00	AMP
Ignition on Time for DTC	0	sec

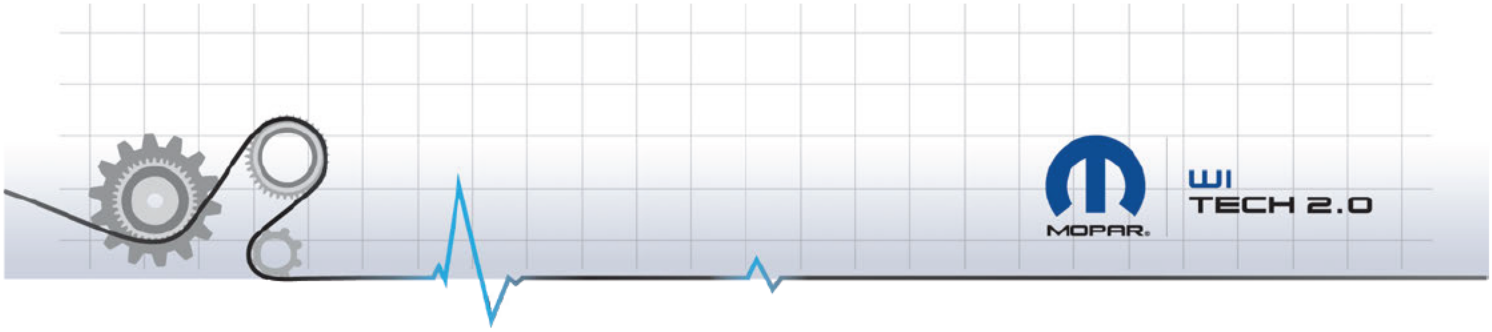
SNAPSHOT DATA SUMMARY

No Snapshot Data available for C2225-00

No Snapshot Data available for U0412-00

No Snapshot Data available for U209E-00

No Snapshot Data available for U209E-00



VEHICLE SCAN REPORT

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

Odometer 1244.0 km
Publication Date Mar 5, 2021, 8:00:50 AM

ECU SUMMARY INFO

ECU	NAME	BUS TYPE	FLASH PART #	CURRENT	ORIGINAL	PART #
PCM	Powertrain Control Module	CAN-C	68444228AE	2C4RC1N7[redacted]	2C4RC1N7[redacted]	68444228AE
ICS	Integrated Center Stack	CAN-I	6UX621X8AA	2C4RC1N7[redacted]	2C4RC1N7[redacted]	6UX621X8AA
RFH	Radio Frequency Hub	CAN-C	68453559AB	2C4RC1N7[redacted]	2C4RC1N7[redacted]	68453559AB
ESM	Electronic Shifter	CAN-C	68240089AM	2C4RC1N7[redacted]	2C4RC1N7[redacted]	68240089AM
ORC	Occupant Restraint	CAN-C	68453076AD	2C4RC1N7[redacted]	2C4RC1N7[redacted]	68453076AD
EPS	Electric Power Steering	CAN-C	68460392AA	2C4RC1N7[redacted]	2C4RC1N7[redacted]	68460392AA
HVAC	Heat, Ventilation and A/C	CAN-I	68447893AC	2C4RC1N7[redacted]	2C4RC1N7[redacted]	68447893AC
DDM	Driver Door Module	CAN-I	68424449AC	2C4RC1N7[redacted]	2C4RC1N7[redacted]	68424449AC
PDM	Passenger Door Module	CAN-I	68424448AC	2C4RC1N7[redacted]	2C4RC1N7[redacted]	68424448AC
DMRL	Door Module Rear Left	CAN-I	68225096AG	2C4RC1N7[redacted]	2C4RC1N7[redacted]	68225096AG
DMRR	Door Module Rear Right	CAN-I	68225096AG	2C4RC1N7[redacted]	2C4RC1N7[redacted]	68225096AG
PSDML	Power Sliding Doors (Left)	CAN-I	68369596AD	2C4RC1N7[redacted]	2C4RC1N7[redacted]	68369596AD
PSDMR	Power Sliding Doors (Right)	CAN-I	68369596AD	2C4RC1N7[redacted]	2C4RC1N7[redacted]	68369596AD
MSM	Memory Seat Module	CAN-I	68321862AC	2C4RC1N7[redacted]	2C4RC1N7[redacted]	68321862AC
PLGM	Power Liftgate	CAN-I	68316094AF	2C4RC1N7[redacted]	2C4RC1N7[redacted]	68316094AF
CSWM	Comfort Seat Wheel Module	CAN-I	68434912AC	2C4RC1N7[redacted]	2C4RC1N7[redacted]	68434912AC
AMP	Amplifier	CAN-I	68448067AA	2C4RC1N7[redacted]	2C4RC1N7[redacted]	68448067AA
IPC	Instrument Panel Cluster	CAN-C	68434956AC	2C4RC1N7[redacted]	2C4RC1N7[redacted]	68434956AC
PTS	Parktronics	CAN-C	68193775AJ	2C4RC1N7[redacted]	2C4RC1N7[redacted]	68193775AJ
SCCM	Steering Column Control Module	CAN-C	68360889AD	2C4RC1N7[redacted]	2C4RC1N7[redacted]	68360889AD
BCM	Body Controller	CAN-C	68424601AE	2C4RC1N7[redacted]	2C4RC1N7[redacted]	68424601AE

