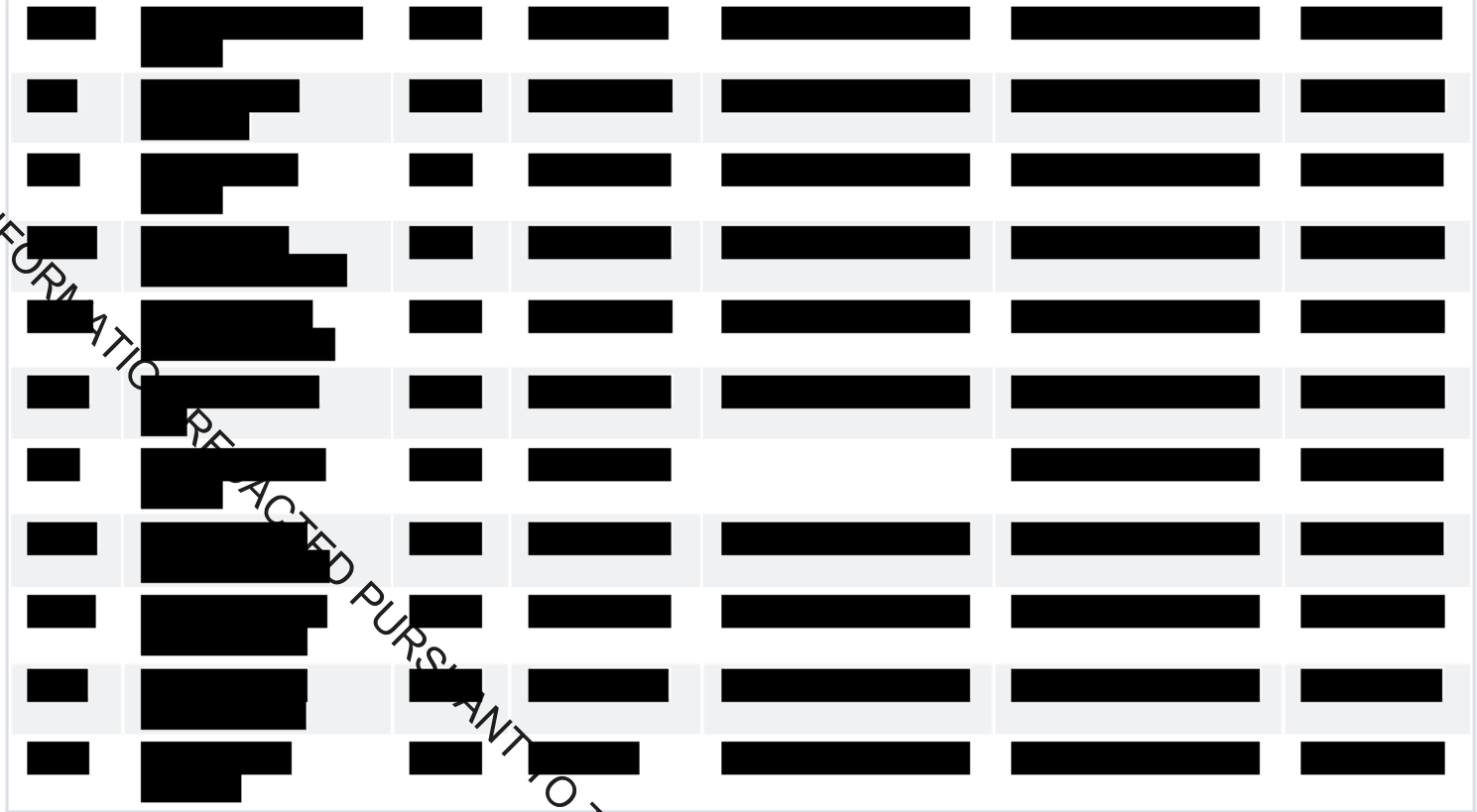
INFORMATION REDACTED PURSUANT TO THE FREEDOM OF INFORMATION ACT (FOIA), 5 U.S.C. 552 (B) (6)

VEHICLE SCAN REPORT

[redacted]

ECU SUMMARY INFO

ECU	NAME	BUS TYPE	FLASH PART #	CURRENT VIN	ORIGINAL VIN	PART #
[redacted]						



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ECU SUMMARY INFO (CONT...)

