

ECU SUMMARY INFO

[illegible]

ECU SUMMARY INFO (CONT...)

ECU	COUNTRY CODE	HARDWARE VERSION	SOFTWARE VERSION	IDENT	CVNS
TCM					
PCM					
ASBS	USA				
ICS	USA				
TPM	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	
4WD with switchable Lo Range equipped		
FWD Equipped		
Short Learn Enabled		
ERS/Autostick/Tip Non-paddle on Shifter in A or M position equipped		

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

ERS/Autostick/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 E-shift (Cableless without return-to-center) equipped		

PCM CONFIGURATION

NAME	VALUE	UNITS
Active Exhaust Pressure Sensor Equipped		
Secondary Mass Airflow Sensor Equipped		
Active Exhaust Valve(s) Equipped		
Electronic Parking Brake Equipped		
Wastegate HBridge Equipped		
High Side Port Tumble Valve Equipped		
Heater Temp Control Valve Equipped		
Aux Coolant Pump Heater Equipped		
Mechanical Coolant Pump Equipped		
Engine Oil Pressure Sensor Type		None
A/C Relay Powered from Engine Switched Battery		
CNG Large Gas Tank Equipped		
PTO System Equipped		
Low Temp Radiator Coolant Pump Equipped		
Dual Alternator Gen1 Capable		
Auxillary Coolant Pump Equipped		
Hybrid MEC Shifter Equipped		
Supercharger Equipped		
HPT 6-Speed Trans Equipped		
Dual Fuel Tank Equipped		
Cooled EGR Equipped		
ZF 9-Speed Trans Equipped		
5 Button Cruise (LIN) Equipped		
Make Up Air Sensor Equipped		
INTAKE O2 SENSOR EQUIPPED		
LIN Humidity, Temp, and Pressure Sensor Equipped		
Operator Idle Speed Request Equipped		

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Mass Airflow System Equipped

Brake Pedal Sensor Equipped

Throttle Inlet Temp Sensor Equipped

Clutch Sensor Equipped

SWAP HARDWIRED BRAKE SWITCH INPUTS

CWSW 4-Button Cruise Equipped

Bi-Directional Crank Sensor Equipped

Dual Fuel Pressure Sensor Equipped

Cylinder Pressure Sensor Equipped

3.7 Liter V6 Engine

Battery Temp Sensor Equipped

Dual Stage Oil Pump Equipped

VLP Is Learnable Indicator

Wide Range O2 Sensor 2/1 Equipped

Clutch Interlock Switch Equipped

CUSW PROXI Write Programming Support Enabled

4 Button Integrated Cruise Control

Trans Skip Shift Equipped

Vehicle Speed Sensor #1 Calculated by ECU

Electric Coolant Valve Equipped

Supercharger Equipped

Electric Water Pump Equipped

PWM Fan Motor System Equipped

HPT 6-Speed Transmission Equipped

O2 Sensor Bank 2 Sensor 2 Equipped

Active Engine Mount Equipped

Engine Oil Heater Cooler Equipped

Secondary Air Equipped

Exhaust Cam 1 Equipped

Shift Indicator Lamp Equipped

Yaw Rate Sensor ESC Equipped

Electronic Throttle Control Equipped

45RFE / 545RFE / 65RFE

Tumble Generator Valve Equipped

3.8 Liter V6 Engine

Linear Purge Equipped

Coolant On-Off Valve Equipped

Turbine Volute Valve Actuator Equipped

3.6 Liter V6 Engine

Dual Fuel Pressure Sensor Equipped

4.7 Liter V8 Engine

GPEC2 Equipped

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Active Exhaust Valve Equipped

Next Gen Bus Equipped

2.7 Liter V6 Engine

Unleaded Gasoline Fuel

Powernet Equipped

Fiat 940 Compact Equipped

2 Speed Fan Mechanical Relay System Equipped

Knock Sensor 2 Equipped

Auxiliary Heater Electric Water Pump Equipped

3.3 Liter V6 Engine

Oil Pressure Sensor Enabled

6.1 Liter V8 Engine

Intake Cam 1 Equipped

Brushless PWM Fan Equipped

Exhaust Cam 2 Equipped

Power Steering Switch Equipped

O2 Sensor Bank 1 Sensor 2 Equipped

Starter Relay 2 Equipped

VMM Equipped

Electronic Vacuum Pump Equipped

Engine Idle Shutoff Equipped

Air Shutoff Valve Bank 1 Control Solenoid 2 Equipped

Mechanical Coolant Pump Heater Equipped

Rear Heater Equipped

Electric Thermostat Heater Equipped

Air Shutoff Valve Bank 1 Control Solenoid 1 Equipped

Inrush Current Reduction Relay Equipped

SRV Equipped

W14 Intake Flow Control Valve Equipped

Police Package Equipped

AC Equipped Over Bus

A/C Equipped

AC Equipped

Brake Pedal Sensor Equipped

Compressed Natural Gas Equipped

Intake Cam 2 Equipped

CUSW (11-Bit) Equipped

PTO System Equipped

O2 Sensor Bank 1 Sensor 1 Equipped

Barometric Sensor Equipped

Adaptive Cruise Control Equipped

Engine Stop Start Equipped

3.5 Liter

Throttle Inlet Temp Sensor Equipped

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Humidity, Temperature and Pressure Sensor (LIN) Equipped

