

ECU SUMMARY INFO

[illegible]

[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

ECU SUMMARY INFO (CONT.)

ECU	COUNTRY CODE	HARDWARE VERSION	SOFTWARE VERSION	IDENT	CVNS
TCM	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
PCM	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
ICS	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
TPM	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
RFH	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
ESM	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
DTCM	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
ORC	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
EPS	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
HVAC	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
CSWM	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
AMP	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
IPC	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
PTS	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
SCCM	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
BCM	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
RADIO	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
OCM	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
LBSS	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
RBSS	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
BPCM	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
HCP	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
AHCP	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
ABSO	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
SGW	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
DPDM	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
IDCM	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

DTC SUMMARY

ECU	DTC CODE	DTC DESCRIPTION	STATUS
TCM			
PCM			
DTCM			
EPS			
HMAC			
IPC			
IPC			
BCM			
RADIO			
BPCM			
HCP			
HCP			
ABSO			
ABSO			
IDCM			

ENVIRONMENTAL DATA SUMMARY

TCM

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

PCM

NAME	VALUE	UNITS
Number of DTC		
DTC		
DTC Readiness Flag		

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

DTC Storage State		
Warning Indicator Request State		
Odometer		miles
Accumulation Timer		minutes
Ignition Key Cycles		
Starts Since Set Counter		
Day Cycles Since DTC Last Set Counter		
Warm Up Cycles		
Good Trip Counter		

DTCM

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

EPS

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		

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

HVAC |

NAME	VALUE	UNITS
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		

IPC |

NAME	VALUE	UNITS
Test Failed		
Test Failed This Operation Cycle		
Pending DTC		
Confirmed DTC		
Test Not Completed Since Last Clear		
Test Failed Since Last Clear		
Test Not Completed This Operation Cycle		
Warning Indicator Requested		
DTC Extended Data Record Number - All		
Original Odometer Value		miles
Most Recent Odometer Value		miles
Frequency Counter		
Ignition Cycle Counter		

IPC |

NAME	VALUE	UNITS
Test Failed		
Test Failed This Operation Cycle		
Pending DTC		
Confirmed DTC		
Test Not Completed Since Last Clear		
Test Failed Since Last Clear		
Test Not Completed This Operation Cycle		
Warning Indicator Requested		
DTC Extended Data Record Number - All		

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

Occurrence flag		
Original Odometer Value		miles
Most Recent Odometer Value		miles
Frequency Counter		
Ignition Cycle Counter		

BPMI

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

RADIO

NAME	VALUE	UNITS
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BPCM

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

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

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		MPH
System (12) Volts at time of fault		Volts
Battery Lifetime AmpHrs of Charge		AHr
Battery Lifetime AmpHrs of Dis 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		
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		%

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

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
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		
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		
Vaa 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		

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

Multiplexer Open/Short verification with both HVMUX test current sources		
Measured result difference between Module voltage and Cell voltage summation		
Vhv - Vdcin > Vhvov		
Vhv < Vhvuv		
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 Alrtosc (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		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 | [REDACTED]

NAME	VALUE	UNITS
DTC		
Test Failed		
Test Failed This Operation Cycle		
Pending DTC		
Confirmed DTC		
Test Not Completed Since Last Clear		
Test Failed Since Last Clear		
Test Not Completed This Operation Cycle		
Warning Indicator Requested		
DTC Extended Data Record Number		
Occurrence flag		
[REDACTED]		miles
Most Recent Odometer Value		miles
Frequency Counter		
Ignition Cycle Counter		
Microcontroller reset reason - Core 0		

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

[REDACTED]	[REDACTED]	
Real time clock	[REDACTED]	sec
RAM stamps keyOn	[REDACTED]	sec
RAM Stamps	[REDACTED]	Min
Accelerator Pedal Position	[REDACTED]	%
Barometric Pressure	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	°F
Engine Speed	[REDACTED]	rpm
Vehicle Speed	[REDACTED]	MPH
HV Battery SOC	[REDACTED]	%
Brake Switch Status	[REDACTED]	
Battery Feed Voltage 1 Sense	[REDACTED]	Volts
Battery Feed Voltage 2 Sense	[REDACTED]	Volts
Battery Feed Voltage 3 Sense	[REDACTED]	Volts
Internal EPS Voltage Sense A	[REDACTED]	Volts
Internal EPS Voltage Sense B	[REDACTED]	Volts
Hybrid System State	[REDACTED]	
Actual Torque - Motor A	[REDACTED]	Ft-Lbs
Actual Torque - Motor B	[REDACTED]	Ft-Lbs
Available Motor Torque - Motor A	[REDACTED]	Ft-Lbs
Available Motor Torque - Motor B	[REDACTED]	Ft-Lbs
Available Regen Torque - Motor A	[REDACTED]	Ft-Lbs
Available Regen Torque - Motor B	[REDACTED]	Ft-Lbs
Commanded Torque - Motor A	[REDACTED]	Ft-Lbs
Commanded Torque - Motor B	[REDACTED]	Ft-Lbs
Motor A - Inverter Current - phase A	[REDACTED]	AMP
Motor A - Inverter Current - phase B	[REDACTED]	AMP
Motor A - Inverter Current - phase C	[REDACTED]	AMP
Motor B - Inverter Current - phase A	[REDACTED]	AMP
Motor B - Inverter Current - phase B	[REDACTED]	AMP
Motor B - Inverter Current - phase C	[REDACTED]	AMP
Motor A Resolver Angle	[REDACTED]	Degree
Motor B Resolver Angle	[REDACTED]	Degree
Motor A Temp Sensor	[REDACTED]	°F
Motor B Temp Sensor	[REDACTED]	°F
Outside Air Temperature	[REDACTED]	
Ignition State	[REDACTED]	
HCP ePT Wake-Up Output	[REDACTED]	
CBC Wake-Up Input	[REDACTED]	
EPT LOC Diag Enable	[REDACTED]	
Propulsion System Active	[REDACTED]	
HV Contactor Status	[REDACTED]	
HV Battery Voltage from BPCM	[REDACTED]	Volts
Electric Motor A Speed	[REDACTED]	rpm

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

Electric Motor B Speed		rpm
PIM DC Link Voltage - A		Volts
PIM DC Link Voltage - B		Volts
Inverter A IGBT Temperature for phase A		°F
Inverter A IGBT Temperature for phase B		°F
Inverter A IGBT Temperature for phase C		°F
Inverter B IGBT Temperature for phase A		°F
Inverter B IGBT Temperature for phase B		°F
Inverter B IGBT Temperature for phase C		°F
APM Status		
Impact Event		
PRND Position Display		
HCP System Shutdown Command		
PHEV Charging Status		
Distance Travelled with Light On		miles
OBCM Operating Mode		
J1772 Prox Detected State		
HV Battery Sleep Time		Days
SW Build Release Version		
HCP SW Version		
High Voltage bus voltage fault status		
HV Battery Voltage		Volts
HV Battery Voltage fault status		
APM HV Voltage		Volts
APM HV Voltage fault status		
ECH HV Voltage		Volts
ECH HV Voltage fault status		
EAC HV Voltage		
HV Battery Contactor Status FA		
DAP Contactor Open		
Heater HV Voltage		Volts
Air PTC Heater HV Voltage Fault Status		
DBK Heater HV Voltage		
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		
		Hours

