



WI
TECH 2.0

CONFIGURATION REPORT

Vehicle 2022 JEEP WRANGLER 2.0L I4 DOHC DI TURBO PHEV ENGINE
VIN [REDACTED]

Odometer 21469.2 km
Publication Date Nov 6, 2024, 9:56:55 AM

ECU SUMMARY INFO

ECU	NAME	BUS TYPE	FLASH PART #	CURRENT VIN	ORIGINAL VIN	PART #
TCM	Transmission Control Module	CAN C	68563825AF	[REDACTED]	[REDACTED] 1NW261448	68563825AF
PCM	Powertrain Control Module	CAN-C	05188195AF	[REDACTED]	[REDACTED]	05188195AF
ASBS	Automatic Sway Bar System	CAN C	68570943AA	[REDACTED]		68570943AA
ICS	Integrated Center Stack	CAN I	6SX94DX9AE	[REDACTED]	[REDACTED]	6SX94DX9AE
RFH	Radio Frequency Hub	CAN-C	56029925AB	[REDACTED]	[REDACTED]	56029925AB
ESM	Electronic Shifter	CAN C	04670716AD	[REDACTED]	[REDACTED]	04670716AD
DTCM	Drive Train Control Module	CAN-C	68547689AB	[REDACTED]	[REDACTED]	68547689AB
ORC	Occupant Restraint	CAN C	68526670AB	[REDACTED]	[REDACTED]	68526670AB
EPS	Electric Power Steering	CAN-C	68529427AC	[REDACTED]	[REDACTED]	68529427AC
HVAC	Heat, Ventilation and A/C	CAN-I	52080486AB	[REDACTED]	[REDACTED]	52080486AB
CSWM	Comfort Seat Wheel Module	CAN I	68530204AB	[REDACTED]	[REDACTED]	68530204AB
PTCM	Power Top Control Module	CAN-I	68371772AB	[REDACTED]	[REDACTED]	68371772AB
AMP	Amplifier	CAN I	68549084AC	[REDACTED]	[REDACTED]	68549084AC
IPC	Instrument Panel Cluster	CAN-C	68525023AB	[REDACTED]	[REDACTED]	68525023AB
PTS	Parktronics	CAN-C	68441031AC	[REDACTED]	[REDACTED]	68441031AC
SCCM	Steering Column Control Module	CAN C	68526258AA	[REDACTED]	[REDACTED]	68526258AA
BCM	Body Controller	CAN-C	68525356AC	[REDACTED]	[REDACTED]	68525355AC
RADIO	Radio	CAN I	68615156AB	[REDACTED]	[REDACTED]	68615156AB
OCM	Occupant Classification	CAN-C	68403128AA	[REDACTED]	[REDACTED]	68403128AA
LBSS	Left Blind Spot Sensor	CAN-I	68454896AA	[REDACTED]	[REDACTED]	68454896AA

RBSS	Right Blind Spot Sensor	CAN-I	68454896AA			68454896AA
BPCM	Battery Pack Control Module	CAN C	05193168AM		R61NW261448	05193168AM
HCP	Hybrid Control Processor	CAN-C	68540073AH		XR61NW261448	68540073AH
AHCP	Auxiliary Hybrid Control Processor	CAN C	68540084AH			68540084AH
ABSO	Anti Lock Brakes OBD	CAN-C	68596542AB			68596542AB
SGW	Security Gateway Module	CAN-C	68532299AB			68532299AB
DPDM	Driver Presence Detection Module	CAN C	68403129AA			68403129AA
DASM	Driver Assistance System Module	CAN-C	04672888AC			04672888AC
IDCM	Integrated Dual Charge Module	CAN C	05185035AS			05185035AS

ECU SUMMARY INFO (CONT...)

ECU	COUNTRY CODE	HARDWARE VERSION	SOFTWARE VERSION	IDENT	SERIAL NUMBER	CVNS
TCM	USA / USA	13 05 0E	18 04 00	4700	T05UM089222148	BE1FEB48
PCM	USA	1D 47	21 22 00	4928	T00EP1862KVNAX	B028D3B7
ASBS	USA	10 01 00	15 0E 01	4500		
ICS	USA	10 1E 00	14 33 00	4802	T159210517	
RFH	USA / USA	10 17 00	15 1D 00	4604	T04Z21742R0071	
ESM	USA	13 0C 00	12 2A 00	4322	T5N171210778	
DTCM	USA	11 22 00	15 0A 01	4501	TH1YC190236EPC	
ORC	USA	14 0B 00	14 12 01	4501	T02JF1892G311F	
EPS	USA	10 13 00	14 31 DC	4005	TFD0442C0220	
HVAC	USA	13 20 00	15 01 01	4420	TCB291772B0514	
CSWM	USA	11 2A 00	15 06 00	4202	TJL6B181200352	
PTCM	USA	11 1A 21	12 12 60	4101	T170867XXX12	
AMP	USA	21 01 01	15 29 00	4034	TH1AA1942G2192	
IPC	USA	21 2C 00	15 2C 01	4805	JLZ7176250KZ	
PTS	USA	10 32 01	13 24 03	4401	??????????????	
SCCM	USA	13 28 00	13 29 00	4301	S15020274	
BCM	USA	0D 11 00	15 21 50	4630	T1C196225134	
RADIO	USA	16 27 13	16 27 13	8205	T M9175201210	
OCM	USA	11 31 01	11 07 04	4060	TJLJY1752150ES	
LBSS	USA	11 23 01	12 25 00	4204	TJL 193240522	
RBSS	USA	11 23 01	12 25 00	4204	TJL 195240029	
BPCM	Rest of world / ROW	14 20 05	17 21 43	5704	TAA611992C0601	5A32814F
HCP	USA	16 09 06	17 13 01	5403	TVS9H1332Z0358	1EF499B5 19903A88 4B0D83D8

AHCP	USA	16 09 06	14 33 01	5600		
ABSO	USA	15 2F 00	16 18 03	4300	T6WOL1912L0758	487C0506
SGW		5	1125	4103	TF1161742J0C9A0	
DPDM	USA	11 31 01	11 0F 04	4510	TJLJY18221627W	
DASM	USA	11 0E 00	15 26 01	401C	T037M165220111	
IDCM	USA	15 0E 00	16 1C 00	4000	TD60A1822D8590	

CONFIGURATION

TCM CONFIGURATION

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

PCM CONFIGURATION

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

Electronic Automatic Transmission (EATX) Equipped	False	
Vehicle Speed Sensor #1 Calculated by ECU	False	
4.7 Liter V8 Engine	False	
5.7 Liter V8 Engine	False	
6.1 Liter V8 Engine	False	
Sensorless FFV Enabled	False	
Electronic Throttle Control Equipped	True	
3.6 Liter V6 Engine	False	
4.0 Liter I6 Engine	False	
3.8 Liter V6 Engine	False	
3.7 Liter V6 Engine	False	
3.5 Liter V6 Engine	False	
3.3 Liter V6 Engine	False	
3.2 Liter V6 Engine	False	
2.7 Liter V6 Engine	False	
MTV Solenoid Equipped	False	
MDS Equipped	False	
Turbocharger Equipped	True	
SRV Equipped	False	
Secondary Air Equipped	False	
Shift Indicator Lamp Equipped	False	
Barometric Sensor Equipped	True	
TIP Equipped	True	
Battery Temp Sensor Equipped	False	
Knock Sensor 1 Equipped	True	
Knock Sensor 2 Equipped	True	
WI4 Variable Valve Timing Equipped	True	
Clutch Interlock Switch Equipped	False	
ESIM Equipped	False	
Linear Purge Equipped	False	
Linear EGR Equipped	False	
Continuous Variable Transmission Equipped	False	
Direct Injection Equipped	True	
Secondary Fuel Pump Equipped	False	
Electronic Coolant Pump Equipped	False	
O2 Sensor Bank 1 Sensor 1 Equipped	True	
O2 Sensor Bank 1 Sensor 2 Equipped	True	
O2 Sensor Bank 1 Sensor 3 Equipped	False	
O2 Sensor Bank 2 Sensor 1 Equipped	False	
O2 Sensor Bank 2 Sensor 2 Equipped	False	
Variable Displacement AC Equipped	False	
Fixed displacement AC Equipped	False	

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

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

HPT 6-Speed Transmission Equipped	False	
Variable Speed Fuel Pump Equipped	True	
Operator Idle Speed Request Equipped	False	
PTO System Equipped	False	
Air Shutoff Valve Bank 1 Control Solenoid 1 Equipped	False	
Air Shutoff Valve Bank 1 Control Solenoid 2 Equipped	False	
Air Shutoff Valve Bank 2 Control Solenoid 2 Equipped	False	
Dual Stage Oil Pump Equipped	True	
Auxiliary Coolant Pump Equipped	True	
Trans Skip Shift Equipped	False	
Trans Reverse Lockout Equipped	False	
Port Flap Valve Equipped	False	
Brushless PWM Fan Equipped	FAN_PWM_BOSCH_BRUSHLESS_CNFG	
6.2 Liter V8 Engine	False	
Primary Lin Alternator Equipped	False	
Coolant On Off Pump Equipped	True	
Oil Pressure Sensor Enabled	True	
Fiat VIN Learning Strategy Equipped	False	
Dual Fuel Tank Equipped	False	
Yaw Rate Sensor ESC Equipped	True	
1.0 Liter I3 Engine	False	
Coolant On Off Valve Equipped	False	
Buffered Crank Output for ANC (Active Noise Cancellation) Equipped	True	
Buffered Crank Output for PHEV Engine Pulse Calculation Equipped	True	
Throttle Inlet Temp Sensor Equipped	True	
Humidity, Temperature and Pressure Sensor (LIN) Equipped	False	
Dual Fuel Pressure Sensor Equipped	False	
Brake Pedal Sensor Equipped	True	
Dual Fuel Tank Equipped	False	
PTO System Equipped	False	
Low Temp Radiator Coolant Pump Equipped	False	
Engine Idle Shutoff Equipped	False	
A/C Relay Powered from Engine Switched Battery	False	
CNG Large Gas Tank Equipped	False	
Cooled EGR Equipped	True	
Supercharger Equipped	False	
Hybrid MEC Shifter Equipped	False	
Dual Alternator Gen1 Capable	False	
Auxillary Coolant Pump Equipped	True	
ZF 9-Speed Trans Equipped	False	
HPT 6 Speed Trans Equipped	False	
CUSW 4-Button Cruise Equipped	False	

Power Steering Angle Sensor Mandatory	False	
Throttle Inlet Temp Sensor Equipped	True	
LIN Humidity, Temp, and Pressure Sensor Equipped	False	
Dual Fuel Pressure Sensor Equipped	False	
Brake Pedal Sensor Equipped	True	
Clutch Sensor Equipped	False	
SWAP HARDWIRED BRAKE SWITCH INPUTS	True	
Mass Airflow System Equipped	False	
Bi Directional Crank Sensor Equipped	True	
5 Button Cruise (LIN) Equipped	True	
Operator Idle Speed Request Equipped	False	
INTAKE O2 SENSOR EQUIPPED	False	
Cylinder Pressure Sensor Equipped	False	
Make Up Air Sensor Equipped	True	
Active Exhaust Pressure Sensor Equipped	False	
Secondary Mass Airflow Sensor Equipped	False	
1.0 Liter I3 Engine	False	
2.0 Liter I4 Direct Injection Engine	True	
Variable Valve Lift Equipped	Not Equipped	
Coolant On-Off Pump Equipped	Equipped	
Primary Lin Alternator Equipped	Not Equipped	
Electronic Parking Brake Equipped	False	
Active Exhaust Valve(s) Equipped	False	
Mechanical Coolant Pump Equipped	False	
Aux Coolant Pump Heater Equipped	False	
Heater Temp Control Valve Equipped	False	
High Side Port Tumble Valve Equipped	False	
Wastegate HBridge Equipped	True	
Remote Start Present	Present	
Engine Oil Pressure Sensor Type	255	None

ICS CONFIGURATION

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

RFH CONFIGURATION

NAME	VALUE	UNITS
PIN Successfully Programmed	Yes	
VIN Successfully Programmed	Yes	
Valid Key In Ignition	Yes	



Keyless Go	True	
Ignition system type connected	KIN system	
e-shifter present	True	
Auto Park Present	True	
Secret Codes Programmed	True	
Passive Entry	True	
RKE	True	
Module Configuration Status	True	
Remote Start Present	True	
\$0214 Programmed by	Programmed by FCA manufacturing	
Hardware Configuration: Remote Start Antenna	Present	
Hardware Configuration: Front Left Door Handle H/W	Serial AP	
Hardware Configuration: Front Right Door Handle H/W	Serial AP	
Hardware Configuration: Rear Left Door Handle H/W	No AP	
Hardware Configuration: Rear Right Door Handle H/W	No AP	
Hardware Configuration: Trunk Door Handle H/W	Serial AP	
RFHub Locked	RFHUB Locked after IAC write	
Fob Location #1 Successfully Programmed	Yes	
Fob Location #2 Successfully Programmed	Yes	
Fob Location #3 Successfully Programmed	Yes	
Fob Location #4 Successfully Programmed	Yes	
Fob Location #5 Successfully Programmed	No	
Fob Location #6 Successfully Programmed	No	
Fob Location #7 Successfully Programmed	No	
Fob Location #8 Successfully Programmed	No	
Back Up Vehicle Config 1	True	
Back Up Vehicle Config 2	True	
Back Up Vehicle Config 3	True	
Back Up Vehicle Config 4	True	
Back Up Vehicle Config 5	True	
Back Up Vehicle Config 6	True	
Back Up Vehicle Config 7	True	
Back Up ECU Configuration 1	True	
Back Up ECU Configuration 2	True	
Back Up ECU Configuration 3	True	
Back Up ECU Configuration 4	True	
Back Up ECU Configuration 5	True	
Back Up ECU Configuration 6	True	
Back Up ECU Configuration 7	True	
Back Up ECU Configuration 8	True	
Back Up ECU Configuration 9	True	
Back Up ECU Configuration 10	True	

Back Up ECU Configuration 11	True	
Back Up ECU Configuration 12	True	
Back Up ECU Configuration 13	True	
Back Up ECU Configuration 14	True	
Back Up ECU Configuration 15	True	
Back Up ECU Configuration 16	True	
Back Up ECU Configuration 17	True	
Back Up Customer Settings Menu 1 (CSM1)	True	
Back Up Customer Settings Menu 2 (CSM2)	True	
Back Up Programmed ECUs: Cabin Network	True	
Back Up Programmed ECUs: P/T Chassis Network	True	
Secret Key Sent to Body Controller Most recent attempt	Yes	
Secret Key Sent to Body Controller - Original attempt	Yes	
Base TPM Present	Not Set	
Full Size Matching Spare Tire Present	Set	
ECU Ship Status	Normal Mode	
Tire Pressure System	True	
Selectable Tire Fill Alert	False	
TPM Auto Locate Enabled	True	
TPMS Configuration	Logic 1 NHTSA Enable Warning	

DTCM CONFIGURATION

NAME	VALUE	UNITS
Full-Time T-Case	True	
Front Locker Present	True	
Rear Locker Present	True	
FAD Present	True	
Mode Switch Present	True	
Left/Right Hand Drive	Left Hand Drive	
Axle Ratio	4.100	
T-Case Type	MPT 3025C	
SRT Present	—	

ORC CONFIGURATION

NAME	VALUE	UNITS
Rollover Sensing	Not Configured	
EPPM	Not Configured	
Occupant Classification (OCM)	Configured	
First Row Driver Seatbelt Buckle Switch	Configured	
First Row Passenger Seatbelt Buckle Switch	Configured	
Second Row Left seat belt Switch	Not Configured	
Second Row Center seat belt Switch	Not Configured	

Second Row Right seat belt Switch	Not Configured	
Driver Seat Track Position Sensor	Configured	
Passenger Seat Track Position Sensor	Configured	
Passenger Occupant Detection Sensor	Not Configured	
Passenger Airbag Disable Switch	Not Configured	
Passenger Airbag Disable Indicator	Configured	
Driver Frontal Squib 1	Configured	
Driver Frontal Squib 2	Configured	
Driver Frontal Squib 3	Configured	
Passenger Frontal Squib 1	Configured	
Passenger Frontal Squib 2	Configured	
Passenger Frontal Squib 3	Configured	
Driver Knee Bolster Squib	Not Configured	
Passenger Knee Bolster Squib	Not Configured	
Driver Seatbelt Retractor Pretensioner	Configured	
Passenger Seatbelt Retractor Pretensioner	Configured	
Driver Seatbelt Load Limiter	Configured	
Passenger Seatbelt Load Limiter	Configured	
Driver Seatbelt Anchor Pretensioner	Configured	
Passenger Seatbelt Anchor Pretensioner	Configured	
Driver Seatbelt Buckle Pretensioner	Not Configured	
Passenger Seatbelt Buckle Pretensioner	Not Configured	
Left Curtain Squib 1	Not Configured	
Right Curtain Squib 1	Not Configured	
Left Side Seat Squib 1	Configured	
Right Side Seat Squib 1	Configured	
Second Row Left Seat Side Airbag	Not Configured	
Second Row Right Seat Side Airbag	Not Configured	
Driver Frontal Squib 4	Not Configured	
Passenger Frontal Squib 4	Not Configured	
Left Up Front Acceleration Sensor	Configured	
Right Up-Front Acceleration Sensor	Configured	
Right B-Pillar Impact Acceleration Sensor	Configured	
Left B Pillar Impact Acceleration Sensor	Configured	
Left C-Pillar Impact Acceleration Sensor	Not Configured	
Right C Pillar Impact Acceleration Sensor	Not Configured	
Right D-Pillar Impact Acceleration Sensor	Not Configured	
Left D-Pillar Impact Acceleration Sensor	Not Configured	
Left Side Door Pressure Sensor	Not Configured	
Right Side Door Pressure Sensor	Not Configured	
Configuration Column Identifier	A2	