ACC	Adaptive Cruise Control	CAN-C	68417813AF	2C4RC1N7	2C4RC1N79	68417813AF
RADIO	Radio	CAN-I	68461768AD	2C4RC1	2C4RC1N79	68461768AD
OCM	Occupant Classification	CAN-C	68403127AA	2C4RC1N7	2C4RC1N79	68403127AA
HVACR	Heat, Ventilation and A/C Rear	CAN-I	68373079AB	2C4RC1N7	2C4RC1N79	68373079AB
LBSS	Left Blind Spot Sensor	CAN-I	04672786AB	2C4RC1N7	2C4RC1N79	04672786AB
RBSS	Right Blind Spot Sensor	CAN-I	04672786AB	2C4RC1N7	2C4RC1N79	04672786AB
FFCM	Forward Facing Camera Module	CAN-C	68493395AA	2C4RC1N7	2C4RC1N79	68493395AA
EDM	External Disc Module	CAN-I	68378304AB	2C4RC1N7	2C4RC1N79	68378304AB
APM	Accessory Power Module	CAN-C	05185046AB	2C4RC1N7	2C4RC1N79	05185046AB
BPCM	Battery Pack Control Module	CAN-C	05193166AD	2C4RC1N7	2C4RC1N79	05193166AD
HCP	Hybrid Control Processor	CAN-C	05190265AF	2C4RC1N7	2C4RC1N79	05190265AF
OBCM	On Board Charging Module	CAN-C	05185047AE	2C4RC1N7	2C4RC1N79	05185047AE
MSMP	Memory Seat Module - Passenger	CAN-I	68321862AC	2C4RC1N7	2C4RC1N79	68321862AC
DSM	Display Screen Module	CAN-I	68316174AC	2C4RC1N7	2C4RC1N79	68316174AC
VRM	Video Routing Module	CAN-I	68376134AG	2C4RC1N7	2C4RC1N79	68376134AG
RCCC	Rear Cabin Comfort Controls	CAN-I	6WL30PD2AA	2C4RC1N7	2C4RC1N79	6WL30PD2AA
CVPM	Central vision processing module	CAN-I	68375113AB	2C4RC1N7	2C4RC1N79	68375113AB
EAC	Electric A/C Compressor	CAN-C	68237995AG	2C4RC1N7	2C4RC1N79	68237995AG
AHCP	Auxiliary Hybrid Control Processor	CAN-C	05190266AF	2C4RC1N7	2C4RC1N79	05190266AF
EBBM	Electronic Brake Booster Module	CAN-C	68461813AB	2C4RC1N7	2C4RC1N79	68461813AB
ABSO	Anti Lock Brakes OBD	CAN-C	68471122AD	2C4RC1N7	2C4RC1N79	68471122AD
SGW	Security Gateway Module	CAN-C	68447193AB		2C4RC1N79	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	13 18 03	4005	F5BC8401
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-	Active

ENVIRONMENTAL DATA SUMMARY

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

NAME	VALUE	UNITS
DTCTable	C0 02 00	
TestFailed	True	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed This Monitoring Cycle	False	
Reserved	Reserved	
TestFailedThisMonitoringCycle	True	
Warning Indicator Requested	False	
DTCExtendedDataRecordNumber	FF	
Occurance Flag	Occurrence	
RDI $6080	60 80	
Event Counter	64	
Frequency Counter	1	
Original Odometer Value	1232	km
Ignition Counter	0	
Most Recent Odometer Value	1232	km

SNAPSHOT DATA SUMMARY

No Snapshot Data available for U0002-00

Part Inquiry | **Part Status** | Order Status | Backorder | Cancellation Tracking | Promotion | Status Code Reference

Part Summary | **Part Detail** | **Part History** | **Shipper Inquiry** | **Part Status Tracking** |

What's New

Order Number:* [redacted] **Part Number:*** 68307396AJ

Search **Clear**

* - Required Field

Part Ordered: 68307396AJ

Part Attributes

Part Noun:	SVCE KIT
Part Description:	
Ruling:	
Part Return Eligibility:	
MSQ:	1

Order Information

Order Type:	Daily
Order Status Description:	OPEN ORDER
Order Master Control Number:	82862222
Line Number:	1
Order Quantity:	1
Order Date:	Dec 10, 2020
Delivery Option:	
Source:	S73019B

Pricing Information

Dealer Net:	0.00
Dealer Discount:	0.00
Price After Discount:	0.00
Tariff:	

Additional Information

VIN: 2C4RC1N[redacted]

Part Comments:

Dec 10,2020; Part: 68307396AJ; STAR CASE # 101 820 426 NO START

In Process - 68307396AJ

Quantity: 1
Date:
Last Updated: 2020-12-22
Case Number: [redacted] Reviewing
Response Comments:

Shipper Number: 2735100
Servicing PDC: 03103
Request Type: SSD

Current ETA: NO ETA
Description: NO PO

Note:

Thank you for your Business.