ECU	COUNTRY CODE	HARDWARE VERSION	SOFTWARE VERSION	IDENT	SERIAL NUMBER	CVNS
TCM						
PCM						
ASBS						
ICS						
RFH						
DTCM						
ORC						
EPS						
HVAC						
AMP						
IPC						
PTS						
SCCM						
BCM						
RADIO						
OCM						
LBSS						
RBSS						

BPCM						
DSM						
CVPM						
[redacted]CP						
ABSCM						
SGW						
DPDM						
IDCM						
TBM2						

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DTC SUMMARY

ECU	DTC CODE	DTC DESCRIPTION	STATUS
BPCM			
HCP			
DASM			
IDCM			
TBM2			Stored

ENVIRONMENTAL DATA SUMMARY

BPCM | [redacted]

NAME	VALUE	UNITS
DTC		
Test Failed		
Test Failed This Operation Cycle		
Pending DTC		
Confirmed DTC		
Test Not Completed Since Last Clear		
Test Failed Since Last Clear		
Test Not Completed This Operation Cycle		
Warning Indicator Requested		
Occurrence flag		
Original Odometer Value		miles
Most Recent Odometer Value		miles
Frequency Counter		
Ignition Cycle Counter		
FoM - for this DTC (lifetime fails)		events
FoM for this DTC (lifetime fails counts on pass)		seconds
FoM - for this DTC (lifetime longest fail on pass)		seconds

Sess onID [redacted]

Battery Total Time Awake	[redacted]	seconds
Key in Ignition	[redacted]	
EPT WakeUp	[redacted]	
HCP Contactor Command	[redacted]	
Contactor Status	[redacted]	
Plug in Status	[redacted]	
Balance Mode	[redacted]	
Vehicle Speed	[redacted]	[redacted]
[redacted]	[redacted]	Volts
Battery Lifetime AmpHrs of Charge	[redacted]	AHr
Battery Lifetime AmpHrs of DisCharge	[redacted]	AHr
HVIL Status -Vehicle	[redacted]	
Cycles left to self heal	[redacted]	No Unit
HV Battery Charge Power 2sec	[redacted]	watts
HV Battery Charge Power 10sec	[redacted]	watts
HV Battery Discharge Power 2sec	[redacted]	watts
HV Battery Discharge Power 10sec	[redacted]	watts
Key DriveRdy (CAN)	[redacted]	
Battery Lifetime Number Of Closes	[redacted]	
Battery Full AmpHr Capacity	[redacted]	AmpHrs
Battery Cell Voltage Maximum	[redacted]	mV
Battery Cell Voltage Minimum	[redacted]	mV
Battery Cell Voltage Average	[redacted]	mV
Battery Temperature Maximum Module	[redacted]	°F
Battery Temperature Minimum Module	[redacted]	°F
Battery Temperature Average Module	[redacted]	°F
DTC Extended Data Record Number All	[redacted]	
DTC Extended Data Record Number 2	[redacted]	
[redacted]	[redacted]	watts
HV Battery Discharge Power 30sec	[redacted]	watts
Key Position	[redacted]	
SOC	[redacted]	%
HV Bat SOH R	[redacted]	%
HV Bat SOH-C	[redacted]	%
Cell Impedance Max Discharge	[redacted]	mOhms
Cell Impedance Min Discharge	[redacted]	mOhms
HVIL Status Battery pack	[redacted]	
HVIL PWM Duty Cycle source Vehicle	[redacted]	%
HVIL PWM Duty Cycle Source - Battery	[redacted]	%
HVIL PWM Duty Cycle Sink Battery	[redacted]	%
HVIL PWM Frequency source - Vehicle	[redacted]	Hz
HVIL PWM Frequency Sink Vehicle	[redacted]	Hz

Sess onID # [redacted]

