

ECU SUMMARY INFO

[illegible]

ECU SUMMARY INFO (CONT...)

ECU	COUNTRY CODE	HARDWARE VERSION	SOFTWARE VERSION	IDENT	CVNS
TCM	USA / USA				
PCM	USA				
ICS	USA				
RFH	USA / USA				
ESM	USA				
DTCM	USA				
ORC	USA				
EPS	USA				
HVAC	USA				
AMP	USA				
IPC	USA				
SCCM	USA				
BCM	USA				
RADIO	USA				
OCM	USA				
BPCM	Rest of world / ROW				
HCP	USA				
AHCP	USA				
ABSO	USA				
SGW					
DPDM	USA				
IDCM	USA				

CONFIGURATION

TCM CONFIGURATION

NAME	VALUE	UNITS
ERS/Autostick/Tip Non-paddle on Shifter in D position equipped		
4WD with switchable Lo Range equipped		
FWD Equipped		
Short Learn Enabled		
ERS/Autostick/Tip Non-paddle on Shifter in A or M position equipped		
Tip Non-paddle on Steering Wheel equipped		
Shifter with Sport Mode Position Equipped		
Overdrive Off or Tow Haul Mode Switch or Virtual Switch (Non-Terrain) Equipped		
ECO/Optimizer Switch Equipped		

Engine Start/Stop equipped	■	
Sport Mode Switch or Virtual Switch (Non-Terrain) Equipped	■	
Shifter with Low Mode Position Equipped	■	
Autostick/ERS On/Off Switch Equipped	■	
Paddle-Shift Switches Equipped	■	
RWD Equipped	■	
Long Learn Enabled	■	
AWD Equipped	■	
Polystable 5-shift (Cableless without return-to-center) equipped	■	

PCM CONFIGURATION

NAME	VALUE	UNITS
Secondary Mass Airflow Sensor Equipped	■	
Active Exhaust Pressure Sensor Equipped	■	
Active Exhaust Valve(s) Equipped	■	
Electronic Parking Brake Equipped	■	
High Side Port Tumble Valve Equipped	■	
Heater Temp Control Valve Equipped	■	
Aux Coolant Pump Heater Equipped	■	
Wastegate HBridge Equipped	■	
Mechanical Coolant Pump Equipped	■	
Remote Start Present	■	
Engine Oil Pressure Sensor Type	■	■
Hybrid MEC Shifter Equipped	■	
Engine Idle Shutoff Equipped	■	
Supercharger Equipped	■	
Cooled EGR Equipped	■	
HPT 6-Speed Trans Equipped	■	
PTO System Equipped	■	
Dual Fuel Tank Equipped	■	
Auxiliary Coolant Pump Equipped	■	
CNG Large Gas Tank Equipped	■	
A/C Relay Powered from Engine Switched Battery	■	
Low Temp Radiator Coolant Pump Equipped	■	
Dual Alternator Gen1 Capable	■	
ZF 9-Speed Trans Equipped	■	
1.8 Liter I4 engine	■	
Wastegate H-Bridge Equipped	■	
AC Equipped Over Bus	■	
1.0 Liter I3 Engine	■	
Mechanical Coolant Pump Heater Equipped	■	
Air Shutoff Valve Bank 1 Control Solenoid 1 Equipped	■	
Port Flap Valve Equipped	■	
Active Exhaust Valve Equipped	■	

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

AC Equipped			
Transmission Software Included			
Operator Idle Speed Request Equipped			
Air Shutoff Valve Bank 1 Control Solenoid 2 Equipped			
1 Speed Fan Mechanical Relay System Equipped			
Unleaded Gasoline Fuel			
40FE / 41TE / 41TEA			
Throttle Inlet Temp Sensor Equipped			
Vehicle Speed Sensor #1 Calculated by ECU			
VLP Equipped Indicator			
Knock Sensor 1 Equipped			
Humidity, Temperature and Pressure Sensor (LIN) Equipped			
Continuous Variable Transmission Equipped			
Knock Sensor 2 Equipped			
Engine Stop Start Equipped			
Adaptive Cruise Control Equipped			
Wide Range O2 Sensor 1/1 Equipped			
Starter Relay 2 Equipped			
Linear EGR Equipped			
Hybrid Electric Vehicle Equipped			
66RFE / 68RFE			
Buffered Crank Output for ANC (Active Noise Cancellation) Equipped			
3.2 Liter V6 Engine			
Electronic Throttle Control Equipped			
O2 Sensor Bank 2 Sensor 1 Equipped			
3.0 Liter V6 Engine			
Brake Pedal Sensor Equipped			
Wide Range O2 Sensor 2/1 Equipped			
3.8 Liter V6 Engine			
O2 Sensor Bank 2 Sensor 2 Equipped			
MTV Solenoid Equipped			
Barometric Sensor Equipped			
62TE			
Unleaded diesel fuel			
WI4 Intake Flow Control Valve Equipped			
CUSW PROXI Write Programming Support Enabled			
ZF 9-Speed Transmission Equipped			
Secondary Air Equipped			
4.0 Liter I6 Engine			
Auxiliary Heater Electric Water Pump Equipped			
CUSW (11-Bit) Equipped			
Shift Indicator Lamp Equipped			
Sensorless FFV Enabled			

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Battery Temp Sensor Equipped			
Dual Stage Oil Pump Equipped			
TIP Equipped			
Coolant On-Off Pump Equipped			
Vehicle Speed Sensor #1 Calculated from CAN			
Power Steering Switch Equipped			
Active Grille Shutter Equipped			
6.1 Liter V8 Engine			
Adaptive Cruise Control Hardware Equipped			
Powernet Equipped			
6.4 Liter V8 Engine			
O2 Sensor Bank 1 Sensor 3 Equipped			
EMAT (Getrag DCT transmission) Equipped			
3.7 Liter V6 Engine			
Dual Fuel Pressure Sensor Equipped			
Turbine Volute Valve Actuator Equipped			
Exhaust Cam 1 Equipped			
Secondary Fuel Pump Equipped			
ETC Cruise equipped			
4.7 Liter V8 Engine			
Engine Idle Shutoff Equipped			
Variable Speed Fuel Pump Equipped			
Brushless PWM Fan Equipped			
Variable Displacement AC Equipped			
Police Package Equipped			
2.0 Liter W4 engine			
Dual Speed Fuel Pump Equipped			
Coolant On-Off Valve Equipped			
Dual Fuel Tank Equipped			
Cummins Equipped			
Duty Cycle Purge Valve Equipped			
Active Exhaust Pressure Sensor Equipped			
O2 Sensor Bank 1 Sensor 1 Equipped			
Constant Heater Temperature Control Valve Equipped			
Clutch Interlock Switch Equipped			
Inrush Current Reduction Relay Equipped			
PTO System Equipped			
HPT 6-Speed Transmission Equipped			
Cooled EGR Equipped			
Low Temperature Radiator Coolant Pump Equipped			
42RLE			
O2 Sensor Bank 1 Sensor 2 Equipped			
6.2 Liter V8 Engine			
SRV Equipped			

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

MDS Equipped			
5.7 Liter V8 Engine			
Electric Thermostat Heater Equipped			
Intake Cam 1 Equipped			
VMM Equipped			
VLP Is Learnable Indicator			
AP Shutoff Valve Bank 2 Control Solenoid 2 Equipped			
Fan Wake Up Relay System Equipped			
CUSW (20-Bit) Equipped			
A/C Equipped			
Supercharger Equipped			
2 Speed Fan 3 Driver 2 Relay System Equipped			
Auxiliary Coolant Pump Heater Equipped			
DUAL_ALTERNATOR_GEN1_LEARNEDCOPY			
Fiat 940 Compact Equipped			
3.5 Liter V6 Engine			
Transmission Oil Heater Equipped			
Aisin 6-Speed RWD Transmission Equipped			
Trans Reverse Lockout Equipped			
Turbocharger Equipped			
ERS Equipped Indicator			
3.3 Liter V6 Engine			
2 Speed Fan Mechanical Relay System Equipped			
Yaw Rate Sensor ESC Equipped			
Electric Coolant Valve Equipped			
MultiAir Equipped			
TOOLCONFIG_OIL_PRESS_ABS_EQUIPPED			
Linear PWM Fan Relay System Equipped			
Fixed displacement AC Equipped			
GPEC3 Equipped			
4 Speed Automatic Transmission Equipped			
Linear Purge Equipped			
Buffered Crank Output for PHEV Engine Pulse Calculation Equipped			
Trans Skip Shift Equipped			
Electronic Vacuum Pump Equipped			
VFS Actuators Available Indicator			
Electronic Automatic Transmission (EATX) Equipped			
GPEC2A Equipped			
Active Engine Mount Equipped			
3.6 Liter V6 Engine			
45RFE / 545RFE / 65RFE			
CMCV H-Bridge Equipped			
Electronic Coolant Pump Equipped			
Direct Injection Equipped			