MultiAir Equipped

6.4 Liter V8 Engine

40TE / 41TE / 41TEA

Transmission Software Included

High Side Port Tumble Valve Equipped

GPEC3 Equipped

O2 Sensor Bank 2 Sensor 1 Equipped

GPEC2A Equipped

Adaptive Cruise Control Hardware Equipped

TOOLCONFIG_OK_PRESS_ABS_EQUIPPED

ICC Cruise Equipped

O2 Sensor Bank 1 Sensor 2 Equipped

Dual Fuel Tank Equipped

ESIM Equipped

3 Speed Fan Mechanical Relay System Equipped

Auxiliary Coolant Pump Equipped

1.8 Liter WI4 engine

3.2 Liter V6 Engine

1 Speed Fan Mechanical Relay System Equipped

Electronic Automatic Transmission (EATX) Equipped

2.0 Liter WI4 engine

4 Speed Automatic Transmission Equipped

Port Flap Valve Equipped

Engine Software In Package

Transmission Oil Heater Equipped

ZF 9-Speed Transmission Equipped

Fiat VIN Learning Strategy Equipped

Active Exhaust Pressure Sensor Equipped

Constant Heater Temperature Control Valve Equipped

Variable Speed Fuel Pump Equipped

2 Speed Fan 3 Driver 3 Relay System Equipped

CUSW (29-Bit) Equipped

Linear EGR Equipped

Variable Displacement AC Equipped

3.0 Liter V6 Engine

Hybrid Electric Vehicle Equipped

2 Speed Fan PWM Relay System Equipped

Secondary Fuel Pump Equipped

Electronic Coolant Pump Equipped

Vehicle Speed Sensor #1 Calculated from CAN

1.0 Liter I3 Engine

WI4 Variable Valve Timing Equipped

Linear PWM Fan Relay System Equipped

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ETC Cruise equipped		
Dual Speed Fuel Pump Equipped		
Wastegate H-Bridge Equipped		
CMCV H-Bridge Equipped		
Operator Idle Speed Request Equipped		
5.7 Liter V8 Engine		
Buffered Crank Output for ANC (Active Noise Cancellation) Equipped		
Unleaded diesel fuel		
Buffered Crank Output for PHEV Engine Pulse Calculation Equipped		
Sensorless PHEV Enabled		
GPEC4 Equipped		
Fixed displacement AC Equipped		
Low Temperature Radiator Coolant Pump Equipped		
Auxiliary Coolant Pump Heater Equipped		
Primary Lin Alternator Equipped		
Fan Wake Up Relay System Equipped		
6.2 Liter V8 Engine		
Cooled EGR Equipped		
Knock Sensor 1 Equipped		
Turbocharger Equipped		
Viscosity Sensor Equipped		
Air Shutoff Valve Bank 2 Control Solenoid 2 Equipped		
Injection Equipped		
42RLE		
Continuous Variable Transmission Equipped		
2.4 Liter W14 engine		
Active Grille Shutter Equipped		
Wide Range O2 Sensor 1/1 Equipped		
Cummins Equipped		
TIP Equipped		
4.0 Liter I6 Engine		
ERS Equipped Indicator		
VFS Actuators Available Indicator		
Trans Reverse Lockout Equipped		
62TE		
Aisin 6-Speed RWD Transmission Equipped		
Duty Cycle Purge Valve Equipped		
VLP Equipped Indicator		
Coolant On-Off Pump Equipped		
EMAT (Getrag DCT transmission) Equipped		
DUAL_ALTERNATOR_GEN1_LEARNEDCOPY		
66RFE / 68RFE		
MDS Equipped		
Remote Start Present		

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

Variable Valve Lift Equipped
 2.0 Liter I4 Direct Injection Engine
 1.0 Liter I3 Engine
 Primary Lin Alternator Equipped
 Coolant On-Off Pump Equipped

ICS CONFIGURATION

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

TPM CONFIGURATION

NAME	VALUE	UNITS
RSSI Margin 4 Wheel Constant B		No Unit
RSSI Margin 4 Wheel Constant C		No Unit
RSSI Margin 4 Wheel Constant D		No Unit
RSSI Margin 4 Wheel Constant A		No Unit
RSSI Margin Constant Override Setting		
High Gain Mode Setting		
WAL Gain Mode Setting		
Gain Mode Override Status		
Premium TPM Present		
Base TPM Present		
Run Flat Tire Present		
SRT Vehicle Present		
TPM Legislation		
Current Gain Mode		
BUX Deactivation Flag		
TPM System Type		
4/5 Tire System		

RFH CONFIGURATION

NAME	VALUE	
Back Up ECU Configuration 6		
Back Up ECU Configuration 5		
Back Up ECU Configuration 8		
Back Up Vehicle Config 1		
Back Up ECU Configuration 4		
Back Up ECU Configuration 9		
Back Up Customer Settings Menu 2 (CSM2)		
Back Up Vehicle Config 7		
Back Up ECU Configuration 3		

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Back Up Customer Settings Menu 1 (CSM1)

Back Up ECU Configuration 13

Back Up Programmed ECUs: P/T Chassis Network

Back Up Vehicle Config 3

Back Up ECU Configuration 1

Back Up ECU Configuration 10

Back Up ECU Configuration 15

Back Up ECU Configuration 17

Back Up ECU Configuration 7

Back Up Programmed ECUs: Cabin Network

Back Up Vehicle Config 6

Back Up ECU Configuration 16

Back Up Vehicle Config 5

Back Up ECU Configuration 2

Back Up ECU Configuration 14

Back Up ECU Configuration 11

Back Up Vehicle Config 2

Back Up ECU Configuration 12

Hardware Configuration: Remote Start Antenna

Hardware Configuration: Front Right Door Handle H/W

Hardware Configuration: Rear Right Door Handle H/W

Hardware Configuration: Rear Left Door Handle H/W

Hardware Configuration: Front Left Door Handle H/W

Hardware Configuration: Trunk Door Handle H/W

\$0214 Programmed by

Module Configuration Status

Auto Park Present

Remote Start Present

Secret Codes Programmed

e-shifter present

RKE

Ignition system type connected

Keyless Go

Passive Entry

RFHub Locked

Fob Location #2 Successfully Programmed

Fob Location #8 Successfully Programmed

VIN Successfully Programmed

Fob Location #7 Successfully Programmed

Valid Key In Ignition

Secret Key Sent to Body Controller - Most recent attempt

Fob Location #1 Successfully Programmed

Fob Location #5 Successfully Programmed

Fob Location #6 Successfully Programmed

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PIN Successfully Programmed

Secret Key Sent to Body Controller - Original attempt

Fob Location #4 Successfully Programmed

Fob Location #3 Successfully Programmed

DTCM CONFIGURATION

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

ORC CONFIGURATION

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

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Left Curtain Squib 1		
Driver Seatbelt Anchor Pretensioner		
Passenger Seatbelt Retractor Pretensioner		
Second Row Right seat belt Switch		
Right C-Pillar Impact Acceleration Sensor		
Driver Frontal Squib 3		
Passenger Airbag Disable Switch		
Occupant Classification (OCM)		
Left Side Floor Pressure Sensor		
Left D-Pillar Impact Acceleration Sensor		
Second Row Left seat belt Switch		
Driver Seatbelt Buckle Pretensioner		
Passenger Frontal Squib 4		
Right D-Pillar Impact Acceleration Sensor		
Left Up-Front Acceleration Sensor		
Driver Knee Bolster Squib		
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		