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HVIL PWM Frequency Source Battery	[redacted]	Hz
HVIL PWM Frequency Sink - Battery	[redacted]	[redacted]
[redacted]	[redacted]	mA
HVIL Returned current - Battery	[redacted]	mA
Battery Cell Highest Cell number	[redacted]	
Battery Cell Lowest Cell number	[redacted]	
HV Battery Current Sensor Primary	[redacted]	Amps
HV Battery Current Sensor Secondary	[redacted]	Amps
HV Battery Current HVBatCrnt	[redacted]	Amps
HV Battery Voltage (cell sum)	[redacted]	Volts
HV Battery Voltage (Module Sum)	[redacted]	Volts
Battery Temperature Highest Sensor number	[redacted]	
Battery Temperature Lowest Sensor number	[redacted]	
HV Cooling Battery coolant inlet temp	[redacted]	°F
HV Cooling Battery coolant outlet temp	[redacted]	°F
BPCM temperature max	[redacted]	°F
BPCM temperature min	[redacted]	°F
Vehicle Isolation Impedance (Positive side)	[redacted]	Mega Ohms
Vehicle Isolation Impedance (Negative side)	[redacted]	Mega Ohms
Vehicle Isolation Impedance (Equivalent)	[redacted]	Mega Ohms
Battery Isolation Impedance (Positive side)	[redacted]	Mega Ohms
Battery Isolation Impedance (Negative side)	[redacted]	Mega Ohms
Battery Isolation Impedance (Equivalent)	[redacted]	Mega Ohms
Engine Speed	[redacted]	rpm
Accelerator position	[redacted]	%
GPS Date - Year	[redacted]	Year
GPS Date Month	[redacted]	
[redacted]	[redacted]	Days
UTC Time - Hours	[redacted]	Hours
UTC Time Minutes	[redacted]	
UTC Time – Seconds	[redacted]	seconds
HCP System Shutdown Command (CAN)	[redacted]	
HCP ePT LOC Diagnostics Enable (CAN)	[redacted]	
HCP - Propulsion system active (CAN)	[redacted]	
HV Sensor Pack Voltage (U BAT P U BAT M)	[redacted]	Volts
HV Sensor - DC Link Voltage (U DC LINK)	[redacted]	Volts
HV Sensor main fuse Voltage (U MAIN P U MAIN M) U DC LINK	[redacted]	Volts
OBCM Fuse Voltage (U MAIN P U AUX FUSE)	[redacted]	Volts

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APM Fuse Voltage (U MAIN P U AUX REL)	[redacted]	Volts
HV Sensor - Battery Voltage - Positive contactor (U BAT P)	[redacted]	[redacted]
[redacted]	[redacted]	Volts
HV Sensor - Weld Contactor Voltage - Positive contactor (U MAIN P)	[redacted]	Volts
HV Sensor Weld Contactor Voltage Negative contactor (U MAIN M)	[redacted]	Volts
HV Sensor U AUX FUSE	[redacted]	Volts
HV Battery Total Amp Hour Capacity (CAN)	[redacted]	[redacted]
[redacted]	[redacted]	
[redacted]	[redacted]	
HV Sensor Pack Voltage VALIDITY (CAN)	[redacted]	
HV Battery Total Amp Hour Capacity VALIDITY (CAN)	[redacted]	
BPCM - MCU Reset Counter	[redacted]	
BPCM RAM Reset Counter	[redacted]	
BPCM - ROM Reset Counter	[redacted]	
BPCM Hall current sensor supply voltage (5VQT1)	[redacted]	Volts
BPCM - Precharge Penalty Timer (CAN)	[redacted]	seconds
BPCM - RTC Circuit Status	1[redacted]	
BPCM HVBat Sleep Time	[redacted]	seconds
BPCM - System Mode	[redacted]	No Unit
BPCM HV Battery pack contactor request (CAN)	[redacted]	
BPCM - HV Battery Pack contactor Open (CAN)	[redacted]	
BPCM - HV Battery pack Contactor welded and impeded opening (CAN)	[redacted]	
[redacted]	[redacted]	
BPCM - Crash Indication VALIDITY (CAN)	[redacted]	
BPCM Retention Status	[redacted]	
BPCM - Active weld check type	[redacted]	
BPCM Current Category of Wearout Counter	[redacted]	
HV Contactor State Positive Contactor	[redacted]	
HV Contactor State - Negative Contactor	[redacted]	
HV Contactor State Precharge Contactor	[redacted]	
CSC Fault - Cn Pin Open	[redacted]	
CSC Fault Cn Short to SWn	[redacted]	
CSC Fault Auxiliary channel 1 Pin Open	[redacted]	
CSC Fault - Auxiliary channel 2 Pin Open	[redacted]	
CSC Fault Measured result difference between Alternative path and Primary path is out of range	[redacted]	
CSC Fault - Balancing Switch Short	[redacted]	
CSC Fault Balancing Switch Open	[redacted]	
CSC Fault Alternate reference voltage is out of range	[redacted]	
CSC Fault - Vaa voltage is out of range	[redacted]	
[redacted]	[redacted]	
CSC Fault - Stuck ADC output bits verification with zero-scale	[redacted]	