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Tumble Generator Valve Equipped		
Auxiliary Coolant Pump Equipped		
WI4 Variable Valve Timing Equipped		
GPEC4 Equipped		
Next Gen Bus Equipped		
Fiat VIN Learning Strategy Equipped		
PWM Fan Motor System Equipped		
Primary Lin Alternator Equipped		
Compressed Natural Gas Equipped		
ESIM Equipped		
ICC Cruise Equipped		
Electric Water Pump Equipped		
GPEC2 Equipped		
Intake Cam 2 Equipped		
4 Button Integrated Cruise Control		
High Side Port Tumble Valve Equipped		
2.7 Liter V6 Engine		
Viscosity Sensor Equipped		
3 Speed Fan Mechanical Relay System Equipped		
2 Speed Fan PWM Relay System Equipped		
2.4 Liter WI4 engine		
Exhaust Cam 2 Equipped		
Engine Oil Heater Cooler Equipped		
Engine Software In Package		
Oil Pressure Sensor Enabled		
Primary Lin Alternator Equipped		
Coolant On-Off Pump Equipped		
2.0 Liter I4 Direct Injection Engine		
1.0 Liter I3 Engine		
Variable Valve Lift Equipped		
INTAKE O2 SENSOR EQUIPPED		
Throttle Inlet Temp Sensor Equipped		
Cylinder Pressure Sensor Equipped		
Dual Fuel Pressure Sensor Equipped		
SWAP HARDWIRED BRAKE SWITCH INPUTS		
Brake Pedal Sensor Equipped		
Make Up Air Sensor Equipped		
Power Steering Angle Sensor Mandatory		
5 Button Cruise (LIN) Equipped		
CUSW 4-Button Cruise Equipped		
Bi-Directional Crank Sensor Equipped		
Clutch Sensor Equipped		
Operator Idle Speed Request Equipped		
LIN Humidity, Temp, and Pressure Sensor Equipped		

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Mass Airflow System Equipped

ICS CONFIGURATION

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

RFH CONFIGURATION

NAME	VALUE	UNITS
Base TPM Present		
Full Size Matching Spare Tire Present		
Fob Location #3 Successfully Programmed		
Valid Key In Ignition		
Fob Location #4 Successfully Programmed		
Secret Key Sent to Body Controller - Most recent attempt		
Fob Location #7 Successfully Programmed		
Fob Location #8 Successfully Programmed		
Secret Key Sent to Body Controller - Original attempt		
Fob Location #1 Successfully Programmed		
RFHub Locked		
PIN Successfully Programmed		
Fob Location #6 Successfully Programmed		
Fob Location #2 Successfully Programmed		
VIN Successfully Programmed		
Fob Location #5 Successfully Programmed		
Passive Entry		
TPMS Configuration		
Tire Pressure System		
Auto Park Present		
Module Configuration Status		
Secret Codes Programmed		
\$0214 Programmed by		
e-shifter present		
Selectable Tire Fill Alert		
TPM Auto-Locate Enabled		
RKE		
Ignition system type connected		
Remote Start Present		
Keyless Go		
Back Up Customer Settings Menu 1 (CSM1)		
Back Up Customer Settings Menu 2 (CSM2)		
Back Up Vehicle Config 1		
Back Up ECU Configuration 13		

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Back Up Vehicle Config 5

Back Up ECU Configuration 2

Back Up Vehicle Config 2

Back Up ECU Configuration 10

Back Up Vehicle Config 6

Back Up Vehicle Config 7

Back Up ECU Configuration 3

Back Up ECU Configuration 4

Back Up Vehicle Config 4

Back Up ECU Configuration 14

Back Up ECU Configuration 11

Back Up ECU Configuration 6

Back Up ECU Configuration 17

Back Up Programmed ECUs: P/T Chassis Network

Back Up ECU Configuration 1

Back Up ECU Configuration 15

Back Up ECU Configuration 8

Back Up ECU Configuration 16

Back Up ECU Configuration 12

Back Up ECU Configuration 9

Back Up Programmed ECUs: Cabin Network

Back Up ECU Configuration 7

Back Up Vehicle Config 3

Back Up ECU Configuration 5

Hardware Configuration: Remote Start Antenna

Hardware Configuration: Front Left Door Handle H/W

Hardware Configuration: Trunk Door Handle H/W

Hardware Configuration: Rear Right Door Handle H/W

Hardware Configuration: Front Right Door Handle H/W

Hardware Configuration: Rear Left Door Handle H/W

ECU Ship Status

DTCM CONFIGURATION

NAME	VALUE	UNITS
Rear Locker Present		
FAD Present		
Mode Switch Present		
Full-Time T-Case		
Front Locker Present		
SRT Present	—	
T-Case Type		
Left/Right Hand Drive		
Axle Ratio		

ORC CONFIGURATION

NAME	VALUE	UNITS
Right Curtain Squib 1	[REDACTED]	
Driver Seatbelt Retractor Pretensioner	[REDACTED]	
Passenger Seatbelt Anchor Pretensioner	[REDACTED]	
Driver Frontal Squib 2	[REDACTED]	
Left B-Pillar Impact Acceleration Sensor	[REDACTED]	
Right Side Door Pressure Sensor	[REDACTED]	
First Row Driver Seatbelt Buckle Switch	[REDACTED]	
[REDACTED]	[REDACTED]	
Right B-Pillar Impact Acceleration Sensor	[REDACTED]	
Passenger Seatbelt Load Limiter	[REDACTED]	
Driver Frontal Squib 1	[REDACTED]	
Configuration Column Identifier	[REDACTED]	
Passenger Frontal Squib 3	[REDACTED]	
Second Row Left Seat Side Airbag	[REDACTED]	
Passenger Seat Track Position Sensor	[REDACTED]	
Right Up-Front Acceleration Sensor	[REDACTED]	
Second Row Center seat belt Switch	[REDACTED]	
Passenger Frontal Squib 2	[REDACTED]	
Passenger Frontal Squib 1	[REDACTED]	
EPPM	[REDACTED]	
Passenger Seatbelt Buckle Pretensioner	[REDACTED]	
[REDACTED]	[REDACTED]	
Driver Seat Track Position Sensor	[REDACTED]	
Passenger Airbag Disable Indicator	[REDACTED]	
Driver Frontal Squib 4	[REDACTED]	
Left Curtain Squib 1	[REDACTED]	
Driver Seatbelt Anchor Pretensioner	[REDACTED]	
Passenger Seatbelt Retractor Pretensioner	[REDACTED]	
Second Row Right seat belt Switch	[REDACTED]	
Right C-Pillar Impact Acceleration Sensor	[REDACTED]	
Driver Frontal Squib 3	[REDACTED]	
Passenger Airbag Disable Switch	[REDACTED]	
Occupant Classification (OCM)	[REDACTED]	
Left Side Door Pressure Sensor	[REDACTED]	
Left D-Pillar Impact Acceleration Sensor	[REDACTED]	
Second Row Left seat belt Switch	[REDACTED]	
Driver Seatbelt Buckle Pretensioner	[REDACTED]	
Passenger Knee Bolster Squib	[REDACTED]	
Passenger Frontal Squib 4	[REDACTED]	
Right D-Pillar Impact Acceleration Sensor	[REDACTED]	
Left Up-Front Acceleration Sensor	[REDACTED]	
Driver Knee Bolster Squib	[REDACTED]	

INFORMATION

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Second Row Right Seat Side Airbag

Rollover Sensing

Passenger Occupant Detection Sensor

Driver Seatbelt Load Limiter

Left C-Pillar Impact Acceleration Sensor

Left Side Seat Squib 1

HVAC CONFIGURATION

NAME	VALUE	UNITS
DualZone ATC Control		
MTC Without EBL (3Knob)		
MTC heater only (3Knob)		
Single Zone MTC Control		
Dual Zone MTC Control		
DualZone ATC Control (Factory)		
MTC With EBL (3Knob)		

AMP CONFIGURATION

NAME	VALUE	UNITS
ANC Status		
ANC Calibration Date - Year		
ANC Calibration Date - Patch Level		
ANC Calibration Date - Week		
Surround Sound Activated		
Current ANC Calibration ID - Service		
Premuim - 3		
Premuim - 2		
No HALF Chimes		
Non -ANC		
No Rear Doors		
Premuim - 1		
Door Module - Right Front		
Door Module - Left Front		