HVAC CONFIGURATION

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

AMP CONFIGURATION

NAME	VALUE	UNITS
ANC Calibration Date - Year	20	
ANC Calibration Date - Week	6	
ANC Calibration Date Patch Level	0	
Current ANC Calibration ID - Service	B602	
ANC Status	Off RPM Out of Range	
Surround Sound Activated	Not Set	
Door Module Left Front	Not Present	
Door Module Right Front	Not Present	
Premuim - 1	False	
Premuim 2	True	
Premuim - 3	False	
Non ANC	False	
No Rear Doors	True	
No HALF Chimes	True	

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
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Rear System with 6 Front Sensors	False	
Front System with 6 Rear Sensors	False	

SCCM CONFIGURATION

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

BCM CONFIGURATION

NAME	VALUE	UNITS
RBSM	Set	
LBSM	Set	
BCM (Interior Bus)	Set	
HSM	Set	
HVAC	Set	
PTCM	Set	
Radio	Set	
ITM	Not Set	
AMP	Set	
EDM	Not Set	
HVAC_R	Not Set	
TBM	Not Set	
AHLM/AFLS	Not Set	
ASCM	Not Set	
BCM (PT)	Set	
DTCM	Set	
PCM	Set	
EPS	Set	
ESM	Set	
ABS	Not Set	
RFH	Set	
IPC	Set	
ORC	Set	
PTS	Set	
SCCM	Set	
ELSD	Not Set	
TCM	Set	
TPM	Not Set	
AFLS	Not Set	
ITBM	Not Set	

OCM	Set	
DPDM	Set	
SGW	Set	
ASBS	Set	
ANC	Not Set	
Number of Reprogramming Attempts - Counter #0	0	
Vehicle Configuration Programmed Status	True	
Last Programmed Status	Service	
Last Configuration Odometer	16336	km
Vehicle Configuration Auto Write Counter	1	
Vehicle Configuration 1 Write Counter	8	
Vehicle Configuration 2 Write Counter	8	
Vehicle Configuration 3 - Write Counter	14	
Vehicle Configuration 4 Write Counter	8	
Vehicle Configuration 5 - Write Counter	8	
Vehicle Configuration 6 Write Counter	8	
Programmed ECUs: Cabin Network	8	
Programmed ECUs: P/T Chassis Network	8	
Programmed Network Configuration Audio / Telematics Network	8	
Programmed ECUs: Hybrid LAN Network	8	
ECU Configuration 1 (CBC Configurable Inputs and Outputs)	9	
ECU Configuration 2 (CBC Features)	8	
ECU Configuration 3	8	
ECU Configuration 4	8	
ECU Configuration 5 (Wireless)	8	
ECU Configuration 5 (Doors)	8	
ECU Configuration 5 (Memory)	8	
ECU Configuration 6 (Brake)	8	
ECU Configuration 6 (Suspension)	8	
ECU Configuration 6 (Powertrain)	8	
ECU Configuration 6 (Safety)	8	
ECU Configuration 7 (CBC Exterior Lighting Calibrations)	8	
ECU Configuration 8 (LIN and Miscellaneous)	8	
ECU Configuration 9A	8	
ECU Configuration 9 (ITM)	8	
ECU Configuration 10	8	
ECU Configuration 11	8	
ECU Configuration 12	8	
ECU Configuration 13	8	
ECU Configuration 14	8	
ECU Configuration 15 (CBC Features)	8	
ECU Configuration 15 (Suspension)	8	

Vehicle Configuration 7 - Write Counter	8	
Vehicle Config CSM1	8	
Vehicle Config CSM2	8	
Model Year	2022	
Vehicle Line	JL	
Country Code	USA	
Left/Right Hand Drive	Left Hand Drive	
Remote Start Present	Set	
Drive Configuration	Selectable 4wd	
Emode Present	Not Set	
Auto Highbeam	Set	
Body Style	4 Door Hatchback	
Maximum Vehicle Speed	152	km/hr
Shifter Type	5 Pos Polystable Eshifter / Type PS5	
Performance Pages Present	Not Present	
Special Packages	Default	
PTS Configuration	Rear / REAR	
Hill Descent Feature Present	Not Set	
Select Speed Control Feature Present	Set	
Power Inverter Type	No Power Inverter	
Thatcham Present	Not Set	
Rain Sensor Present	Not Set	
SKIM System Present	Not Set	
Air Conditioning Present	Set	
Cruise Feature is Present	Not Set	
Flipper Glass Present	Not Set	
Full Size Spare	Set	
Off Road Capable	Not Set	
Special Packages	Wrangler Rubicon / Wrangler Rubicon	
Max Load Inflation Pressure Rear Tire	255.1	kPa
Max Load Inflation Pressure Front Tire	255.1	kPa
Light Load Inflation Pressure Rear Tire	0.0	kPa
Police Lighting Feature	Not Set	
Power Lift Gate Present	Not Set	
Power Right Sliding Door Present	Not Set	
Power Left Sliding Door Present	Not Set	
RKE System Present	Set	
Sunshade Present	Not Set	
T Case Type	Transfer Case 246 / Transfer Case 246	
Wheel Base	Long wheel base (140" & 149" Ram Truck) / LONG	
FOBIK Safe Enable	Set	
ELV Present	Not Set	

Fuel Capacity	64	Liters
Window Express Feature Configuration	Drivers window express only	
Adjustable Pedal Feature Present (non-Memory)	Not Set	
Auto Headlamp Feature Present	Set	
Door Alert Feature Present	Not Set	
Two Fuel Sending Units Present	Not Set	
Vehicle is an SRT	Not Set	
Disable Display of Radio Clock	Not Set	
Chassis Type	Type 83	
Display Outside Temperature Present	Set	
HVAC Configuration	Dual Zone ATC	
Vehicle Brand	Jeep	
Display Compass Heading Present	Set	
Interior EC Mirror Present	Set	
ESCL system present	Not Set	
High Intensity Discharge Head Lamps	Not Set	
Secondary Lock Present	Not Set	
Liftgate/Trunk Type	Manual Liftgate	
Collision Mitigation System present	Set	
Forward Collision Warning present	Set	
Base TPM system present	Not Set	
Premium TPM system present	Set	
Paddle Shift Feature Present	Not Set	
Sport Mode Present	Not Set	
Auto Park Present	Set	
Passive Entry Present	Set	
Keyless Go Present	Set	
Transfer Case High Ratio	1.000	No Unit
Axle Ratio	4.100	
Transfer Case Low Range Reduction Ratio	4.000	
Dynamic Tire Circumference (All or Rear)	2500	mm
Dual Rear Wheel (DRW) Vehicle Present	Not Set	
Non-Regulated Tire Pressure Information System (TPIS) Present	Not Set	
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	All Doors have Analog Sensors	
Air Quality System Present	Not Set	
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	Set	
Low Beam Output Present - Pin A3, D2	Set	
Rear Wiper Motor Park Present Pin E29	Set	
Left Rear Door Ajar Input Present - Pin F23	Set	
Front Driver Analog Door Ajar Input Present Pin F9	Set	
Reserved - Pin G12	Not Set	
Horn Switch Input Present Pin F29	Set	
Reserved Pin E15	Not Set	
Hood Ajar Switch Input Present - Pin A11	Set	
Hard Top Sense Present Pin E14	Set	
Reserved - F21	Not Set	
Reserved Pin D20	Not Set	
Passenger Door Ajar Signal Present Pin G18	Set	
Reserved - Pin E47	Not Set	
Reserved Pin E35	Not Set	
Starter Relay Lowside Coil Drive - Pin D7	Not Set	
Diesel Cabin Heater #2 Output Present Pin D9	Not Set	
Diesel Cabin Heater #3 Output Present Pin D10	Not Set	
Diesel Cabin Heater #1 Output Present - Pin D11	Not Set	
Right Dedicated DRL Lamp Output Present Pin A22	Set	
Left Dedicated DRL Lamps Output Present - Pin D15	Set	
Flipper Glass #2 Output Present	Not Set	
Foot Well Lamps Output Present - Pin G24	Set	
Front Fog Lamps Output Present - Pin A1 & D13	Set	
Inverter Enable Relay Output Present Pin F35	Set	
Reserved - E20	Not Set	
Gated Park ZFII Output Present Pin D 24	Set	
Reserved - Pin E21	Not Set	
Rear Fog Lamps Output Present - Pin E39 & F5	Not Set	
Rear Park Lamps Output Present Pin E4 & F32	Set	
Rear Turn Lamps Output Present - Pin E3 & F42	Not Set	
Run ACC Y Relay #2 Output Present Pin E9	Set	
Side Markers Output Present - Pin A10 & D5	Set	
Trailer Backup Lamps Output Present - Pin E23	Set	
Reserved Pin F4	Not Set	
UGDO Feed Output Present - Pin G15	Set	
VTA Warning LED Output Present Pin G22	Set	
Park Brake Input Present - Pin E11	Set	

Ambient Temperature Sensor Present - Pin D22	Set	
Tip Start Enabled	Set	
Dual Start Relay System Present	Not Set	
Wiper Service Position Enabled	Not Set	
Trailer Tow Present	Set	
Quad Headlamps Enable	Set	
Horn Chirp Allowed	Set	
Bi Xenon Headlamps Enable	Not Set	
Hazard Lamp Configuration	Latching Switch	
Park Lamp Loadshed Enable	Set	
Front Fog Lamp Dropout Enable	Set	
Combined Rear Lighting Enable	Set	
Side Repeaters Enable	Not Set	
One Touch Lane Change	Set	
Exterior Light Loadshed Enable	Set	
Front Wiper Park Enable	Set	
Rear Wiper Park Enable	Set	
Reversible Washer Pump Enable	Set	
Single Element Tail Lamp	Not Set	
DRL Configuration	Optional DRL	
DRL Lamp Location	Dedicated	
DRL Dropout Enable	Set	
Tunnel Detection	Not Set	
Military Vehicle Present	Not Set	
LED Reverse Lamps Present	Set	
LED Stop Lamps Present	Set	
LED Rear Turn Lamps Present	Set	
LED Tail Lamps Present	Set	
LED Rear Fog Lamps Present	Set	
LED License Lamps Present	Set	
LED Front Turn Lamps Present	Set	
LED Front Fog Lamps Present	Set	
LED Dedicated DRL Present	Set	
LED Low Beam Lamps Present	Set	
LED High Beam Lamps Present	Set	
LED Front Park/Marker Lamps Present	Set	
Door Lock Switch Signal FT LT Usage (F9)	Reserved	
Door Lock Switch Signal FT RT Usage (F23)	Reserved	
Headlamp Wash Interval	wash cycle#11	
Headlamp Wash Shot	Single	
Front Wiper Wipes After Wash	2 Wipes	
Headlamp Washer Low Fluid Shut-Off Enable	Not Set	

Intermittent Wiper States	4 Intermittent Wiper position Switch	
LED CHMSL Lamp Present	Set	
Rear Camera Present	Set	
Power Inverter Present	Set	
Front Park Assist Present	Not Set	
Front Heated Seats Present	Set	
Front Ventilated Seats Present	Not Set	
Destination	United States of America	
Cabin Equilization Curve Number	JL 4 Door Premium Top On (Alpine 12ch)	
Hill Start Assist Customer Setting Option Present	Set	
Radio Apps Present	Not Set	
CTP Easy Entry Enable	Not Set	
CTP Passive Entry Present	Set	
CTP Auto Lock Disable	Not Set	
SDAR Travel Link Present	Set	
DAB Present	Not Set	
Vehicle Theft Alarm Present	Not Set	
Heated Steering Wheel Present	Set	
VIN Check Digit Diable	Not Set	
Surround Sound Feature Present	Not Set	
Power Door Locks Present	Set	
Antenna Type	Passive Primary and no secondary antenna	
CTP Max AC Present	Not Set	
Hybrid Electric Powertrain Present	Not Set	
Disable CD Eject	Not Set	
DTV Front Camera Present	Not Set	
DTV Side Camera Present	Not Set	
Tow Haul Present	Not Set	
Hill Descent Control Present	Not Set	
Audio Steering Wheel Switch Configuration	Core Steering Wheel	
Radio Display On/Off Softkey Present	Not Set	
Microphone Tuning Parameter	Absent	
Microphone Configuration	2 Microphones	
Microphone Type	Peiker 300 mv	
External Port Type	AUX + USB + extra USB	
Splashscreen Type	Vehicle Brand	
ERS Available	not available	
Rear Wheel Dually	not available	
Max Gear	Eighth gear	
Virtual Speedometer Units	not available	
Speedometer Range Max Scale	not available	
IC Config Feature	not available	

PTO Present	not available	
AMB Dimmer	not available	
Heated Seat Present	not available	
Split Shaft Present	not available	
Manual Headlamp Leveling	not available	
Gear Shift Indicator	Not Set	
Service Interval	20000 km and 730 days	
Temperature Celsius for UK	Not Set	
Type of Gallons	U.K. Gallons	
Tip Start Present	Set	
AP5 Trunk Lock	Smart Switch	
Airport Scenario Trunk Set	Not Set	
AP1 Left Front	Smart Switch	
AP2 Right Front	Smart Switch	
AP3 Left Rear	Not Present	
AP4 Right Rear	Not Present	
Global Up	Not Set	
Global Down	Not Set	
Sun Shade	Not Set	
Puddle Lamp Present	Not Set	
Rear Door Pre Short Drop	Not Set	
Passenger Window Lockout	Set	
Auto Power Folding Mirrors Present	Not Set	
Folding mirrors present	Not Set	
Heated Mirrors Present	Set	
Mirror turn signals present	Not Set	
Driver Memory Mirrors Present	Not Set	
Passenger Memory Mirror Present	Not Set	
Electro chromatic driver mirror present	Not Set	
Electro-chromatic passenger mirror present	Not Set	
Tow Mirror Present	Not Set	
Blindspot Mirror Present	Not Set	
Window Motor Type	Not Set	
Window Hall Sensors Present	Not Set	
Frameless Window Present	Not Set	
Memory Adjustable Pedals Present	Not Set	
Tilt/Telescope Steering Present	Not Set	
Memory Seat Present	Not Set	
Rear Heated Seats Present	Not Present	
Front Vented Seats Present	Not Present	
Heated Steering Wheel Present	Present	
Heated Seat Material Type	Default	

Heated Wheel Material Type	Wood/Leather	
Rear Vented Seats Present	Not Present	
Front Heated Seat Present	Present	
Brake System ECU Configuration A	value 0	
Wheel 18 inch overall ESC Maserati	Not Set	
Brake System ECU Configuration B	Undefined	
ECO Mode Configuration	Remember Previous State with Ignition Key Cycle	
Dual Alternator Present	Not Set	
ODS Present	False	
Driver Kneebag Present	False	
Passenger Kneebag Present	False	
Curtain Airbags Present	False	
Tow Hooks Present	True	
Passive Ped Pro Present	False	
2nd Row Seat Airbags Present	False	
Reserved	Reserved	
Reserved	Reserved	
Integrated EPP Present	False	
BUX vehicle	False	
Signature Light Present	Present	
Dual Filament Headlamp	Not Present	
Front Turn Lamp Diagnostics	Present	
Auto Headlamp On Threshold	3.31409	Volt
Auto Headlamp Off Threshold	2.54930	Volt
Left Low Beam Voltage Regulation	13.6 Volts	
Left High Beam Voltage Regulation	13.6 Volts	
Right Low Beam Voltage Regulation	13.6 Volts	
Right High Beam Voltage Regulation	13.6 Volts	
Left Front Corner Voltage	13.6 Volts	
Right Front Corner Voltage	13.6 Volts	
Left Rear Corner Voltage	12.8 Volts	
Right Rear Corner Voltage	12.8 Volts	
Panic Enable	Set	
Compass Mounting Orientation	Upside Down	
Washer Fluid Level Voltage Threshold	4.46 volts	
IBS Present	Set	
ASBMM Present	Set	
Humidity Sensor Present	Not Set	
Manual Trans Present	Not Set	
DC to DC Converter Present	Not Set	
ASBM Present	Set	
Auto Relock Time	60	seconds