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CSC Fault Stuck ADC output bits verification with full scale	[redacted]	
CSC Fault - Multiplexer Open/Short verification with single HVMUX test current source	[redacted]	
CSC Fault Multiplexer Open/Short verification with both HVMUX test current sources	[redacted]	
CSC Fault - Measured result difference between Module voltage and Cell voltage summation	[redacted]	
CSC Fault Vhv < Vhvuv	[redacted]	
CSC Fault Vhv Vdcin > Vhvov	[redacted]	
CSC Fault Die Temperature is over the upper limit	[redacted]	
CSC Fault Scanning for cell information is not complete	[redacted]	
CSC Fault - ADC Data Path error	[redacted]	
CSC Fault Packet Error Check	[redacted]	
CSC Fault - Power-on reset event occurred	[redacted]	
CSC Fault - 32kHz oscillator frequency is not within +/-5% of its expected value	[redacted]	
CSC Fault Same as Alrtosc1(redundant alert)	[redacted]	
[redacted]	[redacted]	
CSC Fault Module number addressing is fail	[redacted]	
CSC Fault - Alive counter is not matched to the expected value	[redacted]	
CSC Fault - PEC Bits in Data-check byte error	[redacted]	
CSC Fault Vhv V12 is too low	[redacted]	
CSC Fault - Transmit data is not equal to read back data	[redacted]	
CSC Diagnostics Initialization Status	[redacted]	
CSC Diagnostics - CSC #01 Status	[redacted]	
CSC Diagnostics - CSC #02 Status	[redacted]	
[redacted]	[redacted]	
CSC Diagnostics - CSC #04 Status	[redacted]	
[redacted]	[redacted]	
CSC Diagnostics - CSC #06 Status	[redacted]	
CSC Diagnostics CSC #07 Status	[redacted]	
CSC Diagnostics CSC #08 Status	[redacted]	
CSC Diagnostics - AFE Internal Operation Mode	[redacted]	
HVIL PWM Duty Cycle sink Vehicle	[redacted]	%
SBC Status	[redacted]	
Vref UV Flag	[redacted]	
Vref UV State	[redacted]	
5UV count @open	[redacted]	
5UV count @close	[redacted]	
12dip count @open	[redacted]	
12dip count @close	[redacted]	
Pos HSD Feedback Voltage	[redacted]	mV
Pos HSD Feedback Current	[redacted]	[redacted]
[redacted]	[redacted]	mV

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Neg HSD Feedback Current	[redacted]	AMP
OCM Value Mon Curr Enrg Val	[redacted]	Watt-Hr
Retention Diagnosis Case	[redacted]	
Retention Diagnosis Flag	[redacted]	
[redacted]	[redacted]	

HEX | [redacted]

NAME	VALUE	UNITS
DTC	[redacted]	
Test Failed	[redacted]	
Test Failed This Operation Cycle	[redacted]	
Pending DTC	[redacted]	
Confirmed DTC	[redacted]	
Test Not Completed Since Last Clear	[redacted]	
Test Failed Since Last Clear	[redacted]	
Test Not Completed This Operation Cycle	[redacted]	
Warning Indicator Requested	[redacted]	
DTC Extended Data Record Number	[redacted]	
Occurrence flag	[redacted]	
Original Odometer Value	[redacted]	miles
Most Recent Odometer Value	[redacted]	miles
Frequency Counter	[redacted]	
Ignition Cycle Counter	[redacted]	
Microcontroller reset reason - Core 0	[redacted]	
Microcontroller reset reason Core 1	[redacted]	
Real time clock	[redacted]	sec
RAM stamps keyOn	[redacted]	sec
RAM Stamps	[redacted]	Min
Accelerator Pedal Position	[redacted]	%
Barometric Pressure	[redacted]	PSI
Engine Coolant Temperature	[redacted]	°F
Engine Speed	[redacted]	rpm
Vehicle Speed	[redacted]	MPH
HV Battery SOC	[redacted]	%
Brake Switch Status	[redacted]	
Battery Feed Voltage 1 Sense	[redacted]	Volts
Battery Feed Voltage 2 Sense	[redacted]	Volts
Battery Feed Voltage 3 Sense	[redacted]	Volts
Internal EPS Voltage Sense A	[redacted]	Volts
Internal EPS Voltage Sense B	[redacted]	Volts
Hybrid System State	[redacted]	
Actual Torque Motor A	[redacted]	Ft Lbs

Sess onID # [redacted]