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Non -ANC

No Rear Doors

Premuim - 1

Door Module - Right Front

Door Module - Left Front

IPC CONFIGURATION

NAME	VALUE	
		Volts
Main Fuel Tank Gauge - 1/2 Datum Calibration		Volts
Main Fuel Tank Gauge - 1/4 Datum Calibration		Volts
Main Fuel Tank Gauge - 1/8th Datum Calibration		Volts
Main Fuel Tank Gauge - Empty Stop Calibration		Volts
Sub Fuel Tank Gauge - Empty Stop Calibration		Volts
Sub Fuel Tank Gauge - 1/2 Datum Calibration		Volts
Sub Fuel Tank Gauge - 3/4 Datum Calibration		Volts
Sub Fuel Tank Gauge - Full Stop Calibration		Volts
Sub Fuel Tank Gauge - 1/4 Datum Calibration		Volts

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		
Vehicle Configuration Programmed Status		
Last Programmed Status		
Vehicle Configuration 1 - Write Counter		
Programmed ECUs: Hybrid LAN Network		
Programmed Network Configuration - Audio / Telematics Network		
ECU Configuration 15 (Suspension)		
ECU Configuration 5 (Doors)		
Programmed ECUs: P/T Chassis Network		
ECU Configuration 9A		
ECU Configuration 6 (Safety)		
ECU Configuration 11		
Vehicle Configuration Auto Write Counter		
ECU Configuration 5 (Memory)		
Vehicle Configuration 4 - Write Counter		

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Last Configuration Odometer	0	miles
Vehicle Configuration 5 - Write Counter		
ECU Configuration 5 (Wireless)		
ECU Configuration 14		
Vehicle Config CSM1		
ECU Configuration 6 (Suspension)		
ECU Configuration 9 (ITM)		
Programmed ECUs: Cabin Network		
ECU Configuration 6 (Powertrain)		
ECU Configuration 4		
Vehicle Configuration 3 - Write Counter		
ECU Configuration 13		
Vehicle Config CSM2		
Vehicle Configuration 2 - Write Counter		
ECU Configuration 10		
ECU Configuration 15 (CBC Features)		
ECU Configuration 8 (LIN and Miscellaneous)		
ECU Configuration 2 (CBC Features)		
ECU Configuration 1 (CBC Configurable Inputs and Outputs)		
Vehicle Configuration 6 - Write Counter		
ECU Configuration 7 (CBC Exterior Lighting Calibrations)		
ECU Configuration 3		
ECU Configuration 6 (Brake)		
Vehicle Configuration 7 - Write Counter		
ECU Configuration 12		
Model Year		
Select Speed Control Feature Present		
Drive Configuration		
Left/Right Hand Drive		
Maximum Vehicle Speed		MPH
Hill Descent Feature Present		
Vehicle Line		
Shifter Type		
PTS Configuration		
Auto Highbeam		
Performance Pages Present		
Special Packages		
Emode Present		
Country Code		
Body Style		
Remote Start Present		
Air Conditioning Present		
Special Packages		
SKIM System Present		

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Flipper Glass Present		
Light Load Inflation Pressure Rear Tire	0.0	PSI
Power Inverter Type		
Cruise Feature is Present		
Full Size Spare		
Max Load Inflation Pressure Rear Tire		PSI
Max Load Inflation Pressure Front Tire		PSI
Thatcham Present		
Off Road Capable		
Rain Sensor Present		
Display Outside Temperature Present		
FOBIK Safe Enable		
Base TPM system present		
Two Fuel Sending Units Present		
Disable Display of Radio Clock		
Vehicle Brand		
Premium TPM system present		
Forward Collision Warning present		
Auto Park Present		
Chassis Type		
Adjustable Pedal Feature Present (non-Memory)		
RKE System Present		
Wheel Base		
Power Lift Gate Present		
HVAC Configuration		
Vehicle is an SRT		
Window Express Feature Configuration		
Keyless Go Present		
Power Right Sliding Door Present		
ELV Present		
Secondary Lock Present		
Sport Mode Present		
Collision Mitigation System present		
Auto Headlamp Feature Present		
Interior EC Mirror Present		
Police Lighting Feature		
ESCL system present		
T-Case Type		
Liftgate/Trunk Type		
Paddle Shift Feature Present		
Display Compass Heading Present		
Power Left Sliding Door Present		
High Intensity Discharge Head Lamps		
Sunshade Present		