VTA System Present	VTA	
DC to DC Converter #2 Present	Not Set	
Illuminated Approach Interior Lighting Target Percentage	100 (50%)	
Illuminated Approach Headlamp Target Percentage	165 (82.50%)	
Illuminated Approach Taillamp Target Percentage	165 (82.50%)	
Illuminated Approach Interior Lighting Ramp Up Time	130(2600ms)	
CRVMM Present	Set	
EVIC Switch Module Present	Set	
Compass Mounting Angle	0	Degree
Backup Reverse Lamp Left Present - Pin F41	Set	
Backup Reverse Lamp Right Present Pin E1	Set	
Stop/Turn Lamp or Stop Lamp Present Pin E2 & F40	Stop/Turn Lamp	
Left High Beam Present - Pin D1	Set	
Right High Beam Present Pin A2	Set	
Left Front Lamp Diagnostics Present - Pin F25	Set	
Right Front Lamp Diagnostics Present Pin F28	Set	
Left Rear Turn Lamp Diagnostics Present Pin F27	Set	
Right Rear Turn Lamp Diagnostics Present - Pin F31	Set	
Brake Fluid Level Switch Signal Present Pin D21	Not Set	
Siren	Not Set	
Ultrasonics	Not Set	
Tilt	Not Set	
Swing Gate Lock Present - Pin F30	Set	
Swing Gate Unlock Present Pin F33	Set	
Front Fog Voltage	13.6	Volts
Rear Fog Voltage	12.0	Volts
CHMSL Lamp Output Disable	Not Set	
Secondary Door Ajar Present - Pin E28	Set	
Manual Door Locks Present	Not Set	
Rain Sensor Module #2 Present	Not Set	
Auto High Beam Module Location	IRCM	
Average Last Longitudinal Acceleration Values	Average 1	
Average Last Lateral Acceleration Values	Average 1	
Excess Longitudinal Acceleration Factor	1.5	
Excess Lateral Acceleration Factor	1.5	
Brake Smoothing Duration	10 periods	
Brake Smoothing Factor	Filter Off	
Steering Smoothing Duration	3 periods	
Steering Smoothing Factor	Filter Off	
Steering Smoothing Threshold	150 Degrees	
Brake Smoothing Threshold	375 Nm	
Maximum Longitudinal Change	2.0 degrees	

Maximum Lateral Change	2.6 degrees	
Acceleration Threshold	1.5 m/s2	
Acceleration Factor	Filter Off	
Nose Dive Threshold	480 degrees	
Nose Dive Factor	Filter Off	
RKE Auto-Relock Feature Enable	Not Set	
PE Auto Relock Feature Enable	Set	
VTA Hood Ajar Monitoring	Not Set	
Horn Chirp Duration	Short	
Pitch and Roll Present	Set	
Parking Light Enable	Not Set	
ASBM Minimum Voltage Time	10 Seconds	
ASBM Battery Minimum Voltage	11.8 Volts	
Interior Lighting Night Threshold	4.45147	Volt
Interior Lighting Day Threshold	4.27498	Volt
Axle Locker Configuration	Front and Rear Axle Locker / FTRR	
Transmission Equipped	Automatic transmission / AUTOMATIC	
Park Brake Type	Mechanical park brake - hand or foot / MECH	
TPMS Configuration	Logic 1 NHTSA Enable Warning	
Hybrid Type	PHEV	
TSBM Module Present	Not Set	
ADR feature Present	Not Set	
AGS Feature Present	Not Set	
Temperature Display Resolution	Set	
PTC Present	Not Set	
Glovebox Control	Not Set	
Glare Free Present	Not Set	
Brake Type	Reserved	
Suspension Type	Reserved	
Park assist customer settings menu	Feature not present / Absent	
Park assist brake customer settings menu	Not Set	
Park assist front volume customer settings menu	Not Set	
Park assist rear volume customer settings menu	Set	
Electric power steering customer settings menu	Not Set	
Forward collision warning customer settings menu	Feature 2 - 3 Option / Feature 2 - 3 Option	
Auto on driver comfort customer settings menu	Feature 2 3 Option / Feature 2 3 Option	
Auxiliary switches customer settings menu	Switch 1 - 4 Option / Switch 1 - 4 Option	
Rear view camera gridlines customer settings menu	Static + Dynamic / Static + Dynamic	
Unit set customer settings menu	Set	
Power accessory delay customer settings menu	Set	
Ambient dimmer customer settings menu	Not Set	
Tire jack mode customer settings menu	Not Set	

Air suspension warning customer settings menu	Not Set	
Automatic aero mode customer settings menu	Not Set	
Auto high beam customer settings menu	Set	
Auto park customer settings menu	Not Set	
Blind spot alert customer settings menu	Set	
Clock display customer settings menu	Set	
Compass calibration customer settings menu	Not Set	
Compass variance customer settings menu	Not Set	
Consumption unit customer settings menu	Set	
Distance unit customer settings menu	Set	
Auto door lock customer settings menu	Set	
Easy exit seat customer settings menu	Not Set	
Auto entry exit mode customer settings menu	Not Set	
EPB service mode customer settings menu	Not Set	
Headlamp drop customer settings menu	Not Set	
Headlamp off delay customer settings menu	Set	
Headlamps on with wiper customer settings menu	Set	
Passive entry customer settings menu	Set	
Illuminated approach customer settings menu	Set	
Lane departure torque customer settings menu	Not Set	
Lane departure warning customer settings menu	Not Set	
Rear camera customer settings menu	Not Set	
Rain sensitive wipers customer settings menu	Not Set	
Power take off customer settings menu	Not Set	
Pressure unit customer settings menu	Set	
Power unit customer settings menu	Not Set	
Power liftgate chime customer settings menu	Not Set	
Performance shift enable customer settings menu	Not Set	
Rear view camera delay customer settings menu	Set	
RKE unlock customer settings menu	Set	
Speed unit customer settings menu	Set	
Tilt mirror in reverse customer settings menu	Not Set	
Torque unit customer settings menu	Not Set	
Teen Key Fuel Pop up Customer Settings Menu	Not Set	
Teen Key Automatic High Beam Customer Settings Menu	Not Set	
Passenger Airbag On/Off Customer Settings Menu	Not Set	
Forward Collision Warning and Brake Customer Settings Menu	Set	
Doors and Engine Off Power Delay Customer Settings Menu	Set	
Radio Speaker Open Circuit Disable (LF)	Not Set	
Radio Speaker Open Circuit Disable (RF)	Not Set	
Radio Speaker Open Circuit Disable (LR)	Not Set	
Radio Speaker Open Circuit Disable (RR)	Not Set	

ANC Calibration Parameter Data Set	46594	ms
Surround View Camera On/Off Softkey Present	Not Set	
Drive Mode Version	Version 1	
Rear Defrost and Heated Mirrors Present	Both	
Show Phone Information in Cluster	Set	
Auto Dimming Mirror Hard Button Present	Not Set	
Clari Fi Present	Not Set	
Automatic Crash Notification Feature Present	Not Set	
Trailer Hitch Camera Present	Set	
Park Assist Tuning Set	Sahara	
Rear Defrost Presence	Present	
Heated Mirrors Present	Present	
Engine Displacement	Signal Not Available / SNA	
Steering C Factor	Type 3	
Speedometer Tolerance	0 Percent Tolerance	
Increasing speed constant	Increasing 0 KPH	
Tachometer Type	Feature Disabled / DISABLED	
DTV Present	Not Set	
Tri State Comfort Climate Softkey Function Present	Set	

RADIO CONFIGURATION

NAME	VALUE	UNITS
Satellite Subscription ID	EEEE7ECB	
Satellite Subscription Status	Suspended	
Satellite Subscription Reason Code	7E	
Satellite Subscription Suspend Day	01	
Satellite Subscription Suspend Month	01	
Satellite Subscription Suspend Year	01	
911 Button	On	
SDARS	True	
Navigation Active	True	
Cellular	True	
Internal CD Player	False	
Wi-Fi	True	
Bluetooth	True	
Application Framework	True	
FM Diversity	False	
Clock Defeat	Off	
Automated Loudness	On	
Anti Theft Enable Status	On	
12/24 Time Selection	12 Hour Time	
Front Seat Video Playback	Enabled	

Cabin EQ Curve Number Currently Used by Radio	B6	
Splash Screen	Jeep	
Compass on the bus messaging Authorization	Allowed	
GPS on the Bus messaging Authorization	Allowed	
USB Hubs Detected	1	No Unit
SD Card Readers Detected	0	No Unit
Enumerated USB Devices	0	No Unit
Aux Jack	Not Inserted	
DTV Short Term Configuration		

LBSS CONFIGURATION

NAME	VALUE	UNITS
Steering (LHD/RHD)	Left Hand Drive/ LHD	
Teen Key	No	
CFG FEATURE	CFG NONE	

RBSS CONFIGURATION

NAME	VALUE	UNITS
Steering (LHD/RHD)	Left Hand Drive/ LHD	
Teen Key	No	

ABSO CONFIGURATION

NAME	VALUE	UNITS
Vehicle Line Identification	JL	
Displacement	2.0	No Unit
Hybrid Type	PHEV	
Trans Type	ZF_8spd	
Drive Configuration	Selectable 4wd	
Chassis Type	Type 83	
Axle Ratio	4.093	No Unit
Tire Circumference	2499	mm

DASM CONFIGURATION

NAME	VALUE	UNITS
ACC Present	False	
ACC STOP Present	True	
ACC GO Present	False	
FCW Present	True	
LDW Plus Present	False	
Auto High Beam Present	True	
NCC Present	False	





CONFIGURATION REPORT

Vehicle 2022 JEEP WRANGLER 2.0L I4 DOHC DI TURBO PHEV ENGINE
VIN 1C4JJXR61NW261448

Odometer 21526.8 km
Publication Date Nov 20, 2024, 9:17:18 AM

ECU SUMMARY INFO

ECU	NAME	BUS TYPE	FLASH PART #	CURRENT VIN	ORIGINAL VIN	PART #
TCM	Transmission Control Module	CAN C	68563825AF	1C4JJXR61NW261448	1C4JJXR61NW261448	68563825AF
PCM	Powertrain Control Module	CAN-C	05188195AF	1C4JJXR61NW261448	1C4JJXR61NW261448	05188195AF
ASBS	Automatic Sway Bar System	CAN C	68570943AA	JXR61NW2611C4JJXR		68570943AA
ICS	Integrated Center Stack	CAN I	6SX94DX9AE	1C4JJXR61NW261448	1C4JJXR61NW261448	6SX94DX9AE
RFH	Radio Frequency Hub	CAN-C	56029925AB	1C4JJXR61NW261448	1C4JJXR61NW261448	56029925AB
ESM	Electronic Shifter	CAN C	04670716AD	1C4JJXR61NW261448	2015 LA NO VIN	04670716AD
DTCM	Drive Train Control Module	CAN-C	68547689AB	1C4JJXR61NW261448	1C4JJXR61NW261448	68547689AB
ORC	Occupant Restraint	CAN C	68526670AB	1C4JJXR61NW261448	1C4JJXR61NW261448	68526670AB
EPS	Electric Power Steering	CAN-C	68529427AC	1C4JJXR61NW261448	1C4JJXR61NW261448	68529427AC
HVAC	Heat, Ventilation and A/C	CAN-I	52080486AB	1C4JJXR61NW261448	1C4JJXR61NW261448	52080486AB
CSWM	Comfort Seat Wheel Module	CAN I	68530204AB	1C4JJXR61NW261448	1C4JJXR61NW261448	68530204AB
PTCM	Power Top Control Module	CAN-I	68371772AB	1C4JJXR61NW261448	1C4JJXR61NW261448	68371772AB
AMP	Amplifier	CAN I	68549084AC	1C4JJXR61NW261448	1C4JJXR61NW261448	68549084AC
IPC	Instrument Panel Cluster	CAN-C	68525023AB	1C4JJXR61NW261448	1C4JJXR61NW261448	68525023AB
PTS	Parktronics	CAN-C	68441031AC	1C4JJXR61NW261448	1C4JJXR61NW261448	68441031AC
SCCM	Steering Column Control Module	CAN C	68526258AA	1C4JJXR61NW261448	1C4JJXR61NW261448	68526258AA
BCM	Body Controller	CAN-C	68525356AC	1C4JJXR61NW261448	1C4JJXR61NW261448	68525355AC
RADIO	Radio	CAN I	68615156AB	1C4JJX	1C4JJXR61NW261448	68615156AB
OCM	Occupant Classification	CAN-C	68403128AA	1C4JJXR61NW261448	1C4JJXR61NW261448	68403128AA
LBSS	Left Blind Spot Sensor	CAN-I	68454896AA	1C4JJXR61NW261448	1C4JJXR61NW261448	68454896AA

RBSS	Right Blind Spot Sensor	CAN-I	68454896AA	1C4JJXR61NW261448	1C4JJXR61NW261448	68454896AA
BPCM	Battery Pack Control Module	CAN C	05193168AM	1C4JJXR61NW261448	1C4JJXR61NW261448	05193168AM
HCP	Hybrid Control Processor	CAN-C	68540073AH	1C4JJXR61NW261448	1C4JJXR61NW261448	68540073AH
AHCP	Auxiliary Hybrid Control Processor	CAN C	68540084AH	1C4JJXR61NW261448	1C4JJXR61NW261448	68540084AH
ABSO	Anti Lock Brakes OBD	CAN-C	68596542AB	1C4JJXR61NW261448	1C4JJXR61NW261448	68596542AB
SGW	Security Gateway Module	CAN-C	68532299AB		1C4JJXR61NW261448	68532299AB
DPDM	Driver Presence Detection Module	CAN C	68403129AA	1C4JJXR61NW261448	1C4JJXR61NW261448	68403129AA
DASM	Driver Assistance System Module	CAN-C	04672888AC	1C4JJXR61NW261448	1C4JJXR61NW261448	04672888AC
IDCM	Integrated Dual Charge Module	CAN C	05185035AS	1C4JJXR61NW261448	1C4JJXR61NW261448	05185035AS

ECU SUMMARY INFO (CONT...)

ECU	COUNTRY CODE	HARDWARE VERSION	SOFTWARE VERSION	IDENT	SERIAL NUMBER	CVNS
TCM	USA / USA	13 05 0E	18 04 00	4700	T05UM089222148	BE1FEB48
PCM	USA	1D 47	21 22 00	4928	T00EP1862KVNAX	B028D3B7
ASBS	USA	10 01 00	15 0E 01	4500		
ICS	USA	10 1E 00	14 33 00	4802	T159210517	
RFH	USA / USA	10 17 00	15 1D 00	4604	T04Z21742R0071	
ESM	USA	13 0C 00	12 2A 00	4322	T5N171210778	
DTCM	USA	11 22 00	15 0A 01	4501	TH1YC190236EPC	
ORC	USA	14 0B 00	14 12 01	4501	T02JF1892G311F	
EPS	USA	10 13 00	14 31 DC	4005	TFD0442C0220	
HVAC	USA	13 20 00	15 01 01	4420	TCB291772B0514	
CSWM	USA	11 2A 00	15 06 00	4202	TJL6B181200352	
PTCM	USA	11 1A 21	12 12 60	4101	T170867XXX12	
AMP	USA	21 01 01	15 29 00	4034	TH1AA1942G2192	
IPC	USA	21 2C 00	15 2C 01	4805	JLZ7176250KZ	
PTS	USA	10 32 01	13 24 03	4401	??????????????	
SCCM	USA	13 28 00	13 29 00	4301	S15020274	
BCM	USA	0D 11 00	15 21 50	4630	T1C196225134	
RADIO	USA	16 27 13	16 27 13	8205	T M9175201210	
OCM	USA	11 31 01	11 07 04	4060	TJLJY1752150ES	
LBSS	USA	11 23 01	12 25 00	4204	TJL 193240522	
RBSS	USA	11 23 01	12 25 00	4204	TJL 195240029	
BPCM	Rest of world / ROW	14 20 05	17 21 43	5704	TAA611992C0601	5A32814F
HCP	USA	16 09 06	17 13 01	5403	TVS9H1332Z0358	1EF499B5 19903A88 4B0D83D8

AHCP	USA	16 09 06	14 33 01	5600		
ABSO	USA	15 2F 00	16 18 03	4300	T6WOL1912L0758	487C0506
SGW		5	1125	4103	TF1161742J0C9A0	
DPDM	USA	11 31 01	11 0F 04	4510	TJLJY18221627W	
DASM	USA	11 0E 00	15 26 01	401C	T037M165220111	
IDCM	USA	15 0E 00	16 1C 00	4000	TD60A1822D8590	