IPC CONFIGURATION

NAME	VALUE	UNITS
Main Fuel Tank Gauge - 3/4 Datum Calibration		Volts
Main Fuel Tank Gauge - 1/4th Datum Calibration		Volts
Main Fuel Tank Gauge - 1/2 Datum Calibration		Volts
Main Fuel Tank Gauge - Empty Stop Calibration		Volts
Main Fuel Tank Gauge - Full Stop Calibration		Volts
Sub Fuel Tank Gauge - 1/2 Datum Calibration		Volts
Sub Fuel Tank Gauge - 1/4 Datum Calibration		Volts
Sub Fuel Tank Gauge - 3/4 Datum Calibration		Volts

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Sub Fuel Tank Gauge - Full Stop Calibration

Sub Fuel Tank Gauge - Empty Stop Calibration

PHEV

Rear Fog Lamp

JT Vehicle

Low Line Cluster

SCCM CONFIGURATION

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

BCM CONFIGURATION

NAME	VALUE	UNITS
Number of Reprogramming Attempts - Counter #0		
Last Programmed Status		
Vehicle Configuration Programmed Status		
ECU Configuration 6 (Brake)		
Vehicle Configuration 4 - Write Counter		
Vehicle Configuration 3 - Write Counter		
ECU Configuration 3		
Vehicle Configuration 6 - Write Counter		
ECU Configuration 5 (Wireless)		
Programmed Network Configuration - Audio / Telematics Network		
ECU Configuration 7 (CBC Exterior Lighting Calibrations)		
ECU Configuration 10		
ECU Configuration 4		
ECU Configuration 2 (CBC Features)		
ECU Configuration 14		
ECU Configuration 15 (CBC Features)		
Last Configuration Odometer		
ECU Configuration 5 (Memory)		
ECU Configuration 9 (ITM)		
ECU Configuration 5 (Doors)		
Vehicle Configuration Auto Write Counter		
ECU Configuration 12		
Vehicle Configuration 2 - Write Counter		
Programmed ECUs: P/T Chassis Network		
ECU Configuration 15 (Suspension)		
ECU Configuration 6 (Safety)		
ECU Configuration 9A		
Vehicle Config CSM1		

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ECU Configuration 11

Programmed ECUs: Cabin Network

Vehicle Configuration 1 - Write Counter

ECU Configuration 1 (CBC Configurable Inputs and Outputs)

Programmed ECUs: Hybrid LAN Network

ECU Configuration 8 (LIN and Miscellaneous)

ECU Configuration 6 (Powertrain)

Vehicle Configuration 7 - Write Counter

Vehicle Configuration 5 - Write Counter

ECU Configuration 6 (Suspension)

ECU Configuration 13

Vehicle Config CSM2

Remote Start Present

Auto Highbeam

PTS Configuration

Vehicle Line

Maximum Vehicle Speed

Select Speed Control Feature Present

Emode Present

Body Style

Country Code

Model Year

Drive Configuration

Hill Descent Feature Present

Left/Right Hand Drive

Special Packages

Shifter Type

Performance Pages Present

Flipper Glass Present

Special Packages

Off Road Capable

Thatcham Present

Max Load Inflation Pressure Front Tire

Power Inverter Type

Full Size Spare

Rain Sensor Present

Max Load Inflation Pressure Rear Tire

Light Load Inflation Pressure Rear Tire

Air Conditioning Present

SKIM System Present

Cruise Feature is Present

T-Case Type

Vehicle is an SRT

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HVAC Configuration

Window Express Feature Configuration

Keyless Go Present

Door Alert Feature Present

Interior EC Mirror Present

ELV Present

Sunshade Present

Premium TPM system present

Base TPM system present

Auto Headlamp Feature Present

Disable Display of Radio Clock

Two Fuel Sending Units Present

Wheel Base

Collision Mitigation System present

Passive Entry Present

Sport Mode Present

ESCL system present

Secondary Lock Present

Auto Park Present

Adjustable Pedal Feature Present (non-Memory)

Paddle Shift Feature Present

Fuel Capacity

RKE System Present

FOBIK Safe Enable

Power Right Sliding Door Present

Forward Collision Warning present

Police Lighting Feature

Display Compass Heading Present

Chassis Type

Vehicle Brand

Display Outside Temperature Present

Dynamic Tire Circumference (All or Rear)

Transfer Case High Ratio

Transfer Case Low Range Reduction Ratio

Axle Ratio

Dual Rear Wheel (DRW) Vehicle Present

Steering Ratio at Positive Angle 2

Steering Ratio at Positive Angle 4

Steering Ratio at zero

Steering Ratio at Positive Angle 1

Steering Ratio at Positive Angle 3

No Unit

No Unit

No Unit

No Unit

No Unit

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

Steering Ratio at Positive Angle 5		No Unit
Non-Regulated Tire Pressure Information System (TPIS) Present		
Air Quality System Present		
Analog Door Sensor Configuration		
Steering Ratio at Negative Angle 1		No Unit
Steering Ratio at Negative Angle 4		No Unit
Steering Ratio at Negative Angle 5		No Unit
Steering Ratio at Negative Angle 3		No Unit
Steering Ratio at Negative Angle 2		No Unit
Rear Turn Lamps Output Present - Pin E3 & F42		
Hood Ajar Switch Input Present - Pin A11		
Ambient Temperature Sensor Present - Pin D22		
VTA Warning LED Output Present - Pin G22		
Right Dedicated DRL Lamp Output Present - Pin A22		
Diesel Cabin Heater #3 Output Present - Pin D10		
Reserved - Pin E21		
Reserved - Pin E15		
Diesel Cabin Heater #1 Output Present - Pin D11		
Inverter Enable Relay Output Present - Pin F35		
Rear Fog Lamps Output Present - Pin E39 & F5		
Side Markers Output Present - Pin A10 & D5		
Trailer Backup Lamps Output Present - Pin E23		
Reserved - Pin F4		
Reserved - Pin G12		
Park Brake Input Present - Pin E11		
Ambient Light Dimmer Wheel Input Present Pin G9		
Reserved - Pin E47		
Left Rear Door Ajar Input Present - Pin F23		
Front Driver Analog Door Ajar Input Present - Pin F9		
Run-ACC Y Relay #2 Output Present - Pin E9		
Foot Well Lamps Output Present - Pin G24		
UGDO Feed Output Present - Pin G15		
Diesel Cabin Heater #2 Output Present - Pin D9		
Reserved - Pin D20		
Reserved - Pin E35		
Starter Relay Lowside Coil Drive - Pin D7		
Passenger Door Ajar Signal Present - Pin G18		
Low Beam Output Present - Pin A3, D2		
Left Dedicated DRL Lamps Output Present - Pin D15		
Reserved - E20		
Gated Park ZFI Output Present - Pin D-24		
Hard Top Sense Present - Pin E14		
Rear Wiper Motor Park Present - Pin E29		
Reserved - F21		

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Flipper Glass #2 Output Present

Front Fog Lamps Output Present - Pin A1 & D13

Rear Park Lamps Output Present - Pin E4 & F32

Horn Switch Input Present - Pin F29

Headlamp Washer Low Fluid Shut-Off Enable

DRL Lamp Location

LED License Lamps Present

Front Wiper Wipes After Wash

Front Fog Lamp Dropout Enable

Tip Start Enabled

Headlamp Wash Shot

Side Repeaters Enable

Quad Headlamps Enable

LED Front Fog Lamps Present

Combined Rear Lighting Enable

Door Lock Switch Signal FT LT Usage (F9)

LED Rear Turn Lamps Present

Headlamp Wash Interval

LED Front Park/Marker Lamps Present

Military Vehicle Present

LED High Beam Lamps Present

Front Wiper Park Enable

Tunnel Detection

LED Dedicated DRL Present

One Touch Lane Change

LED Stop Lamps Present

Horn Chirp Allowed

Single Element Tail Lamp

LED Front Turn Lamps Present

Door Lock Switch Signal FT RT Usage (F23)