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Fuel Capacity		gallons
Passive Entry Present		
Door Alert Feature Present		
Axle Ratio		
Transfer Case Low Range Reduction Ratio		
Dynamic Tire Circumference (All or Rear)		inch
Transfer Case High Ratio		No Unit
Steering Ratio at Positive Angle 3		No Unit
Steering Ratio at Positive Angle 5		No Unit
Non-Regulated Tire Pressure Information System (TPIS) Present		
Steering Ratio at Positive Angle 4	0.0	No Unit
Steering Ratio at Positive Angle 2	0.0	No Unit
Steering Ratio at Positive Angle 1	0.0	No Unit
Dual Rear Wheel (DRW) Vehicle Present		
Steering Ratio at zero	0.0	No Unit
Steering Ratio at Negative Angle 3	0.0	No Unit
Steering Ratio at Negative Angle 4	0.0	No Unit
Steering Ratio at Negative Angle 2	0.0	No Unit
Analog Door Sensor Configuration		
Steering Ratio at Negative Angle 1	0.0	No Unit
Air Quality System Present		
Steering Ratio at Negative Angle 5	0.0	No Unit
Reserved - Pin D20		
Foot Well Lamps Output Present - Pin G24		
Reserved - F21		
Front Fog Lamps Output Present - Pin A1 & D13		
Ambient Temperature Sensor Present - Pin D22		
Reserved - Pin E35		
Front Driver Analog Door Ajar Input Present - Pin F9		
Hood Ajar Switch Input Present - Pin A11		
Flipper Glass #2 Output Present		
Reserved - Pin G12		
Reserved - Pin E15		
Right Dedicated DRL Lamp Output Present - Pin A22		
Left Rear Door Ajar Input Present - Pin F23		
Hard Top Sense Present - Pin E14		
Rear Park Lamps Output Present - Pin E4 & F32		
Inverter Enable Relay Output Present - Pin F35		
Rear Wiper Motor Park Present - Pin E29		
VTA Warning LED Output Present - Pin G22		
Reserved - E20		
Rear Turn Lamps Output Present - Pin E3 & F42		
Diesel Cabin Heater #1 Output Present - Pin D11		
Low Beam Output Present - Pin A3, D2		

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Gated Park ZFII Output Present - Pin D-24

Trailer Backup Lamps Output Present - Pin E23

Side Markers Output Present - Pin A10 & D5

Rear Fog Lamps Output Present - Pin E39 & F5

Starter Relay Lowside Coil Drive - Pin D7

Horn Switch Input Present - Pin F29

Diesel Cabin Heater #3 Output Present - Pin D10

Reserved - Pin E47

Reserved - Pin E21

Left Dedicated DRL Lamps Output Present - Pin D15

Ambient Light Dimmer Wheel Input Present Pin G9

Run-ACC Y Relay #2 Output Present - Pin E9

Passenger Door Ajar Signal Present - Pin G18

Reserved - Pin F4

UGDO Feed Output Present - Pin G19

Diesel Cabin Heater #2 Output Present - Pin D9

Park Brake Input Present - Pin E11

Front Wiper Wipes After Wash

Rear Wiper Park Enable

Side Repeaters Enable

Horn Chirp Allowed

DRL Lamp Location

Hazard Lamp Configuration

Tip Start Enabled

LED High Beam Lamps Present

Trailer Tow Present

LED Front Turn Lamps Present

Military Vehicle Present

LED License Lamps Present

Front Wiper Park Enable

Quad Headlamps Enable

One Touch Lane Change

LED Dedicated DRL Present

LED Front Fog Lamps Present

DRL Dropout Enable

Headlamp Wash Shot

Single Element Tail Lamp

Intermittent Wiper States

Park Lamp Loadshed Enable

Headlamp Wash Interval

LED Stop Lamps Present

LED Rear Fog Lamps Present

Combined Rear Lighting Enable

Front Fog Lamp Dropout Enable

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

[REDACTED]

Dual Start Relay System Present	[REDACTED]	
LED Low Beam Lamps Present	[REDACTED]	
Tunnel Detection	[REDACTED]	
Headlamp Washer Low Fluid Shut-Off Enable	[REDACTED]	
Bi Xenon Headlamps Enable	[REDACTED]	
Door Lock Switch Signal FT RT Usage (F23)	[REDACTED]	
Wiper Service Position Enabled	[REDACTED]	
Exterior Light Loadshed Enable	[REDACTED]	
LED CHMSL Lamp Present	[REDACTED]	
Reversible Washer Pump Enable	[REDACTED]	
DRL Configuration	[REDACTED]	
LED Tail Lamps Present	[REDACTED]	
LED Front Park/Marker Lamps Present	[REDACTED]	
Door Lock Switch Signal FT LT Usage (F9)	[REDACTED]	
LED Rear Turn Lamps Present	[REDACTED]	
Radio Display On/Off Softkey Present	[REDACTED]	
Hill Start Assist Customer Setting Option Present	[REDACTED]	
[REDACTED]	[REDACTED]	
CTP Max AC Present	[REDACTED]	
Vehicle Theft Alarm Present	[REDACTED]	
Front Park Assist Present	[REDACTED]	
VIN Check Digit Diable	[REDACTED]	
[REDACTED]	[REDACTED]	
SDAR Travel Link Present	[REDACTED]	
Hill Descent Control Present	[REDACTED]	
Splashscreen Type	[REDACTED]	
Radio Apps Present	[REDACTED]	
Destination	[REDACTED]	
Antenna Type	[REDACTED]	
Microphone Configuration	[REDACTED]	
CTP Auto Lock Disable	[REDACTED]	
CTP Easy Entry Enable	[REDACTED]	
Power Door Locks Present	[REDACTED]	
Front Heated Seats Present	[REDACTED]	
Disable CD Eject	[REDACTED]	
DTV Side Camera Present	[REDACTED]	
CTP Passive Entry Present	[REDACTED]	
Cabin Equilization Curve Number	[REDACTED]	
Front Ventilated Seats Present	[REDACTED]	
Heated Steering Wheel Present	[REDACTED]	
DAB Present	[REDACTED]	
Hybrid Electric Powertrain Present	[REDACTED]	
Surround Sound Feature Present	[REDACTED]	