CONFIGURATION

TCM CONFIGURATION

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

PCM CONFIGURATION

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

Electronic Automatic Transmission (EATX) Equipped	False	
Vehicle Speed Sensor #1 Calculated by ECU	False	
4.7 Liter V8 Engine	False	
5.7 Liter V8 Engine	False	
6.1 Liter V8 Engine	False	
Sensorless FFV Enabled	False	
Electronic Throttle Control Equipped	True	
3.6 Liter V6 Engine	False	
4.0 Liter I6 Engine	False	
3.8 Liter V6 Engine	False	
3.7 Liter V6 Engine	False	
3.5 Liter V6 Engine	False	
3.3 Liter V6 Engine	False	
3.2 Liter V6 Engine	False	
2.7 Liter V6 Engine	False	
MTV Solenoid Equipped	False	
MDS Equipped	False	
Turbocharger Equipped	True	
SRV Equipped	False	
Secondary Air Equipped	False	
Shift Indicator Lamp Equipped	False	
Barometric Sensor Equipped	True	
TIP Equipped	True	
Battery Temp Sensor Equipped	False	
Knock Sensor 1 Equipped	True	
Knock Sensor 2 Equipped	True	
WI4 Variable Valve Timing Equipped	True	
Clutch Interlock Switch Equipped	False	
ESIM Equipped	False	
Linear Purge Equipped	False	
Linear EGR Equipped	False	
Continuous Variable Transmission Equipped	False	
Direct Injection Equipped	True	
Secondary Fuel Pump Equipped	False	
Electronic Coolant Pump Equipped	False	
O2 Sensor Bank 1 Sensor 1 Equipped	True	
O2 Sensor Bank 1 Sensor 2 Equipped	True	
O2 Sensor Bank 1 Sensor 3 Equipped	False	
O2 Sensor Bank 2 Sensor 1 Equipped	False	
O2 Sensor Bank 2 Sensor 2 Equipped	False	
Variable Displacement AC Equipped	False	
Fixed displacement AC Equipped	False	

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

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

HPT 6-Speed Transmission Equipped	False	
Variable Speed Fuel Pump Equipped	True	
Operator Idle Speed Request Equipped	False	
PTO System Equipped	False	
Air Shutoff Valve Bank 1 Control Solenoid 1 Equipped	False	
Air Shutoff Valve Bank 1 Control Solenoid 2 Equipped	False	
Air Shutoff Valve Bank 2 Control Solenoid 2 Equipped	False	
Dual Stage Oil Pump Equipped	True	
Auxiliary Coolant Pump Equipped	True	
Trans Skip Shift Equipped	False	
Trans Reverse Lockout Equipped	False	
Port Flap Valve Equipped	False	
Brushless PWM Fan Equipped	FAN_PWM_BOSCH_BRUSHLESS_CNFG	
6.2 Liter V8 Engine	False	
Primary Lin Alternator Equipped	False	
Coolant On Off Pump Equipped	True	
Oil Pressure Sensor Enabled	True	
Fiat VIN Learning Strategy Equipped	False	
Dual Fuel Tank Equipped	False	
Yaw Rate Sensor ESC Equipped	True	
1.0 Liter I3 Engine	False	
Coolant On Off Valve Equipped	False	
Buffered Crank Output for ANC (Active Noise Cancellation) Equipped	True	
Buffered Crank Output for PHEV Engine Pulse Calculation Equipped	True	
Throttle Inlet Temp Sensor Equipped	True	
Humidity, Temperature and Pressure Sensor (LIN) Equipped	False	
Dual Fuel Pressure Sensor Equipped	False	
Brake Pedal Sensor Equipped	True	
Dual Fuel Tank Equipped	False	
PTO System Equipped	False	
Low Temp Radiator Coolant Pump Equipped	False	
Engine Idle Shutoff Equipped	False	
A/C Relay Powered from Engine Switched Battery	False	
CNG Large Gas Tank Equipped	False	
Cooled EGR Equipped	True	
Supercharger Equipped	False	
Hybrid MEC Shifter Equipped	False	
Dual Alternator Gen1 Capable	False	
Auxillary Coolant Pump Equipped	True	
ZF 9-Speed Trans Equipped	False	
HPT 6 Speed Trans Equipped	False	
CUSW 4-Button Cruise Equipped	False	

Power Steering Angle Sensor Mandatory	False	
Throttle Inlet Temp Sensor Equipped	True	
LIN Humidity, Temp, and Pressure Sensor Equipped	False	
Dual Fuel Pressure Sensor Equipped	False	
Brake Pedal Sensor Equipped	True	
Clutch Sensor Equipped	False	
SWAP HARDWIRED BRAKE SWITCH INPUTS	True	
Mass Airflow System Equipped	False	
Bi Directional Crank Sensor Equipped	True	
5 Button Cruise (LIN) Equipped	True	
Operator Idle Speed Request Equipped	False	
INTAKE O2 SENSOR EQUIPPED	False	
Cylinder Pressure Sensor Equipped	False	
Make Up Air Sensor Equipped	True	
Active Exhaust Pressure Sensor Equipped	False	
Secondary Mass Airflow Sensor Equipped	False	
1.0 Liter I3 Engine	False	
2.0 Liter I4 Direct Injection Engine	True	
Variable Valve Lift Equipped	Not Equipped	
Coolant On-Off Pump Equipped	Equipped	
Primary Lin Alternator Equipped	Not Equipped	
Electronic Parking Brake Equipped	False	
Active Exhaust Valve(s) Equipped	False	
Mechanical Coolant Pump Equipped	False	
Aux Coolant Pump Heater Equipped	False	
Heater Temp Control Valve Equipped	False	
High Side Port Tumble Valve Equipped	False	
Wastegate HBridge Equipped	True	
Remote Start Present	Present	
Engine Oil Pressure Sensor Type	255	None

ICS CONFIGURATION

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

RFH CONFIGURATION

NAME	VALUE	UNITS
PIN Successfully Programmed	Yes	
VIN Successfully Programmed	Yes	
Valid Key In Ignition	Yes	

Keyless Go	True	
Ignition system type connected	KIN system	
e-shifter present	True	
Auto Park Present	True	
Secret Codes Programmed	True	
Passive Entry	True	
RKE	True	
Module Configuration Status	True	
Remote Start Present	True	
\$0214 Programmed by	Programmed by FCA manufacturing	
Hardware Configuration: Remote Start Antenna	Present	
Hardware Configuration: Front Left Door Handle H/W	Serial AP	
Hardware Configuration: Front Right Door Handle H/W	Serial AP	
Hardware Configuration: Rear Left Door Handle H/W	No AP	
Hardware Configuration: Rear Right Door Handle H/W	No AP	
Hardware Configuration: Trunk Door Handle H/W	Serial AP	
RFHub Locked	RFHUB Locked after IAC write	
Fob Location #1 Successfully Programmed	Yes	
Fob Location #2 Successfully Programmed	Yes	
Fob Location #3 Successfully Programmed	Yes	
Fob Location #4 Successfully Programmed	Yes	
Fob Location #5 Successfully Programmed	No	
Fob Location #6 Successfully Programmed	No	
Fob Location #7 Successfully Programmed	No	
Fob Location #8 Successfully Programmed	No	
Back Up Vehicle Config 1	True	
Back Up Vehicle Config 2	True	
Back Up Vehicle Config 3	True	
Back Up Vehicle Config 4	True	
Back Up Vehicle Config 5	True	
Back Up Vehicle Config 6	True	
Back Up Vehicle Config 7	True	
Back Up ECU Configuration 1	True	
Back Up ECU Configuration 2	True	
Back Up ECU Configuration 3	True	
Back Up ECU Configuration 4	True	
Back Up ECU Configuration 5	True	
Back Up ECU Configuration 6	True	
Back Up ECU Configuration 7	True	
Back Up ECU Configuration 8	True	
Back Up ECU Configuration 9	True	
Back Up ECU Configuration 10	True	

Back Up ECU Configuration 11	True	
Back Up ECU Configuration 12	True	
Back Up ECU Configuration 13	True	
Back Up ECU Configuration 14	True	
Back Up ECU Configuration 15	True	
Back Up ECU Configuration 16	True	
Back Up ECU Configuration 17	True	
Back Up Customer Settings Menu 1 (CSM1)	True	
Back Up Customer Settings Menu 2 (CSM2)	True	
Back Up Programmed ECUs: Cabin Network	True	
Back Up Programmed ECUs: P/T Chassis Network	True	
Secret Key Sent to Body Controller Most recent attempt	Yes	
Secret Key Sent to Body Controller - Original attempt	Yes	
Base TPM Present	Not Set	
Full Size Matching Spare Tire Present	Set	
ECU Ship Status	Normal Mode	
Tire Pressure System	True	
Selectable Tire Fill Alert	False	
TPM Auto Locate Enabled	True	
TPMS Configuration	Logic 1 NHTSA Enable Warning	

DTCM CONFIGURATION

NAME	VALUE	UNITS
Full-Time T-Case	True	
Front Locker Present	True	
Rear Locker Present	True	
FAD Present	True	
Mode Switch Present	True	
Left/Right Hand Drive	Left Hand Drive	
Axle Ratio	4.100	
T-Case Type	MPT 3025C	
SRT Present	—	

ORC CONFIGURATION

NAME	VALUE	UNITS
Rollover Sensing	Not Configured	
EPPM	Not Configured	
Occupant Classification (OCM)	Configured	
First Row Driver Seatbelt Buckle Switch	Configured	
First Row Passenger Seatbelt Buckle Switch	Configured	
Second Row Left seat belt Switch	Not Configured	
Second Row Center seat belt Switch	Not Configured	

Second Row Right seat belt Switch	Not Configured	
Driver Seat Track Position Sensor	Configured	
Passenger Seat Track Position Sensor	Configured	
Passenger Occupant Detection Sensor	Not Configured	
Passenger Airbag Disable Switch	Not Configured	
Passenger Airbag Disable Indicator	Configured	
Driver Frontal Squib 1	Configured	
Driver Frontal Squib 2	Configured	
Driver Frontal Squib 3	Configured	
Passenger Frontal Squib 1	Configured	
Passenger Frontal Squib 2	Configured	
Passenger Frontal Squib 3	Configured	
Driver Knee Bolster Squib	Not Configured	
Passenger Knee Bolster Squib	Not Configured	
Driver Seatbelt Retractor Pretensioner	Configured	
Passenger Seatbelt Retractor Pretensioner	Configured	
Driver Seatbelt Load Limiter	Configured	
Passenger Seatbelt Load Limiter	Configured	
Driver Seatbelt Anchor Pretensioner	Configured	
Passenger Seatbelt Anchor Pretensioner	Configured	
Driver Seatbelt Buckle Pretensioner	Not Configured	
Passenger Seatbelt Buckle Pretensioner	Not Configured	
Left Curtain Squib 1	Not Configured	
Right Curtain Squib 1	Not Configured	
Left Side Seat Squib 1	Configured	
Right Side Seat Squib 1	Configured	
Second Row Left Seat Side Airbag	Not Configured	
Second Row Right Seat Side Airbag	Not Configured	
Driver Frontal Squib 4	Not Configured	
Passenger Frontal Squib 4	Not Configured	
Left Up Front Acceleration Sensor	Configured	
Right Up-Front Acceleration Sensor	Configured	
Right B-Pillar Impact Acceleration Sensor	Configured	
Left B Pillar Impact Acceleration Sensor	Configured	
Left C-Pillar Impact Acceleration Sensor	Not Configured	
Right C Pillar Impact Acceleration Sensor	Not Configured	
Right D-Pillar Impact Acceleration Sensor	Not Configured	
Left D-Pillar Impact Acceleration Sensor	Not Configured	
Left Side Door Pressure Sensor	Not Configured	
Right Side Door Pressure Sensor	Not Configured	
Configuration Column Identifier	A2	

HVAC CONFIGURATION

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

AMP CONFIGURATION

NAME	VALUE	UNITS
ANC Calibration Date - Year	20	
ANC Calibration Date - Week	6	
ANC Calibration Date Patch Level	0	
Current ANC Calibration ID - Service	B602	
ANC Status	Off RPM Out of Range	
Surround Sound Activated	Not Set	
Door Module Left Front	Not Present	
Door Module Right Front	Not Present	
Premuim - 1	False	
Premuim 2	True	
Premuim - 3	False	
Non ANC	False	
No Rear Doors	True	
No HALF Chimes	True	

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
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Rear System with 6 Front Sensors	False	
Front System with 6 Rear Sensors	False	

SCCM CONFIGURATION

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

BCM CONFIGURATION

NAME	VALUE	UNITS
RBSM	Set	
LBSM	Set	
BCM (Interior Bus)	Set	
HSM	Set	
HVAC	Set	
PTCM	Set	
Radio	Set	
ITM	Not Set	
AMP	Set	
EDM	Not Set	
HVAC_R	Not Set	
TBM	Not Set	
AHLM/AFLS	Not Set	
ASCM	Not Set	
BCM (PT)	Set	
DTCM	Set	
PCM	Set	
EPS	Set	
ESM	Set	
ABS	Not Set	
RFH	Set	
IPC	Set	
ORC	Set	
PTS	Set	
SCCM	Set	
ELSD	Not Set	
TCM	Set	
TPM	Not Set	
AFLS	Not Set	
ITBM	Not Set	

OCM	Set	
DPDM	Set	
SGW	Set	
ASBS	Set	
ANC	Not Set	
Number of Reprogramming Attempts - Counter #0	0	
Vehicle Configuration Programmed Status	True	
Last Programmed Status	Service	
Last Configuration Odometer	16336	km
Vehicle Configuration Auto Write Counter	1	
Vehicle Configuration 1 Write Counter	8	
Vehicle Configuration 2 Write Counter	8	
Vehicle Configuration 3 - Write Counter	14	
Vehicle Configuration 4 Write Counter	8	
Vehicle Configuration 5 - Write Counter	8	
Vehicle Configuration 6 Write Counter	8	
Programmed ECUs: Cabin Network	8	
Programmed ECUs: P/T Chassis Network	8	
Programmed Network Configuration Audio / Telematics Network	8	
Programmed ECUs: Hybrid LAN Network	8	
ECU Configuration 1 (CBC Configurable Inputs and Outputs)	9	
ECU Configuration 2 (CBC Features)	8	
ECU Configuration 3	8	
ECU Configuration 4	8	
ECU Configuration 5 (Wireless)	8	
ECU Configuration 5 (Doors)	8	
ECU Configuration 5 (Memory)	8	
ECU Configuration 6 (Brake)	8	
ECU Configuration 6 (Suspension)	8	
ECU Configuration 6 (Powertrain)	8	
ECU Configuration 6 (Safety)	8	
ECU Configuration 7 (CBC Exterior Lighting Calibrations)	8	
ECU Configuration 8 (LIN and Miscellaneous)	8	
ECU Configuration 9A	8	
ECU Configuration 9 (ITM)	8	
ECU Configuration 10	8	
ECU Configuration 11	8	
ECU Configuration 12	8	
ECU Configuration 13	8	
ECU Configuration 14	8	
ECU Configuration 15 (CBC Features)	8	
ECU Configuration 15 (Suspension)	8	

Vehicle Configuration 7 - Write Counter	8	
Vehicle Config CSM1	8	
Vehicle Config CSM2	8	
Model Year	2022	
Vehicle Line	JL	
Country Code	USA	
Left/Right Hand Drive	Left Hand Drive	
Remote Start Present	Set	
Drive Configuration	Selectable 4wd	
Emode Present	Not Set	
Auto Highbeam	Set	
Body Style	4 Door Hatchback	
Maximum Vehicle Speed	152	km/hr
Shifter Type	5 Pos Polystable Eshifter / Type PS5	
Performance Pages Present	Not Present	
Special Packages	Default	
PTS Configuration	Rear / REAR	
Hill Descent Feature Present	Not Set	
Select Speed Control Feature Present	Set	
Power Inverter Type	No Power Inverter	
Thatcham Present	Not Set	
Rain Sensor Present	Not Set	
SKIM System Present	Not Set	
Air Conditioning Present	Set	
Cruise Feature is Present	Not Set	
Flipper Glass Present	Not Set	
Full Size Spare	Set	
Off Road Capable	Not Set	
Special Packages	Wrangler Rubicon / Wrangler Rubicon	
Max Load Inflation Pressure Rear Tire	255.1	kPa
Max Load Inflation Pressure Front Tire	255.1	kPa
Light Load Inflation Pressure Rear Tire	0.0	kPa
Police Lighting Feature	Not Set	
Power Lift Gate Present	Not Set	
Power Right Sliding Door Present	Not Set	
Power Left Sliding Door Present	Not Set	
RKE System Present	Set	
Sunshade Present	Not Set	
T Case Type	Transfer Case 246 / Transfer Case 246	
Wheel Base	Long wheel base (140" & 149" Ram Truck) / LONG	
FOBIK Safe Enable	Set	
ELV Present	Not Set	