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

UTC Time - Minutes

UTC Time - Seconds

seconds

ECU Time - Milliseconds

ms

HCP

NAME	VALUE	UNITS
ESC		
Test Failed		
Test Failed This Operation Cycle		
Pending DTC		
Confirmed DTC		
Test Not Completed Since Last Clear		
Test Failed Since Last Clear		
Test Not Completed This Operation Cycle		
Warning Indicator Requested		
DTC Extended Data Record Number		
Occurrence flag		
Original Odometer Value		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		%
Barometric Pressure		PSI
Engine Coolant Temperature		°F
Engine Speed		rpm
Vehicle Speed		MPH
HV Battery SOC		%
Brake Switch Status		
Battery Feed Voltage 1 Sense		Volts
Battery Feed Voltage 2 Sense		Volts
Battery Feed Voltage 3 Sense		Volts
Internal EPS Voltage Sense A		Volts
Internal EPS Voltage Sense B		Volts
Hybrid System State		
Actual Torque - Motor A		Ft-Lbs
Actual Torque - Motor B		Ft-Lbs
Available Motor Torque - Motor A		Ft-Lbs
Available Motor Torque - Motor B		Ft-Lbs
Available Regen Torque - Motor A		Ft-Lbs

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

Available Regen Torque - Motor B		Ft-Lbs
Commanded Torque - Motor A		Ft-Lbs
Commanded Torque - Motor B		Ft-Lbs
Motor A - Inverter Current - phase A		AMP
Motor A - Inverter Current - phase B		AMP
Motor A - Inverter Current - phase C		AMP
Motor B - Inverter Current - phase A		AMP
Motor B - Inverter Current - phase B		AMP
Motor B - Inverter Current - phase C		AMP
Motor A Resolver Angle		Degree
Motor B Resolver Angle		Degree
Motor A Temp Sensor		°F
Motor B Temp Sensor		°F
Outside Air Temperature		°F
Ignition State		
HCP ePT Wake-Up Output		
CBC Wake-Up Input		
EPT LOC Diag Enable		
Propulsion System Active		
HV Contactor Status		
HV Battery Voltage from BPCM		Volts
Electric Motor A Speed		rpm
Electric Motor B Speed		rpm
PIM DC Link Voltage - A		Volts
PIM DC Link Voltage - B		Volts
Inverter A IGBT Temperature for phase A		°F
Inverter A IGBT Temperature for phase B		°F
Inverter A IGBT Temperature for phase C		°F
Inverter B IGBT Temperature for phase A		°F
Inverter B IGBT Temperature for phase B		°F
Inverter B IGBT Temperature for phase C		°F
APM Status		
Impact Event		
PRND Position Display		
HCP System Shutdown Command		
PHEV Charging Status		
Distance Travelled with Light ON		miles
OBCM Operating Mode		
J1772 Prox Detected State		
HV Battery Sleep Time		Days
SW Build Release Version		
HCP SW Version		
High Voltage bus voltage fault status		
HV Battery Voltage		Volts

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

HV Battery Voltage fault status

APM HV Voltage		Volts
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APM HV Voltage fault status

ECH HV Voltage		Volts
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ECH HV Voltage fault status

EAC HV Voltage		Volts
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EAC HV Voltage fault status

HV Battery Contactor Status FA

DAP Contactor Open

Air PTC Heater HV Voltage		Volts
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Air PTC Heater HV Voltage Fault Status

DBK Heater HV Voltage		Volts
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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
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GPS Date - Month

GPS Date - Day		Days
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UTC Time - Hours

UTC Time - Minutes

UTC Time - Seconds		seconds
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ECU Time - Milliseconds		ms
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HCP |

NAME

Test Failed

Test Failed This Operation Cycle

Pending DTC

Confirmed DTC

Test Not Completed Since Last Clear

Test Failed Since Last Clear

Test Not Completed This Operation Cycle

Warning Indicator Requested

DTC Extended Data Record Number

Occurrence flag

Original Odometer Value		miles
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Most Recent Odometer Value		miles
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Frequency Counter

Ignition Cycle Counter

Microcontroller reset reason - Core 0

(6)

Microcontroller reset reason - Core 1		
Real time clock		sec
RAM stamps keyOn		sec
RAM Stamps		Min
Accelerator Pedal Position		%
Barometric Pressure		PSI
Engine Coolant Temperature		°F
Engine Speed		rpm
Vehicle Speed		MPH
HV Battery SOC		%
Brake Switch Status		
Battery Feed Voltage 1 Sense		Volts
Battery Feed Voltage 2 Sense		Volts
Battery Feed Voltage 3 Sense		
		Volts
Internal EPS Voltage Sense B		Volts
Hybrid System State		
Actual Torque - Motor A		Ft-Lbs
Actual Torque - Motor B		Ft-Lbs
Available Motor Torque - Motor A		
		Ft-Lbs
Available Regen Torque - Motor A		Ft-Lbs
Available Regen Torque - Motor B		Ft-Lbs
Commanded Torque - Motor A		
		Ft-Lbs
Motor A - Inverter Current - phase A		AMP
Motor A - Inverter Current - phase B		AMP
Motor A - Inverter Current - phase C		AMP
Motor B - Inverter Current - phase A		AMP
Motor B - Inverter Current - phase B		AMP
Motor B - Inverter Current - phase C		AMP
Motor A Resolver Angle		Degree
Motor B Resolver Angle		Degree
Motor A Temp Sensor		°F
Motor B Temp Sensor		°F
Outside Air Temperature		
Ignition State		
HCP ePT Wake-Up Output		
CBC Wake-Up Input		
EPT LOC Diag Enable		
Propulsion System Active		
HV Contactor Status		
HV Battery Voltage from BPCM		Volts
Electric Motor A Speed		rpm

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

Electric Motor B Speed		rpm
PIM DC Link Voltage - A		Volts
PIM DC Link Voltage - B		Volts
Inverter A IGBT Temperature for phase A		°F
Inverter A IGBT Temperature for phase B		°F
Inverter A IGBT Temperature for phase C		
		°F
Inverter B IGBT Temperature for phase C		°F
APM Status		
Impact Event		
PRND Position Display		
HCP System Shutdown Command		
PHEV Charging Status		
Distance Travelled with Light On		miles
OBCM Operating Mode		
J1772 Prox Detected State		
HV Battery Sleep Time		Days
SW Build Release Version		
HCP SW Version		
High Voltage bus voltage fault status		
HV Battery Voltage		
APM HV Voltage		Volts
APM HV Voltage fault status		
ECH HV Voltage		
EAC HV Voltage		Volts
EAC HV Voltage fault status		
HV Battery Contactor Status FA		
DAP Contactor Open		
Air PTC Heater HV Voltage		
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