Trailer Tow Present

Exterior Light Loadshed Enable

Park Lamp Loadshed Enable

DRL Configuration

LED Low Beam Lamps Present

LED Rear Fog Lamps Present

Rear Wiper Park Enable

Intermittent Wiper States

LED CHMSL Lamp Present

Wiper Service Position Enabled

LED Reverse Lamps Present

LED Tail Lamps Present

Dual Start Relay System Present

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

DRL Dropout Enable		
Reversible Washer Pump Enable		
Bi Xenon Headlamps Enable		
CTP Max AC Present		
DTV Front Camera Present		
Microphone Type		
MP3 Present		
VIN Check Digit Diable		
Hill Descent Control Present		
Disable CD Effect		
Audio Steering Wheel Switch Configuration		
Vehicle Theft Alarm Present		
Front Park Assist Present		
External Port Type		
Destination		
Cabin Equilization Curve Number		
Radio Display On/Off Softkey Present		
Front Heated Seats Present		
Hill Start Assist Customer Setting Option Present		
DTV Side Camera Present		
Radio Apps Present		
Surround Sound Feature Present		
Rear Camera Present		
Antenna Type		
Hybrid Electric Powertrain Present		
Power Door Locks Present		
Microphone Tuning Parameter		
CTP Auto Lock Disable		
CTP Easy Entry Enable		
Power Inverter Present		
SDAR Travel Link Present		
CTP Passive Entry Present		
Microphone Configuration		
Front Ventilated Seats Present		
Splashscreen Type		
Heated Steering Wheel Present		
Gear Shift Indicator		
Rear Wheel Dually		
ERS Available		
Service Interval		
Temperature Celsius for UK		
Speedometer Range Max Scale		

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

Split Shaft Present		
Max Gear		
PTO Present		
IC Config Feature		
Virtual Speedometer Units		
Heated Seat Present		
Manual Headlamp Leveling		
Type of Gallons		
Tip Start Present		
AP1 Left Front		
AP2 Right Front		
AP5 Trunk Lock		
Airport Scenario Trunk Set		
AP3 Left Rear		
AP4 Right Rear		
Puddle Lamp Present		
Mirror turn signals present		
Window Hall Sensors Present		
Passenger Window Lockout		
Driver Memory Mirrors Present		
Auto Power Folding Mirrors Present		
Tow Mirror Present		
Rear Door Pre Short Drop		
Blindspot Mirror Present		
Electro-chromatic passenger mirror present		
Global Down		
Folding mirrors present		
Frameless Window Present		
Window Motor Type		
Passenger Memory Mirror Present		
Heated Mirrors Present		
Sun Shade		
Electro-chromatic driver mirror present		
Global Up		
Front Vented Seats Present		
Rear Heated Seats Present		
Memory Adjustable Pedals Present		
Memory Seat Present		
Rear Vented Seats Present		
Heated Wheel Material Type		
Tilt/Telescope Steering Present		
Heated Seat Material Type		
Heated Steering Wheel Present		

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

Brake System ECU Configuration B	[REDACTED]	
Wheel 18 inch overall ESC Maserati	[REDACTED]	
Brake System ECU Configuration A	[REDACTED]	
ECO Mode Configuration	[REDACTED]	
Dual Alternator Present	[REDACTED]	
CHMSL Lamp Output Disable	[REDACTED]	
[REDACTED]	[REDACTED]	
Swing Gate Lock Present - Pin F30	[REDACTED]	
Secondary Door Ajar Present - Pin E28	[REDACTED]	
Auto High Beam Module Location	[REDACTED]	
Swing Gate Unlock Present - Pin F33	[REDACTED]	
Rain Sensor Module #2 Present	[REDACTED]	
Rear Fog Voltage	[REDACTED]	[REDACTED]
Front Fog Voltage	[REDACTED]	[REDACTED]
Excess Longitudinal Acceleration Factor	[REDACTED]	
Steering Smoothing Duration	[REDACTED]	
Average Last Lateral Acceleration Values	[REDACTED]	
Maximum Lateral Change	[REDACTED]	
Brake Smoothing Duration	[REDACTED]	
Acceleration Threshold	[REDACTED]	
Acceleration Factor	[REDACTED]	
Brake Smoothing Threshold	[REDACTED]	
Nose Dive Threshold	[REDACTED]	
Steering Smoothing Factor	[REDACTED]	
Nose Dive Factor	[REDACTED]	
Steering Smoothing Threshold	[REDACTED]	
Excess Lateral Acceleration Factor	[REDACTED]	
Maximum Longitudinal Change	[REDACTED]	
Brake Smoothing Factor	[REDACTED]	
Average Last Longitudinal Acceleration Values	[REDACTED]	
RKE Auto-Relock Feature Enable	[REDACTED]	
ASBM Minimum Voltage Time	[REDACTED]	
Interior Lighting Night Threshold	[REDACTED]	[REDACTED]
PE Auto-Relock Feature Enable	[REDACTED]	
ASBM Battery Minimum Voltage	[REDACTED]	
Horn Chirp Duration	[REDACTED]	
[REDACTED]	[REDACTED]	
Pitch and Roll Present	[REDACTED]	
Interior Lighting Day Threshold	[REDACTED]	[REDACTED]
VTA Hood Ajar Monitoring	[REDACTED]	
[REDACTED]	[REDACTED]	
AGS Feature Present	[REDACTED]	
Axle Locker Configuration	[REDACTED]	
PTC Present	[REDACTED]	

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

Park Brake Type		
Hybrid Type		
Transmission Equipped		
Glovebox Control		
TPMS Configuration		
Temperature Display Resolution		
TSB Module Present		
ADR feature Present		
Glare Free Present		
Easy exit seat customer settings menu		
Blind spot alert customer settings menu		
Auto door lock customer settings menu		
Rear view camera gridlines customer settings menu		
Compass variance customer settings menu		
Power unit customer settings menu		
Rain sensitive wipers customer settings menu		
Illuminated approach customer settings menu		
Pressure unit customer settings menu		
Headlamp drop customer settings menu		
Auto on driver comfort customer settings menu		
Auto high beam customer settings menu		
Power liftgate chime customer settings menu		
Unit set customer settings menu		
Auto park customer settings menu		
Headlamp off delay customer settings menu		
Tire jack mode customer settings menu		
Power accessory delay customer settings menu		
Auxiliary switches customer settings menu		
Air suspension warning customer settings menu		
Clock display customer settings menu		
Passive entry customer settings menu		
Performance shift enable customer settings menu		
Distance unit customer settings menu		
Power take off customer settings menu		
Headlamps on with wiper customer settings menu		
Consumption unit customer settings menu		
Lane departure warning customer settings menu		
Park assist rear volume customer settings menu		
Rear camera customer settings menu		
Forward collision warning customer settings menu		
Park assist brake customer settings menu		
Auto entry exit mode customer settings menu		

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

Lane departure torque customer settings menu

Ambient dimmer customer settings menu

Compass calibration customer settings menu

Automatic aero mode customer settings menu

Park assist front volume customer settings menu

Park assist customer settings menu

EBS service mode customer settings menu

Teen Key Fuel Pop-up Customer Settings Menu

Teen Key Automatic High Beam Customer Settings Menu

Rear view camera delay customer settings menu

Passenger Airbag On/Off Customer Settings Menu

RKE unlock customer settings menu

Speed unit customer settings menu

Doors and Engine Off Power Delay Customer Settings Menu

Forward Collision Warning and Brake Customer Settings Menu

Tilt mirror in reverse customer settings menu

Torque unit customer settings menu

Clari-Fi Present

Radio Speaker Open Circuit Disable (RF)

Radio Speaker Open Circuit Disable (LF)

DTV Present

Surround View Camera On/Off Softkey Present

Auto Dimming Mirror Hard Button Present

Rear Defrost and Heated Mirrors Present

Radio Speaker Open Circuit Disable (LR)

Tri-State Comfort Climate Softkey Function Present

Automatic Crash Notification Feature Present

Show Phone Information in Cluster

ANC Calibration Parameter Data Set

Radio Speaker Open Circuit Disable (RR)

Drive Mode Version

Trailer Hitch Camera Present

Park Assist Tuning Set

Right Front Corner Voltage

Left High Beam Voltage Regulation

Left Rear Corner Voltage

Left Front Corner Voltage

Right Low Beam Voltage Regulation

Signature Light Present

Right Rear Corner Voltage

Dual Filament Headlamp

Auto Headlamp On Threshold

Front Turn Lamp Diagnostics

Left Low Beam Voltage Regulation

INFORMATION ACT (FOIA), 5 U.S.C. 552 (B) (6)