Power Inverter Present		
Audio Steering Wheel Switch Configuration		
Microphone Tuning Parameter		
Microphone Type		
Rear Camera Present		
Tow Haul Present		
Max Gear		
AMB Driver		
Gear Shift Indicator		
PTO Present		
ERS Available		
Heated Seat Present	N	
Virtual Speedometer Units		
IC Config Feature		
Speedometer Range Max Scale		
Split Shaft Present		
Temperature Celsius for UK		
Manual Headlamp Leveling		
Rear Wheel Dually		
Type of Gallons		
AP3 Left Rear		
Airport Scenario Trunk Set		
AP4 Right Rear		
AP5 Trunk Lock		
AP1 Left Front		
Tip Start Present		
AP2 Right Front		
Driver Memory Mirrors Present		
Rear Door Pre Short Drop		
Folding mirrors present		
Puddle Lamp Present		
Global Down		
Window Motor Type		
Electro-chromatic driver mirror present		
Sun Shade		
Mirror turn signals present		
Blindspot Mirror Present		
Window Hall Sensors Present		
Global Up		
Frameless Window Present		
Passenger Memory Mirror Present		
Heated Mirrors Present		
Electro-chromatic passenger mirror present		

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Auto Power Folding Mirrors Present		
Tow Mirror Present		
Passenger Window Lockout		
Heated Seat Material Type		
Tilt/Telescope Steering Present		
Rear Heated Seats Present		
Memory Adjustable Pedals Present		
Front Vented Seats Present		
Front Heated Seat Present		
Memory Seat Present		
Heated Steering Wheel Present		
Heated Wheel Material Type		
Rear Vented Seats Present		
Brake System ECU Configuration B		
Wheel 18 inch overall ESC Maserati		
Brake System ECU Configuration A		
Dual Alternator Present		
ECO Mode Configuration		
Auto High Beam Module Location		
Rain Sensor Module #2 Present		
Rear Fog Voltage		Volts
Front Fog Voltage		Volts
Swing Gate Unlock Present - Pin F33		
Secondary Door Ajar Present - Pin E28		
Swing Gate Lock Present - Pin F30		
CHMSL Lamp Output Disable		
Manual Door Locks Present		
Average Last Longitudinal Acceleration Values		
Brake Smoothing Duration		
Acceleration Threshold		
Excess Longitudinal Acceleration Factor		
Brake Smoothing Threshold		
Steering Smoothing Factor		
Brake Smoothing Factor		
Steering Smoothing Duration		
Excess Lateral Acceleration Factor		
Nose Dive Threshold		
Maximum Lateral Change		
Nose Dive Factor		
Steering Smoothing Threshold		
Acceleration Factor		
Average Last Lateral Acceleration Values	A	
Maximum Longitudinal Change		
Interior Lighting Night Threshold		Volt

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

ASBM Minimum Voltage Time	[REDACTED]	
Horn Chirp Duration	[REDACTED]	
ASBM Battery Minimum Voltage	[REDACTED]	
PE Auto-Relock Feature Enable	[REDACTED]	
Parking Light Enable	[REDACTED]	
RKE Auto-Relock Feature Enable	[REDACTED]	
HOV Hood Ajar Monitoring	[REDACTED]	
Pitch and Roll Present	[REDACTED]	
Interior Lighting Day Threshold	[REDACTED]	Volt
Glovebox Control	[REDACTED]	
Glare Free Present	[REDACTED]	
TSBM Module Present	[REDACTED]	
Transmission Equipped	[REDACTED]	
ADR feature Present	[REDACTED]	
AGS Feature Present	[REDACTED]	
Park Brake Type	[REDACTED]	
PTC Present	[REDACTED]	
Axle Locker Configuration	[REDACTED]	
Hybrid Type	[REDACTED]	
Brake Type	[REDACTED]	
Temperature Display Resolution	[REDACTED]	
Suspension Type	[REDACTED]	
TPMS Configuration	[REDACTED]	
Headlamp drop customer settings menu	[REDACTED]	
Park assist rear volume customer settings menu	[REDACTED]	
Tire jack mode customer settings menu	[REDACTED]	
Compass variance customer settings menu	[REDACTED]	
Ambient dimmer customer settings menu	[REDACTED]	
Power liftgate chime customer settings menu	[REDACTED]	
Headlamps on with wiper customer settings menu	[REDACTED]	
Power take off customer settings menu	[REDACTED]	
Auto high beam customer settings menu	[REDACTED]	
Passive entry customer settings menu	[REDACTED]	
Easy exit seat customer settings menu	[REDACTED]	
Power accessory delay customer settings menu	[REDACTED]	
Auto park customer settings menu	[REDACTED]	
Consumption unit customer settings menu	[REDACTED]	
Auto on driver comfort customer settings menu	[REDACTED]	
Auto door lock customer settings menu	[REDACTED]	
Lane departure torque customer settings menu	[REDACTED]	
Power unit customer settings menu	[REDACTED]	
Auto entry exit mode customer settings menu	[REDACTED]	
Blind spot alert customer settings menu	[REDACTED]	
Automatic aero mode customer settings menu	[REDACTED]	

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

Auxiliary switches customer settings menu		
Air suspension warning customer settings menu		
Headlamp off delay customer settings menu		
Park assist front volume customer settings menu		
Rain sensitive wipers customer settings menu		
Lane departure warning customer settings menu		
Rear view camera gridlines customer settings menu		
Unit set customer settings menu		
Rear camera customer settings menu		
EPB service mode customer settings menu		
Forward collision warning customer settings menu		
Illuminated approach customer settings menu		
Electric power steering customer settings menu		
Park assist brake customer settings menu		
Clock display customer settings menu		
Park assist customer settings menu		
Distance unit customer settings menu		
Compass calibration customer settings menu		
Pressure unit customer settings menu		
Performance shift enable customer settings menu		
Passenger Airbag On/Off Customer Settings Menu		
RKE unlock customer settings menu		
Forward Collision Warning and Brake Customer Settings Menu		
Torque unit customer settings menu		
Tilt mirror in reverse customer settings menu		
Doors and Engine Off Power Delay Customer Settings Menu		
Teen Key Fuel Pop-up Customer Settings Menu		
Rear view camera delay customer settings menu		
Teen Key Automatic High Beam Customer Settings Menu		
Speed unit customer settings menu		
Rear Defrost and Heated Mirrors Present		
Radio Speaker Open Circuit Disable (LR)		
Clari-Fi Present		
Surround View Camera On/Off Softkey Present		
Show Phone Information in Cluster		
Auto Dimming Mirror Hard Button Present		
Tri-State Comfort Climate Softkey Function Present		
Radio Speaker Open Circuit Disable (LF)		
Radio Speaker Open Circuit Disable (RR)		
Radio Speaker Open Circuit Disable (RF)		
ANC Calibration Parameter Data Set		ms
DTV Present		
Trailer Hitch Camera Present		
Automatic Crash Notification Feature Present		

