


WI
TECH 2.0

CONFIGURATION REPORT

Vehicle

ECU SUMMARY INFO

ECU	NAME	BUS TYPE	FLASH PART #	CURRENT VIN	ORIGINAL VIN	PART #
TCM	Transmission Control Module	CAN-C				
PCM	Powertrain Control Module	CAN-C				
ICS	Integrated Center Stack	CAN-I				
TPM	Tire Pressure Monitor	CAN-C				
RFH	Radio Frequency Hub	CAN-C				
ESM	Electronic Shifter	CAN-C				
DTCM	Drive Train Control Module	CAN-C				
ORC	Occupant Restraint	CAN-C				
EPS	Electric Power Steering	CAN-C				
HVAC	Heat, Ventilation and A/C	CAN-I				
CSWM	Comfort Seat Wheel Module	CAN-I				
AMP	Amplifier	CAN-I				
IPC	Instrument Panel Cluster	CAN-C				
PTS	Parktronics	CAN-C				
SCCM	Steering Column Control Module	CAN-C				
BCM	Body Controller	CAN-C				
RADIO	Radio	CAN-I				
OCM	Occupant Classification	CAN-C				
LBSS	Left Blind Spot Sensor	CAN-I				
RBSS	Right Blind Spot Sensor	CAN-I				

Sess onID #

BPCM	Battery Pack Control Module	CAN-C				
HCP	Hybrid Control Processor	CAN C				
AHCP	Auxiliary Hybrid Control Processor	CAN-C				
ABSO	Anti Lock Brakes OBD	CAN C				
SGM	Security Gateway Module	CAN-C				
DPDM	Driver Presence Detection Module	CAN-C				
DASM	Driver Assistance System Module	CAN C				
IDCM	Integrated Dual Charge Module	CAN-C				

ECU SUMMARY INFO (CONT.)

ECU	COUNTRY CODE	HARDWARE VERSION	SOFTWARE VERSION	IDENT	SERIAL NUMBER	CVNS
TCM	USA / USA					
PCM	USA					
ICS	USA					
TPM	USA					
RFH	USA / USA					
DTCM	USA					
ORC	USA					
EPS	USA					
HVAC	USA					
CSWM	USA					
AMP	USA					
IPC	USA					
PTS	USA					
SCCM	USA					
BCM	USA					
RADIO	USA					
OCM	USA					
LBSS	USA					
RBSS	USA					
BPCM	Rest of world / ROW					
HCP	USA					
AHCP	USA					
ABSO	USA					

DPDM USA

DASM USA

IDCM USA

CONFIGURATION

PCM CONFIGURATION

NAME	VALUE	UNITS
Autostick/ERS On/Off Switch Equipped		
Paddle Shift Switches Equipped		
Shifter with Sport Mode Position Equipped		
Shifter with Low Mode Position Equipped		
Sport Mode Switch or Virtual Switch (Non-Terrain) Equipped		
Overdrive Off or Tow Haul Mode Switch or Virtual Switch (Non Terrain) Equipped		
ECO/Optimizer Switch Equipped		
ERS/Autostick/Tip Non-paddle on Steering Wheel equipped		
ERS/Autostick/Tip Non paddle on Shifter in D position equipped		
ERS/Autostick/Tip Non-paddle on Shifter in A or M position equipped		
FWD Equipped		
RWD Equipped		
AWD Equipped		
4WD with switchable Lo Range equipped		
Engine Start/Stop equipped		
Polystable E shift (Cableless without return to center) equipped		
Long Learn Enabled		
Short Learn Enabled		

PCM CONFIGURATION

NAME	VALUE	UNITS
AC Equipped		
AC Equipped Over Bus		
Power Steering Switch Equipped		
4 Button Integrated Cruise Control		
EMAT (Getrag DCT transmission) Equipped		
Vehicle Speed Sensor #1 Calculated from CAN		
Police Package Equipped		
Unleaded Gasoline Fuel		
Unleaded diesel fuel		
6.4 Liter V8 Engine		
4 Speed Automatic Transmission Equipped		
Electronic Automatic Transmission (EATX) Equipped		
Vehicle Speed Sensor #1 Calculated by ECU		
4.7 Liter V8 Engine		

5.7 Liter V8 Engine
6.1 Liter V8 Engine
Sensorless FFV Enabled
Electronic Throttle Control Equipped
3.6 Liter V6 Engine
3.0 Liter I6 Engine
3.6 Liter V6 Engine
3.7 Liter V6 Engine
3.5 Liter V6 Engine
3.3 Liter V6 Engine
3.2 Liter V6 Engine
2.7 Liter V6 Engine
MTV Solenoid Equipped
MDS Equipped
Turbocharger Equipped
SRV Equipped
Secondary Air Equipped
Shift Indicator Lamp Equipped
Barometric Sensor Equipped
TIP Equipped
Battery Temp Sensor Equipped
Knock Sensor 1 Equipped
Knock Sensor 2 Equipped
W14 Variable Valve Timing Equipped
Clutch Interlock Switch Equipped
ESIM Equipped
Linear Purge Equipped
Linear EGR Equipped
Continuous Variable Transmission Equipped
Direct Injection Equipped
Secondary Fuel Pump Equipped
Electronic Coolant Pump Equipped
O2 Sensor Bank 1 Sensor 1 Equipped
O2 Sensor Bank 1 Sensor 2 Equipped
O2 Sensor Bank 1 Sensor 3 Equipped
O2 Sensor Bank 2 Sensor 1 Equipped
O2 Sensor Bank 2 Sensor 2 Equipped
Variable Displacement AC Equipped
Fixed displacement AC Equipped
W14 Intake Flow Control Valve Equipped
Electric Coolant Valve Equipped
Engine Oil Heater Cooler Equipped

Transmission Oil Heater Equipped
Electric Water Pump Equipped
Rear Heater Equipped
Starter Relay 2 Equipped
Inrush Current Reduction Relay Equipped
Active Grille Shutter Equipped
Electronic Vacuum Pump Equipped
Wide Range O2 Sensor 1/1 Equipped
Wide Range O2 Sensor 2/1 Equipped
MultiAir Equipped
Engine Stop Start Equipped
Viscosity Sensor Equipped
Duty Cycle Purge Valve Equipped
Electric Thermostat Heater Equipped
Exhaust Cam 1 Equipped
Intake Cam 1 Equipped
1.8 Liter WI4 engine
2.0 Liter WI4 engine
2.4 Liter WI4 engine
3.0 Liter V6 Engine
Tumble Generator Valve Equipped
Hybrid Electric Vehicle Equipped
Auxiliary Heater Electric Water Pump Equipped
Dual Speed Fuel Pump Equipped
Exhaust Cam 2 Equipped
Intake Cam 2 Equipped
1 Speed Fan Mechanical Relay System Equipped
2 Speed Fan Mechanical Relay System Equipped
2 Speed Fan PWM Relay System Equipped
Linear PWM Fan Relay System Equipped
PWM Fan Motor System Equipped
3 Speed Fan Mechanical Relay System Equipped
Fan Wake Up Relay System Equipped
2 Speed Fan 3 Driver 3 Relay System Equipped
40TE / 41TE / 41TEA
42RLE
45RFE / 545RFE / 65RFE
62TE
66RFE / 68RFE
VLP Is Learnable Indicator
VLP Equipped Indicator
VFS Actuators Available Indicator