Auto Headlamp Off Threshold	[REDACTED]	[REDACTED]
Right High Beam Voltage Regulation	[REDACTED]	
Tilt	[REDACTED]	
Siren	[REDACTED]	
Ultrasonics	[REDACTED]	
Manual Trans Present	[REDACTED]	
Washer Fluid Level Voltage Threshold	[REDACTED]	
Illuminated Approach Taillamp Target Percentage	[REDACTED]	
Illuminated Approach Headlamp Target Percentage	[REDACTED]	
IBS Present	[REDACTED]	
DC to DC Converter #2 Present	[REDACTED]	
EVIC Switch Module Present	[REDACTED]	
CRVMM Present	[REDACTED]	
Humidity Sensor Present	[REDACTED]	
Panic Enable	[REDACTED]	
Compass Mounting Orientation	[REDACTED]	
Auto Relock Time	[REDACTED]	[REDACTED]
DC to DC Converter Present	[REDACTED]	
Compass Mounting Angle	[REDACTED]	[REDACTED]
Illuminated Approach Interior Lighting Target Percentage	[REDACTED]	
Illuminated Approach Interior Lighting Ramp Up Time	[REDACTED]	
ASBM Present	[REDACTED]	
VTA System Present	[REDACTED]	
ASBMM Present	[REDACTED]	
Speedometer Tolerance	[REDACTED]	
Steering C Factor	[REDACTED]	
Increasing speed constant	[REDACTED]	
Tachometer Type	[REDACTED]	
Passenger Kneebag Present	[REDACTED]	
ODS Present	[REDACTED]	
Driver Kneebag Present	[REDACTED]	
BUX vehicle	[REDACTED]	
Integrated EPP Present	[REDACTED]	
2nd Row Seat Airbags Present	[REDACTED]	
Passive Ped Pro Present	[REDACTED]	
Curtain Airbags Present	[REDACTED]	
Tow Hooks Present	[REDACTED]	
Reserved	[REDACTED]	
Reserved	[REDACTED]	
ANC	[REDACTED]	
PCM	[REDACTED]	
OCM	[REDACTED]	
[REDACTED]	[REDACTED]	
SGW	[REDACTED]	

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

ITBM		
ABS		
AHLM/AFLS		
ESM		
EDM		
ELSD		
IPC		
TPM		
SCCM		
EPS		
ASCM		
DTCM		
PTS		
TCM		
BCM (PT)		
RFH		
Heated Mirrors Present		
Engine Displacement		
Rear Defrost Presence		
AMP		
TBM		
HVAC_R		
RBSM		
LBSM		
EDM		
Radio		
PTCM		
BCM (Interior Bus)		
HSM		
ITM		
HVAC		
Right High Beam Present - Pin A2		
Left Rear Turn Lamp Diagnostics Present - Pin F27		
Stop/Turn Lamp or Stop Lamp Present Pin E2 & F40		
Signature Lamps or Mirror Repeater Present - Pin A5 & Pin A7		
Brake Fluid Level Switch Signal Present - Pin D21		
Backup Reverse Lamp Left Present - Pin F41		
Left Front Lamp Diagnostics Present - Pin F25		
Right Front Lamp Diagnostics Present - Pin F28		
Left High Beam Present - Pin D1		
Right Rear Turn Lamp Diagnostics Present - Pin F31		
Backup Reverse Lamp Right Present - Pin E1		

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

RADIO CONFIGURATION

NAME	VALUE	UNITS
Compass on the bus messaging Authorization	[REDACTED]	
GPS on the Bus messaging Authorization	[REDACTED]	
Satellite Subscription Suspend Day	[REDACTED]	
Satellite Subscription Reason Code	[REDACTED]	
Satellite Subscription Suspend Year	[REDACTED]	
Satellite Subscription Suspend Month	[REDACTED]	
Satellite Subscription Status	[REDACTED]	
Satellite Subscription ID	[REDACTED]	
Aux Jack	[REDACTED]	
USB Hubs Detected	[REDACTED]	[REDACTED]
SD Card Readers Detected	[REDACTED]	[REDACTED]
Enumerated USB Devices	[REDACTED]	[REDACTED]
DTV Short Term Configuration	-	
911 Button	[REDACTED]	
SDARS	[REDACTED]	
Internal CD Player	[REDACTED]	
Application Framework	[REDACTED]	
Bluetooth	[REDACTED]	
Navigation Active	[REDACTED]	
FM Diversity	[REDACTED]	
Cellular	[REDACTED]	
Wi-Fi	[REDACTED]	
Splash Screen	[REDACTED]	
Anti-Theft Enable Status	[REDACTED]	
Automated Loudness	[REDACTED]	
Front Seat Video Playback	[REDACTED]	
Clock Defeat	[REDACTED]	
Cabin EQ Curve Number Currently Used by Radio	[REDACTED]	
12/24 Time Selection	[REDACTED]	

ABSO CONFIGURATION

NAME	VALUE	UNITS
Trans Type	[REDACTED]	
Drive Configuration	[REDACTED]	
Displacement	[REDACTED]	[REDACTED]
Hybrid Type	[REDACTED]	
Vehicle Line Identification	[REDACTED]	
Chassis Type	[REDACTED]	
Axle Ratio	[REDACTED]	[REDACTED]
Tire Circumference	[REDACTED]	[REDACTED]

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



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TECH 2.0

ECU SUMMARY INFO

[illegible]

ECU	COUNTRY CODE	HARDWARE VERSION	SOFTWARE VERSION	IDENT	CVNS
TCM	USA / USA	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
PCM	USA	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
ICS	USA	[REDACTED]	[REDACTED]	[REDACTED]	
RFH	USA / USA	[REDACTED]	[REDACTED]	[REDACTED]	
ESM	USA	[REDACTED]	[REDACTED]	[REDACTED]	
DTCM	USA	[REDACTED]	[REDACTED]	[REDACTED]	
ORC	USA	[REDACTED]	[REDACTED]	[REDACTED]	
EPS	USA	[REDACTED]	[REDACTED]	[REDACTED]	
HVAC	USA	[REDACTED]	[REDACTED]	[REDACTED]	
AMP	USA	[REDACTED]	[REDACTED]	[REDACTED]	
IPC	USA	[REDACTED]	[REDACTED]	[REDACTED]	
SCCM	USA	[REDACTED]	[REDACTED]	[REDACTED]	
BCM	USA	[REDACTED]	[REDACTED]	[REDACTED]	
RADIO	USA	[REDACTED]	[REDACTED]	[REDACTED]	
OCM	USA	[REDACTED]	[REDACTED]	[REDACTED]	
BPCM	Rest of world / ROW	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
HCP	USA	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
AHCP	USA	[REDACTED]	[REDACTED]	[REDACTED]	
ABSO	USA	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
SGW		[REDACTED]	[REDACTED]	[REDACTED]	
DPDM	USA	[REDACTED]	[REDACTED]	[REDACTED]	
IDCM	USA	[REDACTED]	[REDACTED]	[REDACTED]	

[illegible]

ENVIRONMENTAL DATA SUMMARY

RADIO |

NAME	VALUE	UNITS
DTCTable		
TestFailed		
TestFailedThisMonitoringCycle		
Pending DTC		
Confirmed DTC		
Test Not Completed This Monitoring Cycle		
Warning Indicator Requested		
DTCExtendedDataRecordNumber		
Occurance Flag		
Reserved		
Original Odometer Value		
Most Recent Odometer Value		
Frequency Counter		
Ignition Counter		
RDI \$6080		
Event Counter		

HCP |

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		
DTC Extended Data Record Number		
Occurrence flag		
Original Odometer Value		
Most Recent Odometer Value		
Frequency Counter		
Ignition Cycle Counter		
Microcontroller reset reason - Core 0		
Microcontroller reset reason - Core 1		
Real time clock		
RAM stamps keyOn		
RAM Stamps		
Accelerator Pedal Position		
Barometric Pressure		

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

Engine Coolant Temperature		
Engine Speed		
Vehicle Speed		
HV Battery SOC		
Brake Switch Status		
Battery Feed Voltage 1 Sense		
Battery Feed Voltage 2 Sense		
Battery Feed Voltage 3 Sense		
Internal EPS Voltage Sense A		
Internal EPS Voltage Sense B		
Hybrid System State		
Actual Torque - Motor A		
Actual Torque - Motor B		
Available Motor Torque - Motor A		
Available Motor Torque - Motor B		
Available Regen Torque - Motor A		
Available Regen Torque - Motor B		
Commanded Torque - Motor A		
Commanded Torque - Motor B		
Motor A - Inverter Current - phase A		
Motor A - Inverter Current - phase B		
Motor A - Inverter Current - phase C		
Motor B - Inverter Current - phase A		
Motor B - Inverter Current - phase B		
Motor B - Inverter Current - phase C		
Motor B Resolver Angle		
Motor A Temp Sensor		
Motor B Temp Sensor		
Outside Air Temperature		
Ignition State		
HCP ePT Wake-Up Output		
CBC Wake-Up Input		
EPT LOC Diag Enable		
Propulsion System Active		
HV Contactor Status		
HV Battery Voltage from BPCM		
Electric Motor A Speed		
Electric Motor B Speed		
PIM DC Link Voltage - A		
PIM DC Link Voltage - B		
Inverter A IGBT Temperature for phase A		
Inverter A IGBT Temperature for phase B		
Inverter A IGBT Temperature for phase C		