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Actual Torque Motor B	[redacted]	Ft Lbs
Available Motor Torque - Motor A	[redacted]	Ft-Lbs
Available Motor Torque Motor B	[redacted]	Ft Lbs
Available Regen Torque - Motor A	[redacted]	Ft-Lbs
Available Regen Torque Motor B	[redacted]	Ft Lbs
Commanded Torque Motor A	[redacted]	Ft Lbs
Commanded Torque - Motor B	[redacted]	Ft-Lbs
Motor A Inverter Current phase A	[redacted]	AMP
Motor A Inverter Current - phase B	[redacted]	AMP
Motor A Inverter Current phase C	[redacted]	AMP
Motor B - Inverter Current - phase A	[redacted]	AMP
Motor B - Inverter Current - phase B	[redacted]	AMP
Motor B Inverter Current phase C	[redacted]	AMP
Motor A Resolver Angle	[redacted]	Degree
Motor B Resolver Angle	[redacted]	Degree
Motor A Temp Sensor	[redacted]	°F
Motor B Temp Sensor	[redacted]	°F
Outside Air Temperature	[redacted]	°F
Ignition State	[redacted]	
HCP ePT Wake Up Output	[redacted]	
CBC Wake-Up Input	[redacted]	
EPT LOC Diag Enable	[redacted]	
Propulsion System Active	[redacted]	
HV Contactor Status	[redacted]	
HV Battery Voltage from BPCM	[redacted]	Volts
Electric Motor A Speed	[redacted]	rpm
Electric Motor B Speed	[redacted]	rpm
PIM DC Link Voltage A	[redacted]	Volts
PIM DC Link Voltage - B	[redacted]	Volts
Inverter A IGBT Temperature for phase A	[redacted]	°F
Inverter A IGBT Temperature for phase B	[redacted]	°F
Inverter A IGBT Temperature for phase C	[redacted]	°F
Inverter B IGBT Temperature for phase A	[redacted]	°F
Inverter B IGBT Temperature for phase B	[redacted]	°F
Inverter B IGBT Temperature for phase C	[redacted]	°F
APM Status	[redacted]	
Impact Event	[redacted]	
PRND Position Display	[redacted]	
HCP System Shutdown Command	[redacted]	
PHEV Charging Status	[redacted]	
Distance Travelled with Light ON	[redacted]	miles
OBCM Operating Mode	[redacted]	

Sess onID # [redacted]

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J1772 Prox Detected State	[redacted]	
HV Battery Sleep Time	[redacted]	Days
SW Build Release Version	[redacted]	
HCP SW Version	[redacted]	
High Voltage bus voltage fault status	[redacted]	
HV Battery Voltage	[redacted]	Volts
HV Battery Voltage fault status	[redacted]	
APM HV Voltage	[redacted]	Volts
APM HV Voltage fault status	[redacted]	
ECH HV Voltage	[redacted]	Volts
ECH HV Voltage fault status	[redacted]	
EAC HV Voltage	[redacted]	Volts
EAC HV Voltage fault status	[redacted]	
HV Battery Contactor Status FA	[redacted]	
DAP Contactor Open	[redacted]	
Air PTC Heater HV Voltage	[redacted]	Volts
Air PTC Heater HV Voltage Fault Status	[redacted]	
DBK Heater HV Voltage	[redacted]	Volts
DBK Heater HV Voltage Fault Status	[redacted]	
High Voltage Interlock Status	[redacted]	
Engine WarmpUp Cycle Complete	[redacted]	
Charging System Status	[redacted]	
Charging Level	[redacted]	
High Voltage Contactor Control	[redacted]	
GPS Date Year	[redacted]	Year
GPS Date - Month	[redacted]	
GPS Date Day	[redacted]	Days
UTC Time Hours	[redacted]	Hours
UTC Time - Minutes	[redacted]	
UTC Time Seconds	[redacted]	seconds
ECU Time - Milliseconds	[redacted]	ms

DASM | [redacted]

NAME	[redacted]	[redacted]
[redacted]	[redacted]	
Test Failed	[redacted]	
Test Failed This Operation Cycle	[redacted]	
Pending DTC	[redacted]	
Confirmed DTC	[redacted]	
Test Not Completed Since Last Clear	[redacted]	
Test Failed Since Last Clear	[redacted]	
Test Not Completed This Operation Cycle	[redacted]	

Sess onID # [redacted]

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Warning Indicator Requested	[redacted]	
Occurrence flag	[redacted]	
Original Odometer Value	[redacted]	miles
Most Recent Odometer Value	[redacted]	miles
Frequency Counter	[redacted]	
Operation Cycle Counter	[redacted]	
Vehicle Speed	[redacted]	[redacted]
[redacted]	[redacted]	
System Voltage	[redacted]	Volts

IDCM | [redacted]