Fuel Capacity	64	Liters
Window Express Feature Configuration	Drivers window express only	
Adjustable Pedal Feature Present (non-Memory)	Not Set	
Auto Headlamp Feature Present	Set	
Door Alert Feature Present	Not Set	
Two Fuel Sending Units Present	Not Set	
Vehicle is an SRT	Not Set	
Disable Display of Radio Clock	Not Set	
Chassis Type	Type 83	
Display Outside Temperature Present	Set	
HVAC Configuration	Dual Zone ATC	
Vehicle Brand	Jeep	
Display Compass Heading Present	Set	
Interior EC Mirror Present	Set	
ESCL system present	Not Set	
High Intensity Discharge Head Lamps	Not Set	
Secondary Lock Present	Not Set	
Liftgate/Trunk Type	Manual Liftgate	
Collision Mitigation System present	Set	
Forward Collision Warning present	Set	
Base TPM system present	Not Set	
Premium TPM system present	Set	
Paddle Shift Feature Present	Not Set	
Sport Mode Present	Not Set	
Auto Park Present	Set	
Passive Entry Present	Set	
Keyless Go Present	Set	
Transfer Case High Ratio	1.000	No Unit
Axle Ratio	4.100	
Transfer Case Low Range Reduction Ratio	4.000	
Dynamic Tire Circumference (All or Rear)	2500	mm
Dual Rear Wheel (DRW) Vehicle Present	Not Set	
Non-Regulated Tire Pressure Information System (TPIS) Present	Not Set	
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	All Doors have Analog Sensors	
Air Quality System Present	Not Set	
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	Set	
Low Beam Output Present - Pin A3, D2	Set	
Rear Wiper Motor Park Present Pin E29	Set	
Left Rear Door Ajar Input Present - Pin F23	Set	
Front Driver Analog Door Ajar Input Present Pin F9	Set	
Reserved - Pin G12	Not Set	
Horn Switch Input Present Pin F29	Set	
Reserved Pin E15	Not Set	
Hood Ajar Switch Input Present - Pin A11	Set	
Hard Top Sense Present Pin E14	Set	
Reserved - F21	Not Set	
Reserved Pin D20	Not Set	
Passenger Door Ajar Signal Present Pin G18	Set	
Reserved - Pin E47	Not Set	
Reserved Pin E35	Not Set	
Starter Relay Lowside Coil Drive - Pin D7	Not Set	
Diesel Cabin Heater #2 Output Present Pin D9	Not Set	
Diesel Cabin Heater #3 Output Present Pin D10	Not Set	
Diesel Cabin Heater #1 Output Present - Pin D11	Not Set	
Right Dedicated DRL Lamp Output Present Pin A22	Set	
Left Dedicated DRL Lamps Output Present - Pin D15	Set	
Flipper Glass #2 Output Present	Not Set	
Foot Well Lamps Output Present - Pin G24	Set	
Front Fog Lamps Output Present - Pin A1 & D13	Set	
Inverter Enable Relay Output Present Pin F35	Set	
Reserved - E20	Not Set	
Gated Park ZFII Output Present Pin D 24	Set	
Reserved - Pin E21	Not Set	
Rear Fog Lamps Output Present - Pin E39 & F5	Not Set	
Rear Park Lamps Output Present Pin E4 & F32	Set	
Rear Turn Lamps Output Present - Pin E3 & F42	Not Set	
Run ACC Y Relay #2 Output Present Pin E9	Set	
Side Markers Output Present - Pin A10 & D5	Set	
Trailer Backup Lamps Output Present - Pin E23	Set	
Reserved Pin F4	Not Set	
UGDO Feed Output Present - Pin G15	Set	
VTA Warning LED Output Present Pin G22	Set	
Park Brake Input Present - Pin E11	Set	

Ambient Temperature Sensor Present - Pin D22	Set	
Tip Start Enabled	Set	
Dual Start Relay System Present	Not Set	
Wiper Service Position Enabled	Not Set	
Trailer Tow Present	Set	
Quad Headlamps Enable	Set	
Horn Chirp Allowed	Set	
Bi Xenon Headlamps Enable	Not Set	
Hazard Lamp Configuration	Latching Switch	
Park Lamp Loadshed Enable	Set	
Front Fog Lamp Dropout Enable	Set	
Combined Rear Lighting Enable	Set	
Side Repeaters Enable	Not Set	
One Touch Lane Change	Set	
Exterior Light Loadshed Enable	Set	
Front Wiper Park Enable	Set	
Rear Wiper Park Enable	Set	
Reversible Washer Pump Enable	Set	
Single Element Tail Lamp	Not Set	
DRL Configuration	Optional DRL	
DRL Lamp Location	Dedicated	
DRL Dropout Enable	Set	
Tunnel Detection	Not Set	
Military Vehicle Present	Not Set	
LED Reverse Lamps Present	Set	
LED Stop Lamps Present	Set	
LED Rear Turn Lamps Present	Set	
LED Tail Lamps Present	Set	
LED Rear Fog Lamps Present	Set	
LED License Lamps Present	Set	
LED Front Turn Lamps Present	Set	
LED Front Fog Lamps Present	Set	
LED Dedicated DRL Present	Set	
LED Low Beam Lamps Present	Set	
LED High Beam Lamps Present	Set	
LED Front Park/Marker Lamps Present	Set	
Door Lock Switch Signal FT LT Usage (F9)	Reserved	
Door Lock Switch Signal FT RT Usage (F23)	Reserved	
Headlamp Wash Interval	wash cycle#11	
Headlamp Wash Shot	Single	
Front Wiper Wipes After Wash	2 Wipes	
Headlamp Washer Low Fluid Shut-Off Enable	Not Set	

Intermittent Wiper States	4 Intermittent Wiper position Switch	
LED CHMSL Lamp Present	Set	
Rear Camera Present	Set	
Power Inverter Present	Set	
Front Park Assist Present	Not Set	
Front Heated Seats Present	Set	
Front Ventilated Seats Present	Not Set	
Destination	United States of America	
Cabin Equilization Curve Number	JL 4 Door Premium Top On (Alpine 12ch)	
Hill Start Assist Customer Setting Option Present	Set	
Radio Apps Present	Not Set	
CTP Easy Entry Enable	Not Set	
CTP Passive Entry Present	Set	
CTP Auto Lock Disable	Not Set	
SDAR Travel Link Present	Set	
DAB Present	Not Set	
Vehicle Theft Alarm Present	Not Set	
Heated Steering Wheel Present	Set	
VIN Check Digit Diable	Not Set	
Surround Sound Feature Present	Not Set	
Power Door Locks Present	Set	
Antenna Type	Passive Primary and no secondary antenna	
CTP Max AC Present	Not Set	
Hybrid Electric Powertrain Present	Not Set	
Disable CD Eject	Not Set	
DTV Front Camera Present	Not Set	
DTV Side Camera Present	Not Set	
Tow Haul Present	Not Set	
Hill Descent Control Present	Not Set	
Audio Steering Wheel Switch Configuration	Core Steering Wheel	
Radio Display On/Off Softkey Present	Not Set	
Microphone Tuning Parameter	Absent	
Microphone Configuration	2 Microphones	
Microphone Type	Peiker 300 mv	
External Port Type	AUX + USB + extra USB	
Splashscreen Type	Vehicle Brand	
ERS Available	not available	
Rear Wheel Dually	not available	
Max Gear	Eighth gear	
Virtual Speedometer Units	not available	
Speedometer Range Max Scale	not available	
IC Config Feature	not available	

PTO Present	not available	
AMB Dimmer	not available	
Heated Seat Present	not available	
Split Shaft Present	not available	
Manual Headlamp Leveling	not available	
Gear Shift Indicator	Not Set	
Service Interval	20000 km and 730 days	
Temperature Celsius for UK	Not Set	
Type of Gallons	U.K. Gallons	
Tip Start Present	Set	
AP5 Trunk Lock	Smart Switch	
Airport Scenario Trunk Set	Not Set	
AP1 Left Front	Smart Switch	
AP2 Right Front	Smart Switch	
AP3 Left Rear	Not Present	
AP4 Right Rear	Not Present	
Global Up	Not Set	
Global Down	Not Set	
Sun Shade	Not Set	
Puddle Lamp Present	Not Set	
Rear Door Pre Short Drop	Not Set	
Passenger Window Lockout	Set	
Auto Power Folding Mirrors Present	Not Set	
Folding mirrors present	Not Set	
Heated Mirrors Present	Set	
Mirror turn signals present	Not Set	
Driver Memory Mirrors Present	Not Set	
Passenger Memory Mirror Present	Not Set	
Electro chromatic driver mirror present	Not Set	
Electro-chromatic passenger mirror present	Not Set	
Tow Mirror Present	Not Set	
Blindspot Mirror Present	Not Set	
Window Motor Type	Not Set	
Window Hall Sensors Present	Not Set	
Frameless Window Present	Not Set	
Memory Adjustable Pedals Present	Not Set	
Tilt/Telescope Steering Present	Not Set	
Memory Seat Present	Not Set	
Rear Heated Seats Present	Not Present	
Front Vented Seats Present	Not Present	
Heated Steering Wheel Present	Present	
Heated Seat Material Type	Default	

Heated Wheel Material Type	Wood/Leather	
Rear Vented Seats Present	Not Present	
Front Heated Seat Present	Present	
Brake System ECU Configuration A	value 0	
Wheel 18 inch overall ESC Maserati	Not Set	
Brake System ECU Configuration B	Undefined	
ECO Mode Configuration	Remember Previous State with Ignition Key Cycle	
Dual Alternator Present	Not Set	
ODS Present	False	
Driver Kneebag Present	False	
Passenger Kneebag Present	False	
Curtain Airbags Present	False	
Tow Hooks Present	True	
Passive Ped Pro Present	False	
2nd Row Seat Airbags Present	False	
Reserved	Reserved	
Reserved	Reserved	
Integrated EPP Present	False	
BUX vehicle	False	
Signature Light Present	Present	
Dual Filament Headlamp	Not Present	
Front Turn Lamp Diagnostics	Present	
Auto Headlamp On Threshold	3.31409	Volt
Auto Headlamp Off Threshold	2.54930	Volt
Left Low Beam Voltage Regulation	13.6 Volts	
Left High Beam Voltage Regulation	13.6 Volts	
Right Low Beam Voltage Regulation	13.6 Volts	
Right High Beam Voltage Regulation	13.6 Volts	
Left Front Corner Voltage	13.6 Volts	
Right Front Corner Voltage	13.6 Volts	
Left Rear Corner Voltage	12.8 Volts	
Right Rear Corner Voltage	12.8 Volts	
Panic Enable	Set	
Compass Mounting Orientation	Upside Down	
Washer Fluid Level Voltage Threshold	4.46 volts	
IBS Present	Set	
ASBMM Present	Set	
Humidity Sensor Present	Not Set	
Manual Trans Present	Not Set	
DC to DC Converter Present	Not Set	
ASBM Present	Set	
Auto Relock Time	60	seconds

VTA System Present	VTA	
DC to DC Converter #2 Present	Not Set	
Illuminated Approach Interior Lighting Target Percentage	100 (50%)	
Illuminated Approach Headlamp Target Percentage	165 (82.50%)	
Illuminated Approach Taillamp Target Percentage	165 (82.50%)	
Illuminated Approach Interior Lighting Ramp Up Time	130(2600ms)	
CRVMM Present	Set	
EVIC Switch Module Present	Set	
Compass Mounting Angle	0	Degree
Backup Reverse Lamp Left Present - Pin F41	Set	
Backup Reverse Lamp Right Present Pin E1	Set	
Stop/Turn Lamp or Stop Lamp Present Pin E2 & F40	Stop/Turn Lamp	
Left High Beam Present - Pin D1	Set	
Right High Beam Present Pin A2	Set	
Left Front Lamp Diagnostics Present - Pin F25	Set	
Right Front Lamp Diagnostics Present Pin F28	Set	
Left Rear Turn Lamp Diagnostics Present Pin F27	Set	
Right Rear Turn Lamp Diagnostics Present - Pin F31	Set	
Brake Fluid Level Switch Signal Present Pin D21	Not Set	
Siren	Not Set	
Ultrasonics	Not Set	
Tilt	Not Set	
Swing Gate Lock Present - Pin F30	Set	
Swing Gate Unlock Present Pin F33	Set	
Front Fog Voltage	13.6	Volts
Rear Fog Voltage	12.0	Volts
CHMSL Lamp Output Disable	Not Set	
Secondary Door Ajar Present - Pin E28	Set	
Manual Door Locks Present	Not Set	
Rain Sensor Module #2 Present	Not Set	
Auto High Beam Module Location	IRCM	
Average Last Longitudinal Acceleration Values	Average 1	
Average Last Lateral Acceleration Values	Average 1	
Excess Longitudinal Acceleration Factor	1.5	
Excess Lateral Acceleration Factor	1.5	
Brake Smoothing Duration	10 periods	
Brake Smoothing Factor	Filter Off	
Steering Smoothing Duration	3 periods	
Steering Smoothing Factor	Filter Off	
Steering Smoothing Threshold	150 Degrees	
Brake Smoothing Threshold	375 Nm	
Maximum Longitudinal Change	2.0 degrees	

Maximum Lateral Change	2.6 degrees	
Acceleration Threshold	1.5 m/s2	
Acceleration Factor	Filter Off	
Nose Dive Threshold	480 degrees	
Nose Dive Factor	Filter Off	
RKE Auto-Relock Feature Enable	Not Set	
PE Auto Relock Feature Enable	Set	
VTA Hood Ajar Monitoring	Not Set	
Horn Chirp Duration	Short	
Pitch and Roll Present	Set	
Parking Light Enable	Not Set	
ASBM Minimum Voltage Time	10 Seconds	
ASBM Battery Minimum Voltage	11.8 Volts	
Interior Lighting Night Threshold	4.45147	Volt
Interior Lighting Day Threshold	4.27498	Volt
Axle Locker Configuration	Front and Rear Axle Locker / FTRR	
Transmission Equipped	Automatic transmission / AUTOMATIC	
Park Brake Type	Mechanical park brake - hand or foot / MECH	
TPMS Configuration	Logic 1 NHTSA Enable Warning	
Hybrid Type	PHEV	
TSBM Module Present	Not Set	
ADR feature Present	Not Set	
AGS Feature Present	Not Set	
Temperature Display Resolution	Set	
PTC Present	Not Set	
Glovebox Control	Not Set	
Glare Free Present	Not Set	
Brake Type	Reserved	
Suspension Type	Reserved	
Park assist customer settings menu	Feature not present / Absent	
Park assist brake customer settings menu	Not Set	
Park assist front volume customer settings menu	Not Set	
Park assist rear volume customer settings menu	Set	
Electric power steering customer settings menu	Not Set	
Forward collision warning customer settings menu	Feature 2 - 3 Option / Feature 2 - 3 Option	
Auto on driver comfort customer settings menu	Feature 2 3 Option / Feature 2 3 Option	
Auxiliary switches customer settings menu	Switch 1 - 4 Option / Switch 1 - 4 Option	
Rear view camera gridlines customer settings menu	Static + Dynamic / Static + Dynamic	
Unit set customer settings menu	Set	
Power accessory delay customer settings menu	Set	
Ambient dimmer customer settings menu	Not Set	
Tire jack mode customer settings menu	Not Set	

Air suspension warning customer settings menu	Not Set	
Automatic aero mode customer settings menu	Not Set	
Auto high beam customer settings menu	Set	
Auto park customer settings menu	Not Set	
Blind spot alert customer settings menu	Set	
Clock display customer settings menu	Set	
Compass calibration customer settings menu	Not Set	
Compass variance customer settings menu	Not Set	
Consumption unit customer settings menu	Set	
Distance unit customer settings menu	Set	
Auto door lock customer settings menu	Set	
Easy exit seat customer settings menu	Not Set	
Auto entry exit mode customer settings menu	Not Set	
EPB service mode customer settings menu	Not Set	
Headlamp drop customer settings menu	Not Set	
Headlamp off delay customer settings menu	Set	
Headlamps on with wiper customer settings menu	Set	
Passive entry customer settings menu	Set	
Illuminated approach customer settings menu	Set	
Lane departure torque customer settings menu	Not Set	
Lane departure warning customer settings menu	Not Set	
Rear camera customer settings menu	Not Set	
Rain sensitive wipers customer settings menu	Not Set	
Power take off customer settings menu	Not Set	
Pressure unit customer settings menu	Set	
Power unit customer settings menu	Not Set	
Power liftgate chime customer settings menu	Not Set	
Performance shift enable customer settings menu	Not Set	
Rear view camera delay customer settings menu	Set	
RKE unlock customer settings menu	Set	
Speed unit customer settings menu	Set	
Tilt mirror in reverse customer settings menu	Not Set	
Torque unit customer settings menu	Not Set	
Teen Key Fuel Pop up Customer Settings Menu	Not Set	
Teen Key Automatic High Beam Customer Settings Menu	Not Set	
Passenger Airbag On/Off Customer Settings Menu	Not Set	
Forward Collision Warning and Brake Customer Settings Menu	Set	
Doors and Engine Off Power Delay Customer Settings Menu	Set	
Radio Speaker Open Circuit Disable (LF)	Not Set	
Radio Speaker Open Circuit Disable (RF)	Not Set	
Radio Speaker Open Circuit Disable (LR)	Not Set	
Radio Speaker Open Circuit Disable (RR)	Not Set	

ANC Calibration Parameter Data Set	46594	ms
Surround View Camera On/Off Softkey Present	Not Set	
Drive Mode Version	Version 1	
Rear Defrost and Heated Mirrors Present	Both	
Show Phone Information in Cluster	Set	
Auto Dimming Mirror Hard Button Present	Not Set	
Clari Fi Present	Not Set	
Automatic Crash Notification Feature Present	Not Set	
Trailer Hitch Camera Present	Set	
Park Assist Tuning Set	Sahara	
Rear Defrost Presence	Present	
Heated Mirrors Present	Present	
Engine Displacement	Signal Not Available / SNA	
Steering C Factor	Type 3	
Speedometer Tolerance	0 Percent Tolerance	
Increasing speed constant	Increasing 0 KPH	
Tachometer Type	Feature Disabled / DISABLED	
DTV Present	Not Set	
Tri State Comfort Climate Softkey Function Present	Set	