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

UTC Time - Minutes

UTC Time - Seconds

seconds

ECU Time - Milliseconds

ms

ABSO |

NAME	VALUE	UNITS
DTC		
Test Failed		
Test Failed This Operation Cycle		
Pending DTC		
Confirmed DTC		
Test Failed Since Last Clear		
Test Not Completed This Operation Cycle		
Warning Indicator Requested		
Occurrence flag		
Controller Event		
Mirror Memory		
Undervoltage Suspected		
Original Odometer Value		miles
Most Recent Odometer Value		miles
Frequency Counter		
Ignition Cycle Counter		
		s
Current System Mode		
Wheel Speed Left Front		
Wheel Speed Right Front		MPH
Rotation Direction Right Front		
Wheel Speed Left Rear		MPH
Rotation Direction Left Rear		
Wheel Speed Right Rear		MPH
Rotation Direction Right Rear		
Steering Wheel Angle		
Longitudinal Acceleration		m/s ²
Yaw Rate		°/s
Supplier Internal Code		

ABSO |

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		
Mirror Memory		
Undervoltage Suspected		
Original Odometer Value		miles
Most Recent Odometer Value		miles
Frequency Counter		
Ignition Cycle Counter		
Fault Time		S
Current System Mode		
Previous System Mode		
Wheel Speed Left Front		MPH
Rotation Direction Left Front		
Wheel Speed Right Front		
Wheel Speed Left Rear		
		MPH
Rotation Direction Right Rear		
Steering Wheel Angle		°
Longitudinal Acceleration		m/s ²
Yaw Rate		°/s
Supplier Internal Code		

IDCM |

NAME	VALUE	UNITS
DTC		
Test Failed		
Test Failed This Operation Cycle		
Pending DTC		
Confirmed DTC		
Test Not Completed Since Last Clear		
Test Not Completed This Operation Cycle		
Test Failed Since Last Clear		
Warning Indicator Requested		
DTC Extended Data Record Number		
Occurrence flag		
Original Odometer Value		miles

Most Recent Odometer Value	8799	miles
Most Recent Odometer Value		
Ignition Cycle Counter		

SNAPSHOT DATA SUMMARY

[REDACTED]

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

ECU SUMMARY INFO

[illegible]

[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

ECU SUMMARY INFO (CONT.)

ECU	COUNTRY CODE	HARDWARE VERSION	SOFTWARE VERSION	IDENT	CVNS
TCM	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
PCM	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
ICS	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
TPM	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
RFH	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
ESM	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
DTCM	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
ORC	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
EPS	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
HVAC	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
CSWM	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
AMP	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
IPC	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
PTS	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
SCCM	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
BCM	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
RADIO	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
OCM	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
LBSS	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
RBSS	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
BPCM	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
HCP	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
AHCP	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
ABSO	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
SGW	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
DPDM	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
IDCM	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

CONFIGURATION**TCM CONFIGURATION**

NAME	VALUE	UNITS
ERS/Autostick/Tip Non-paddle on Shifter in D position equipped		
4WD with switchable Lo Range equipped		
FWD Equipped		
Sport Learn Enabled		
ERS/Autostick/Tip Non-paddle on Shifter in A or M position equipped		
ERS/Autostick/Tip Non-paddle on Steering Wheel equipped		
Shifter with Sport Mode Position Equipped		
Overdrive Off or Low 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
Secondary Mass Airflow Sensor Equipped		
Active Exhaust Pressure Sensor Equipped		
Active Exhaust Valve(s) Equipped		
Electronic Parking Brake Equipped		
High Side Port Tumble Valve Equipped		
Heater Temp Control Valve Equipped		
Aux Coolant Pump Heater Equipped		
Wastegate HBridge Equipped		
Remote Start Present		
Engine Oil Pressure Sensor Type		None
Hybrid MEC Shifter Equipped		
Engine Idle Shutoff Equipped		
Supercharger Equipped		
Cooled EGR Equipped		
PTO System Equipped		
Tank Equipped		
Auxillary Coolant Pump Equipped		
CNG Large Gas Tank Equipped		