NAME	VALUE	UNITS
DTC	[redacted]	
Test Failed	[redacted]	
Test Failed This Operation Cycle	[redacted]	
Pending DTC	[redacted]	
Confirmed DTC	[redacted]	
[redacted]	[redacted]	
Test Failed Since Last Clear	[redacted]	
[redacted]	[redacted]	
Warning Indicator Requested	[redacted]	
Record Numbers	[redacted]	
Aging Counter ID	[redacted]	
Aging Counter	[redacted]	
Frequency Counter ID	[redacted]	
DID DataObject	[redacted]	
Cycle to switch WL off ID ID	[redacted]	
Virtual cycle WL off	[redacted]	

No Environmental Data available for [redacted]

SNAPSHOT DATA SUMMARY

No Snapshot Data available for [redacted]

No Snapshot Data available [redacted]

No Snapshot Data available for [redacted]

IDCM | [redacted]

Record 0

NAME	VALUE	UNITS
DTC		
Test Failed	—	
Test Failed This Operation Cycle	—	
Pending DTC		

Sess onID # [redacted]

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Confirmed DTC		
Test Not Completed Since Last Clear	—	
Test Failed Since Last Clear		
Test Not Completed This Operation Cycle	—	
Warning Indicator Requested		
SnapshotRecordNumber		
DTCSnapshotRecordNumberOfIdentifiers	—	
ECU time stamp ID		
ECU Life Time	—	Min
ECU time stamp from ignition ON ID		
ECU Time since Ignition ON	—	S
Ignition On counter ID	—	
Ignition On counter		
Odometer ID	—	
Odometer		miles
Battery Voltage ID	—	
Battery Voltage	—	V
Operational Mode Status ID		
DID DataObject	—	
Vehicle Speed ID		
Vehicle Speed	—	MPH
HCP (EVCU) Command Values ID	—	
APM High Voltage DC Current Set Point		AMP
APM Low Voltage DC Current Set Point	—	AMP
HCP Commanded APM Operating Mode		
APM High Voltage DC Voltage Set Point	—	Volt
Low voltage battery voltage from HCP		Volt
APM Low Voltage DC Voltage Set Point		Volt
APM Internal Operating State Info ID	—	
APM Internal Mode		
APM Wake Up Status		
APM Wake Up Reason		
APM Current Operating Time		sec
APM Total Operating Time	—	Hours
APM Current Fail Status		
APM Generic Fail Status	—	
Reserved for APM Internal Variables (TBD)		
Reserved for APM Internal Variables (TBD) (2)		
Reserved for APM Internal Variables (TBD) (3)	—	
Reserved for APM Internal Variables (TBD) (4)		
Reserved for APM Internal Variables (TBD) (5)	—	
Reserved for APM Internal Variables (TBD) (6)		

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HCP and BPCM System Status ID		
Enable loss of communication diagnostic	—	
HCP Shutdown Command		
HV Battey Contactor Open	—	
HV Contactor Status		
APM Volt and Current Feedbacks ID		
APM Estimated Power Loss	—	Watt
APM HV side Current Feedback		AMP
APM LV side Current Feedback	—	AMP
APM Operation Mode Status		
APM HV Side Voltage Feedback	—	Volt
APM LV Side Voltage Feedback	—	Volt
APM Volt Current Fault and Derating Status and Temperature Readings ID		
APM Current Limit Mode	—	
APM Power Limit Mode		
APM HV Over Voltage Status	—	
APM LV High I Status	—	
APM LV High Voltage Status		
APM LV Low Voltage Status	—	
APM Derating Mode Status		
APM Derating Reason	—	
APM Failure Mode Status	—	
APM Failure Reason		
APM Temp Cold Plate	—	°F
APM Temp One		°F
APM Temp Two	—	°F
APM Utilization Percentage Of DC/DC		%
APM Batt Feed Voltage		Volt
APM Derating Power	—	Watt
APM Power and SetPoint Feedbacks ID		
APM I DC HV Set P Feedback		AMP
APM LV I Set P Feedback		AMP
APM HV V Set P Feedback		Volt
APM V DC LV Set P Feedback	—	Volt
APM Input Power		Watt
APM Output Power	—	Watt
Battery HV Environmental Parameters ID		
High Voltage Battery Not Detected		
Battery Voltage Under Minimum Voltage Limit	—	
Battery Voltage Over Maximum Voltage Limit		
OBCM Output Current	—	Amps
OBCM Output Voltage		Volts