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

Inverter B IGBT Temperature for phase A

Inverter B IGBT Temperature for phase B

Inverter B IGBT Temperature for phase C

APM Status

Impact Event

PRND Position Display

HCP System Shutdown Command

HCP Charging Status

Distance Travelled with Light ON

OBCM Operating Mode

J1772 Prox Detected State

[REDACTED]

SW Build Release Version

HCP SW Version

HVIL Sense Input State

No Charging Reasons

CAN Overrun Counter

Maximum Charge Current Allowed

Charge Current Available

OBCM Derating Reason

HCP Commanded OBCM Mode

J1772 Pilot Detected State

OBCM J1772 S2 Status

HCP J1772 S2 Close Command

OBCM Ready to Charge

HCP Command to Enable Charging

HCP Charging Level

HCP Charging System Fault

DC Voltage Not Detected

AC Voltage Detected

HV Battery Actual Current

AC Voltage for Charging

AC Current During Charging

Maximum EVSE Current Available

HCP Charging Current Command

HCP Charging Voltage Command

DC Charging Current

OBCM Charging Voltage

OBCM Module A Max Temperature

OBCM Module A PCB Temperature

OBCM Module B Max Temperature

OBCM Module B PCB Temperature

OBCM Accumulated Charging Time

OBCM Charging Power

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

HV Battery Pump Current

Radiator Fan Command

HV Battery Inlet Temperature

HV Battery Outlet Temperature

HV Battery Min Cell Voltage

Max Cell Voltage

Min Cell Temperature

Max Cell Temperature

GPS Date - Year

GPS Date - Month

GPS Date - Day

UTC Time - Hours

UTC Time - Minutes

UTC Time - Seconds

ECU Time - Milliseconds

HCP

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

Warning Indicator Requested

DTC Extended Data Record Number

Occurrence flag

Original Odometer Value

Most Recent Odometer Value

Frequency Counter

Ignition Cycle Counter

Microcontroller reset reason - Core 0

Microcontroller reset reason - Core 1

Real time clock

RAM stamps keyOn

RAM Stamps

Accelerator Pedal Position

Barometric Pressure

Engine Coolant Temperature

Engine Speed

Vehicle Speed

HV Battery SOC

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

Brake Switch Status		
Battery Feed Voltage 1 Sense		
Battery Feed Voltage 2 Sense		
Battery Feed Voltage 3 Sense		
Internal EPS Voltage Sense A		
Internal EPS Voltage Sense B		
Hybrid System State		
Actual Torque - Motor A		
Actual Torque - Motor B		
Available Motor Torque - Motor A		
Available Motor Torque - Motor B		
Available Regen Torque - Motor A		
Available Regen Torque - Motor B		
Commanded Torque - Motor A		
Commanded Torque - Motor B		
Motor A - Inverter Current - phase A		
Motor A - Inverter Current - phase B		
Motor A - Inverter Current - phase C		
Motor B - Inverter Current - phase A		
Motor B - Inverter Current - phase B		
Motor B - Inverter Current - phase C		
Motor A Resolver Angle		
Motor B Resolver Angle		
Motor A Temp Sensor		
Motor B Temp Sensor		
Outside Air Temperature		
Ignition State		
HCP ePT Wake-Up Output		
CBC Wake-Up Input		
EPT LOC Diag Enable		
Propulsion System Active		
HV Contactor Status		
HV Battery Voltage from BPCM		
Electric Motor A Speed		
Electric Motor B Speed		
PIM DC Link Voltage - A		
PIM DC Link Voltage - B		
Inverter A IGBT Temperature for phase A		
Inverter A IGBT Temperature for phase B		
Inverter A IGBT Temperature for phase C		
Inverter B IGBT Temperature for phase A		
Inverter B IGBT Temperature for phase B		
Inverter B IGBT Temperature for phase C		
APM Status		

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

Impact Event		
PRND Position Display		
HCP System Shutdown Command		
PHEV Charging Status		
Distance Travelled with Light ON		
OBCM Operating Mode		
1772 Prox Detected State		
HV Battery Sleep Time		
SW Build Release Version		
HCP SW Version		
High Voltage Bus voltage fault status		
HV Battery Voltage		Volts
HV Battery Voltage fault status		
APM HV Voltage		Volts
APM HV Voltage fault status		
ECH HV Voltage		Volts
ECH HV Voltage fault status		
EAC HV Voltage		Volts
EAC HV Voltage fault status		
HV Battery Contactor Status FA		
DAP Contactor Open		
Air PTC Heater HV Voltage		Volts
Air PTC Heater HV Voltage Fault Status		
DBK Heater HV Voltage		Volts
DBK Heater HV Voltage Fault Status		
High Voltage Interlock Status		
Engine WarmUp Cycle Complete		
Charging System Status		
Charging Level		
High Voltage Contactor Control		
GPS Date - Year		Year
GPS Date - Month		
GPS Date - Day		Days
UTC Time - Hours		Hours
UTC Time - Minutes		
UTC Time - Seconds		Seconds
ECU Time - Milliseconds		ms

HCP |

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

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

Test Not Completed Since Last Clear

Test Failed Since Last Clear

Test Not Completed This Operation Cycle

Warning Indicator Requested

DTC Extended Data Record Number

Occurrence flag

Original Odometer Value

Most Recent Odometer Value

Frequency Counter

Ignition Cycle Counter

Microcontroller reset reason - Core 0

Microcontroller reset reason - Core 1

Real time clock

sec

RAM stamps keyOn

sec

RAM Stamps

Min

Accelerator Pedal Position

%

Barometric Pressure

PSI

Engine Coolant Temperature

°F

Engine Speed

0

rpm

Vehicle Speed

MPH

HV Battery SOC

%

Brake Switch Status

Battery Feed Voltage 1 Sense

Volts

Battery Feed Voltage 2 Sense

Volts

Battery Feed Voltage 3 Sense

Volts

Internal EPS Voltage Sense A

Volts

Internal EPS Voltage Sense B

Volts

Hybrid System State

Actual Torque - Motor A

Ft-Lbs

Actual Torque - Motor B

Ft-Lbs

Available Motor Torque - Motor A

Ft-Lbs

Available Motor Torque - Motor B

Ft-Lbs

Available Regen Torque - Motor A

Ft-Lbs

Available Regen Torque - Motor B

Ft-Lbs

Commanded Torque - Motor A

Ft-Lbs

Commanded Torque - Motor B

Ft-Lbs

Motor A - Inverter Current - phase A

AMP

Motor A - Inverter Current - phase B

AMP

Motor A - Inverter Current - phase C

0

AMP

Motor B - Inverter Current - phase A

AMP

Motor B - Inverter Current - phase B

AMP

Motor A Resolver Angle

Degree

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

Motor B Resolver Angle		Degree
Motor A Temp Sensor		°F
Motor B Temp Sensor		°F
Outside Air Temperature		°F
Ignition State		
HCP ePT Wake-Up Output		
BPC Wake-Up Input		
EPIC QC Diag Enable		
Propulsion System Active		
HV Contactor Status		
HV Battery Voltage from BPCM		Volts
Electric Motor A Speed		rpm
Electric Motor B Speed		rpm
PIM DC Link Voltage - A		Volts
PIM DC Link Voltage - B		Volts
Inverter A IGBT Temperature for phase A		°F
Inverter A IGBT Temperature for phase B		°F
Inverter A IGBT Temperature for phase C		°F
Inverter B IGBT Temperature for phase A		°F
Inverter B IGBT Temperature for phase B		°F
Inverter B IGBT Temperature for phase C		°F
APM Status		
Impact Event		
PRND Position Display		
HCP System Shutdown Command		
PHEV Charging Status		
Distance Travelled with Light ON		miles
OBCM Operating Mode		
J1772 Prox Detected State		
HV Battery Sleep Time		Days
SW Build Release Version		
HCP SW Version		
HVIL Sense Input State		
No Charging Reasons		
CAN Overrun Counter		Number
Maximum Charge Current Allowed		amps
Charge Current Available		AMP
OBCM Derating Reason		
HCP Commanded OBCM Mode		
J1772 Pilot Detected State		
OBCM J1772 S2 Status		
HCP J1772 S2 Close Command		
OBCM Ready to Charge		
HCP Command to Enable Charging		