Chrysler LLC

PART# 68307396AJ DETAILS FOR REQUESTTYPE:SSD
Part Number: 68307396AJ
Date: December 22, 2020
Dealer Code: 60337
Zone:
RequestType: SSD
Campaign Number:
VORREQST for:
Last 8 of VIN: LR263169
Model Year: 2020
Vehicle Make:
Model of Vehicle: CHRYSLER PACIFICA H
Mileage: 771
Vehicle Coverage: Corporate Warranty
Rental Status: Dealer Supplied
Ordering Part For: Dealership
Quantity: 1
Special Handling Order Number: 782886
Special Handling Date:
Dealer Repair Number:
Vehicle Down Since:
Requestor's Name: [redacted]
Telephone Number:
Requestor's Email:
Selling Dealer Code:
Contact Name At Selling Dealer Code:
Email Address:
Contact Direct Phone Number:
Fax#:
Sirius-ID Number:
Work Order Number: 782886
Vehicle Owner Name: [redacted]
Vehicle Parking Status: Yes
Reason for Request: CAR DOWN IN SHOP
MOPAR PARTS RESPONSE
Part Number: 68307396AJ
Status:
Method of Transport:
Response Comments:
Date Printed January 4, 2021 Page: 1/1



2020 CHRYSLER PACIFICA (PHEV) 3.6L V6 HYBRID ENGINE

2C4RC1N[redacted]

14.60 Volts

BPCM

Battery Pack Control Module

Switch ECU

Flash | DTCs | Data | Misc Functions | System Tests | Actuators | Details | Configuration

Current Part Number: 68487194AA
ECU Status:Up-to-Date

ECU	NEW PART NUMBER	CALIBRATION	# OF BULLETINS
BPCM	05193166AD	2019 - 2020 RU PACIFICA BPCM PHEV NAFTA	1

Number	Description
08-050-20	Flash: Battery Pack Control Module (BPCM) Diagnostic and System Updates

- **GLOBAL SEARCH RESULTS FOUND: (Showing 1 of 1)**
- 08-050-20 - Flash: Battery Pack Control Module (BPCM) Diagnostic and System Updates

Document may not be applicable to the selected vehicle

Show more

08 - ELECTRICAL

PLEASE PROVIDE A COPY OF THIS SHEET TO THE SERVICING TECHNICIAN.
PRIOR TO ORDERING THIS PART, THE FOLLOWING MUST BE VERIFIED:

Tech Tip Part Description: SI-eVT Transmission - Motor A gap, China Variant & 9 inertia ring bolts

Tech Tip Description: For SI-eVT Transmission ONLY: Replace the nine (9) flywheel to damper bolts (68382486AA) when replacing the SI-eVT per TechConnect procedure.

North America RU vehicles built prior to Nov 28, 2019 had a 05192374AB level cooler. RL369946AC SI-evT built after Jan 11 2019 and all 68359946AD have the 05192374AC level cooler requires new 68413378AA inlet hose and 68425381AA outlet hose.

China RU vehicles built prior to June 11, 2019 had a 05192374AB level cooler. All 68405320AC have the 05192374AC level cooler requires new 68413378AA inlet hose and 68425381AA outlet hose.

The service SI-eVT is shipped with a non-China wiring harness (68241331AC). China market replacement must replace wiring harness with 68368596AA. The China variant 68368596AA wiring harness has an interlock to the electrical charge door.

The change from Motor A gap m 0.6 mm to 0.8 mm gap requires a different software calibration.

In North America, read the SI-eVT model number on the transmission ID tag or imprinted on the case.

- all 05062423A*, B*, DB & DE have a 0.6 mm gap so use 68359946AD

- all 05062423C*, DC, DD, and DF and later) so use 68490840AA

In China, read the SI-eVT model number on the transmission ID tag or imprinted on the case.

- all 05062509A*, B* have a 0.6 mm gap so use 68405320AC

- all 05062509CA and later (0.8 mm gap) use 68490848AA

Contact us at CAGRIS@Chrysler.com for feedback related ONLY to this GPOP Tech Tip. Please include the Part Number(s) and Tech Tip Part Description of the Tech Tip you are referencing for our tracking system.

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