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

A/C Relay Powered from Engine Switched Battery

Low Temp Radiator Coolant Pump Equipped

Dual Alternator Gen1 Capable

ZF 9-Speed Trans Equipped

1.8 Liter W14 engine

Wastegate H-Bridge Equipped

AC Equipped Over Bus

1.0 Liter J3 Engine

Mechanical Coolant Pump Heater Equipped

Air Shutoff Valve Bank 1 Control Solenoid 1 Equipped

Port Flap Valve Equipped

Active Exhaust Valve Equipped

AC Equipped

Transmission Software Included

Operator Idle Speed Request Equipped

Air Shutoff Valve Bank 1 Control Solenoid 2 Equipped

1 Speed Fan Mechanical Relay System Equipped

Unleaded Gasoline Fuel

40TE / 41TE / 41TEA

Throttle Inlet Temp Sensor Equipped

Rear Heater Equipped

Vehicle Speed Sensor #1 Calculated by ECU

VLP Equipped Indicator

Knock Sensor 1 Equipped

Humidity, Temperature and Pressure Sensor (LIN) Equipped

Continuous Variable Transmission Equipped

Knock Sensor 2 Equipped

Engine Stop Start Equipped

Adaptive Cruise Control Equipped

Wide Range O2 Sensor 1/1 Equipped

Starter Relay 2 Equipped

Linear EGR Equipped

Hybrid Electric Vehicle Equipped

66RFE / 68RFE

Buffered Crank Output for ANC (Active Noise Cancellation) Equipped

3.2 Liter V6 Engine

Electronic Throttle Control Equipped

O2 Sensor Bank 2 Sensor 1 Equipped

3.0 Liter V6 Engine

Brake Pedal Sensor Equipped

Wide Range O2 Sensor 2/1 Equipped

3.8 Liter V6 Engine

O2 Sensor Bank 2 Sensor 2 Equipped

MTV Solenoid Equipped

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

Barometric Sensor Equipped

62TE

Unleaded diesel fuel

WI4 Intake Flow Control Valve Equipped

CUSW PROXI Write Programming Support Enabled

ZF 9-Speed Transmission Equipped

Secondary Air Equipped

4.0 Liter I6 Engine

Auxiliary Heater Electric Water Pump Equipped

CUSW (11-BM) Equipped

Shift Indicator Lamp Equipped

Sensorless FFV Enabled

Battery Temp Sensor Equipped

Dual Stage Oil Pump Equipped

TIP Equipped

Coolant On-Off Pump Equipped

Power Steering Switch Equipped

Active Grille Shutter Equipped

6.1 Liter V8 Engine

Adaptive Cruise Control Hardware Equipped

Powernet Equipped

6.4 Liter V8 Engine

O2 Sensor Bank 1 Sensor 3 Equipped

EMAT (Getrag DCT transmission) Equipped

3.7 Liter V6 Engine

Dual Fuel Pressure Sensor Equipped

Turbine Volute Valve Actuator Equipped

Exhaust Cam 1 Equipped

Secondary Fuel Pump Equipped

ETC Cruise equipped

4.7 Liter V8 Engine

Engine Idle Shutoff Equipped

Variable Speed Fuel Pump Equipped

Brushless PWM Fan Equipped

Variable Displacement AC Equipped

Police Package Equipped

2.0 Liter WI4 engine

Dual Speed Fuel Pump Equipped

Coolant On-Off Valve Equipped

Dual Fuel Tank Equipped

Cummins Equipped

Duty Cycle Purge Valve Equipped

Active Exhaust Pressure Sensor Equipped

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

O2 Sensor Bank 1 Sensor 1 Equipped

Constant Heater Temperature Control Valve Equipped

Clutch Interlock Switch Equipped

Inrush Current Reduction Relay Equipped

PTO System Equipped

HPT 6-Speed Transmission Equipped

Cooled EGR Equipped

42RLE

O2 Sensor Bank 1 Sensor 2 Equipped

6.2 Liter V8 Engine

SRV Equipped

MDS Equipped

5.7 Liter V8 Engine

Electric Thermostat Heater Equipped

Intake Cam 1 Equipped

VMM Equipped

VLP Is Learnable Indicator

Air Shutoff Valve Bank 2 Control Solenoid 2 Equipped

Fan Wake Up Relay System Equipped

CUSW (29-Bit) Equipped

A/C Equipped

Supercharger Equipped

2 Speed Fan 3 Driver 3 Relay System Equipped

Auxiliary Coolant Pump Heater Equipped

DUAL_ALTERNATOR_GEN1_LEARNEDCOPY

Fiat 940 Compact Equipped

3.5 Liter V6 Engine

Transmission Oil Heater Equipped

Aisin 6-Speed RWD Transmission Equipped

Trans Reverse Lockout Equipped

Turbocharger Equipped

ERS Equipped Indicator

3.3 Liter V6 Engine

2 Speed Fan Mechanical Relay System Equipped

Yaw Rate Sensor ESC Equipped

Electric Coolant Valve Equipped

MultiAir Equipped

TOOLCONFIG_OIL_PRESS_ABS_EQUIPPED

Linear PWM Fan Relay System Equipped

Fixed displacement AC Equipped

GPEC3 Equipped

4 Speed Automatic Transmission Equipped

Linear Purge Equipped

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

Buffered Crank Output for PHEV Engine Pulse Calculation Equipped

Trans Skip Shift Equipped

Electronic Vacuum Pump Equipped

VFS Actuators Available Indicator

Electronic Automatic Transmission (EATX) Equipped

GPEC2A Equipped

Active Engine Mount Equipped

3.6 Liter V6 Engine

45RFE / 44RFE / 65RFE

CMCV H-Bridge Equipped

Electronic Coolant Pump Equipped

[REDACTED]

Tumble Generator Valve Equipped

Auxiliary Coolant Pump Equipped

WI4 Variable Valve Timing Equipped

GPEC4 Equipped

Next Gen Bus Equipped

Fiat VIN Learning Strategy Equipped

PWM Fan Motor System Equipped

Primary Lin Alternator Equipped

Compressed Natural Gas Equipped

ESIM Equipped

ICC Cruise Equipped

Electric Water Pump Equipped

GPEC2 Equipped

Intake Cam 2 Equipped

4 Button Integrated Cruise Control

High Side Port Tumble Valve Equipped

[REDACTED]

Viscosity Sensor Equipped

3 Speed Fan Mechanical Relay System Equipped

2 Speed Fan PWM Relay System Equipped

2.4 Liter WI4 engine

Exhaust Cam 2 Equipped

Engine Oil Heater Cooler Equipped

Engine Software In Package

Oil Pressure Sensor Enabled

Primary Lin Alternator Equipped

[REDACTED] Off Pump Equipped

2.0 Liter I4 Direct Injection Engine

1.0 Liter I3 Engine

Variable Valve Lift Equipped

INTAKE O2 SENSOR EQUIPPED

Throttle Inlet Temp Sensor Equipped

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

Cylinder Pressure Sensor Equipped

Dual Fuel Pressure Sensor Equipped

Brake Pedal Sensor Equipped

Make Up Air Sensor Equipped

Power Steering Angle Sensor Mandatory

6 Button Cruise (LIN) Equipped

Bi-Directional Crank Sensor Equipped

Clutch Sensor Equipped

LIN Humidity, Temp, and Pressure Sensor Equipped

Airflow System 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	UNITS
Back Up Vehicle Config 4		
Back Up ECU Configuration 6		

Back Up ECU Configuration 5

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

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 14

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

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

DTCM CONFIGURATION

ORC CONFIGURATION

[illegible]

Passenger Frontal Squib 2		
Passenger Frontal Squib 1		
Passenger Seatbelt Buckle Pretensioner		
Right Side Seat Squib 1		
Driver Seat Track Position Sensor		
Passenger Airbag Disable Indicator		
Driver Frontal Squib 4		
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 D-Pillar Impact Acceleration Sensor		
Second Row Left seat belt Switch		
Driver Seatbelt Buckle Pretensioner		
Passenger Knee Bolster Squib		
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 heater only (3Knob)		
Single Zone MTC Control		
Dual Zone MTC Control		
DualZone ATC Control (Factory)		
MTC With EBL (3Knob)		

AMP CONFIGURATION

NAME	VALUE	UNITS
------	-------	-------

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

IPC CONFIGURATION

NAME	VALUE	UNITS
Main Fuel Tank Gauge - 3/4 Datum Calibration		Volts
Main Fuel Tank Gauge - 1/4th Datum Calibration		Volts
Main Fuel Tank Gauge - 1/2 Datum Calibration		Volts
Main Fuel Tank Gauge - Empty Stop Calibration		Volts
Main Fuel Tank Gauge - Full Stop Calibration		Volts
Sub Fuel Tank Gauge - 1/2 Datum Calibration		Volts
Sub Fuel Tank Gauge - 1/4 Datum Calibration		Volts
Sub Fuel Tank Gauge - 3/4 Datum Calibration		Volts
Sub Fuel Tank Gauge - Full Stop Calibration		Volts
Sub Fuel Tank Gauge - Empty Stop Calibration		Volts
PHEV		
Rear Fog Lamp		
JT Vehicle		
Low Line Cluster		

PTS CONFIGURATION

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

SCCM CONFIGURATION

NAME	VALUE	UNITS
Rear Wiper		
Cruise Control / ACC		
Tilt Telescope		

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

BCM CONFIGURATION

NAME	VALUE	UNITS
Number of Reprogramming Attempts - Counter #0		
Last Programmed Status		
Vehicle Configuration Programmed Status		
ECU Configuration 6 (Brake)		
Vehicle Configuration 4 - Write Counter		
Vehicle Configuration 3 - Write Counter		
ECU Configuration 3		
Vehicle Configuration 6 - Write Counter		
ECU Configuration 5 (Wireless)		
Programmed Network Configuration - Audio / Telematics Network		
ECU Configuration 7 (CBC Exterior Lighting Calibrations)		
ECU Configuration 10		
ECU Configuration 4		
ECU Configuration 2 (CBC Features)		
ECU Configuration 14		
ECU Configuration 15 (CBC Features)		
Last Configuration Odometer		miles
ECU Configuration 5 (Memory)		
ECU Configuration 9 (ITM)		
ECU Configuration 5 (Doors)		
Vehicle Configuration Auto Write Counter		
ECU Configuration 12		
Vehicle Configuration 2 - Write Counter		
Programmed ECUs: P/T Chassis Network		
ECU Configuration 15 (Suspension)		
ECU Configuration 6 (Safety)		
ECU Configuration 9A		
Vehicle Config CSM1		
ECU Configuration 11		
Programmed ECUs: Cabin Network		
Vehicle Configuration 1 - Write Counter		
ECU Configuration 1 (CBC Configurable Inputs and Outputs)		
Programmed ECUs: Hybrid LAN Network		
ECU Configuration 8 (LIN and Miscellaneous)		
ECU Configuration 6 (Powertrain)		
Vehicle Configuration 7 - Write Counter		
Vehicle Configuration 5 - Write Counter		
ECU Configuration 6 (Suspension)		
ECU Configuration 13		
Vehicle Config CSM2		
Remote Start Present		
Auto Highbeam		