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

HCP Charging Level		
HCP Charging System Fault		
DC Voltage Not Detected		
AC Voltage Detected		
HV Battery Actual Current		AMP
AC Voltage for Charging		Volts
DC Current During Charging		Amps
Maximum EVSE Current Available		AMP
HCP Charging Current Command		AMP
HCP Charging Voltage Command		Volts
DC Charging Current		Amps
OBCM Charging Voltage		Volts
OBCM Module A Max Temperature		°F
OBCM Module A PCB Temperature		°F
OBCM Module B Max Temperature		°F
OBCM Module B PCB Temperature		°F
OBCM Accumulated Charging Time		
		KW-Hrs
HV Battery Pump Current		AMP
Radiator Fan Command		%
HV Battery Inlet Temperature		°F
HV Battery Outlet Temperature		°F
HV Battery Min Cell Voltage		
		Volts
Min Cell Temperature		°F
Max Cell Temperature		°F
GPS Date - Year		Year
GPS Date - Month		
GPS Date - Day		Days
UTC Time - Hours		Hours
UTC Time - Minutes		
UTC Time - Seconds		seconds
ECU Time - Milliseconds		ms

HCP |

	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		

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

Warning Indicator Requested		
DTC Extended Data Record Number		
Occurrence flag		
Original Odometer Value		miles
Most Recent Odometer Value		miles
Frequency Counter		
Ignition Cycle Counter		
Microcontroller reset reason - Core 0		
Microcontroller reset reason - Core 1		
Real time clock		sec
RAM stamps key on		sec
RAM Stamps		Min
Accelerator Pedal Position		%
Barometric Pressure		PSI
Engine Coolant Temperature		°F
Engine Speed		rpm
Vehicle Speed		MPH
HV Battery SOC		%
Brake Switch Status		
Battery Feed Voltage 1 Sense		Volts
Battery Feed Voltage 2 Sense		Volts
Battery Feed Voltage 3 Sense		Volts
Internal EPS Voltage Sense A		Volts
Internal EPS Voltage Sense B		Volts
Hybrid System State		
Actual Torque - Motor A		Ft-Lbs
Actual Torque - Motor B		Ft-Lbs
Available Motor Torque - Motor A		Ft-Lbs
Available Motor Torque - Motor B		Ft-Lbs
Available Regen Torque - Motor A		Ft-Lbs
Available Regen Torque - Motor B		Ft-Lbs
Commanded Torque - Motor A		Ft-Lbs
Commanded Torque - Motor B		Ft-Lbs
Motor A - Inverter Current - phase A		AMP
Motor A - Inverter Current - phase B		AMP
Motor A - Inverter Current - phase C		AMP
Motor B - Inverter Current - phase A		AMP
Motor B - Inverter Current - phase B		AMP
Motor B - Inverter Current - phase C		AMP
Motor A Resolver Angle		Degree
Motor B Resolver Angle		Degree
Motor A Temp Sensor		°F
Motor B Temp Sensor		°F
Outside Air Temperature		°F

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

Ignition State	Reserved	
HCP ePT Wake-Up Output		
CBC Wake-Up Input		
EPT LOC Diag Enable		
Propulsion System Active		
HV Contactor Status		
HV Battery Voltage from BPCM		Volts
Electric Motor A Speed		rpm
Electric Motor B Speed		rpm
PIM DC Link Voltage - A		Volts
PIM DC Link Voltage - B		Volts
Inverter A IGBT Temperature for phase A		°F
Inverter A IGBT Temperature for phase B		°F
Inverter A IGBT Temperature for phase C		°F
Inverter B IGBT Temperature for phase A		°F
Inverter B IGBT Temperature for phase B		°F
Inverter B IGBT Temperature for phase C		°F
APM Status		
Impact Event		
PRND Position Display		
HCP System Shutdown Command		
PHEV Charging Status		
Distance Travelled with Light ON		miles
OBCM Operating Mode		
J1772 Prox Detected State		
HV Battery Sleep Time		Days
SW Build Release Version		
HCP SW Version		
HVIL Sense Input State		
No Charging Reasons		
CAN Overrun Counter		Number
Maximum Charge Current Allowed		Amps
Charge Current Available		AMP
OBCM Derating Reason		
HCP Commanded OBCM Mode		
J1772 Pilot Detected State		
OBCM J1772 S2 Status		
HCP J1772 S2 Close Command		
OBCM Ready to Charge		
HCP Command to Enable Charging		
HCP Charging Level		
HCP Charging System Fault		
DC Voltage Not Detected		
AC Voltage Detected		

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

HV Battery Actual Current		AMP
AC Voltage for Charging		Volts
AC Current During Charging		Amps
Maximum EVSE Current Available		AMP
HCP Charging Current Command		AMP
HCP Charging Voltage Command		Volts
CC Charging Current		
		Volts
OBCM Module A Max Temperature		°F
OBCM Module A PCB Temperature		°F
OBCM Module B Max Temperature		°F
OBCM Module B PCB Temperature		°F
OBCM Accumulated Charging Time		hrs
OBCM Charging Power		KW-Hrs
HV Battery Pump Current		AMP
Radiator Fan Command		%
HV Battery Inlet Temperature		°F
HV Battery Outlet Temperature		°F
HV Battery Min Cell Voltage		Volts
Max Cell Voltage		Volts
Min Cell Temperature		°F
Max Cell Temperature		°F
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

IDCM |

	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		
Warning Indicator Requested		
DTC Extended Data Record Number - All		
Occurrence flag		
Original Odometer Value		miles

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

Most Recent Odometer Value		miles
Frequency Counter		
Ignition Cycle Counter		
		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 Mode		
APM Wake Up Status		
APM Wake Up Reason		
HV Contactor Status		
HV Battery Voltage from BPCM		Volt
APM Estimated Power		Watt
APM HV side Current Feedback		AMP
APM LV side Current Feedback		AMP
APM Operation Mode Status Reported from APM		
APM HV Side Voltage Feedback		Volt
APM LV Side Voltage Feedback		Volt
APM Current Limit Mode		
APM Power Limit Mode		
APM HV Over V Status		
APM LV High I Status		
APM LV High V Status		
APM LV Low V Status		
CurrentFailSts_APM		
GenericFailSts_APM		
APM Derating Mode Status		
APM Derating Reason		
APM Failure Mode Status		
APM Failure Reason		
APM Temp One		°F
APM Temp Cold Plate		°F
APM Temp Two		°F
APM Util Pct of DC/DC		%
APM Derating Power		Watt
APM Batt Feed Volt		Volt
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

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

APM_CurrentOperTime		sec
APM_TotalOperTime		Hours
DTC Extended Data Record Number - Record #2		
OBCM Status AC Present		
AC Line Low		
AC Line High		
AC Side Current		Amps
AC Side Volt		Volts
HCP (EVCU) AC Current Max Cal		Amps
HCP (EVCU) Voltage Request		Volts
HCP (EVCU) Current Request		AMP
Battery Not Detected		
Battery Voltage Under Min		
Battery Voltage Over Max		
Battery Side Current		Amps
Battery Side Voltage		Volts
OBCM Charge Current Available		AMP
BPCM HV Battery Contactor Open		
HV OC		
HV OV		
SBC Bus Off		
CANSIP Bus Off		
		Amps
HCP (EVCU) HV Volt Max Cal		Volt
HCP (EVCU) HV Volt Min Cal		Volt
OBCM Temperature 1		°F
OBCM Temperature 2		°F
OBCM Temperature 3		°F
OBCM Temperature 4		°F
NTC1 OT		
NTC2 OT		
NTC3 OT		
NTC4 OT		
External OBCM Inlet Temperature (CAN)		°F
J1772 ICA		AMP
J1772 S2 Close		
J1772 Stat		
J1772 S2 Status		
Control Pilot Amplitude		Volts
Control Pilot Duty Cycle		%
Control Pilot Frequency		Hz
EVSE Pilot Stat		
Prox Stat		
Prox Voltage		Volt