ERS Equipped Indicator
Engine Software In Package
Transmission Software Included
ICC Cruise Equipped
ETC Cruise equipped
Adaptive Cruise Control Equipped
Air Equipped
Adaptive Cruise Control Hardware Equipped
DUAL ALTERNATOR GEN1 LEARNEDCOPY
TOOLCONFIG_RAPRESS_ABS_EQUIPPED
GPEC2 Equipped
GPEC2A Equipped
GPEC3 Equipped
Cummins Equipped
GPEC4 Equipped
VMM Equipped
Powernet Equipped
CUSW (29-Bit) Equipped
CUSW (11 Bit) Equipped
Fiat 940 Compact Equipped
Next Gen Bus Equipped
Constant Heater Temperature Control Valve Equipped
High Side Port Tumble Valve Equipped
CMCV H Bridge Equipped
Turbine Volute Valve Actuator Equipped
Wastegate H Bridge Equipped
Active Exhaust Valve Equipped
Active Exhaust Pressure Sensor Equipped
Engine Idle Shutoff Equipped
Aisin 6-Speed RWD Transmission Equipped
Cooled EGR Equipped
Supercharger Equipped
Low Temperature Radiator Coolant Pump Equipped
Mechanical Coolant Pump Heater Equipped
Auxiliary Coolant Pump Heater Equipped
Compressed Natural Gas Equipped
CUSW PROXI Write Programming Support Enabled
Active Engine Mount Equipped
ZF 9 Speed Transmission Equipped
HPT 6-Speed Transmission Equipped
Variable Speed Fuel Pump Equipped
Operator Idle Speed Request Equipped

PTO System Equipped

Air Shutoff Valve Bank 1 Control Solenoid 1 Equipped

Air Shutoff Valve Bank 1 Control Solenoid 2 Equipped

Air Shutoff Valve Bank 2 Control Solenoid 2 Equipped

Dual Stage Oil Pump Equipped

Auxiliary Coolant Pump Equipped

Trans Skip Shift Equipped

Trans Reverse Lockout Equipped

Port Flap Valve Equipped

Brushless PWM Fan Equipped

6.2 Liter V8 Engine

Primary Lin Alternator Equipped

Coolant On-Off Pump Equipped

Oil Pressure Sensor Enabled

Fiat VIN Learning Strategy Equipped

Dual Fuel Tank Equipped

Yaw Rate Sensor ESC Equipped

1.0 Liter I3 Engine

Coolant On Off Valve Equipped

Buffered Crank Output for ANC (Active Noise Cancellation) Equipped

Buffered Crank Output for PHEV Engine Pulse Calculation Equipped

Throttle Inlet Temp Sensor Equipped

Humidity, Temperature and Pressure Sensor (LIN) Equipped

Dual Fuel Pressure Sensor Equipped

Brake Pedal Sensor Equipped

Dual Fuel Tank Equipped

PTO System Equipped

Low Temp Radiator Coolant Pump Equipped

Engine Idle Shutoff Equipped

A/C Relay Powered from Engine Switched Battery

CNG Large Gas Tank Equipped

Cooled EGR Equipped

Supercharger Equipped

Hybrid MEC Shifter Equipped

Dual Alternator Gen1 Capable

Auxillary Coolant Pump Equipped

ZF 9-Speed Trans Equipped

HPT 6-Speed Trans Equipped

CUSW 4 Button Cruise Equipped

Power Steering Angle Sensor Mandatory

Throttle Inlet Temp Sensor Equipped

LIN Humidity, Temp, and Pressure Sensor Equipped

Dual Fuel Pressure Sensor Equipped
 Brake Pedal Sensor Equipped
 Clutch Sensor Equipped
 SWAP HARDWIRED BRAKE SWITCH INPUTS

Mass Airflow System Equipped
 Bi-Directional Crank Sensor Equipped
 5th Gear Cruise (LIN) Equipped
 Operator Idle Speed Request Equipped
 INTAKE O2 SENSOR EQUIPPED
 Cylinder Pressure Sensor Equipped
 Make Up Air Sensor Equipped
 Active Exhaust Pressure Sensor Equipped
 Secondary Mass Airflow Sensor Equipped
 1.0 Liter I3 Engine
 2.0 Liter I4 Direct Injection Engine
 Variable Valve Lift Equipped
 Coolant On Off Pump Equipped
 Primary Lin Alternator Equipped
 Electronic Parking Brake Equipped
 Active Exhaust Valve(s) Equipped
 Mechanical Coolant Pump Equipped
 Aux Coolant Pump Heater Equipped
 Heater Temp Control Valve Equipped
 High Side Port Tumble Valve Equipped
 Wastegate HBridge Equipped
 Remote Start Present
 Engine Oil Pressure Sensor Type

None

ICS CONFIGURATION

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

TPM CONFIGURATION

NAME	VALUE	UNITS
TPM System Type		
4/5 Tire System		
RSSI Margin Constant Override Setting		
RSSI Margin 4 Wheel Constant A		No Unit
RSSI Margin 4 Wheel Constant B		No Unit
RSSI Margin 4 Wheel Constant C		No Unit

RSSI Margin 4 Wheel Constant D
Current Gain Mode
Gain Mode Override Status
WAL Gain Mode Setting
High Gain Mode Setting
Run Flat Tire Present
Smart Vehicle Present
Base TPM Present
Premium TPM Present
BUX Deactivation Flag
TPM Legislation

No Unit



RFH CONFIGURATION

NAME	VALUE	UNITS
PIN Successfully Programmed		
VIN Successfully Programmed		
Valid Key In Ignition		
Keyless Go		
Ignition system type connected		
e shifter present		
Auto Park Present		
Secret Codes Programmed		
Passive Entry		
RKE		
Module Configuration Status		
Remote Start Present		
\$0214 Programmed by		
Hardware Configuration: Remote Start Antenna		
Hardware Configuration: Front Left Door Handle H/W		
Hardware Configuration: Front Right Door Handle H/W		
Hardware Configuration: Rear Left Door Handle H/W		
Hardware Configuration: Rear Right Door Handle H/W		
Hardware Configuration: Trunk Door Handle H/W		
RFHub Locked		
Fob Location #1 Successfully Programmed		
Fob Location #2 Successfully Programmed		
Fob Location #3 Successfully Programmed		
Fob Location #4 Successfully Programmed		
Fob Location #5 Successfully Programmed		
Fob Location #6 Successfully Programmed		
Fob Location #7 Successfully Programmed		
Fob Location #8 Successfully Programmed		

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5 U.S.C. 552 (B) (6)