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

PTS Configuration	[REDACTED]	
Vehicle Line	[REDACTED]	
Maximum Vehicle Speed	[REDACTED]	MPH
Select Speed Control Feature Present	[REDACTED]	
Emode Present	[REDACTED]	
Body Style	[REDACTED]	
Country Code	[REDACTED]	
Model Year	[REDACTED]	
Drive Configuration	[REDACTED]	
Hill Descent Feature Present	[REDACTED]	
[REDACTED]	[REDACTED]	
Special Packages	[REDACTED]	
[REDACTED]	[REDACTED]	
[REDACTED]	[REDACTED]	
[REDACTED]	[REDACTED]	
[REDACTED]	[REDACTED]	
Off Road Capable	[REDACTED]	
Thatcham Present	[REDACTED]	
Max Load Inflation Pressure Front Tire	[REDACTED]	PSI
Power Inverter Type	[REDACTED]	
Full Size Spare	[REDACTED]	
[REDACTED]	[REDACTED]	
Max Load Inflation Pressure Rear Tire	[REDACTED]	PSI
Light Load Inflation Pressure Rear Tire	[REDACTED]	PSI
Air Conditioning Present	[REDACTED]	
SKIM System Present	[REDACTED]	
Cruise Feature is Present	[REDACTED]	
Power Lift Gate Present	[REDACTED]	
T-Case Type	[REDACTED]	
Vehicle is an SRT	[REDACTED]	
HVAC Configuration	[REDACTED]	
Liftgate/Trunk Type	[REDACTED]	
Window Express Feature Configuration	[REDACTED]	
Keyless Go Present	[REDACTED]	
High Intensity Discharge Head Lamps	[REDACTED]	
Door Alert Feature Present	[REDACTED]	
Interior EC Mirror Present	[REDACTED]	
ELV Present	[REDACTED]	
Power Left Sliding Door Present	[REDACTED]	
Sunshade Present	[REDACTED]	
Premium TPM system present	[REDACTED]	
Base TPM system present	[REDACTED]	
Auto Headlamp Feature Present	[REDACTED]	
Disable Display of Radio Clock	[REDACTED]	

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

Two Fuel Sending Units Present		
Wheel Base		
Collision Mitigation System present		
Passive Entry Present		
Sport Mode Present		
ESCL system present		
Secondary Lock Present		
Auto Park Present		
Adjustable Pedal Feature Present (non-Memory)		
Paddle Shift Feature Present		
Fuel Capacity		gallons
RKE System Present		
FOBIK Safe Enable		
Power Right Sliding Door Present		
Forward Collision Warning present		
Police Lighting Feature		
Display Compass Heading Present		
Chassis Type		
Vehicle Brand		
Display Outside Temperature Present		
Dynamic Tire Circumference (All or Rear)		inch
Transfer Case High Ratio		No Unit
Transfer Case Low Range Reduction Ratio		
Axle Ratio		
Dual Rear Wheel (DRW) Vehicle Present		
Steering Ratio at Positive Angle 2		No Unit
Steering Ratio at Positive Angle 4		No Unit
Steering Ratio at zero		No Unit
Steering Ratio at Positive Angle 1		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		
Air Quality System Present		
Analog Door Sensor Configuration		
Steering Ratio at Negative Angle 1		No Unit
Steering Ratio at Negative Angle 4		No Unit
Steering Ratio at Negative Angle 5		No Unit
Steering Ratio at Negative Angle 3		No Unit
Steering Ratio at Negative Angle 2		No Unit
Rear Turn Lamps Output Present - Pin E3 & F42		
Hood Ajar Switch Input Present - Pin A11		
Ambient Temperature Sensor Present - Pin D22		
VTA Warning LED Output Present - Pin G22		
Right Dedicated DRL Lamp Output Present - Pin A22		

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

Diesel Cabin Heater #3 Output Present - Pin D10

Reserved - Pin E21

Reserved - Pin E15

Diesel Cabin Heater #1 Output Present - Pin D11

Inverter Enable Relay Output Present - Pin F35

Rear Fog Lamps Output Present - Pin E39 & F5

Steering Markers Output Present - Pin A10 & D5

Trailer Backup Lamps Output Present - Pin E23

Reserved - Pin F4

Reserved - Pin D12

Park Brake Input Present - Pin E11

Ambient Light Dimmer Wheel Input Present Pin G9

Reserved - Pin E47

Left Rear Door Ajar Input Present - Pin F23

Front Driver Analog Door Ajar Input Present - Pin F9

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

Foot Well Lamps Output Present - Pin G2

UGDO Feed Output Present - Pin G15

Diesel Cabin Heater #2 Output Present - Pin D9

Reserved - Pin D20

Reserved - Pin E35

Starter Relay Lowside Coil Drive - Pin D7

Passenger Door Ajar Signal Present - Pin G18

Low Beam Output Present - Pin A3, D2

Left Dedicated DRL Lamps Output Present - Pin D15

Reserved - E20

Gated Park ZFI Output Present - Pin D-24

Hard Top Sense Present - Pin E14

Rear Wiper Motor Park Present - Pin E29

Reserved - F21

Flipper Glass #2 Output Present

Front Fog Lamps Output Present - Pin A1 & D13

Rear Park Lamps Output Present - Pin E4 & F32

Horn Switch Input Present - Pin F29

Headlamp Washer Low Fluid Shut-Off Enable

DRL Lamp Location

LED License Lamps Present

Front Wiper Wipes After Wash

Front Fog Lamp Dropout Enable

Tip Start Enabled

Headlamp Wash Shot

Side Repeaters Enable

Quad Headlamps Enable

LED Front Fog Lamps Present

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

Combined Rear Lighting Enable		
Door Lock Switch Signal FT LT Usage (F9)		
Hazard Lamp Configuration		
LED Rear Turn Lamps Present		
LED Front Park/Marker Lamps Present		
Military Vehicle Present		
LED High Beam Lamps Present		
Front Wiper Park Enable		
Tunnel Detection		
LED Dedicated DRL Present		
One Touch Lane Change		
LED Stop Lamps Present		
Horn Chirp Allowed		
LED Front Turn Lamps Present		
Door Lock Switch Signal FT RT Usage (F20)		
Trailer Tow Present		
Exterior Light Loadshed Enable		
Park Lamp Loadshed Enable		
DRL Configuration		
LED Low Beam Lamps Present		
LED Rear Fog Lamps Present		
Rear Wiper Park Enable		
Intermittent Wiper States		
LED CHMSL Lamp Present		
LED Reverse Lamps Present		
LED Tail Lamps Present		
Dual Start Relay System Present		
Reversible Washer Pump Enable		
Bi Xenon Headlamps Enable		
CTP Max AC Present		
DTV Front Camera Present		
Microphone Type		
DAB Present		
VIN Check Digit Diable		
Hill Descent Control Present		
Disable CD Eject		
Vehicle Theft Alarm Present		
Front Park Assist Present		
External Port Type		