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

OBC Charge Time		sec
OBC Charge Tml		hrs
OBC Idle Time		sec
OBC Idle Tml		hrs
Watt-Hours of AC Power		W-Hrs
Watt Hours of Charge the HV Bus		W-Hrs
BPCM Mode		
OBCM Charger Ready		
OBCM Mode Status		
Charge Enable Status		
HCP (EVCU) Enable Charge Command		
HCP (EVCU) OBC Mode Request		
Generic Fail Sts		
Chrg Fail Sts		
OBCM Wake Up Reason		
OBC Control Mth		
OBCM Deraing Reason		
Close Chrgr Cntctr		
Chrgr Cntctr Stat		
Chrg Mode		
OBCM Fault Reason		
EPT LOC Diag Enable		
HCP Shutdown Command		
HV Battey Contactor Open		
BPCM Request for HV Contactor		
HV Contactor Status		
Ignition on Time for DTC		sec
Module A Primary - PFC Temperature		°F
Module A Primary - LLC Temperature		°F
Module A Secondary - Buck Temperature		°F
Module A Secondary - Ambient Temperature		°F
Module A Primary - AC Side Volt		Volts
Module A Primary - AC Side Current		Amps
Module A Secondary - Battery Side Voltage		Volts
Module A Secondary - Battery Side Current		Amps
Module A Secondary - Buck Output Voltage		Volts
Module B Primary - PFC Temperature		°F
Module B Primary - LLC Temperature		°F
Module B Secondary - Buck Temperature		°F
Module B Secondary - Ambient Temperature		°F
Module B Primary - AC Side Volt		Volts
Module B Primary - AC Side Current		Amps
Module B Secondary - Battery Side Voltage		Volts

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

Module B Secondary - Battery Side Current		Amps
Module B Secondary - Buck Output Voltage		Volts
OBCM - HV Over Voltage Protect		
OBCM - LV Aux Over Voltage Protect		
OBCM - LV Aux Under Voltage Protect		
OBCM - LLC Over 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		
OBCM - Pilot Duty Fault		
OBCM - Loss BPCM Communication Protect		
OBCM - Prox Range To Low		
OBCM - Prox Range To High		
OBCM - HV Voltage Under MinCal Protect		
OBCM - SPI Communication Fault		
OBCM - WakeUp Output Stuck Low		
OBCM - Pilot Short To Battery		
OBCM - WakeUp Output Stuck High		
OBCM - ORC Loss of Communication		
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		

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

Control 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 because of EVSE

HCP stuck low fault

HCP stuck High fault

Plant mode flag

Retry fault flag

Loss SBC communication (KSPI)

pilot input short to battery fault in Driver mode detecting

pilot input short to ground fault

pilot short to ground fault in driver mode detecting

Charging ready line open fault

Pilot frequency range fault

OBCM - Internal S2 Switch High Fault in Driver mode detecting

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

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

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 - 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

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

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

Module B Primary - AC Over Voltage Protect

Module B Primary - LLC Hot Warning

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

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

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

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		
GPS Date - Year		
GPS Date - Month		
GPS Date - Day		
UTC Time - Hours		Hours
UTC Time - Minutes		
UTC Time - Seconds		seconds
ECU Time - Milliseconds		ms

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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		
DTC Extended Data Record Number - All		
Occurrence flag		
Original Odometer Value		
Most Recent Odometer Value		
Frequency Counter		
Ignition Cycle Counter		
APM High Voltage DC Current Set Point		
APM Low Voltage DC Current Set Point		
HCP Commanded APM Operating Mode		
APM High Voltage DC Voltage Set Point		
Low voltage battery voltage from HCP		
APM Low Voltage DC Voltage Set Point		
APM Internal Mode		
APM Wake Up Status		
APM Wake Up Reason		
HV Contactor Status		
HV Battery Voltage from BPCM		

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APM Estimated Power		
APM HV side Current Feedback		AMP
APM LV side Current Feedback		AMP
APM Operation Mode Status Reported from APM		
APM HV Side Voltage Feedback		Volt
APM LV Side Voltage Feedback		Volt
APM Current Limit Mode		
APM Power Limit Mode		
APM HV Over V Status		
APM LV High V Status		
APM LV High V Status		
APM LV Low V Status		
CurrentFailSts_APM		
GenericFailSts_APM		
APM Derating Mode Status		
APM Derating Reason		
APM Failure Mode Status		
APM Failure Reason		
APM Temp One		°F
APM Temp Cold Plate		°F
APM Temp Two		°F
APM Util Pct of DC/DC		%
APM Derating Power		Watt
APM Batt Feed Volt		Volt
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
APM_CurrentOperTime		sec
APM_TotalOperTime		Hours
DTC Extended Data Record Number - Record #2		
OBCM Status AC Present		
AC Line Low		
AC Line High		
AC Side Current		Amps
AC Side Volt		Volt
HCP (EVCU) AC Current Max Cal		Amps
HCP (EVCU) Voltage Request		Volts
HCP (EVCU) Current Request		AMP
Battery Not Detected		
Battery Voltage Under Min		
Battery Voltage Over Max		

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

Battery Side Current		Amps
Battery Side Voltage		Volts
OBCM Charge Current Available		AMP
BPCM HV Battery Contactor Open		
HV OC		
HV OV		
OBC Bus Off		
CAN/PL Bus Off		
HCP (EVCU) HV Current Max Cal		Amps
HCP (EVCU) HV Volt Max Cal		Volt
HCP (EVCU) HV Volt Min Cal		Volt
OBCM Temperature		°F
OBCM Temperature 2		°F
OBCM Temperature 3		°F
OBCM Temperature 4		°F
NTC1 OT		
NTC2 OT		
NTC3 OT		
NTC4 OT		
External OBCM Inlet Temperature (CAN)		°F
J1772 ICA		AMP
J1772 S2 Close		
J1772 Stat		
J1772 S2 Status		
Control Pilot Amplitude		Volts
Control Pilot Duty Cycle		%
Control Pilot Frequency		Hz
EVSE Pilot Stat		
Prox Stat		
Prox Voltage		Volt
OBC Charge Time		sec
OBC Charge Tml		hrs
OBC Idle Time		sec
OBC Idle Tml		hrs
Watt-Hours of AC Power		W-Hrs
Watt Hours of Charge the HV Bus		W-Hrs
OBCM Mode		
OBCM Charger Ready		f
OBCM WU Status		
Charge Enable Status		
HCP (EVCU) Shutdown Command		
HCP (EVCU) Enable Charge Command		
HCP (EVCU) OBC Mode Request		
Generic Fail Sts		

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

Chrg Fail Sts		
OBCM Wake Up Reason		
OBC Control Mth		
OBCM Deraing Reason		
Close Chrgr Cntctr		
Chrgr Cntctr Stat		
Chrg Mode		
OBCM Fault Reason		
EPT Log Diag Enable		
HCP Shutdown Command		
HV Battey Contactor Open		
BPCM Request for HV Contactor		
HV Contactor Status		
Ignition on Time for DTC		sec
Module A Primary - PFC Temperature		°F
Module A Primary - LLC Temperature		°F
Module A Secondary - Buck Temperature		°F
Module A Secondary - Ambient Temperature		°F
Module A Primary - AC Side Volt		Volts
Module A Primary - AC Side Current		Amps
Module A Secondary - Battery Side Voltage		Volts
Module A Secondary - Battery Side Current		Amps
Module A Secondary - Buck Output Voltage		Volts
Module B Primary - PFC Temperature		°F
Module B Primary - LLC Temperature		°F
Module B Secondary - Buck Temperature		°F
Module B Secondary - Ambient Temperature		°F
Module B Primary - AC Side Volt		Volts
Module B Primary - AC Side Current		Amps
Module B Secondary - Battery Side Voltage		Volts
Module B Secondary - Battery Side Current		Amps
Module B Secondary - Buck Output Voltage		Volts
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		

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

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

OBCM - CAN Bus Off

OBCM - Pilot Duty Fault

OBCM - Loss BPCM Communication Protect

OBCM - Prox Range To Low

OBCM - Prox Range To High

OBCM - HV Voltage Under MinCal Protect

OBCM - SPI Communication Fault

OBCM - WakeUp Output Stuck Low

OBCM - Pilot Short To Battery

OBCM - WakeUp Output Stuck High

OBCM - ORC Loss of Communication

OBCM - HV Battery Not Contact

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 - HV Under Voltage Protect

OBCM - Vehicle Impact

OBCM - ARC/CRC Fault

OBCM - AC Contact Welded Fault

Control 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 because of EVSE

HCP stuck low fault

HCP stuck High fault

Plant mode flag

Retry fault flag

Loss SBC communication (SPI)

pilot input short to battery fault in Driver mode detecting