- Back Up Vehicle Config 1
- Back Up Vehicle Config 2
- Back Up Vehicle Config 3
- Back Up Vehicle Config 4
- Back Up Vehicle Config 5
- Back Up Vehicle Config 6
- Back Up Vehicle Config 7
- Back Up ECU Configuration 1
- Back Up ECU Configuration 2
- Back Up ECU Configuration 3
- Back Up ECU Configuration 4
- Back Up ECU Configuration 5
- Back Up ECU Configuration 6
- Back Up ECU Configuration 7
- Back Up ECU Configuration 8
- Back Up ECU Configuration 9
- Back Up ECU Configuration 10
- Back Up ECU Configuration 11
- Back Up ECU Configuration 12
- Back Up ECU Configuration 13
- Back Up ECU Configuration 14
- Back Up ECU Configuration 15
- Back Up ECU Configuration 16
- Back Up ECU Configuration 17
- Back Up Customer Settings Menu 1 (CSM1)
- Back Up Customer Settings Menu 2 (CSM2)
- Back Up Programmed ECUs: Cabin Network
- Back Up Programmed ECUs: P/T Chassis Network
- Secret Key Sent to Body Controller Most recent attempt
- Secret Key Sent to Body Controller - Original attempt

DTCM CONFIGURATION

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

ORC CONFIGURATION

NAME	VALUE	UNITS
Rollover Sensing		
EPPM		
Occupant Classification (OCM)		
First Row Driver Seatbelt Buckle Switch		
First Row Passenger Seatbelt Buckle Switch		
Second Row Left seat belt Switch		
Second Row Center seat belt Switch		
Second Row Right seat belt Switch		
Driver Seat Track Position Sensor		
Passenger Seat Track Position Sensor		
Passenger Occupant Detection Sensor		
Passenger Airbag Disable Switch		
Passenger Airbag Disable Indicator		
Driver Frontal Squib 1		
Driver Frontal Squib 2		
Driver Frontal Squib 3		
Passenger Frontal Squib 1		
Passenger Frontal Squib 2		
Passenger Frontal Squib 3		
Driver Knee Bolster Squib		
Passenger Knee Bolster Squib		
Driver Seatbelt Retractor Pretensioner		
Passenger Seatbelt Retractor Pretensioner		
Driver Seatbelt Load Limiter		
Passenger Seatbelt Load Limiter		
Driver Seatbelt Anchor Pretensioner		
Passenger Seatbelt Anchor Pretensioner		
Driver Seatbelt Buckle Pretensioner		
Passenger Seatbelt Buckle Pretensioner		
Left Curtain Squib 1		
Right Curtain Squib 1		
Left Side Seat Squib 1		
Right Side Seat Squib 1		
Second Row Left Seat Side Airbag		
Second Row Right Seat Side Airbag		
Driver Frontal Squib 4		
Passenger Frontal Squib 4		
Left Up Front Acceleration Sensor		
Right Up-Front Acceleration Sensor		
Right B-Pillar Impact Acceleration Sensor		

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Left B-Pillar Impact Acceleration Sensor
Left C Pillar Impact Acceleration Sensor
Right C-Pillar Impact Acceleration Sensor
Right D Pillar Impact Acceleration Sensor
Left D-Pillar Impact Acceleration Sensor
Left Side Door Pressure Sensor
Right Side Door Pressure Sensor
Configuration Column Identifier

HVAC CONFIGURATION

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

AMP CONFIGURATION

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

IPC CONFIGURATION

NAME	VALUE	UNITS
Main Fuel Tank Gauge - Empty Stop Calibration	0.000	Volts
Main Fuel Tank Gauge 1/4th Datum Calibration	0.000	Volts
Main Fuel Tank Gauge 1/2 Datum Calibration	0.000	Volts
Main Fuel Tank Gauge - 3/4 Datum Calibration	0.000	Volts

Main Fuel Tank Gauge - Full Stop Calibration	0.000	Volts
Sub Fuel Tank Gauge Empty Stop Calibration	0.000	Volts
Sub Fuel Tank Gauge - 1/4 Datum Calibration	0.000	Volts
Sub Fuel Tank Gauge 1/2 Datum Calibration	0.000	Volts
Sub Fuel Tank Gauge - 3/4 Datum Calibration	0.000	Volts
Sub Fuel Tank Gauge - Full Stop Calibration	0.000	Volts

PTS CONFIGURATION

NAME	VALUE	UNITS
Rear System with 6 Front Sensors		
Front System with 6 Rear Sensors		

SCCM CONFIGURATION

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

BCM CONFIGURATION

NAME	VALUE	UNITS
RBSM		
LBSM		
BCM (Interior Bus)		
HSM		
HVAC		
PTCM		
Radio		
ITM		
AMP		
EDM		
HVAC_R		
TBM		
AHLM/AFLS		
ASCM		
BCM (PT)		
DTCM		
PCM		
EPS		
ESM		
ABS		
RFH		

IPC

ORC

PTS

SCCM

ELSD

ECM

TPM

AFLS

ITBM

OCM

DPDM

SGW

ASBS

ANC

Number of Reprogramming Attempts Counter #0

Vehicle Configuration Programmed Status

Last Programmed Status

Last Configuration Odometer

miles

Vehicle Configuration Auto Write Counter

Vehicle Configuration 1 - Write Counter

Vehicle Configuration 2 - Write Counter

Vehicle Configuration 3 - Write Counter

Vehicle Configuration 4 - Write Counter

Vehicle Configuration 5 - Write Counter

Vehicle Configuration 6 - Write Counter

Programmed ECUs: Cabin Network

Programmed ECUs: P/T Chassis Network

Programmed Network Configuration - Audio / Telematics Network

Programmed ECUs: Hybrid LAN Network

ECU Configuration 1 (CBC Configurable Inputs and Outputs)

ECU Configuration 2 (CBC Features)

ECU Configuration 3

ECU Configuration 4

ECU Configuration 5 (Wireless)

ECU Configuration 5 (Doors)

ECU Configuration 5 (Memory)

ECU Configuration 6 (Brake)

ECU Configuration 6 (Suspension)

ECU Configuration 6 (Powertrain)

ECU Configuration 6 (Safety)

ECU Configuration 7 (CBC Exterior Lighting Calibrations)

ECU Configuration 8 (LIN and Miscellaneous)

ECU Configuration 9A
ECU Configuration 9 (ITM)
ECU Configuration 10
ECU Configuration 11
ECU Configuration 12
ECU Configuration 13
ECU Configuration 14
ECU Configuration 15 (CBC Features)
ECU Configuration 15 (Suspension)
Vehicle Configuration 7 - Write Counter
Vehicle Config CSM1
Vehicle Config CSM2
Model Year
Vehicle Line
Country Code
Left/Right Hand Drive
Remote Start Present
Drive Configuration
Emode Present
Auto Highbeam
Body Style
Maximum Vehicle Speed
Shifter Type
Performance Pages Present
Special Packages
PTS Configuration
Hill Descent Feature Present
Select Speed Control Feature Present
Power Inverter Type
Thatcham Present
Rain Sensor Present
SKIM System Present
Air Conditioning Present
Cruise Feature is Present
Flipper Glass Present
Full Size Spare
Off Road Capable
Special Packages
Max Load Inflation Pressure Rear Tire
Max Load Inflation Pressure Front Tire
Light Load Inflation Pressure Rear Tire
Police Lighting Feature

MPH

PSI
PSI
PSI

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Power Lift Gate Present

Power Right Sliding Door Present

Power Left Sliding Door Present

RKE System Present

Sunshade Present

Case Type

Wheel Base

FOB/Kill Switch Enable

ELV Present

Fuel Capacity

gallons

Window Express Feature Configuration

Adjustable Pedal Feature Present (non Memory)