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

Drive Mode Version		
Park Assist Tuning Set		
Backup Reverse Lamp Left Present - Pin F41		
Right High Beam Present - Pin A2		
Left Rear Turn Lamp Diagnostics Present - Pin F27		
Left Front Lamp Diagnostics Present - Pin F25		
Backup Reverse Lamp Right Present - Pin E1		
Left High Beam Present - Pin D1		
Right Rear Turn Lamp Diagnostics Present - Pin F31		
Stop/Turn Lamp or Stop Lamp Present Pin E2 & F40		
Right Front Lamp Diagnostics Present - Pin F28		
Signature Lamps or Mirror Repeater Present - Pin A5 & Pin A7		
Brake Fluid Level Switch Signal Present - Pin D21		
Increasing speed constant		
Tachometer Type		
Speedometer Tolerance		
Steering C Factor		
TBM		
EDM		
LBSM		
RBSM		
HSM		
PTCM		
BCM (Interior Bus)		
Radio		
HVAC_R		
AMP		
ITM		
HVAC		
TCM		
SGW		
ITBM		
AHLM/AFLS		
EPS		
BCM (PT)		
PTS		
SCCM		
DTCM		
AFLS		
PCM		
ELSD		
OCM		
ASCM		
TPM		

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

ANC		
ABS		
RFH		
DPDM		
IPC		
ASBS		
ESM		
Passive Red Pro Present		
Reserved		
2nd Row Seat Airbags Present		
BUX vehicle		
Curtain Airbags Present		
Driver Kneebag Present		
Tow Hooks Present		
ODS Present		
Passenger Kneebag Present		
Reserved		
Integrated EPP Present		
Illuminated Approach Taillamp Target Percentage		
Compass Mounting Angle	0	Degree
Illuminated Approach Interior Lighting Target Percentage		
Humidity Sensor Present		
DC to DC Converter Present		
Auto Relock Time		seconds
VTA System Present		
ASBM Present		
CRVMM Present		
Manual Trans Present		
ASBMM Present		
Compass Mounting Orientation		
DC to DC Converter #2 Present		
Panic Enable		
Illuminated Approach Interior Lighting Ramp Up Time		
EVIC Switch Module Present		
Illuminated Approach Headlamp Target Percentage		
IBS Present		
Washer Fluid Level Voltage Threshold		
Left High Beam Voltage Regulation		
Left Front Corner Voltage		
Left Low Beam Voltage Regulation		
Dual Filament Headlamp		
Auto Headlamp On Threshold		Volt
Right Low Beam Voltage Regulation		

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

Signature Light Present		
Right Rear Corner Voltage		
Front Turn Lamp Diagnostics		
Right Front Corner Voltage		
Right High Beam Voltage Regulation		
Auto Headlamp Off Threshold		Volt
Left Rear Corner Voltage		
Ultrasonics		
Tilt		
Siren		
Engine Displacement		
Heated Mirrors Present		
Rear Defrost Presence		

RADIO CONFIGURATION

NAME	VALUE	UNITS
GPS on the Bus messaging Authorization		
Compass on the bus messaging Authorization		
Satellite Subscription Reason Code	00	
Satellite Subscription Suspend Day		
Satellite Subscription Suspend Month		
Satellite Subscription Status		
Satellite Subscription ID		
Satellite Subscription Suspend Year		
SD Card Readers Detected	0	No Unit
Enumerated USB Devices	0	No Unit
USB Hubs Detected		No Unit
Aux Jack		
DTV Short Term Configuration		
911 Button		
Cabin EQ Curve Number Currently Used by Radio		
Anti-Theft Enable Status		
Clock Defeat		
Automated Loudness		
Front Seat Video Playback		
12/24 Time Selection		
Internal CD Player		
SDARS		
Bluetooth		
FM Diversity		
Navigation Active		
Cellular		
Application Framework		
Wi-Fi		



ABSO CONFIGURATION

NAME	VALUE	UNITS
Trans Type	[REDACTED]	
[REDACTED]	[REDACTED]	
Displacement	[REDACTED]	No Unit
Hybrid Type	[REDACTED]	
Vehicle Line Identification	[REDACTED]	
Chassis Type	[REDACTED]	
Axle Ratio	[REDACTED]	No Unit
Tire Circumference	[REDACTED]	inch

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

Vehicle

[illegible]

ABSO						

ECU SUMMARY INFO (CONT...)

ECU	COUNTRY CODE	HARDWARE VERSION	SOFTWARE VERSION	IDENT	CVNS
TCM	USA / USA				
PCM	USA				
ASBS	USA				
ICS	USA				
TPM	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				

DTC SUMMARY

ECU	DTC CODE	DTC DESCRIPTION	STATUS
BCM			Stored
RADIO			Stored
BPCM			Stored
BPCM			Stored
HCP			Stored

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

ENVIRONMENTAL DATA SUMMARY

BCM | [REDACTED]

NAME	VALUE	UNITS
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 - All	[REDACTED]	
Occurrence flag	[REDACTED]	
Original Odometer Value	[REDACTED]	miles
Most Recent Odometer Value	[REDACTED]	miles
Frequency Counter	[REDACTED]	
Ignition Cycle Counter	[REDACTED]	

RADIO | [REDACTED]

NAME	VALUE	UNITS
DTCTable	[REDACTED]	
TestFailed	[REDACTED]	
TestFailedThisMonitoringCycle	[REDACTED]	
Pending DTC	[REDACTED]	
Confirmed DTC	[REDACTED]	
Test Not Completed This Monitoring Cycle	[REDACTED]	
Warning Indicator Requested	[REDACTED]	
DTCExtendedDataRecordNumber	[REDACTED]	
Occurance Flag	[REDACTED]	
Reserved	[REDACTED]	
Original Odometer Value	[REDACTED]	miles
Most Recent Odometer Value	[REDACTED]	miles
Frequency Counter	[REDACTED]	
Ignition Counter	0	
RDI \$6080	[REDACTED]	
Event Counter	[REDACTED]	