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

Destination		
Cabin Equilization Curve Number		
Radio Display On/Off Softkey Present		
Front Heated Seats Present		
Hill Start Assist Customer Setting Option Present		
DTV Side Camera Present		
Radio Apps Present		
Surround Sound Feature Present		
Rear Camera Present		
Tow Haul Present		
Antenna Type		
Hybrid Electric Powertrain Present		
Power Door Locks Present		
Microphone Tuning Parameter		
CTP Auto Lock Disable		
CTP Easy Entry Enable		
Power Inverter Present		
SDAR Travel Link Present		
CTP Passive Entry Present		
Microphone Configuration		
Front Ventilated Seats Present		
Splashscreen Type		
Heated Steering Wheel Present		
Gear Shift Indicator		
Rear Wheel Dually		
ERS Available		
AMB Dimmer		
Service Interval		
Temperature Celsius for UK		
Speedometer Range Max Scale		
Split Shaft Present		
Max Gear		
PTO Present		
IC Config Feature		
Virtual Speedometer Units		
Heated Seat Present		
Manual Headlamp Leveling		
Type of Gallons		
Tip Start Present		
AP2 Right Front		
AP5 Trunk Lock		
Airport Scenario Trunk Set		
AP3 Left Rear		

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

AP4 Right Rear		
Puddle Lamp Present		
Mirror turn signals present		
Window Hall Sensors Present		
Passenger Window Lockout		
Driver Memory Mirrors Present		
Auto Power Folding Mirrors Present		
Tow Mirror Present		
Rear Door Pre Short Drop		
Blindspot Mirror Present		
Electro-chromatic passenger mirror present		
Global Down		
Folding mirrors present		
Frameless Window Present		
Window Motor Type		
Passenger Memory Mirror Present		
Heated Mirrors Present		
Sun Shade		
Global Up		
Front Vented Seats Present		
Rear Heated Seats Present		
Memory Adjustable Pedals Present		
Front Heated Seat Present		
Memory Seat Present		
Rear Vented Seats Present		
Heated Wheel Material Type		
Tilt/Telescope Steering Present		
Heated Seat Material Type		
Heated Steering Wheel Present		
Brake System ECU Configuration B		
Wheel 18 inch overall ESC Maserati		
Brake System ECU Configuration A		
ECO Mode Configuration		
Dual Alternator Present		
CHMSL Lamp Output Disable		
Manual Door Locks Present		
Secondary Door Ajar Present - Pin E28		
Auto High Beam Module Location		
Swing Gate Unlock Present - Pin F33		
Rain Sensor Module #2 Present		
Rear Fog Voltage		Volts
Front Fog Voltage		Volts

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

Excess Longitudinal Acceleration Factor	-	
Steering Smoothing Duration		
Average Last Lateral Acceleration Values		
Brake Smoothing Duration		
Acceleration Threshold		
Acceleration Factor		
Brake Smoothing Threshold		
Nose Dive Threshold		
Steering Smoothing Factor		
Nose Dive Factor		
Steering Smoothing Threshold		
Excess Lateral Acceleration Factor		
Maximum Longitudinal Change		
Brake Smoothing Factor		
Average Last Longitudinal Acceleration Values		
RKE Auto-Relock Feature Enable		
ASBM Minimum Voltage Time		
		Volt
PE Auto-Relock Feature Enable		
ASBM Battery Minimum Voltage		
Horn Chirp Duration		
Parking Light Enable		
Pitch and Roll Present		
Interior Lighting Day Threshold		Volt
VTA Hood Ajar Monitoring		
Suspension Type		
AGS Feature Present		
Axle Locker Configuration		
PTC Present		
Park Brake Type		
Hybrid Type		
Transmission Equipped		
Glovebox Control		
TPMS Configuration		
Temperature Display Resolution		
ADR feature Present		
Glare Free Present		
Easy exit seat customer settings menu		
Blind spot alert customer settings menu		
Auto door lock customer settings menu		
Rear view camera gridlines customer settings menu		

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

Compass variance customer settings menu

Power unit customer settings menu

Rain sensitive wipers customer settings menu

Illuminated approach customer settings menu

Pressure unit customer settings menu

Headlamp drop customer settings menu

Auto high beam customer settings menu

Power liftgate chime customer settings menu

Unit set customer settings menu

Electric power steering customer settings menu

Auto park customer settings menu

Headlamp off delay customer settings menu

Tire jack mode customer settings menu

Power accessory delay customer settings menu

Auxiliary switches customer settings menu

Air suspension warning customer settings menu

Clock display customer settings menu

Passive entry customer settings menu

Performance shift enable customer settings menu

Distance unit customer settings menu

Power take off customer settings menu

Headlamps on with wiper customer settings menu

Consumption unit customer settings menu

Lane departure warning customer settings menu

Park assist rear volume customer settings menu

Rear camera customer settings menu

Forward collision warning customer settings menu

Park assist brake customer settings menu

Auto entry exit mode customer settings menu

Lane departure torque customer settings menu

Ambient dimmer customer settings menu

Compass calibration customer settings menu

Automatic aero mode customer settings menu

Park assist front volume customer settings menu

Park assist customer settings menu

EPB service mode customer settings menu

Teen Key Fuel Pop-up Customer Settings Menu

Teen Key Automatic High Beam Customer Settings Menu

Rear view camera delay customer settings menu

Passenger Airbag On/Off Customer Settings Menu

RKE unlock customer settings menu

Speed unit customer settings menu

Doors and Engine Off Power Delay Customer Settings Menu

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

Forward Collision Warning and Brake Customer Settings Menu		
Tilt mirror in reverse customer settings menu		
Torque unit customer settings menu		
Clari-Fi Present		
Radio Speaker Open Circuit Disable (RF)		
Radio Speaker Open Circuit Disable (LF)		
OPV Present		
Surround View Camera On/Off Softkey Present		
Auto Dimming Mirror Hard Button Present		
Rear Defrost and Heated Mirrors Present		
Radio Speaker Open Circuit Disable (LR)		
Tri-State Comfort Climate Softkey Function Present		
Automatic Crash Notification Feature Present		
Show Phone Information in Cluster		
ANC Calibration Parameter Data Set		ms
Radio Speaker Open Circuit Disable (RR)		
Drive Mode Version		
Trailer Hitch Camera Present		
Park Assist Tuning Set		
Right Front Corner Voltage		
Left High Beam Voltage Regulation		
Left Rear Corner Voltage		
Left Front Corner Voltage		
Right Low Beam Voltage Regulation		
Signature Light Present		
Right Rear Corner Voltage		
Dual Filament Headlamp		
Auto Headlamp On Threshold		Volt
Front Turn Lamp Diagnostics		
Left Low Beam Voltage Regulation		
Auto Headlamp Off Threshold		Volt
Right High Beam Voltage Regulation		
Tilt		
Siren		
Ultrasonics		
Manual Trans Present		
Washer Fluid Level Voltage Threshold		
Illuminated Approach Taillamp Target Percentage		
Illuminated Approach Headlamp Target Percentage		
IBS Present		
DC to DC Converter #2 Present		
EVIC Switch Module Present		
CRVMM Present		
Humidity Sensor Present		