RADIO CONFIGURATION

NAME	VALUE	UNITS
Satellite Subscription ID	EEEE7ECB	
Satellite Subscription Status	Suspended	
Satellite Subscription Reason Code	7E	
Satellite Subscription Suspend Day	01	
Satellite Subscription Suspend Month	01	
Satellite Subscription Suspend Year	01	
911 Button	On	
SDARS	True	
Navigation Active	True	
Cellular	True	
Internal CD Player	False	
Wi-Fi	True	
Bluetooth	True	
Application Framework	True	
FM Diversity	False	
Clock Defeat	Off	
Automated Loudness	On	
Anti Theft Enable Status	On	
12/24 Time Selection	12 Hour Time	
Front Seat Video Playback	Enabled	

Cabin EQ Curve Number Currently Used by Radio	B6	
Splash Screen	Jeep	
Compass on the bus messaging Authorization	Allowed	
GPS on the Bus messaging Authorization	Allowed	
USB Hubs Detected	1	No Unit
SD Card Readers Detected	0	No Unit
Enumerated USB Devices	0	No Unit
Aux Jack	Not Inserted	
DTV Short Term Configuration		

LBSS CONFIGURATION

NAME	VALUE	UNITS
Steering (LHD/RHD)	Left Hand Drive/ LHD	
Teen Key	No	
CFG FEATURE	CFG NONE	

RBSS CONFIGURATION

NAME	VALUE	UNITS
Steering (LHD/RHD)	Left Hand Drive/ LHD	
Teen Key	No	

ABSO CONFIGURATION

NAME	VALUE	UNITS
Vehicle Line Identification	JL	
Displacement	2.0	No Unit
Hybrid Type	PHEV	
Trans Type	ZF_8spd	
Drive Configuration	Selectable 4wd	
Chassis Type	Type 83	
Axle Ratio	4.093	No Unit
Tire Circumference	2499	mm

DASM CONFIGURATION

NAME	VALUE	UNITS
ACC Present	False	
ACC STOP Present	True	
ACC GO Present	False	
FCW Present	True	
LDW Plus Present	False	
Auto High Beam Present	True	
NCC Present	False	





VEHICLE HEALTH REPORT

Vehicle 2022 JEEP WRANGLER 2.0L I4 DOHC DI TURBO PHEV ENGINE
VIN 1C4JJXR61NW261448

Odometer 21469.2 km
Publication Date Nov 6, 2024, 9:56:42 AM

ECU SUMMARY INFO

ECU	NAME	BUS TYPE	FLASH PART #	CURRENT VIN	ORIGINAL VIN	PART #
TCM	Transmission Control Module	CAN C	68563825AF	1C4JJXR61NW261448	1C4JJXR61NW261448	68563825AF
PCM	Powertrain Control Module	CAN-C	05188195AF	1C4JJXR61NW261448	1C4JJXR61NW261448	05188195AF
ASBS	Automatic Sway Bar System	CAN C	68570943AA	JXR61NW2611C4JJXR		68570943AA
ICS	Integrated Center Stack	CAN I	6SX94DX9AE	1C4JJXR61NW261448	1C4JJXR61NW261448	6SX94DX9AE
RFH	Radio Frequency Hub	CAN-C	56029925AB	1C4JJXR61NW261448	1C4JJXR61NW261448	56029925AB
ESM	Electronic Shifter	CAN C	04670716AD	1C4JJXR61NW261448	2015 LA NO VIN	04670716AD
DTCM	Drive Train Control Module	CAN-C	68547689AB	1C4JJXR61NW261448	1C4JJXR61NW261448	68547689AB
ORC	Occupant Restraint	CAN C	68526670AB	1C4JJXR61NW261448	1C4JJXR61NW261448	68526670AB
EPS	Electric Power Steering	CAN-C	68529427AC	1C4JJXR61NW261448	1C4JJXR61NW261448	68529427AC
HVAC	Heat, Ventilation and A/C	CAN-I	52080486AB	1C4JJXR61NW261448	1C4JJXR61NW261448	52080486AB
CSWM	Comfort Seat Wheel Module	CAN I	68530204AB	1C4JJXR61NW261448	1C4JJXR61NW261448	68530204AB
PTCM	Power Top Control Module	CAN-I	68371772AB	1C4JJXR61NW261448	1C4JJXR61NW261448	68371772AB
AMP	Amplifier	CAN I	68549084AC	1C4JJXR61NW261448	1C4JJXR61NW261448	68549084AC
IPC	Instrument Panel Cluster	CAN-C	68525023AB	1C4JJXR61NW261448	1C4JJXR61NW261448	68525023AB
PTS	Parktronics	CAN-C	68441031AC	1C4JJXR61NW261448	1C4JJXR61NW261448	68441031AC
SCCM	Steering Column Control Module	CAN C	68526258AA	1C4JJXR61NW261448	1C4JJXR61NW261448	68526258AA
BCM	Body Controller	CAN-C	68525356AC	1C4JJXR61NW261448	1C4JJXR61NW261448	68525355AC
RADIO	Radio	CAN I	68615156AB	1C4JJX	1C4JJXR61NW261448	68615156AB
OCM	Occupant Classification	CAN-C	68403128AA	1C4JJXR61NW261448	1C4JJXR61NW261448	68403128AA
LBSS	Left Blind Spot Sensor	CAN-I	68454896AA	1C4JJXR61NW261448	1C4JJXR61NW261448	68454896AA

RBSS	Right Blind Spot Sensor	CAN-I	68454896AA	1C4JJXR61NW261448	1C4JJXR61NW261448	68454896AA
BPCM	Battery Pack Control Module	CAN C	05193168AM	1C4JJXR61NW261448	1C4JJXR61NW261448	05193168AM
HCP	Hybrid Control Processor	CAN-C	68540073AH	1C4JJXR61NW261448	1C4JJXR61NW261448	68540073AH
AHCP	Auxiliary Hybrid Control Processor	CAN C	68540084AH	1C4JJXR61NW261448	1C4JJXR61NW261448	68540084AH
ABSO	Anti Lock Brakes OBD	CAN-C	68596542AB	1C4JJXR61NW261448	1C4JJXR61NW261448	68596542AB
SGW	Security Gateway Module	CAN-C	68532299AB		1C4JJXR61NW261448	68532299AB
DPDM	Driver Presence Detection Module	CAN C	68403129AA	1C4JJXR61NW261448	1C4JJXR61NW261448	68403129AA
DASM	Driver Assistance System Module	CAN-C	04672888AC	1C4JJXR61NW261448	1C4JJXR61NW261448	04672888AC
IDCM	Integrated Dual Charge Module	CAN C	05185035AS	1C4JJXR61NW261448	1C4JJXR61NW261448	05185035AS

ECU SUMMARY INFO (CONT...)

ECU	COUNTRY CODE	HARDWARE VERSION	SOFTWARE VERSION	IDENT	SERIAL NUMBER	CVNS
TCM	USA / USA	13 05 0E	18 04 00	4700	T05UM089222148	BE1FEB48
PCM	USA	1D 47	21 22 00	4928	T00EP1862KVNAX	B028D3B7
ASBS	USA	10 01 00	15 0E 01	4500		
ICS	USA	10 1E 00	14 33 00	4802	T159210517	
RFH	USA / USA	10 17 00	15 1D 00	4604	T04Z21742R0071	
ESM	USA	13 0C 00	12 2A 00	4322	T5N171210778	
DTCM	USA	11 22 00	15 0A 01	4501	TH1YC190236EPC	
ORC	USA	14 0B 00	14 12 01	4501	T02JF1892G311F	
EPS	USA	10 13 00	14 31 DC	4005	TFD0442C0220	
HVAC	USA	13 20 00	15 01 01	4420	TCB291772B0514	
CSWM	USA	11 2A 00	15 06 00	4202	TJL6B181200352	
PTCM	USA	11 1A 21	12 12 60	4101	T170867XXX12	
AMP	USA	21 01 01	15 29 00	4034	TH1AA1942G2192	
IPC	USA	21 2C 00	15 2C 01	4805	JLZ7176250KZ	
PTS	USA	10 32 01	13 24 03	4401	??????????????	
SCCM	USA	13 28 00	13 29 00	4301	S15020274	
BCM	USA	0D 11 00	15 21 50	4630	T1C196225134	
RADIO	USA	16 27 13	16 27 13	8205	T M9175201210	
OCM	USA	11 31 01	11 07 04	4060	TJLJY1752150ES	
LBSS	USA	11 23 01	12 25 00	4204	TJL 193240522	
RBSS	USA	11 23 01	12 25 00	4204	TJL 195240029	
BPCM	Rest of world / ROW	14 20 05	17 21 43	5704	TAA611992C0601	5A32814F
HCP	USA	16 09 06	17 13 01	5403	TVS9H1332Z0358	1EF499B5 19903A88 4B0D83D8

AHCP	USA	16 09 06	14 33 01	5600		
ABSO	USA	15 2F 00	16 18 03	4300	T6WOL1912L0758	487C0506
SGW		5	1125	4103	TF1161742J0C9A0	
DPDM	USA	11 31 01	11 0F 04	4510	TJLJY18221627W	
DASM	USA	11 0E 00	15 26 01	401C	T037M165220111	
IDCM	USA	15 0E 00	16 1C 00	4000	TD60A1822D8590	

FLASHES

PTS | 2020 - 2024 JL PARKTRONIC SYSTEM 1

Applicable Bulletins

NUMBER	TYPE	RSU #	DESCRIPTION
08 108 24	TSB		Flash: Park Assist Module (PAM) Updates

RSUS

RSU #	DESCRIPTION	STATUS
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RECALLS

RECALL #	DESCRIPTION	STATUS
04B	Safety Recall 04B - Defrost	Complete
95B	Safety Recall 95B High Voltage Battery	Incomplete
ZB7	Safety Recall ZB7 - Loss of Motive Power	Complete

DTC SUMMARY

ECU	DTC CODE	DTC DESCRIPTION	STATUS
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ENVIRONMENTAL DATA SUMMARY

No Environmental Data available





VEHICLE HEALTH REPORT

Vehicle 2022 JEEP WRANGLER 2.0L I4 DOHC DI TURBO PHEV ENGINE
VIN 1C4JJXR61NW261448

Odometer 21526.8 km
Publication Date Nov 20, 2024, 9:21:15 AM

ECU SUMMARY INFO

ECU	NAME	BUS TYPE	FLASH PART #	CURRENT VIN	ORIGINAL VIN	PART #
TCM	Transmission Control Module	CAN C	68563825AF	1C4JJXR61NW261448	1C4JJXR61NW261448	68563825AF
PCM	Powertrain Control Module	CAN-C	05188195AF	1C4JJXR61NW261448	1C4JJXR61NW261448	05188195AF
ASBS	Automatic Sway Bar System	CAN C	68570943AA	JXR61NW2611C4JJXR		68570943AA
ICS	Integrated Center Stack	CAN I	6SX94DX9AE	1C4JJXR61NW261448	1C4JJXR61NW261448	6SX94DX9AE
RFH	Radio Frequency Hub	CAN-C	56029925AB	1C4JJXR61NW261448	1C4JJXR61NW261448	56029925AB
ESM	Electronic Shifter	CAN C	04670716AD	1C4JJXR61NW261448	2015 LA NO VIN	04670716AD
DTCM	Drive Train Control Module	CAN-C	68547689AB	1C4JJXR61NW261448	1C4JJXR61NW261448	68547689AB
ORC	Occupant Restraint	CAN C	68526670AB	1C4JJXR61NW261448	1C4JJXR61NW261448	68526670AB
EPS	Electric Power Steering	CAN-C	68529427AC	1C4JJXR61NW261448	1C4JJXR61NW261448	68529427AC
HVAC	Heat, Ventilation and A/C	CAN-I	52080486AB	1C4JJXR61NW261448	1C4JJXR61NW261448	52080486AB
CSWM	Comfort Seat Wheel Module	CAN I	68530204AB	1C4JJXR61NW261448	1C4JJXR61NW261448	68530204AB
PTCM	Power Top Control Module	CAN-I	68371772AB	1C4JJXR61NW261448	1C4JJXR61NW261448	68371772AB
AMP	Amplifier	CAN I	68549084AC	1C4JJXR61NW261448	1C4JJXR61NW261448	68549084AC
IPC	Instrument Panel Cluster	CAN-C	68525023AB	1C4JJXR61NW261448	1C4JJXR61NW261448	68525023AB
PTS	Parktronics	CAN-C	68441031AC	1C4JJXR61NW261448	1C4JJXR61NW261448	68441031AC
SCCM	Steering Column Control Module	CAN C	68526258AA	1C4JJXR61NW261448	1C4JJXR61NW261448	68526258AA
BCM	Body Controller	CAN-C	68525356AC	1C4JJXR61NW261448	1C4JJXR61NW261448	68525355AC
RADIO	Radio	CAN I	68615156AB	1C4JJX	1C4JJXR61NW261448	68615156AB
OCM	Occupant Classification	CAN-C	68403128AA	1C4JJXR61NW261448	1C4JJXR61NW261448	68403128AA
LBSS	Left Blind Spot Sensor	CAN-I	68454896AA	1C4JJXR61NW261448	1C4JJXR61NW261448	68454896AA

RBSS	Right Blind Spot Sensor	CAN-I	68454896AA	1C4JJXR61NW261448	1C4JJXR61NW261448	68454896AA
BPCM	Battery Pack Control Module	CAN C	05193168AM	1C4JJXR61NW261448	1C4JJXR61NW261448	05193168AM
HCP	Hybrid Control Processor	CAN-C	68540073AH	1C4JJXR61NW261448	1C4JJXR61NW261448	68540073AH
AHCP	Auxiliary Hybrid Control Processor	CAN C	68540084AH	1C4JJXR61NW261448	1C4JJXR61NW261448	68540084AH
ABSO	Anti Lock Brakes OBD	CAN-C	68596542AB	1C4JJXR61NW261448	1C4JJXR61NW261448	68596542AB
SGW	Security Gateway Module	CAN-C	68532299AB		1C4JJXR61NW261448	68532299AB
DPDM	Driver Presence Detection Module	CAN C	68403129AA	1C4JJXR61NW261448	1C4JJXR61NW261448	68403129AA
DASM	Driver Assistance System Module	CAN-C	04672888AC	1C4JJXR61NW261448	1C4JJXR61NW261448	04672888AC
IDCM	Integrated Dual Charge Module	CAN C	05185035AS	1C4JJXR61NW261448	1C4JJXR61NW261448	05185035AS

ECU SUMMARY INFO (CONT...)

ECU	COUNTRY CODE	HARDWARE VERSION	SOFTWARE VERSION	IDENT	SERIAL NUMBER	CVNS
TCM	USA / USA	13 05 0E	18 04 00	4700	T05UM089222148	BE1FEB48
PCM	USA	1D 47	21 22 00	4928	T00EP1862KVNAX	B028D3B7
ASBS	USA	10 01 00	15 0E 01	4500		
ICS	USA	10 1E 00	14 33 00	4802	T159210517	
RFH	USA / USA	10 17 00	15 1D 00	4604	T04Z21742R0071	
ESM	USA	13 0C 00	12 2A 00	4322	T5N171210778	
DTCM	USA	11 22 00	15 0A 01	4501	TH1YC190236EPC	
ORC	USA	14 0B 00	14 12 01	4501	T02JF1892G311F	
EPS	USA	10 13 00	14 31 DC	4005	TFD0442C0220	
HVAC	USA	13 20 00	15 01 01	4420	TCB291772B0514	
CSWM	USA	11 2A 00	15 06 00	4202	TJL6B181200352	
PTCM	USA	11 1A 21	12 12 60	4101	T170867XXX12	
AMP	USA	21 01 01	15 29 00	4034	TH1AA1942G2192	
IPC	USA	21 2C 00	15 2C 01	4805	JLZ7176250KZ	
PTS	USA	10 32 01	13 24 03	4401	??????????????	
SCCM	USA	13 28 00	13 29 00	4301	S15020274	
BCM	USA	0D 11 00	15 21 50	4630	T1C196225134	
RADIO	USA	16 27 13	16 27 13	8205	T M9175201210	
OCM	USA	11 31 01	11 07 04	4060	TJLJY1752150ES	
LBSS	USA	11 23 01	12 25 00	4204	TJL 193240522	
RBSS	USA	11 23 01	12 25 00	4204	TJL 195240029	
BPCM	Rest of world / ROW	14 20 05	17 21 43	5704	TAA6I1992C0601	5A32814F
HCP	USA	16 09 06	17 13 01	5403	TVS9H1332Z0358	1EF499B5 19903A88 4B0D83D8

AHCP	USA	16 09 06	14 33 01	5600		
ABSO	USA	15 2F 00	16 18 03	4300	T6WOL1912L0758	487C0506
SGW		5	1125	4103	TF1161742J0C9A0	
DPDM	USA	11 31 01	11 0F 04	4510	TJLJY18221627W	
DASM	USA	11 0E 00	15 26 01	401C	T037M165220111	
IDCM	USA	15 0E 00	16 1C 00	4000	TD60A1822D8590	

FLASHES

PTS | 2020 - 2024 JL PARKTRONIC SYSTEM 1

Applicable Bulletins

NUMBER	TYPE	RSU #	DESCRIPTION
08 108 24	TSB		Flash: Park Assist Module (PAM) Updates