Auto Headlamp Feature Present

Door Alert Feature Present

Two Fuel Sending Units Present

Vehicle is an SRT

Disable Display of Radio Clock

Chassis Type

Display Outside Temperature Present

HVAC Configuration

Vehicle Brand

Display Compass Heading Present

Interior EC Mirror Present

ESCL system present

High Intensity Discharge Head Lamps

Secondary Lock Present

Liftgate/Trunk Type

Collision Mitigation System present

Forward Collision Warning present

Base TPM system present

Premium TPM system present

Paddle Shift Feature Present

Sport Mode Present

Auto Park Present

Passive Entry Present

Keyless Go Present

Transfer Case High Ratio

Axle Ratio

Transfer Case Low Range Reduction Ratio

Dynamic Tire Circumference (All or Rear)

inch

Dual Rear Wheel (DRW) Vehicle Present

Non-Regulated Tire Pressure Information System (TPIS) Present

Steering Ratio at zero	0.0	No Unit
Steering Ratio at Positive Angle 1	0.0	No Unit
Steering Ratio at Positive Angle 2	0.0	No Unit
Steering Ratio at Positive Angle 3	0.0	No Unit
Steering Ratio at Positive Angle 4	0.0	No Unit
Steering Ratio at Positive Angle 5	0.0	No Unit
Analog Door Sensor Configuration	[REDACTED]	
Air Quality System Present	[REDACTED]	
Steering Ratio at Negative Angle 1	0.0	No Unit
Steering Ratio at Negative Angle 2	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 5	0.0	No Unit
Ambient Light Dimmer Wheel Input Present Pin G9	[REDACTED]	
Low Beam Output Present - Pin A3, G5		
Rear Wiper Motor Park Present Pin E29		
Left Rear Door Ajar Input Present Pin F23		
Front Driver Analog Door Ajar Input Present - Pin E9		
Reserved Pin G12		
Horn Switch Input Present - Pin F29		
Reserved Pin E15		
Hood Ajar Switch Input Present Pin A11		
Hard Top Sense Present - Pin E14		
Reserved F21		
Reserved - Pin D20		
Passenger Door Ajar Signal Present Pin G18		
Reserved - Pin E47		
Reserved - Pin E35		
Starter Relay Lowside Coil Drive Pin D7		
Diesel Cabin Heater #2 Output Present - Pin D9		
Diesel Cabin Heater #3 Output Present Pin D10		
Diesel Cabin Heater #1 Output Present - Pin D11		
Right Dedicated DRL Lamp Output Present - Pin A22		
Left Dedicated DRL Lamps Output Present Pin D15		
Flipper Glass #2 Output Present		
Foot Well Lamps Output Present Pin G24		
Front Fog Lamps Output Present - Pin A1 & D13		
Inverter Enable Relay Output Present - Pin F35		
Reserved E20		
Gated Park ZFII Output Present - Pin D-24		
Reserved Pin E21		
Rear Fog Lamps Output Present - Pin E39 & F5		

Rear Park Lamps Output Present - Pin E4 & F32
Rear Turn Lamps Output Present Pin E3 & F42
Run-ACC Y Relay #2 Output Present - Pin E9
Side Markers Output Present Pin A10 & D5
Trailer Backup Lamps Output Present - Pin E23
Reserved - Pin F4
UVO Feed Output Present Pin G15
VTA Warning LED Output Present - Pin G22
Park Brake Input Present Pin E11
Ambient Temperature Sensor Present - Pin D22
Tip Start Enabled
Dual Start Relay System Present
Wiper Service Position Enabled
Trailer Tow Present
Quad Headlamps Enable
Horn Chirp Allowed
Bi Xenon Headlamps Enable
Hazard Lamp Configuration
Park Lamp Loadshed Enable
Front Fog Lamp Dropout Enable
Combined Rear Lighting Enable
Side Repeaters Enable
One Touch Lane Change
Exterior Light Loadshed Enable
Front Wiper Park Enable
Rear Wiper Park Enable
Reversible Washer Pump Enable
Single Element Tail Lamp
DRL Configuration
DRL Lamp Location
DRL Dropout Enable
Tunnel Detection
Military Vehicle Present
LED Reverse Lamps Present
LED Stop Lamps Present
LED Rear Turn Lamps Present
LED Tail Lamps Present
LED Rear Fog Lamps Present
LED License Lamps Present
LED Front Turn Lamps Present
LED Front Fog Lamps Present
LED Dedicated DRL Present

LED Low Beam Lamps Present
LED High Beam Lamps Present
LED Front Park/Marker Lamps Present
Door Lock Switch Signal FT LT Usage (F9)
Door Lock Switch Signal FT RT Usage (F23)
Headlamp Wash Interval
Headlamp Wash Shot
Front Wiper Wipes After Wash
Headlamp Washer Low Fluid Shut Off Enable
Intermittent Wiper States
LED CHMSL Lamp Present
Rear Camera Present
Power Inverter Present
Front Park Assist Present
Front Heated Seats Present
Front Ventilated Seats Present
Destination
Cabin Equilization Curve Number
Hill Start Assist Customer Setting Option Present
Radio Apps Present
CTP Easy Entry Enable
CTP Passive Entry Present
CTP Auto Lock Disable
SDAR Travel Link Present
DAB Present
Vehicle Theft Alarm Present
Heated Steering Wheel Present
VIN Check Digit Diable
Surround Sound Feature Present
Power Door Locks Present
Antenna Type
CTP Max AC Present
Hybrid Electric Powertrain Present
Disable CD Eject
DTV Front Camera Present
DTV Side Camera Present
Tow Haul Present
Hill Descent Control Present
Audio Steering Wheel Switch Configuration
Radio Display On/Off Softkey Present
Microphone Tuning Parameter
Microphone Configuration

Microphone Type
External Port Type
Splashscreen Type
ERS Available
Rear Wheel Dually
Max Gear
Virtual Speedometer Units
Speedometer Range Max Scale
IC Configuration
PTO Present
AMB Dimmer
Heated Seat Present
Split Shaft Present
Manual Headlamp Leveling
Gear Shift Indicator
Service Interval
Temperature Celsius for UK
Type of Gallons
Tip Start Present
AP5 Trunk Lock
Airport Scenario Trunk Set
AP1 Left Front
AP2 Right Front
AP3 Left Rear
AP4 Right Rear
Global Up
Global Down
Sun Shade
Puddle Lamp Present
Rear Door Pre Short Drop
Passenger Window Lockout
Auto Power Folding Mirrors Present
Folding mirrors present
Heated Mirrors Present
Mirror turn signals present
Driver Memory Mirrors Present
Passenger Memory Mirror Present
Electro-chromatic driver mirror present
Electro chromatic passenger mirror present
Tow Mirror Present
Blindspot Mirror Present
Window Motor Type