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

[REDACTED]		
Compass Mounting Orientation	[REDACTED]	
Auto Relock Time	[REDACTED]	seconds
DC to DC Converter Present	[REDACTED]	
Compass Mounting Angle	[REDACTED]	Degree
Illuminated Approach Interior Lighting Target Percentage	[REDACTED]	
Illuminated Approach Interior Lighting Ramp Up Time	[REDACTED]	
ASBM Present	[REDACTED]	
VTA System Present	[REDACTED]	
ASBMM Present	[REDACTED]	
Speedometer Tolerance	[REDACTED]	
Steering C Factor	[REDACTED]	
Increasing speed constant	[REDACTED]	
Tachometer Type	[REDACTED]	
Passenger Kneebag Present	[REDACTED]	
ODS Present	[REDACTED]	
Driver Kneebag Present	[REDACTED]	
BUX vehicle	[REDACTED]	
Integrated EPP Present	[REDACTED]	
2nd Row Seat Airbags Present	[REDACTED]	
Passive Ped Pro Present	[REDACTED]	
Curtain Airbags Present	[REDACTED]	
Tow Hooks Present	[REDACTED]	
Reserved	[REDACTED]	
Reserved	[REDACTED]	
ANC	[REDACTED]	
PCM	[REDACTED]	
OCM	[REDACTED]	
ASBS	[REDACTED]	
SGW	[REDACTED]	
ITBM	[REDACTED]	
ABS	[REDACTED]	
AFLS	[REDACTED]	
ORC	[REDACTED]	
AHLM/AFLS	[REDACTED]	
ESM	[REDACTED]	
DPDM	[REDACTED]	
ELSD	[REDACTED]	
IPC	[REDACTED]	
TPM	[REDACTED]	
SCCM	[REDACTED]	
EPS	[REDACTED]	
ASCM	[REDACTED]	
DTCM	[REDACTED]	

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

PTS		
TCM		
BCM (PT)		
RFH		
Heated Mirrors Present		
[REDACTED]		
Front Defrost Presence		
AMP		
TBM		
HVAC_R		
RBSM		
LBSM		
EDM		
Radio		
PTCM		
BCM (Interior Bus)		
HSM		
ITM		
HVAC		
Right High Beam Present - Pin A2		
Left Rear Turn Lamp Diagnostics Present - Pin F27		
Stop/Turn Lamp or Stop Lamp Present Pin E2 & F40		
Signature Lamps or Mirror Repeater Present - Pin A5 & Pin A7		
Brake Fluid Level Switch Signal Present - Pin D21		
Backup Reverse Lamp Left Present - Pin F41		
Left Front Lamp Diagnostics Present - Pin F25		
Right Front Lamp Diagnostics Present - Pin F28		
Left High Beam Present - Pin D1		
Right Rear Turn Lamp Diagnostics Present - Pin F31		
Backup Reverse Lamp Right Present - Pin E1		

RADIO CONFIGURATION

NAME	VALUE	UNITS
Compass on the bus messaging Authorization		
GPS on the Bus messaging Authorization		
Satellite Subscription Suspend Day		
Satellite Subscription Reason Code		
Satellite Subscription Suspend Year		
Satellite Subscription Suspend Month		
Satellite Subscription Status		
Satellite Subscription ID		
Aux Jack		
USB Hubs Detected		No Unit
SD Card Readers Detected		No Unit

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

Enumerated USB Devices	█	No Unit
DTV Short Term Configuration	—	
911 Button	█	
SDARS	█	
Internal CD Player	█	
Application Framework	█	
Bluetooth	█	
Navigation Active	█	
FM Diversity	█	
Cellular	█	
Wi-Fi	█	
Splash Screen	█	
Anti-Theft Enable Status	█	
Automated Loudness	█	
Front Seat Video Playback	█	
Clock Defeat	█	
Cabin EQ Curve Number Currently Used by Radio	█	
12/24 Time Selection	█	

LBSS CONFIGURATION

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

RBSS CONFIGURATION

NAME	VALUE	UNITS
Teen Key	█	
Steering (LHD/RHD)	█	

ABSO CONFIGURATION

NAME	VALUE	UNITS
Trans Type	█	
█	█	
Displacement	█	No Unit
Hybrid Type	█	
Vehicle Line Identification	█	
Chassis Type	█	
█	█	Unit
Tire Circumference	█	inch

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


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FREEZE FRAME REPORT

FREEZE FRAME DATA

Carb
CODE:

NAME	VALUE	UNITS
Turbo Boost Timer		
Freeze Frame Caused by DTC		
Catalyst Temp		
MAP Voltage		
MAP		
AC Clutch		
Phi Adaption Value		
Commanded Equivalence Ratio		
Freeze Frame DTC Priority		
Throttle Outlet Temp		°F
Low Ethanol PWR Enrich Flag		
		PSI
Mass Airflow Rate		g/s
Purge Solenoid Current		mA
Fuel Type Being Used		
Commanded EGR Duty Cycle		%
Throttle Inlet Pressure		g
		g
Air Charge Temp - Bank 1		°F
PCM Mileage Since MIL On		miles
Intake Air Charge Temp		°F
Ethanol Trigger On Fuel Vol Fault		
TPS 2 Voltage		Volts
Spark Advance		degrees
ETC Motor Duty Cycle		%DC
Absolute Load Value		%
TPS 1 Voltage		Volts

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

Short Term Fuel Trim - Bank 1		%
Current Adaptive Cell ID		
Freeze Frame MAP Vacuum		in Hg
Long Term Fuel Trim - Bank 1		%
Turbo Airport Mass Flow		g/s
Throttle Flow Multiplicative Adaptive		Mult
APP Pedal Percent		%
Turn Torque Count		Counts
H-Bridge Circuit		
		PRatio
EGR Error		
Brake Switch 1		
APP 1 Voltage		Volts
Closed Loop - Bank 1		
Fuel Rail Pressure		PSI
AC Switch		
Commanded Throttle Actuator Control		%
Ethanol Fine Tune Complete Prev		
Brake Switch Pressed		
Freeze Frame Engine Coolant Temp		°F
PCM Odometer		miles
Closed Loop with DTC - Bank 1		
Time Since Run / Start		seconds
Engine Load		%
Ignition Run/Start Switch		
Engine RPM		rpm
Fuel Level Percent		%
Fuel Rail Pressure		kPa
Purge Duty Cycle		%
Control Module Volts		V
Potential Torque		Ft-Lbs
Barometric Pressure		PSI
ETC Motor Directional Duty Cycle		%DC
Relative Throttle Position		
		°F
Brake Switch 2		
Vehicle Speed		MPH
Low Ethanol Therm Mgmnt Flag		
Battery Voltage		Volts
APP 2 Voltage		Volts
Fuel Tank Pressure		Pa
Ethanol Gas For Sure		
Actual Torque		Ft-Lbs