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HV Battery Contactor Open Status		
OBCM Output Current High Limit Exceeded	—	
OBCM Output Voltage High Limit Exceeded		
Vehicle Maximum DC Current Limit	—	Amps
HV Battery Maximum Charging Votlage Limit		Volt
HV Battery Minimum Charging Votlage Limit		Volt
Reserved - Batt Side Volt Raw	—	
Reserved - Batt Side Current Raw		
Temperature Environmental Parameters ID	—	
OBCM Temperature 1		°F
OBCM Temperature 2	—	°F
OBCM Temperature 3	—	°F
OBCM Temperature 4		°F
OBCM Overtemperature Switch 1 Status	—	
OBCM Overtemperature Switch 2 Status		
OBCM Overtemperature Switch 3 Status	—	
OBCM Overtemperature Switch 4 Status	—	
OBCM Temperature 1 Voltage		Volts
OBCM Temperature 2 Voltage	—	Volts
OBCM Temperature 3 Voltage		Volts
OBCM Temperature 4 Voltage	—	Volts
External OBCM Inlet Termperature	—	°F
OBCM InPlant Charging Test Data ID		
Data Record Number	—	Number
EVSE Pilot Circuit Status		
EVSE Proximity Circuit Status	—	
EVSE Encoded State		
EVSE AC Input Voltage		Volts
Charger Output Voltage	—	Volts
Charger Output Current		Amps
HCP Current Request		AMP
OBCM Charging Time and Energy Environmental Parameters ID		
Current Charging Event Cycle Time		sec
Cumulative Charging Cycle Time	—	hrs
Current Charging Event Idle Time		sec
Cumulative Charging Idle Time	—	hrs
Cumulative Kilowatt Hours of AC power		KW Hrs
Cumulative Kilowatt Hours of DC Charge		KW Hrs
OBCM Operation Status Environmental Parameters ID	—	
OBCM Operating Mode		
OBCM Wake Up Output Status	—	
HCP Shutdown Command		

INFORMATION REDACTED PURSUANT TO THE FREEDOM OF INFORMATION ACT (FOIA), 5 U.S.C. 552 (B)(6)

OBCM Wake Up Output Voltage		Volts
OBCM Wake Up Output Load Current	---	mA
OBCM Wake Up Reason		
HCP OBCM Mode Request	---	
OBCM Aux Into Pilot Switch Status		
OBCM Control Mode		
OBCM Charge Enable Status	---	
HCP Enable Charge Command		
OBCM Fault Status	---	
UDS Current Fail Bit Status		
UDS Generic Fail Bit Status	---	
OBCM Fault Reason	---	
HV Battery Contactor E Open (Latched)		
HV Battery Contactor Status	---	
HCP Wake Up Line Status		
BPCM Wake Up Line Status	---	
OBCM Power Derating Reason	---	
HCP Wake Up Line Voltage		Volts
Main Internal 12V Voltage	---	Volts
Maximum Charge Current Allowed		AMP
Charge Current Available	---	AMP
Number of Error Frames Detected since Wake Up	---	Number
Number of Error Frames Detected in last 10 minutes		Number
OBCM Internal Variables Environmental Parameters ID	---	
OBCM HV Over Voltage Protect		
OBCM - LV Aux Over Voltage Protect	---	
OBCM LV Aux Under Voltage Protect		
OBCM LLC Over Voltage Protect		
OBCM - LLC Under Voltage Protect	---	
OBCM PFC Over Voltage Protect		
OBCM - PFC Under Voltage Protect		
OBCM Battery 12V Under Voltage Protect		
OBCM Battery 12V Over Voltage Protect		
OBCM - AC Under Voltage Protect	---	
OBCM AC Over Voltage Protect		
OBCM - AC Over Current Protect	---	
OBCM HV Voltage Over MaxCal Protect		
OBCM HV Over Current Protect		
OBCM - Power Stage Over Voltage Protect	---	
OBCM Internal Memory Fault		
OBCM - Over Temperature Protect	---	
OBCM HCP Loss of Communication Protect		