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Window Hall Sensors Present

Frameless Window Present

Memory Adjustable Pedals Present

Tilt/Telescope Steering Present

Memory Seat Present

Rear Heated Seats Present

Front Vented Seats Present

Heated Steering Wheel Present

Heated Seat Material Type

Heated Wheel Material Type

Rear Vented Seats Present

Front Heated Seat Present

Brake System ECU Configuration A

Wheel 18 inch overall ESC Maserati

Brake System ECU Configuration B

ECO Mode Configuration

Dual Alternator Present

ODS Present

Driver Kneebag Present

Passenger Kneebag Present

Curtain Airbags Present

Tow Hooks Present

Passive Ped Pro Present

2nd Row Seat Airbags Present

Reserved

Reserved

Integrated EPP Present

BUX vehicle

Signature Light Present

Dual Filament Headlamp

Front Turn Lamp Diagnostics

Auto Headlamp On Threshold

Auto Headlamp Off Threshold

Left Low Beam Voltage Regulation

Left High Beam Voltage Regulation

Right Low Beam Voltage Regulation

Right High Beam Voltage Regulation

Left Front Corner Voltage

Right Front Corner Voltage

Left Rear Corner Voltage

Right Rear Corner Voltage

Panic Enable

Volt

Volt

C. 552 (B) (6)

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Compass Mounting Orientation

Washer Fluid Level Voltage Threshold

IBS Present

ASBMM Present

Humidity Sensor Present

Manual Trans Present

DC to DC Converter Present

ASBMM Present

Auto Relock Time

seconds

VTA System Present

DC to DC Converter #2 Present

Illuminated Approach Interior Lighting Target Percentage

Illuminated Approach Headlamp Target Percentage

Illuminated Approach Taillamp Target Percentage

Illuminated Approach Interior Lighting Ramp Up Time

CRVMM Present

EVIC Switch Module Present

Compass Mounting Angle

Degree

Signature Lamps or Mirror Repeater Present Pin A5 & Pin A7

Backup Reverse Lamp Left Present - Pin F41

Backup Reverse Lamp Right Present Pin E1

Stop/Turn Lamp or Stop Lamp Present Pin E2 & F40

Left High Beam Present - Pin D1

Right High Beam Present Pin A2

Left Front Lamp Diagnostics Present - Pin F25

Right Front Lamp Diagnostics Present Pin F28

Left Rear Turn Lamp Diagnostics Present - Pin F27

Right Rear Turn Lamp Diagnostics Present - Pin F31

Brake Fluid Level Switch Signal Present Pin D21

Siren

Ultrasonics

Tilt

Swing Gate Lock Present - Pin F30

Swing Gate Unlock Present Pin F33

Front Fog Voltage

Volts

Rear Fog Voltage

Volts

CHMSL Lamp Output Disable

Secondary Door Ajar Present - Pin E28

Manual Door Locks Present

Rain Sensor Module #2 Present

Auto High Beam Module Location

Average Last Longitudinal Acceleration Values

Average Last Lateral Acceleration Values

Excess Longitudinal Acceleration Factor

Excess Lateral Acceleration Factor

Brake Smoothing Duration

Brake Smoothing Factor

Steering Smoothing Duration

Steering Smoothing Factor

Steering Smoothing Threshold

Brake Smoothing Threshold

Maximum Longitudinal Change

Maximum Lateral Change

Acceleration Threshold

Acceleration Factor

Nose Dive Threshold

Nose Dive Factor

RKE Auto Relock Feature Enable

PE Auto Relock Feature Enable

VTA Hood Ajar Monitoring

Horn Chirp Duration

Pitch and Roll Present

Parking Light Enable

ASBM Minimum Voltage Time

ASBM Battery Minimum Voltage

Interior Lighting Night Threshold

Volt

Interior Lighting Day Threshold

Volt

Axle Locker Configuration

Transmission Equipped

Park Brake Type

TPMS Configuration

Hybrid Type

TSBM Module Present

ADR feature Present

AGS Feature Present

Temperature Display Resolution

PTC Present

Glovebox Control

Glare Free Present

Brake Type

Suspension Type

Park assist customer settings menu

Park assist brake customer settings menu

Park assist front volume customer settings menu

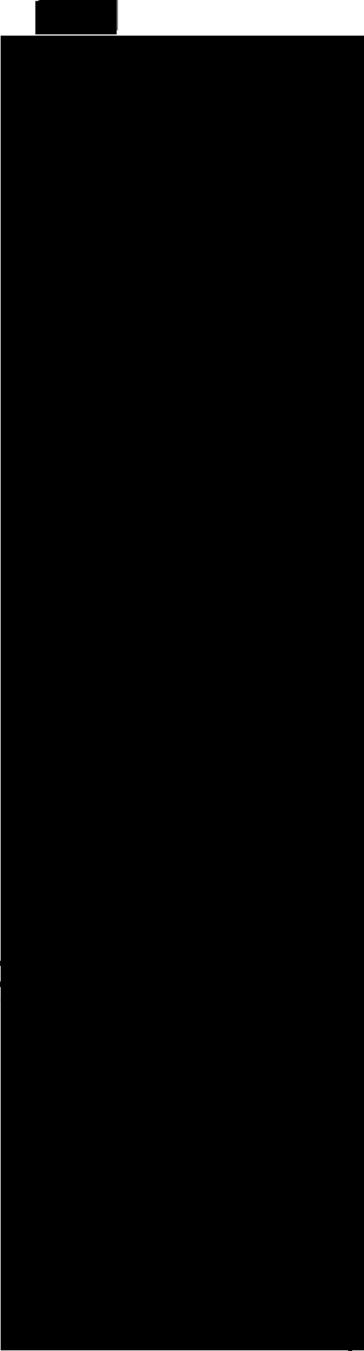
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U.S.C. 552 (B) (6)

Park assist rear volume customer settings menu
Electric power steering customer settings menu
Forward collision warning customer settings menu
Auto on driver comfort customer settings menu
Auxiliary switches customer settings menu
Rear view camera gridlines customer settings menu
Unit set customer settings menu
Power accessory delay customer settings menu
Ambient lighting customer settings menu
Tire jack mode customer settings menu
Air suspension warning customer settings menu
Automatic aero mode customer settings menu
Auto high beam customer settings menu
Auto park customer settings menu
Blind spot alert customer settings menu
Clock display customer settings menu
Compass calibration customer settings menu
Compass variance customer settings menu
Consumption unit customer settings menu
Distance unit customer settings menu
Auto door lock customer settings menu
Easy exit seat customer settings menu
Auto entry exit mode customer settings menu
EPB service mode customer settings menu
Headlamp drop customer settings menu
Headlamp off delay customer settings menu
Headlamps on with wiper customer settings menu
Passive entry customer settings menu
Illuminated approach customer settings menu
Lane departure torque customer settings menu
Lane departure warning customer settings menu
Rear camera customer settings menu
Rain sensitive wipers customer settings menu
Power take off customer settings menu
Pressure unit customer settings menu
Power unit customer settings menu
Power liftgate chime customer settings menu
Performance shift enable customer settings menu
Rear view camera delay customer settings menu
RKE unlock customer settings menu
Speed unit customer settings menu
Tilt mirror in reverse customer settings menu