RSUS

RSU #	DESCRIPTION	STATUS
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RECALLS

RECALL #	DESCRIPTION	STATUS
04B	Safety Recall 04B - Defrost	Complete
95B	Safety Recall 95B High Voltage Battery	Incomplete
ZB7	Safety Recall ZB7 - Loss of Motive Power	Complete

DTC SUMMARY

ECU	DTC CODE	DTC DESCRIPTION	STATUS
TCM	U1267-00	No Valid Data Available from ESM on CAN-C or CAN D-PT-	Stored
TCM	U1412 00	Implausible Vehicle Speed Signal Received	Active
TCM	U0415-00	Invalid Data Received from Anti-Lock Brake System (ABS) Control Module "A"-	Pending
TCM	U0400-00	Implausible Data Received From Other ECU-	Stored
TCM	P0B09 00	Auxiliary Transmission Fluid Pump 1 Motor Supply Voltage Circuit/Open	Stored
PCM	U140C	Implausible Right Rear Wheel Speed Signal Received	Active
PCM	U140B	Implausible Left Rear Wheel Speed Signal Received	Active
PCM	U140A	Implausible Right Front Wheel Speed Signal Received	Active
PCM	U1409	Implausible Left Front Wheel Speed Signal Received	Active
ASBS	C2129 16	Battery Voltage Circuit Voltage Below Threshold	Stored
ASBS	C212A-16	System Voltage-Circuit Voltage Below Threshold	Stored
ASBS	U0415 00	Invalid Data Received from Anti Lock Brake System (ABS) Control Module "A"	Active
ICS	B210A-00	System Voltage Low-	Stored
ICS	B210D 00	Battery Voltage Low	Stored
RFH	B21DD 84	System Voltage Signal Below Allowable Range	Stored
RFH	B2199-16	Battery Voltage-Circuit Voltage Below Threshold	Stored
ESM	P1C8B 16	Battery Voltage Circuit Voltage Below Threshold	Stored



ESM	P1C8C-16	System Voltage-Circuit Voltage Below Threshold	Stored
DTCM	U0415 00	Invalid Data Received from Anti Lock Brake System (ABS) Control Module "A"	Active
EPS	C2129-16	Battery Voltage-Circuit Voltage Below Threshold	Stored
EPS	U0415 00	Invalid Data Received from Anti Lock Brake System (ABS) Control Module "A"	Active
EPS	C212A-16	System Voltage-Circuit Voltage Below Threshold	Stored
HVAC	U0422-00	Implausible Data Received From Body Control Module-	Active
HVAC	B2199 16	Battery Voltage Circuit Voltage Below Threshold	Stored
HVAC	B21DD-84	System Voltage-Signal Below Allowable Range	Stored
CSWM	B2199 16	Battery Voltage Circuit Voltage Below Threshold	Stored
CSWM	B11C1-13	Steering Wheel Heater Power Supply Circuit-Circuit Open	Stored
CSWM	B21DD 84	System Voltage Signal Below Allowable Range	Stored
PTCM	U0011 00	CAN Interior Bus Off Performance	Stored
PTCM	B2590-16	Roof Motor "B" Power Supply-Circuit Voltage Below Threshold	Stored
PTCM	B2199 16	Battery Voltage Circuit Voltage Below Threshold	Stored
PTCM	B21DD-84	System Voltage-Signal Below Allowable Range	Stored
AMP	B21DD 84	System Voltage Signal Below Allowable Range	Stored
IPC	B21DD 84	System Voltage Signal Below Allowable Range	Stored
PTS	U0415-00	Invalid Data Received from Anti-Lock Brake System (ABS) Control Module "A"-	Active
PTS	B21DD 16	System Voltage Circuit Voltage Below Threshold	Stored
PTS	B210C-16	Battery Voltage Input-Circuit Voltage Below Threshold	Stored
SCCM	C212A 16	System Voltage Circuit Voltage Below Threshold	Stored
BCM	U151E 00	Pedestrian Alert Control Module received implausible data from the BCM	Active
BCM	B2199-16	Battery Voltage-Circuit Voltage Below Threshold	Stored
RADIO	B210A 16	System Voltage Low Circuit Voltage Below Threshold	Active
OCM	C212A-16	System Voltage-Circuit Voltage Below Threshold	Stored
LBSS	B21DD 84	System Voltage Signal Below Allowable Range	Stored
LBSS	B2199-16	Battery Voltage-Circuit Voltage Below Threshold	Stored
LBSS	U0422-00	Implausible Data Received From Body Control Module-	Active
RBSS	B21DD 84	System Voltage Signal Below Allowable Range	Stored
RBSS	B2199-16	Battery Voltage-Circuit Voltage Below Threshold	Stored
RBSS	U0422 00	Implausible Data Received From Body Control Module	Active
BPCM	P0B10-00	Hybrid/EV Battery Pack Current Sensor 2 Circuit Low-	Stored
BPCM	P1A0C-00	Battery Energy Control Module System Voltage Low-	Stored
BPCM	P0562 00	System Voltage Low	Stored
BPCM	U064A-00	Lost Communication with Hybrid/EV Battery Pack Current Sensor "A"-	Stored
BPCM	U0293 00	Lost Communication with Hybrid Control Module "A"	Stored
HCP	P2534-00	Ignition Switch On/Start Position Circuit Low-	Stored
HCP	P2537-00	Ignition Switch Accessory Position Circuit Low-	Stored
HCP	B12B4 00	Charge Status Indicator Module Internal	Stored
HCP	P0562-00	System Voltage Low-	Stored
HCP	U0415 00	Invalid Data Received from Anti Lock Brake System (ABS) Control Module "A"	Active
HCP	U3501-00	Control Module Input Power "A" Circuit Low-	Pending

ABSO	C2100-00	Battery Voltage Low-	Active
ABSO	C2102 00	System Voltage Low	Stored
ABSO	U3006-00	Control Module Input Power "A" Circuit/Open-	Stored
ABSO	U3007 00	Control Module Input Power "B" Circuit/Open	Stored
ABSO	C221F-00		Stored
SGW	B2199-16	Battery Voltage-Circuit Voltage Below Threshold	Stored
DPDM	C212A 16	System Voltage Circuit Voltage Below Threshold	Stored
DASM	C2129-16	Battery Voltage-Circuit Voltage Below Threshold	Stored
DASM	C2225 00	PCM Disabled ECU	Active
DASM	C2227-00	ABS Disabled ECU-	Active
DASM	C0063 9A	Yaw Rate Sensor Component or System Operating Conditions	Active
DASM	U0415 00	Invalid Data Received from Anti Lock Brake System (ABS) Control Module "A"	Active
DASM	C212A-84	System Voltage-Signal Below Allowable Range	Stored
IDCM	U3501 00	Control Module Input Power "A" Circuit Low	Stored

ENVIRONMENTAL DATA SUMMARY

TCM | U1267-00 | Stored | No Valid Data Available from ESM on CAN-C or CAN D-PT-

NAME	VALUE	UNITS
DTC	D2 67 00	
Test Failed	False	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number - All	01	
Occurrence flag	Error	
Original Odometer Value	21520	km
Most Recent Odometer Value	21520	km
Frequency Counter	1	
Ignition Cycle Counter	0	

TCM | U1412-00 | Active | Implausible Vehicle Speed Signal Received-

NAME	VALUE	UNITS
DTC	D4 12 00	
Test Failed	True	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Confirmed DTC	False	

Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number - All	01	
Occurrence flag	Error	
Original Odometer Value	21520	km
Most Recent Odometer Value	21520	km
Frequency Counter	2	
Ignition Cycle Counter	0	

TCM | U0415-00 | Pending | Invalid Data Received from Anti-Lock Brake System (ABS) Control Module "A"-

NAME	VALUE	UNITS
DTC	C4 15 00	
Test Failed	False	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Confirmed DTC	False	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number All	01	
Occurrence flag	Error	
Original Odometer Value	21520	km
Most Recent Odometer Value	21520	km
Frequency Counter	1	
Ignition Cycle Counter	0	

TCM | U0400-00 | Stored | Implausible Data Received From Other ECU-

NAME	VALUE	UNITS
DTC	C4 00 00	
Test Failed	False	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number All	01	
Occurrence flag	Error	

Original Odometer Value	21520	km
Most Recent Odometer Value	21520	km
Frequency Counter	1	
Ignition Cycle Counter	0	

TCM | P0B09-00 | Stored | Auxiliary Transmission Fluid Pump 1 Motor Supply Voltage Circuit/Open-

NAME	VALUE	UNITS
DTC	0B 09 00	
Test Failed	False	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	True	
DTC Extended Data Record Number - All	01	
Occurrence flag	Error	
Original Odometer Value	21520	km
Most Recent Odometer Value	21520	km
Frequency Counter	5	
Ignition Cycle Counter	0	

PCM | U140C | Active | Implausible Right Rear Wheel Speed Signal Received

NAME	VALUE	UNITS
Number of DTC	1	
DTC	D4 0C	
DTC Readiness Flag	Not Complete	
DTC Storage State	Active	
Warning Indicator Request State	Off	
Odometer	21235.2	km
Accumulation Timer	1	minutes
Ignition Key Cycles	0	
Starts Since Set Counter	0	
Key Cycles Since DTC Last Set Counter	0	
Warm Up Cycles	0	
Good Trip Counter	0	

PCM | U140B | Active | Implausible Left Rear Wheel Speed Signal Received

NAME	VALUE	UNITS
Number of DTC	1	
DTC	D4 0B	

DTC Readiness Flag	Not Complete	
DTC Storage State	Active	
Warning Indicator Request State	Off	
Odometer	21235.2	km
Accumulation Timer	1	minutes
Ignition Key Cycles	0	
Starts Since Set Counter	0	
Key Cycles Since DTC Last Set Counter	0	
Warm Up Cycles	0	
Good Trip Counter	0	

PCM | U140A | Active | Implausible Right Front Wheel Speed Signal Received

NAME	VALUE	UNITS
Number of DTC	1	
DTC	D4 0A	
DTC Readiness Flag	Not Complete	
DTC Storage State	Active	
Warning Indicator Request State	Off	
Odometer	21235.2	km
Accumulation Timer	1	minutes
Ignition Key Cycles	0	
Starts Since Set Counter	0	
Key Cycles Since DTC Last Set Counter	0	
Warm Up Cycles	0	
Good Trip Counter	0	

PCM | U1409 | Active | Implausible Left Front Wheel Speed Signal Received

NAME	VALUE	UNITS
Number of DTC	1	
DTC	D4 09	
DTC Readiness Flag	Not Complete	
DTC Storage State	Active	
Warning Indicator Request State	Off	
Odometer	21235.2	km
Accumulation Timer	1	minutes
Ignition Key Cycles	0	
Starts Since Set Counter	0	
Key Cycles Since DTC Last Set Counter	0	
Warm Up Cycles	0	
Good Trip Counter	0	

ASBS | C2129-16 | Stored | Battery Voltage-Circuit Voltage Below Threshold



NAME	VALUE	UNITS
DTC	61 29 16	
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number - All	FF	
Occurrence flag	Occurrence	
Original Odometer Value	21520	km
Most Recent Odometer Value	21520	km
Frequency Counter	2	
Ignition Cycle Counter	1	
Vehicle Speed (Vehicle Bus)	0	km/h

ASBS | C212A-16 | Stored | System Voltage-Circuit Voltage Below Threshold

NAME	VALUE	UNITS
DTC	61 2A 16	
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number All	FF	
Occurrence flag	Occurrence	
Original Odometer Value	21520	km
Most Recent Odometer Value	21520	km
Frequency Counter	3	
Ignition Cycle Counter	1	
Vehicle Speed (Vehicle Bus)	0	km/h

ASBS | U0415-00 | Active | Invalid Data Received from Anti-Lock Brake System (ABS) Control Module "A"-

NAME	VALUE	UNITS
DTC	C4 15 00	
Test Failed	True	
Test Failed This Operation Cycle	True	

Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number All	FF	
Occurrence flag	Error	
Original Odometer Value	21520	km
Most Recent Odometer Value	21520	km
Frequency Counter	1	
Ignition Cycle Counter	0	
Vehicle Speed (Vehicle Bus)	512	km/h

ICS | B210A-00 | Stored | System Voltage Low-

NAME	VALUE	UNITS
DTC	A1 0A 00	
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number All	01	
Occurrence flag	Occurrence	
Original Odometer Value	21520	km
Most Recent Odometer Value	21520	km
Frequency Counter	4	
Ignition Cycle Counter	1	

ICS | B210D-00 | Stored | Battery Voltage Low-

NAME	VALUE	UNITS
DTC	A1 0D 00	
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	

Warning Indicator Requested	False	
DTC Extended Data Record Number All	01	
Occurrence flag	Occurrence	
Original Odometer Value	21520	km
Most Recent Odometer Value	21520	km
Frequency Counter	4	
Ignition Cycle Counter	1	

RFH | B21DD-84 | Stored | System Voltage-Signal Below Allowable Range

NAME	VALUE	UNITS
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	False	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number All	01	
Occurrence flag	Error	
Original Odometer Value	21520	km
Most Recent Odometer Value	21520	km
Frequency Counter	2	
Ignition Cycle Counter	1	

RFH | B2199-16 | Stored | Battery Voltage-Circuit Voltage Below Threshold

NAME	VALUE	UNITS
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	False	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number All	01	
Occurrence flag	Error	
Original Odometer Value	21520	km
Most Recent Odometer Value	21520	km
Frequency Counter	4	
Ignition Cycle Counter	1	

ESM | P1C8B-16 | Stored | Battery Voltage-Circuit Voltage Below Threshold

NAME	VALUE	UNITS
DTC	1C 8B 16	
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
Occurrence flag	Occurrence	
Original Odometer Value	21520	km
Most Recent Odometer Value	21520	km
Frequency Counter	2	
Ignition Cycle Counter	2	

ESM | P1C8C-16 | Stored | System Voltage-Circuit Voltage Below Threshold

NAME	VALUE	UNITS
DTC	1C 8C 16	
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
Occurrence flag	Occurrence	
Original Odometer Value	21520	km
Most Recent Odometer Value	21520	km
Frequency Counter	2	
Ignition Cycle Counter	2	

DTCM | U0415-00 | Active | Invalid Data Received from Anti-Lock Brake System (ABS) Control Module "A"-

NAME	VALUE	UNITS
DTC	C4 15 00	
Test Failed	True	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	False	

Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number - All	01	
Occurrence flag	Occurrence	
Original Odometer Value	21520	km
Most Recent Odometer Value	21520	km
Frequency Counter	1	
Ignition Cycle Counter	0	
System Battery Voltage	11.6	Volts
Module Battery Voltage	11.4	Volts
Transference motor position sensor supply voltage	5.019	Volts
Transference Motor Current	44.17	Amps
Transference Position Sensor	3.51	Volts
DTCM Temperature	14	°C
Transference Motor Duty Cycle	0.0	%
Transference Motor Direction State	Electrical Braking	
Front Axle Locker Sensor Feedback	Disengaged	
Rear Axle Locker Sensor Feedback	Disengaged	
Front Axle Locker Low side Driver	Disengaged	
Rear Axle Locker Low side Driver	Disengaged	
FAD Supply Power Voltage	0.8	Volts
FAD Feedback Status	SNA	
FAD Feedback Voltage	0.2	Volts
FAD Lock request	Disengaged	
Transference Mode Switch	4 HI Auto	
Time Since Last Ignition On	0	minutes
Vehicle Speed	SNA	km/hr
Left Front Wheel Speed	3FFF	rpm
Right Front Wheel Speed	3FFF	rpm
Left Rear Wheel Speed	3FFF	rpm
Right Rear Wheel Speed	3FFF	rpm
Brake Pedal	Brake Not Operated	
ESP Requested Center (Transference) Differential State	DTCM Control (Free)	
ESP Requested Center Differential Torque	0	N*m
Steering Wheel Angle	11.5	degrees
Delta Steering Wheel Angle	0.0	degrees
Ambient Air Temperature	13.0	°C
PRNDL Display	P	
Transmission Current Gear	P	
Throttle Pedal Position	0.0	%
Static Engine/Electric Motor Torque	2.00	N*m
Engine RPM	SNA	rpm

Actual Mode of Transference Clutch	SNA	
Actual Transference Clutch Lock Torque	0	N*m
Desired Transference Clutch Lock Torque	0	N*m
T Case Motor Incremental Position Sensor (IPS)	0.813	degrees
T-Case Clutch Wear IPS Position	13.422	degrees
DTCM Internal DTC Reason	No Error	
Transfer Case Shift Inhibited	No	
Transference Status	2WD	
Axle Locker Status (Bus)	Unlocked	
Clutch Calibration Not Learned reason	04	
Electric Motor RPM	0	rpm
T Case Clutch Wear Position (Initial)		degrees

EPS | C2129-16 | Stored | Battery Voltage-Circuit Voltage Below Threshold

NAME	VALUE	UNITS
DTC	61 29 16	
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
Occurrence flag	Occurrence	
Original Odometer Value	21520	km
Most Recent Odometer Value	21520	km
Frequency Counter	2	
Ignition Cycle Counter	2	