BPCM | [REDACTED]

NAME	VALUE	UNITS
DTC	[REDACTED]	
Test Failed	[REDACTED]	
Test Failed This Operation Cycle	[REDACTED]	
Pending DTC	[REDACTED]	

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

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
Battery Total Time Awake		seconds
Key in Ignition		
EPT -WakeUp		
HCP Contactor Command		
Qualified Contactor Command - QCC		
Verified Contactor Command - VCC		
Contactor Status		
Plug in Status		
Balance Mode		
Vehicle Speed	0.0	MPH
System (12) Volts at time of fault		Volts
Battery Lifetime AmpHrs of Charge		
		AHr
HVIL Status -Vehicle		
Cycles left to self heal		No Unit
HV Battery Charge Power 2sec		watts
HV Battery Charge Power 10sec		watts
HV Battery Discharge Power 2sec		watts
HV Battery Discharge Power 10sec		watts
Key - DriveRdy (CAN)		
Battery Lifetime Number Of Closes		
Battery Full AmpHr Capacity		AmpHrs
Battery Cell Voltage Maximum		mV
Battery Cell Voltage Minimum		mV
Battery Cell Voltage Average		mV
Battery Temperature Maximum Module		°F
Battery Temperature Minimum Module		°F
Battery Temperature Average Module		°F
Battery Temperature Number of Failing Sensors		
DTC Extended Data Record Number - All		
DTC Extended Data Record Number - 2		

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

HV Battery Charge Power 30sec		watts
HV Battery Discharge Power 30sec		watts
Key Position		
SOC		%
HV Bat SOH-R		%
HV Bat SOH-C		%
Cell Impedance Max Discharge		mOhms
Cell Impedance Min Discharge		mOhms
HVIL Status - Battery pack		
HVIL PWM Duty Cycle source - Vehicle		%
HVIL PWM Duty Cycle Sink - Battery		%
HVIL PWM Duty Cycle Source - Battery	0.0	%
HVIL PWM Duty Cycle Sink - Battery		%
HVIL PWM Frequency source - Vehicle		Hz
HVIL PWM Frequency Sink - Vehicle	0.0	Hz
HVIL PWM Frequency Source - Battery		Hz
HVIL PWM Frequency Sink - Battery		Hz
HVIL Returned current - Vehicle		mA
HVIL Returned current - Battery		mA
Battery Cell Highest Cell number		
Battery Cell Lowest Cell number		
HV Battery Current Sensor Primary		Amps
HV Battery Current Sensor Secondary		Amps
HV Battery Current HVBatCrnt		Amps
HV Battery Voltage (cell sum)		Volts
HV Battery Voltage (Module Sum)		Volts
HV Sensor-Pack Voltage		Volts
HV Sensor-DC Link Voltage		Volts
HV Sensor-main fuse Voltage		Volts
HV Sensor-IDCM fuse Voltage		Volts
HV Sensor- Heater fuse Voltage		Volts
Battery Temperature Highest Sensor number		
Battery Temperature Lowest Sensor number		
HV Cooling Battery coolant inlet temp		°F
HV Cooling Battery coolant outlet temp		°F
BPCM temperature max		°F
BPCM temperature min		°F
Vehicle Isolation Impedance (Positive side)		Mega Ohms
Vehicle Isolation Impedance (Negative side)		Mega Ohms
Vehicle Isolation Impedance (Equivalent)		Mega Ohms
Battery Isolation Impedance (Positive side)		Mega Ohms
Battery Isolation Impedance (Negative side)	0.000	Mega Ohms
Battery Isolation Impedance (Equivalent)		Mega Ohms
Cn Pin Open		

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

Cn Short to SWn		
Auxiliary channel 1 Pin Open		
Auxiliary channel 2 Pin Open		
Measured result difference between Alternative path and Primary path is out of range		
Balancing Swtich Short		
Balancing Swtich Open		
Alternate reference voltage is out of range		
Vaux voltage is out of range		
Level-shift amplifier offset voltage is out of range		
Stuck ADC output bits verification with zero-scale		
Stuck ADC output bits verification with full-scale		
Multiplexer Open/Short verification with single HVMUX test current source		
Multiplexer Open/Short verification with both HVMUX test current sources		
Measured result difference between Module voltage and Cell voltage summation		
Vhv - Vdcin > Vhvvv		
Vhv < Vhvvv		
Die Temperature is over the upper limit		
Scanning for cell information is not complete		
ADC Data Path error		
Packet Error Check		
Power-on reset event occurred		
32kHz oscillator frequency is not within +/-5% of its expected value		
Same as Alrtosc1 (redundant alert)		
Die Temperature is over the upper limit		
Module number addressing is fail		
Alive counter is not matched to the expected value		
PEC Bits in Data-check byte error		
Vhv - V12 is too low		
Transmit data is not equal to read back data		
Engine Speed	0	rpm
Accelerator position	0.0	%
GPS_Date - Year		Year
GPS_Date - Month		
GPS_Date - Day		Days
UTC_Time - Hours		Hours
UTC_Time - Minutes	0	
UTC_Time - Seconds	0	seconds

BPCM |

NAME	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)