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Torque unit customer settings menu
Teen Key Fuel Pop up Customer Settings Menu
Teen Key Automatic High Beam Customer Settings Menu
Passenger Airbag On/Off Customer Settings Menu
Forward Collision Warning and Brake Customer Settings Menu
Doors and Engine Off Power Delay Customer Settings Menu
Radio Speaker Open Circuit Disable (LF)
Radio Speaker Open Circuit Disable (RF)
Radio Speaker Open Circuit Disable (LR)
Radio Speaker Open Circuit Disable (RR)
ANC Calibration Parameter Data Set
Surround View Camera On/Off Softkey Present
Drive Mode Version
Rear Defrost and Heated Mirrors Present
Show Phone Information in Cluster
Auto Dimming Mirror Hard Button Present
Clari Fi Present
Automatic Crash Notification Feature Present
Trailer Hitch Camera Present
Park Assist Tuning Set
Rear Defrost Presence
Heated Mirrors Present
Engine Displacement
Steering C Factor
Speedometer Tolerance
Increasing speed constant
Tachometer Type
DTV Present
Tri State Comfort Climate Softkey Function Present



ms

RADIO CONFIGURATION

NAME	VALUE	UNITS
Satellite Subscription ID		
Satellite Subscription Status		
Satellite Subscription Reason Code		
Satellite Subscription Suspend Day		
Satellite Subscription Suspend Month		
Satellite Subscription Suspend Year		
911 Button		
SDARS		
Navigation Active		
Cellular		

Internal CD Player

Wi Fi

Bluetooth

Application Framework

FM Diversity

Clock Defeat

Automated Loudness

Anti-Theft Enable Status

12/24 Time Selection

Front Seat Video Playback

Cabin EQ Curve Number Currently Used by Radio

Splash Screen

Compass on the bus messaging Authorization

GPS on the Bus messaging Authorization

USB Hubs Detected

No Unit

SD Card Readers Detected

No Unit

Enumerated USB Devices

No Unit

Aux Jack

DTV Short Term Configuration

LBSS CONFIGURATION

NAME	VALUE	UNITS
Steering (LHD/RHD)		
Teen Key		
CFG FEATURE		

RBSS CONFIGURATION

NAME	VALUE	UNITS
Steering (LHD/RHD)		
Teen Key		

ABSO CONFIGURATION

NAME	VALUE	UNITS
Vehicle Line Identification		
Displacement		No Unit
Hybrid Type		
Trans Type		
Drive Configuration		
Chassis Type		
Axle Ratio		No Unit
Tire Circumference		inch

DASM CONFIGURATION

NAME	VALUE	UNITS
ACC Present		
ACC STOP Present		
ACC GO Present		
BCW Present		
LDW Plus Present		
Auto High Beam Present		
NCC Present		

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VEHICLE HEALTH REPORT

 Vehicle [REDACTED]

ECU SUMMARY INFO

ECU	NAME	BUS TYPE	FLASH PART #	CURRENT VIN	ORIGINAL VIN	PART #
TCM	Transmission Control Module	CAN-C	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
PCM	Powertrain Control Module	CAN-C	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
ICS	Integrated Center Stack	CAN-I	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
TPM	Tire Pressure Monitor	CAN-C	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
RFH	Radio Frequency Hub	CAN-C	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
ESM	Electronic Shifter	CAN-C	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
DTCM	Drive Train Control Module	CAN-C	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
ORC	Occupant Restraint	CAN-C	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
EPS	Electric Power Steering	CAN-C	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
HVAC	Heat, Ventilation and A/C	CAN-I	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
CSWM	Comfort Seat Wheel Module	CAN-I	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
AMP	Amplifier	CAN-I	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
IPC	Instrument Panel Cluster	CAN-C	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
PTS	Parktronics	CAN-C	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
SCCM	Steering Column Control Module	CAN-C	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
BCM	Body Controller	CAN-C	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
RADIO	Radio	CAN-I	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
OCM	Occupant Classification	CAN-C	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
LBSS	Left Blind Spot Sensor	CAN-I	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
RBSS	Right Blind Spot Sensor	CAN-I	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

 Sess onID # [REDACTED]

INFORMATION

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

BPCM	Battery Pack Control Module	CAN-C				
HCP	Hybrid Control Processor	CAN C				
AHCP	Auxiliary Hybrid Control Processor	CAN-C				
ABSO	Anti Lock Brakes OBD	CAN C				
SGW	Security Gateway Module	CAN-C				
DPDM	Driver Presence Detection Module	CAN-C				
DASM	Driver Assistance System Module	CAN C				
IDCM	Integrated Dual Charge Module	CAN-C				

ECU SUMMARY INFO (CONT.)

ECU	COUNTRY CODE	HARDWARE VERSION	SOFTWARE VERSION	IDENT	SERIAL NUMBER	CVNS
TCM	USA / USA					
PCM	USA					
ICS	USA					
TPM	USA					
RFH	USA / USA					
ESM	USA					
DTCM	USA					
ORC	USA					
EPS	USA					
HVAC	USA					
CSWM	USA					
AMP	USA					
IPC	USA					
PTS	USA					
SCCM	USA					
BCM	USA					
RADIO	USA					
OCM	USA					
LBSS	USA					
RBSS	USA					
BPCM	Rest of world / ROW					
HCP	USA					
AHCP	USA					
ABSO	USA					
SGW						

DPDM USA

DASM USA

IDCM USA

FLASHES

TCM | TCM PHEV 4XE 3.73AR NAFTA

Applicable Bulletins

NUMBER	TYPE	RSU #	DESCRIPTION
RC-CZB7-22	RECALL		
RC IZB7 22	RECALL		
RC-ZB7-22	RECALL		

BCM |

Applicable Bulletins

NUMBER	TYPE	RSU #	DESCRIPTION
08-034-21 REV. A			

ABSO |

C

Applicable Bulletins

NUMBER	DESCRIPTION
08 032 22 REV. A	
08-099-23	

RSUS

RSU #	DESCRIPTION	STATUS
23-036		Complete

RECALLS

RECALL #	DESCRIPTION	STATUS
04B		Complete
B9A		Complete
ZB7		Complete
ZD8		Complete

DTC SUMMARY

ECU	DTC CODE	DTC DESCRIPTION	STATUS
RADIO			Stored
BPCM			Active

ENVIRONMENTAL DATA SUMMARY

RADIO |

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

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		miles
Most Recent Odometer Value		miles
Frequency Counter		
Ignition Counter	0	
RDI \$6080		
Event Counter		

BPCM | [REDACTED] Hybrid/EV Battery "A" Voltage Unstable-

NAME	VALUE	UNITS
DTC	[REDACTED]	
Test Failed		
Test Failed This Operation Cycle		
Pending DTC		
Confirmed DTC		
Test Not Completed Since Last Clear		
Test Failed Since Last Clear		
Test Not Completed This Operation Cycle		
Warning Indicator Requested		
Occurrence flag		
Original Odometer Value		miles
Most Recent Odometer Value		miles
Frequency Counter		
Ignition Cycle Counter		
FoM for this DTC (lifetime fails)		events
FoM - for this DTC (lifetime fails counts on pass)		seconds
FoM for this DTC (lifetime longest fail on pass)		seconds
Battery Total Time Awake		seconds
Key in Ignition		
EPT WakeUp		
HCP Contactor Command		
Contactor Status		

52(B)(6)

Plug in Status	
Balance Mode	
Vehicle Speed	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
DTC Extended Data Record Number All	
DTC Extended Data Record Number - 2	
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 Source Battery	%
HVIL PWM Duty Cycle Sink - Battery	%
HVIL PWM Frequency source Vehicle	Hz
HVIL PWM Frequency Sink - Vehicle	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	