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

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Pilot frequency range fault		
Module A Primary - AC Under Voltage Protect	—	
Module A Primary PFC Power Limit		
Module A Primary - PFC Enable States	—	
Module A Primary LLC Enable States		
Module A Primary PFC Under Voltage Protect		
Module A Primary - PFC Over Voltage Protect	—	
Module A Primary Over Temperature Protect		
Module A Primary - Hot Warning	—	
Module A Primary AC Present		
Module A Primary - PFC Over Temperature Protect	—	
Module A Primary - LLC Over Temperature Protect	—	
Module A Primary PFC Hot Warning		
Module A Primary - LLC Hot Warning	—	
Module A Primary AC Over Voltage Protect		
Module A Primary - Relay Enable States	—	
Module A Primary - Aux Over Voltage Protect	—	
Module A Primary Aux Under Voltage Protect		
Module A Primary - Secondary Micro Enable Command	—	
Module A Primary AC Vin Lost		
Module A Primary - Loss Communication Protect	—	
Module A Primary - Standby Mode	—	
Module A Primary Operate Mode		
Module A Primary - Shutdown Mode	—	
Module A Secondary Aux Enable States		
Module A Secondary - HV Enable States	—	
Module A Secondary LLC Under Voltage Protect		
Module A Secondary LLC Over Voltage Protect		
Module A Secondary - HV Over Voltage Protect	—	
Module A Secondary HV Over Current Protect		
Module A Secondary - Over Temperature Protect		
Module A Secondary Hot Warning		
Module A Secondary HV Over Temperature Protect		
Module A Secondary - Ambient Over Temperature Protect	—	
Module A Secondary HV Hot Warning		
Module A Secondary - Ambient Hot Warning	—	
Module A Secondary Aux Over Voltage Protect		
Module A Secondary Aux Under Voltage Protect		
Module A Secondary - Loss Primary Communication Protect	—	
Module A Secondary LV Micro Enable Command		
Module A Secondary - Loss LV Communication Protect	—	
Module A Secondary Primary Turn On States		

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

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Module B Secondary LLC Over Voltage Protect		
Module B Secondary - HV Over Voltage Protect	—	
Module B Secondary HV Over Current Protect		
Module B Secondary - Over Temperature Protect	—	
Module B Secondary Hot Warning		
Module B Secondary HV Over Temperature Protect		
Module B Secondary - Ambient Over Temperature Protect	—	
Module B Secondary HV Hot Warning		
Module B Secondary - Ambient Hot Warning	—	
Module B Secondary Aux Over Voltage Protect		
Module B Secondary - Aux Under Voltage Protect	—	
Module B Secondary - Loss Primary Communication Protect	—	
Module B Secondary LV Micro Enable Command		
Module B Secondary - Loss LV Communication Protect	—	
Module B Secondary Primary Turn On States		
Module B Secondary - Primary Shutdown States	—	
Module B Secondary - HV Under Voltage Protect	—	
Module B Secondary Standby Mode		
Module B Secondary - Operate Mode	—	
Module B Secondary Shutdown Mode		
Module B Secondary - LV Micro Disable Command	—	
Module B Secondary - PFC High Temperature Derating	—	
Module B Secondary PFC Low Temperature Derating		
Module B Secondary - LLC High Temperature Derating	—	
Module B Secondary LLC Low Temperature Derating		
Module B Secondary - HV High Temperature Derating	—	
Module B Secondary HV Low Temperature Derating		
Module B Secondary Ambient High Temperature Derating		
Module B Secondary - Ambient Low Temperature Derating	—	
Module B Secondary AC Input Voltage Derating		
Module B Secondary - HV Output Voltage Derating		
SBC State DF00		
SBC State DF80		
SBC State E100	—	
SBC State E180		
SBC State E300	—	
SBC State E500		
SBC State E580		
AC and HCP Request Environmental Parameters ID	—	
EVSE AC Voltage Detected		
EVSE AC Voltage is Under Minumum Voltage Limit	—	
EVSE AC Voltage is Over Maximum Voltage Limit		

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AC Current While Charging		Amps
AC Voltage While Charging	—	Volts
HCP Vehicle Maximum AC Current Limit		AMP
HCP Charging Voltage Command	—	Volts
HCP Charging Current Command		AMP
Reserved AC Side Voltage Raw		
Reserved - AC Side Current Raw	—	
EVSE Interface Environmental Parameters ID		
EVSE Maximum AC Current Capability	—	AMP
HCP Commanded EVSE AC Contactor State		
Vehicle Charging State	—	
OBCM S2 Contactor State	—	
EVSE Pilot Circuit Voltage		Volts
EVSE Pilot Cicruit Duty Cycle	—	%
EVSE Pilot Circuit Frequency		Hz
EVSE Pilot Circuit Status	—	
EVSE Proximity Circuit Status	—	
EVSE Proximity Circuit Voltage		Volt
IDCM signals ID	—	
HV Battery Voltage from BPCM		Volts
DTC Extended Data Record Number - Record #2	—	
HCP (EVCU) AC Current Max Cal	—	Amps
HCP (EVCU) Current Request		Volts
GPS Date - Year	—	Year
GPS Date Month		
GPS Date - Day	—	Days
UTC Time Hours		Hours
UTC Time Minutes		
UTC Time - Seconds	—	seconds
ECU Time Milliseconds		ms

No Snapshot Data available for [redacted]

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