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
Battery Total Time Awake		seconds
Key in Ignition		
EPT -WakeUp		
HCP Contactor Command		
Qualified Contactor Command - QCC		
Verified Contactor Command - VCC		
Contactor Status		
Plug in Status		
Balance Mode		
Vehicle Speed	0.0	MPH
System (12) Volts at time of fault		Volts
Battery Lifetime AmpHrs of Charge		AHr
Battery Lifetime AmpHrs of DisCharge		AHr
HVIL Status -Vehicle		
Cycles left to self heal		No Unit
HV Battery Charge Power 2sec		watts
HV Battery Charge Power 10sec		watts
HV Battery Discharge Power 2sec		watts
HV Battery Discharge Power 10sec		watts
Key - DriveRdy (CAN)		
Battery Lifetime Number Of Closes		
Battery Full AmpHr Capacity		AmpHrs
Battery Cell Voltage Maximum		mV
Battery Cell Voltage Minimum		mV
Battery Cell Voltage Average		mV
Battery Temperature Maximum Module		°F
Battery Temperature Minimum Module		°F
Battery Temperature Average Module		°F
Battery Temperature Number of Failing Sensors		
DTC Extended Data Record Number - All		
DTC Extended Data Record Number - 2		

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

HV Battery Charge Power 30sec		watts
HV Battery Discharge Power 30sec		watts
Key Position		
SOC		%
HV Bat SOH-R		%
HV Bat SOH-C		%
Cell Impedance Max Discharge		mOhms
Cell Impedance Min Discharge		mOhms
HVIL Status - Battery pack		
HVIL PWM Duty Cycle source - Vehicle		%
HVIL PWM Duty Cycle Sink - Battery		%
HVIL PWM Duty Cycle Source - Battery	0.0	%
HVIL PWM Duty Cycle Sink - Battery		%
HVIL PWM Frequency source - Vehicle		Hz
HVIL PWM Frequency Sink - Vehicle	0.0	Hz
HVIL PWM Frequency Source - Battery		Hz
HVIL PWM Frequency Sink - Battery		Hz
HVIL Returned current - Vehicle		mA
HVIL Returned current - Battery		mA
Battery Cell Highest Cell number		
Battery Cell Lowest Cell number		
HV Battery Current Sensor Primary		Amps
HV Battery Current Sensor Secondary		Amps
HV Battery Current HVBatCrnt		Amps
HV Battery Voltage (cell sum)		Volts
HV Battery Voltage (Module Sum)		Volts
HV Sensor-Pack Voltage		Volts
HV Sensor-DC Link Voltage		Volts
HV Sensor-main fuse Voltage		Volts
HV Sensor-IDCM fuse Voltage		Volts
HV Sensor- Heater fuse Voltage		Volts
Battery Temperature Highest Sensor number		
Battery Temperature Lowest Sensor number		
HV Cooling Battery coolant inlet temp		°F
HV Cooling Battery coolant outlet temp		°F
BPCM temperature max		°F
BPCM temperature min		°F
Vehicle Isolation Impedance (Positive side)		Mega Ohms
Vehicle Isolation Impedance (Negative side)		Mega Ohms
Vehicle Isolation Impedance (Equivalent)		Mega Ohms
Battery Isolation Impedance (Positive side)		Mega Ohms
Battery Isolation Impedance (Negative side)		Mega Ohms
Battery Isolation Impedance (Equivalent)		Mega Ohms
Cn Pin Open		

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

Cn Short to SWn		
Auxiliary channel 1 Pin Open		
Auxiliary channel 2 Pin Open		
Measured result difference between Alternative path and Primary path is out of range		
Balancing Swtich Short		
Balancing Swtich Open		
Alternate reference voltage is out of range		
Vaux voltage is out of range		
Level-shift amplifier offset voltage is out of range		
Stuck ADC output bits verification with zero-scale		
Stuck ADC output bits verification with full-scale		
Multiplexer Open/Short verification with single HVMUX test current source		
Multiplexer Open/Short verification with both HVMUX test current sources		
Measured result difference between Module voltage and Cell voltage summation		
Vhv - Vdcin > Vhvvv		
Vhv < Vhvvv		
Die Temperature is over the upper limit		
Scanning for cell information is not complete		
ADC Data Path error		
Packet Error Check		
Power-on reset event occurred		
32kHz oscillator frequency is not within +/-5% of its expected value		
Same as Alrtosc1 (redundant alert)		
Module number addressing is fail		
Alive counter is not matched to the expected value		
PEC Bits in Data-check byte error		
Vhv - V12 is too low		
Transmit data is not equal to read back data		
Engine Speed	0	rpm
Accelerator position	0.0	%
GPS_Date - Year		Year
GPS_Date - Month		
GPS_Date - Day		Days
UTC_Time - Hours		Hours
UTC_Time - Minutes	0	
UTC_Time - Seconds	0	seconds

HCP |

NAME	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)

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		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 keyOn		sec
RAM Stamps		Min
Accelerator Pedal Position	0	%
Barometric Pressure		°F
Engine Speed	0	rpm
Vehicle Speed	0.0000	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	0.000	Ft-Lbs
Actual Torque - Motor B	0.000	Ft-Lbs
Available Motor Torque - Motor A		Ft-Lbs
Available Motor Torque - Motor B	0.000	Ft-Lbs
Available Regen Torque - Motor A		Ft-Lbs
Available Regen Torque - Motor B	0.000	Ft-Lbs
Commanded Torque - Motor A	0.000	Ft-Lbs
Commanded Torque - Motor B	0.000	Ft-Lbs
Motor A - Inverter Current - phase A	0	AMP
Motor A - Inverter Current - phase B	0	AMP
Motor A - Inverter Current - phase C		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

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		
EPAS QC Diag Enable		
Propulsion System Active		
HV Contactor Status		
HV Battery Voltage from BPCM		Volts
Electric Motor A Speed	0.0	rpm
Electric Motor B Speed	0.0	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	0	miles
OBCM Operating Mode		
J1772 Prox Detected State		
HV Battery Sleep Time	0	Days
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		
EAC HV Voltage	0	Volts
EAC HV Voltage fault status		
HV Battery Contactor Status FA		
DAP Contactor Open		
Air PTC Heater HV Voltage	0	Volts

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

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

SNAPSHOT DATA SUMMARY

- No Snapshot Data available for [REDACTED]
- No Snapshot Data available for [REDACTED]
- No Snapshot Data available for [REDACTED]
- No Snapshot Data available for [REDACTED]
- No Snapshot Data available for [REDACTED]

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