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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
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
Engine Speed	rpm
Accelerator position	%
GPS Date Year	Year
GPS Date Month	
GPS Date - Day	Days
UTC Time Hours	Hours
UTC Time - Minutes	
UTC Time Seconds	seconds
HCP - System Shutdown Command (CAN)	
HCP - ePT LOC Diagnostics Enable (CAN)	
HCP Propulsion system active (CAN)	
HV Sensor- Pack Voltage (U BAT P - U BAT M)	Volts
HV Sensor DC Link Voltage (U DC LINK)	Volts
HV Sensor - main fuse Voltage (U MAIN P - U MAIN M) - U DC LINK	Volts
OBCM Fuse Voltage (U MAIN P - U AUX FUSE)	Volts
APM Fuse Voltage (U MAIN P - U AUX REL)	Volts
HV Sensor - Battery Voltage - Positive contactor (U BAT P)	Volts
HV Sensor Battery Voltage Negative contactor (U BAT M)	Volts
HV Sensor - Weld Contactor Voltage - Positive contactor (U MAIN P)	Volts
HV Sensor - Weld Contactor Voltage - Negative contactor (U MAIN M)	Volts

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HV Sensor - U AUX FUSE	Volts
HV Battery Total Amp Hour Capacity (CAN)	AHr
HV Battery - Pack Isolation state (CAN)	
HV Battery Powertrain Isolation state (CAN)	
HV Sensor - Pack Voltage VALIDITY (CAN)	
HV Battery Total Amp Hour Capacity VALIDITY (CAN)	
BPCM MCU Reset Counter	
BPCM RAM Reset Counter	
BPCM ROM Reset Counter	
BPCM - Hall Current sensor supply voltage (5VQT1)	Volts
BPCM Precharge Penalty Timer (CAN)	seconds
BPCM RTC Circuit Status	
BPCM - HVBat Sleep Time	seconds
BPCM System Mode	No Unit
BPCM - HV Battery pack contactor request (CAN)	
BPCM HV Battery Pack contactor Open (CAN)	
BPCM HV Battery pack Contactor welded and impeded opening (CAN)	
BPCM - Crash Indication (CAN)	
BPCM Crash Indication VALIDITY (CAN)	
BPCM - Retention Status	
BPCM Active weld check type	
BPCM Current Category of Wearout Counter	
HV Contactor State - Positive Contactor	
HV Contactor State - Negative Contactor	
HV Contactor State - Precharge Contactor	
CSC Fault - Cn Pin Open	
CSC Fault - Cn Short to SWn	
CSC Fault - Auxiliary channel 1 Pin Open	
CSC Fault - Auxiliary channel 2 Pin Open	
CSC Fault - Measured result difference between Alternative path and Primary path is out of range	
CSC Fault - Balancing Switch Short	
CSC Fault - Balancing Switch Open	
CSC Fault - Alternate reference voltage is out of range	
CSC Fault - Vaa voltage is out of range	
CSC Fault - Level-shift amplifier offset voltage is out of range	
CSC Fault - Stuck ADC output bits verification with zero scale	
CSC Fault - Stuck ADC output bits verification with full-scale	
CSC Fault - Multiplexer Open/Short verification with single HVMUX test current source	
CSC Fault - Multiplexer Open/Short verification with both HVMUX test current sources	
CSC Fault - Measured result difference between Module voltage and Cell voltage summation	

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

CSC Fault - Vhv < Vhvuv

CSC Fault Vhv Vdcin > Vhvov

CSC Fault - Die Temperature is over the upper limit

CSC Fault Scanning for cell information is not complete

CSC Fault - ADC Data Path error

CSC Fault - Packet Error Check

CSC Fault Power on reset event occurred

CSC Fault - 32kHz oscillator frequency is not within +/-5% of its expected value

CSC Fault Same as Alrtosc1(redundant alert)

CSC Fault - Die Temperature is over the upper limit

CSC Fault Module number addressing is fail

CSC Fault Alive counter is not matched to the expected value

CSC Fault - PEC Bits in Data check byte error

CSC Fault Vhv V12 is too low

CSC Fault - Transmit data is not equal to read back data

CSC Diagnostics Initialization Status

FF FF FF FF

CSC Diagnostics CSC #01 Status

00 00 00 00

CSC Diagnostics - CSC #02 Status

00 00 00 00

CSC Diagnostics CSC #03 Status

00 00 00 00

CSC Diagnostics - CSC #04 Status

00 00 00 00

CSC Diagnostics CSC #05 Status

00 00 00 00

CSC Diagnostics CSC #06 Status

00 00 00 00

CSC Diagnostics - CSC #07 Status

00 00 00 00

CSC Diagnostics CSC #08 Status

00 00 00 00

CSC Diagnostics - AFE Internal Operation Mode

HVIL PWM Duty Cycle sink Vehicle

%

SBC Status

Vref UV Flag

Vref UV State

5UV count @open

5UV count @close

12dip count @open

12dip count @close

Pos HSD Feedback Voltage

Pos HSD Feedback Current

Neg HSD Feedback Voltage

Neg HSD Feedback Current

OCM Value Mon Curr Enrg Val

Retention Diagnosis Case

Retention Diagnosis Flag

Retention Diagnosis Status

mV

AMP

mV

AMP

Watt-Hr


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VEHICLE SCAN REPORT

 Vehicle [REDACTED]

ECU SUMMARY INFO

ECU	NAME	BUS TYPE	FLASH PART #	CURRENT VIN	ORIGINAL VIN	PART #
TCM	Transmission Control Module	CAN-C	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
PCM	Powertrain Control Module	CAN-C	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
ICS	Integrated Center Stack	CAN-I	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
TPM	Tire Pressure Monitor	CAN-C	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
RFH	Radio Frequency Hub	CAN-C	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
ESM	Electronic Shifter	CAN-C	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
DTCM	Drive Train Control Module	CAN-C	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
ORC	Occupant Restraint	CAN-C	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
EPS	Electric Power Steering	CAN-C	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
HVAC	Heat, Ventilation and A/C	CAN-I	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
CSWM	Comfort Seat Wheel Module	CAN-I	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
AMP	Amplifier	CAN-I	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
IPC	Instrument Panel Cluster	CAN-C	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
PTS	Parktronics	CAN-C	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
SCCM	Steering Column Control Module	CAN-C	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
BCM	Body Controller	CAN-C	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
RADIO	Radio	CAN-I	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
OCM	Occupant Classification	CAN-C	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
LBSS	Left Blind Spot Sensor	CAN-I	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
RBSS	Right Blind Spot Sensor	CAN-I	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

 Sess onID # [REDACTED]

BPCM	Battery Pack Control Module	CAN-C				
HCP	Hybrid Control Processor	CAN C				
AHCP	Auxiliary Hybrid Control Processor	CAN-C				
ABSO	Anti Lock Brakes OBD	CAN C				
SGW	Security Gateway Module	CAN-C				
DPDM	Driver Presence Detection Module	CAN-C				
DASM	Driver Assistance System Module	CAN C				
IDCM	Integrated Dual Charge Module	CAN-C				

ECU SUMMARY INFO (CONT.)