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

Ambient Air Temperature

°F

Freeze Frame #1

CODE: [REDACTED]

NAME	VALUE	UNITS
Calculated MAP	[REDACTED]	PSI
Actual Torque	[REDACTED]	Ft-Lbs
Fuel Rail Pressure	[REDACTED]	kPa
Current Adaptive Cell ID	[REDACTED]	
Throttle Flow Adaptive	[REDACTED]	g/s
Engine Coolant Temperature	[REDACTED]	°F
Mass Airflow Rate	[REDACTED]	g/s
Alcohol Fuel Percent	[REDACTED]	%
PCM Mileage Since MIL On	[REDACTED]	miles
Turbo Boost Timer	[REDACTED]	ms
Ethanol Gas For Sure	[REDACTED]	
Relative Throttle Position	[REDACTED]	%
ETC Motor Duty Cycle	[REDACTED]	%DC
APP 1 Voltage	[REDACTED]	Volts
Brake Switch 2	[REDACTED]	
EGR Error	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	°F
Freeze Frame Caused by DTC	[REDACTED]	
Purge Solenoid Current	[REDACTED]	mA
Closed Loop with DTC - Bank 1	[REDACTED]	
Purge Duty Cycle	[REDACTED]	%
Fuel Type Being Used	[REDACTED]	
ETC Motor Directional Duty Cycle	[REDACTED]	%DC
Catalyst Temp	[REDACTED]	°F
Short Term Fuel Trim - Bank 1	[REDACTED]	%
Phi Adaption Value	[REDACTED]	Mult
Air Charge Temp - Bank 2	[REDACTED]	°F
MAP Voltage	[REDACTED]	Volts
Vacuum	[REDACTED]	in Hg
Long Term Fuel Trim - Bank 2	[REDACTED]	%
AC Clutch	[REDACTED]	
MAP	[REDACTED]	PSI
Barometric Pressure	[REDACTED]	PSI
Throttle Outlet Temp	[REDACTED]	°F
H-Bridge Circuit	[REDACTED]	
Cooled EGR Temp	[REDACTED]	deg C/s
Commanded EGR Duty Cycle	[REDACTED]	%
Throttle Inlet Pressure	[REDACTED]	PSI
Turbo Airport Mass Flow	[REDACTED]	g/s

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

Vehicle Speed		MPH
Freeze Frame DTC Priority		
Spark Advance		degrees
Low Ethanol Therm Mgmnt Flag		
Fuel Level Percent		%
Ignition Run/Start Switch		
Closed Loop - Bank 1		
MAP - Bank 2		PSI
Commanded Throttle Actuator Control		%
Brake Switch Pressed		
TPS 2 Voltage		Volts
Fuel Tank Pressure		Pa
Engine RPM		rpm
Ethanol Fine Tune Complete Prev		
Long Term Fuel Trim - Bank 1		%
Battery Voltage		Volts
APP Pedal Percent		%
Control Module Volts		Volts
Low Ethanol PWR Enrich Flag		
TPS 1 Voltage		Volts
Throttle Flow Multiplicative Adaptive		Mult
Ethanol Trigger On Fuel Vol Fault		
Fuel Rail Pressure		PSI
Potential Torque		Ft-Lbs
Time Since Run / Start		seconds
Throttle Outlet Pressure		PSI
Absolute Load Value		%
Intake Air Charge Temp		°F
Commanded Equivalence Ratio		
AC Switch		
Engine Load		%
PCM Odometer		miles
Ambient Air Temperature		°F
Intermediate MAP		PSI
MAP - Bank 1		PSI
Turbo PRatio		PRatio
Turbo Torque Count		Counts
Brake Switch 1		
APP 2 Voltage		Volts

Freeze Frame #2

CODE: [REDACTED]

NAME	VALUE	UNITS
TPS 1 Voltage	[REDACTED]	Volts

Purge Solenoid Current		mA
Turbo Torque Count		Counts
H-Bridge Circuit		
EGR Error		%
Mass Airflow Rate		g/s
Fuel Type Being Used		
Barometric Pressure		PSI
Turbo P Ratio		PRatio
Purge Duty Cycle		%
Absolute Load Value		%
Cooled EGR Temp		deg C/s
Low Ethanol PWR Enrich Flag		
MAP Voltage		Volts
Current Adaptive Cell ID		
Throttle Outlet Temp		°F
Fuel Level Percent		%
Potential Torque		Ft-Lbs
Engine Coolant Temperature		°F
Commanded Throttle Actuator Control		%
ETC Motor Duty Cycle		%DC
MAP - Bank 2		PSI
Ignition Run/Start Switch		
Intermediate MAP		PSI
APP 2 Voltage		Volts
Ethanol Fine Tune Complete Prev		
Fuel Rail Pressure		PSI
Vacuum		in Hg
Brake Switch Pressed		
Throttle Flow Multiplicative Adaptive		Mult
Time Since Run / Start		seconds
Turbo Boost Timer		ms
AC Switch		
Long Term Fuel Trim - Bank 1		%
PCM Odometer		miles
Intake Air Charge Temp		°F
Commanded Equivalence Ratio		
Air Charge Temp - Bank 1		°F
MAP		PSI
Battery Voltage		Volts
Fuel Tank Pressure		Pa
Vehicle Speed		MPH
TPS 2 Voltage		Volts
Throttle Flow Adaptive		g/s

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

Low Ethanol Therm Mgmnt Flag		
		°F
Turbo Airport Mass Flow		g/s
Alcohol Fuel Percent		%
Actual Torque		Ft-Lbs
Catalyst Temp		°F
Closed Loop with DTC - Bank 1		
Pressure Adaptation Value		Mult
Brake Switch 1		
Commanded EGR Duty Cycle		%
Air Charge Temp - Bank 2		°F
ETC Motor Directional Duty Cycle		%DC
MAP - Bank 1		PSI
Ethanol Gas For Sure		
Short Term Fuel Trim - Bank 1		%
Throttle Inlet Pressure		PSI
Freeze Frame DTC Priority		
Freeze Frame Caused by DTC		
Engine RPM		rpm
Ethanol Trigger On Fuel Vol Fault		
Throttle Outlet Pressure		PSI
Fuel Rail Pressure		kPa
Control Module Volts		Volts
Brake Switch 2		
APP Pedal Percent		%
APP 1 Voltage		Volts
Relative Throttle Position		%
PCM Mileage Since MIL On		miles
Engine Load		%
Closed Loop - Bank 1		
AC Clutch		
Spark Advance		degrees

Freeze Frame #3

CODE: [REDACTED]

NAME	VALUE	UNITS
TPS 1 Voltage		Volts
Vehicle Speed		MPH
Throttle Outlet Temp		°F
Intermediate MAP		PSI
H-Bridge Circuit		
MAP - Bank 1		PSI
AC Switch		
Ignition Run/Start Switch		

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