ECU	COUNTRY CODE	HARDWARE VERSION	SOFTWARE VERSION	IDENT	SERIAL NUMBER	CVNS
TCM	USA / USA					
PCM	USA					
ICS	USA					
TPM	USA					
RFH	USA / USA					
ESM	USA					
DTCM	USA					
ORC	USA					
EPS	USA					
HVAC	USA					
CSWM	USA					
AMP	USA					
IPC	USA					
PTS	USA					
SCCM	USA					
BCM	USA					
RADIO	USA					
OCM	USA					
LBSS	USA					
RBSS	USA					
BPCM	Rest of world / ROW					
HCP	USA					
AHCP	USA					
ABSO	USA					
SGW						

DPDM	USA				
DASM	USA				
IDCM	USA				

DTC SUMMARY

ECU	DTC CODE	DTC DESCRIPTION	STATUS
RADIO			Active
BPCM			Active

ENVIRONMENTAL DATA SUMMARY

RADIO | Active | CAN C Bus Off Performance-

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		miles
Most Recent Odometer Value		miles
Frequency Counter		
Ignition Counter		
RDI \$6080		
Event Counter		

BPCM | Active | Hybrid/EV Battery

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

Original Odometer Value		miles
Most Recent Odometer Value		miles
Frequency Counter		
Ignition Cycle Counter		
FoM - for this DTC (lifetime fails)		events
FoM - for this DTC (lifetime fails counts on pass)		seconds
FoM - for this DTC (lifetime longest fail on pass)		seconds
Battery Total Time Awake		seconds
Key in Ignition		
EPT -WakeUp		
HCP Contactor Command		
Contactor Status		
Plug in Status		
Balance Mode		
Vehicle Speed		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
DTC Extended Data Record Number All		
DTC Extended Data Record Number - 2		
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

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Cell Impedance Min Discharge	mOhms
HVIL Status Battery pack	
HVIL PWM Duty Cycle source - Vehicle	%
HVIL PWM Duty Cycle Source Battery	%
HVIL PWM Duty Cycle Sink - Battery	%
HVIL PWM Frequency source - Vehicle	Hz
HVIL PWM Frequency Sink Vehicle	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
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
Engine Speed	rpm
Accelerator position	%
GPS Date - Year	Year
GPS Date Month	
GPS Date - Day	Days
UTC Time Hours	Hours
UTC Time - Minutes	
UTC Time - Seconds	seconds

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

HCP - System Shutdown Command (CAN)	
HCP ePT LOC Diagnostics Enable (CAN)	
HCP - Propulsion system active (CAN)	
HV Sensor Pack Voltage (U BAT P - U BAT M)	Volts
HV Sensor - DC Link Voltage (U DC LINK)	Volts
HV Sensor - main fuse Voltage (U MAIN P - U MAIN M) - U DC LINK	Volts
BPCM Fuse Voltage (U MAIN P - U AUX FUSE)	Volts
APM Fuse Voltage (U MAIN P - U AUX REL)	Volts
HV Sensor Battery Voltage Positive contactor (U BAT P)	Volts
HV Sensor Battery Voltage - Negative contactor (U BAT M)	Volts
HV Sensor Weld Contactor Voltage Positive contactor (U MAIN P)	Volts
HV Sensor Weld Contactor Voltage Negative contactor (U MAIN M)	Volts
HV Sensor - U AUX FUSE	Volts
HV Battery Total Amp Hour Capacity (CAN)	AHr
HV Battery - Pack Isolation state (CAN)	
HV Battery Powertrain Isolation state (CAN)	
HV Sensor Pack Voltage VALIDITY (CAN)	
HV Battery Total Amp Hour Capacity VALIDITY (CAN)	
BPCM MCU Reset Counter	
BPCM - RAM Reset Counter	
BPCM ROM Reset Counter	
BPCM Hall current sensor supply voltage (5VQT1)	Volts
BPCM - Precharge Penalty Timer (CAN)	seconds
BPCM RTC Circuit Status	
BPCM - HVBat Sleep Time	seconds
BPCM System Mode	No Unit
BPCM - HV Battery pack contactor request (CAN)	
BPCM - HV Battery Pack contactor Open (CAN)	
BPCM HV Battery pack Contactor welded and impeded opening (CAN)	
BPCM - Crash Indication (CAN)	
BPCM Crash Indication VALIDITY (CAN)	
BPCM - Retention Status	
BPCM - Active weld check type	
BPCM Current Category of Wearout Counter	
HV Contactor State - Positive Contactor	
HV Contactor State Negative Contactor	
HV Contactor State - Precharge Contactor	
CSC Fault - Cn Pin Open	
CSC Fault Cn Short to SWn	
CSC Fault - Auxiliary channel 1 Pin Open	
CSC Fault Auxiliary channel 2 Pin Open	

CSC Fault - Measured result difference between Alternative path and Primary path is out of range

CSC Fault Balancing Switch Short

CSC Fault - Balancing Switch Open

CSC Fault Alternate reference voltage is out of range

CSC Fault - Vaa voltage is out of range

CSC Fault - Level-shift amplifier offset voltage is out of range

CSC Fault Stuck ADC output bits verification with zero scale

CSC Fault Stuck ADC output bits verification with full-scale

CSC Fault Multiplexer Open/Short verification with single HVMUX test current source

CSC Fault - Multiplexer Open/Short verification with both HVMUX test current sources

CSC Fault Measured result difference between Module voltage and Cell voltage summation

CSC Fault $V_{hv} < V_{hvuv}$

CSC Fault $V_{hv} - V_{dcin} > V_{hvov}$

CSC Fault Die Temperature is over the upper limit

CSC Fault - Scanning for cell information is not complete

CSC Fault ADC Data Path error

CSC Fault Packet Error Check

CSC Fault - Power-on reset event occurred

CSC Fault 32kHz oscillator frequency is not within $\pm 5\%$ of its expected value

CSC Fault - Same as Alrtosc1(redundant alert)

CSC Fault Die Temperature is over the upper limit

CSC Fault Module number addressing is fail

CSC Fault - Alive counter is not matched to the expected value

CSC Fault PEC Bits in Data check byte error

CSC Fault $V_{hv} - V_{12}$ is too low

CSC Fault Transmit data is not equal to read back data

CSC Diagnostics - Initialization Status

CSC Diagnostics - CSC #01 Status

CSC Diagnostics - CSC #02 Status

CSC Diagnostics - CSC #03 Status

CSC Diagnostics - CSC #04 Status

CSC Diagnostics - CSC #05 Status

CSC Diagnostics - CSC #06 Status

CSC Diagnostics - CSC #07 Status

CSC Diagnostics - CSC #08 Status

CSC Diagnostics AFE Internal Operation Mode

HVIL PWM Duty Cycle sink - Vehicle

%

SBC Status

Vref UV Flag

Vref UV State

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

5UV count @open	0	
5UV count @close	0	
12dip count @open	0	
12dip count @close	0	
Pos HSD Feedback Voltage	0	mV
Pos HSD Feedback Current	0.00	AMP
Neg HSD Feedback Voltage	0	mV
Neg HSD Feedback Current	0.00	AMP
OCM Value Mon Curr Enrg Val	0.10	Watt Hr
Retention Diagnosis Case		
Retention Diagnosis Flag		
Retention Diagnosis Status		

SNAPSHOT DATA SUMMARY

No Snapshot Data available for 

No Snapshot Data available for 