EPS | U0415-00 | Active | Invalid Data Received from Anti-Lock Brake System (ABS) Control Module "A"-

NAME	VALUE	UNITS
DTC	C4 15 00	
Test Failed	True	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
Occurrence flag	Error	

Original Odometer Value	21520	km
Most Recent Odometer Value	21520	km
Frequency Counter	1	
Ignition Cycle Counter	0	

EPS | C212A-16 | Stored | System Voltage-Circuit Voltage Below Threshold

NAME	VALUE	UNITS
DTC	61 2A 16	
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
Occurrence flag	Occurrence	
Original Odometer Value	21520	km
Most Recent Odometer Value	21520	km
Frequency Counter	2	
Ignition Cycle Counter	2	

HVAC | U0422-00 | Active | Implausible Data Received From Body Control Module-

NAME	VALUE	UNITS
Test Failed	True	
Test Failed This Operation Cycle	True	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
Occurrence flag	Error	
Original Odometer Value	21520	km
Most Recent Odometer Value	21520	km
Frequency Counter	1	
Ignition Cycle Counter	0	

HVAC | B2199-16 | Stored | Battery Voltage-Circuit Voltage Below Threshold

NAME	VALUE	UNITS
Test Failed	False	
Test Failed This Operation Cycle	False	

Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
Occurrence flag	Error	
Original Odometer Value	21520	km
Most Recent Odometer Value	21520	km
Frequency Counter	2	
Ignition Cycle Counter	1	

HVAC | B21DD-84 | Stored | System Voltage-Signal Below Allowable Range

NAME	VALUE	UNITS
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
Occurrence flag	Error	
Original Odometer Value	21520	km
Most Recent Odometer Value	21520	km
Frequency Counter	2	
Ignition Cycle Counter	1	

CSWM | B2199-16 | Stored | Battery Voltage-Circuit Voltage Below Threshold

NAME	VALUE	UNITS
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number All	00	
Occurrence flag	Occurrence	
Original Odometer Value	21520	km
Most Recent Odometer Value	21520	km

Frequency Counter	2	
Ignition Cycle Counter	2	

CSWM | B11C1-13 | Stored | Steering Wheel Heater Power Supply Circuit-Circuit Open

NAME	VALUE	UNITS
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number All	00	
Occurrence flag	Error	
Original Odometer Value	21520	km
Most Recent Odometer Value	21520	km
Frequency Counter	2	
Ignition Cycle Counter	1	

CSWM | B21DD-84 | Stored | System Voltage-Signal Below Allowable Range

NAME	VALUE	UNITS
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number All	00	
Occurrence flag	Occurrence	
Original Odometer Value	21520	km
Most Recent Odometer Value	21520	km
Frequency Counter	2	
Ignition Cycle Counter	2	

PTCM | U0011-00 | Stored | CAN Interior Bus Off Performance-

NAME	VALUE	UNITS
Test Failed	False	
Test Failed This Operation Cycle	True	
Pending DTC	True	

Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number - All	01	
Occurrence flag	Error	
Original Odometer Value	21520	km
Most Recent Odometer Value	21520	km
Frequency Counter	2	
Ignition Cycle Counter	2	

No Environmental Data available for B2590 16

PTCM | B2199-16 | Stored | Battery Voltage-Circuit Voltage Below Threshold

NAME	VALUE	UNITS
Test Failed	False	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number - All	01	
Occurrence flag	Error	
Original Odometer Value	21520	km
Most Recent Odometer Value	21520	km
Frequency Counter	2	
Ignition Cycle Counter	1	

PTCM | B21DD-84 | Stored | System Voltage-Signal Below Allowable Range

NAME	VALUE	UNITS
Test Failed	False	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number - All	01	
Occurrence flag	Error	

Original Odometer Value	21520	km
Most Recent Odometer Value	21520	km
Frequency Counter	3	
Ignition Cycle Counter	1	

AMP | B21DD-84 | Stored | System Voltage-Signal Below Allowable Range

NAME	VALUE	UNITS
DTC	A1 DD 84	
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number - All	FF	
Occurrence flag	Occurrence	
Original Odometer Value	21520	km
Most Recent Odometer Value	21520	km
Frequency Counter	2	
Ignition Cycle Counter	1	

IPC | B21DD-84 | Stored | System Voltage-Signal Below Allowable Range

NAME	VALUE	UNITS
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number All	01	
Occurrence flag	Occurrence	
Original Odometer Value	21520	km
Most Recent Odometer Value	21520	km
Frequency Counter	2	
Ignition Cycle Counter	2	

PTS | U0415-00 | Active | Invalid Data Received from Anti-Lock Brake System (ABS) Control Module "A"-

NAME	VALUE	UNITS
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DTC	C4 15 00	
Test Failed	True	
Test Failed This Operation Cycle	True	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number - All	01	
Occurrence flag	Occurrence	
Original Odometer Value	21520	km
Most Recent Odometer Value	21520	km
Frequency Counter	1	

PTS | B21DD-16 | Stored | System Voltage-Circuit Voltage Below Threshold

NAME	VALUE	UNITS
DTC	A1 DD 16	
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number - All	01	
Occurrence flag	Occurrence	
Original Odometer Value	21520	km
Most Recent Odometer Value	21520	km
Frequency Counter	2	

PTS | B210C-16 | Stored | Battery Voltage Input-Circuit Voltage Below Threshold

NAME	VALUE	UNITS
DTC	A1 0C 16	
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	

Warning Indicator Requested	False	
DTC Extended Data Record Number All	01	
Occurrence flag	Occurrence	
Original Odometer Value	21520	km
Most Recent Odometer Value	21520	km
Frequency Counter	3	

SCCM | C212A-16 | Stored | System Voltage-Circuit Voltage Below Threshold

NAME	VALUE	UNITS
DTC	61 2A 16	
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number All	01	
Occurrence flag	Error	
Original Odometer Value	21456	km
Most Recent Odometer Value	21520	km
Frequency Counter	6	
Ignition Cycle Counter	1	
DTC Extended Data Record Number - 2	02	
Ignition Status	Ignition Run	
Operating Voltage	9.2	Volts
Sub Faults Saved	00 00	
Sub Faults Active	00 01	

BCM | U151E-00 | Active | Pedestrian Alert Control Module received implausible data from the BCM-

NAME	VALUE	UNITS
Test Failed	True	
Test Failed This Operation Cycle	True	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number All	01	
Occurrence flag	Error	

Original Odometer Value	21520	km
Most Recent Odometer Value	21520	km
Frequency Counter	1	
Ignition Cycle Counter	0	

BCM | B2199-16 | Stored | Battery Voltage-Circuit Voltage Below Threshold

NAME	VALUE	UNITS
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number All	01	
Occurrence flag	Error	
Original Odometer Value	21520	km
Most Recent Odometer Value	21520	km
Frequency Counter	4	
Ignition Cycle Counter	2	

RADIO | B210A-16 | Active | System Voltage Low-Circuit Voltage Below Threshold

NAME	VALUE	UNITS
DTCTable	A1 0A 16	
TestFailed	True	
TestFailedThisMonitoringCycle	True	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed This Monitoring Cycle	False	
Warning Indicator Requested	False	
DTCExtendedDataRecordNumber	FF	
Occurance Flag	Occurrence	
Reserved	Reserved	
Original Odometer Value	21520	km
Most Recent Odometer Value	21520	km
Frequency Counter	1	
Ignition Counter	0	
RDI \$6080	60 80	
Event Counter	64	

OCM | C212A-16 | Stored | System Voltage-Circuit Voltage Below Threshold

NAME	VALUE	UNITS
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
Occurrence flag	Error	
Original Odometer Value	21520	km
Most Recent Odometer Value	21520	km
Frequency Counter	3	
Ignition Cycle Counter	2	

LBSS | B21DD-84 | Stored | System Voltage-Signal Below Allowable Range

NAME	VALUE	UNITS
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number - All	01	
Occurrence flag	Occurrence	
Original Odometer Value	21520	km
Most Recent Odometer Value	21520	km
Frequency Counter	2	
Operation Cycle Counter	1	

LBSS | B2199-16 | Stored | Battery Voltage-Circuit Voltage Below Threshold

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

DTC Extended Data Record Number - All	01	
Occurrence flag	Occurrence	
Original Odometer Value	21520	km
Most Recent Odometer Value	21520	km
Frequency Counter	2	
Operation Cycle Counter	2	

LBSS | U0422-00 | Active | Implausible Data Received From Body Control Module-

NAME	VALUE	UNITS
Test Failed	True	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	True	
DTC Extended Data Record Number - All	01	
Occurrence flag	Occurrence	
Original Odometer Value	21520	km
Most Recent Odometer Value	21520	km
Frequency Counter	1	
Operation Cycle Counter	0	

RBSS | B21DD-84 | Stored | System Voltage-Signal Below Allowable Range

NAME	VALUE	UNITS
DTC	A1 DD 84	
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number - All	01	
Occurrence flag	Occurrence	
Original Odometer Value	21520	km
Most Recent Odometer Value	21520	km
Frequency Counter	2	
Operation Cycle Counter	1	
DTC Extended Data Record Number - Record #2	02	

Vehicle Line	Correct	
Vehicle Config Stat	OK	
Model Year	Correct	
Country Code	Correct	
BSS Desired Operating Mode	Init	
BSS Current Operating Mode	BSM	

RBSS | B2199-16 | Stored | Battery Voltage-Circuit Voltage Below Threshold

NAME	VALUE	UNITS
DTC	A1 99 16	
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number All	01	
Occurrence flag	Occurrence	
Original Odometer Value	21520	km
Most Recent Odometer Value	21520	km
Frequency Counter	2	
Operation Cycle Counter	2	
DTC Extended Data Record Number - Record #2	02	
Vehicle Line	Correct	
Vehicle Config Stat	OK	
Model Year	Correct	
Country Code	Correct	
BSS Desired Operating Mode	Init	
BSS Current Operating Mode	Init	

RBSS | U0422-00 | Active | Implausible Data Received From Body Control Module-

NAME	VALUE	UNITS
DTC	C4 22 00	
Test Failed	True	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	

Warning Indicator Requested	True	
DTC Extended Data Record Number All	01	
Occurrence flag	Occurrence	
Original Odometer Value	21520	km
Most Recent Odometer Value	21520	km
Frequency Counter	1	
Operation Cycle Counter	0	
DTC Extended Data Record Number - Record #2	02	
Vehicle Line	Correct	
Vehicle Config Stat	OK	
Model Year	Correct	
Country Code	Correct	
BSS Desired Operating Mode	Init	
BSS Current Operating Mode	BSM	

BPCM | POB10-00 | Stored | Hybrid/EV Battery Pack Current Sensor 2 Circuit Low-

NAME	VALUE	UNITS
DTC	0B 10 00	
Test Failed	False	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	True	
Occurrence flag	Error	
Original Odometer Value	21526.8	km
Most Recent Odometer Value	21526.8	km
Frequency Counter	1	
Ignition Cycle Counter	0	
FoM - for this DTC (lifetime fails)	2	events
FoM for this DTC (lifetime fails counts on pass)	0.3200	seconds
FoM for this DTC (lifetime longest fail on pass)	0.240	seconds
Battery Total Time Awake	28930666	seconds
Key in Ignition	Key Def	
EPT -WakeUp	Not Sourced	
HCP Contactor Command	OPN	
Contactor Status	Open	
Plug in Status	Not plugged in	
Balance Mode	False	
Vehicle Speed	201.2	km/hr

System (12) Volts at time of fault	5.231	Volts
Battery Lifetime AmpHrs of Charge	10277.1	AHr
Battery Lifetime AmpHrs of DisCharge	10275.6	AHr
HVIL Status Vehicle	Not Sourced	
Cycles left to self heal	40	No Unit
HV Battery Charge Power 2sec	3000	watts
HV Battery Charge Power 10sec	3000	watts
HV Battery Discharge Power 2sec	3000	watts
HV Battery Discharge Power 10sec	3000	watts
Key - DriveRdy (CAN)	False	
Battery Lifetime Number Of Closes	2858	
Battery Full AmpHr Capacity	46.2	AmpHrs
Battery Cell Voltage Maximum	3539	mV
Battery Cell Voltage Minimum	3526	mV
Battery Cell Voltage Average	3534	mV
Battery Temperature Maximum Module	16	°C
Battery Temperature Minimum Module	15	°C
Battery Temperature Average Module	16	°C
DTC Extended Data Record Number All	01	
DTC Extended Data Record Number - 2	02	
HV Battery Charge Power 30sec	3000	watts
HV Battery Discharge Power 30sec	3000	watts
Key Position	Ignition Status: Running	
SOC	17.6	%
HV Bat SOH-R	94.1	%
HV Bat SOH C	92.5	%
Cell Impedance Max Discharge	1.034	mOhms
Cell Impedance Min Discharge	0.975	mOhms
HVIL Status Battery pack	PASS	
HVIL PWM Duty Cycle source - Vehicle	100.0	%
HVIL PWM Duty Cycle Source Battery	49.0	%
HVIL PWM Duty Cycle Sink - Battery	49.0	%
HVIL PWM Frequency source - Vehicle	0.0	Hz
HVIL PWM Frequency Sink Vehicle	0.0	Hz
HVIL PWM Frequency Source - Battery	88.0	Hz
HVIL PWM Frequency Sink Battery	88.0	Hz
HVIL Returned current - Vehicle	136.30	mA
HVIL Returned current - Battery	1.40	mA
Battery Cell Highest Cell number	95	
Battery Cell Lowest Cell number	00	
HV Battery Current Sensor Primary	0.00	Amps
HV Battery Current Sensor Secondary	0.00	Amps

HV Battery Current HVBatCrnt	0.00	Amps
HV Battery Voltage (cell sum)	339.20	Volts
HV Battery Voltage (Module Sum)	339.30	Volts
Battery Temperature Highest Sensor number	06	
Battery Temperature Lowest Sensor number	03	
HV Cooling Battery coolant inlet temp	16	°C
HV Cooling Battery coolant outlet temp	16	°C
BPCM temperature max	20	°C
BPCM temperature min	14	°C
Vehicle Isolation Impedance (Positive side)	4.194	Mega Ohms
Vehicle Isolation Impedance (Negative side)	4.194	Mega Ohms
Vehicle Isolation Impedance (Equivalent)	4.194	Mega Ohms
Battery Isolation Impedance (Positive side)	26.779	Mega Ohms
Battery Isolation Impedance (Negative side)	27.782	Mega Ohms
Battery Isolation Impedance (Equivalent)	13.838	Mega Ohms
Engine Speed	0	rpm
Accelerator position	7.8	%
GPS Date - Year	59399	Year
GPS Date Month	11	
GPS Date - Day	20	Days
UTC Time Hours	14	Hours
UTC Time Minutes	17	
UTC Time – Seconds	0	seconds
HCP System Shutdown Command (CAN)	Default	
HCP - ePT LOC Diagnostics Enable (CAN)	ENB_LOC	
HCP Propulsion system active (CAN)	False	
HV Sensor- Pack Voltage (U BAT P - U BAT M)	339.10	Volts
HV Sensor - DC Link Voltage (U DC LINK)	0.00	Volts
HV Sensor main fuse Voltage (U MAIN P U MAIN M) U DC LINK	0.2	Volts
OBCM Fuse Voltage (U MAIN P - U AUX FUSE)	0.0	Volts
APM Fuse Voltage (U MAIN P U AUX REL)	0.0	Volts
HV Sensor - Battery Voltage - Positive contactor (U BAT P)	8.8	Volts
HV Sensor - Battery Voltage - Negative contactor (U BAT M)	-330.4	Volts
HV Sensor Weld Contactor Voltage Positive contactor (U MAIN P)	0.6	Volts
HV Sensor - Weld Contactor Voltage - Negative contactor (U MAIN M)	0.8	Volts
HV Sensor U AUX FUSE	653.0	Volts
HV Battery Total Amp Hour Capacity (CAN)	45.8	AHr
HV Battery - Pack Isolation state (CAN)	PASS	

HV Battery - Powertrain Isolation state (CAN)	N_S	
HV Sensor Pack Voltage VALIDITY (CAN)	Valid	
HV Battery Total Amp Hour Capacity VALIDITY (CAN)	Valid	
BPCM MCU Reset Counter	1	
BPCM - RAM Reset Counter	2	
BPCM - ROM Reset Counter	0	
BPCM Hall current sensor supply voltage (5VQT1)	5.006	Volts
BPCM - Precharge Penalty Timer (CAN)	600	seconds
BPCM RTC Circuit Status	10	
BPCM - HVBat Sleep Time	2	seconds
BPCM System Mode	120	No Unit
BPCM HV Battery pack contactor request (CAN)	True	
BPCM - HV Battery Pack contactor Open (CAN)	True	
BPCM HV Battery pack Contactor welded and impeded opening (CAN)	STUCK CLOSED	
BPCM - Crash Indication (CAN)	Do Not Actuate	
BPCM Crash Indication VALIDITY (CAN)	Fail Not Present	
BPCM Retention Status	Normal	
BPCM - Active weld check type	No Weld Check	
BPCM Current Category of Wearout Counter	A Level	
HV Contactor State - Positive Contactor	Open	
HV Contactor State Negative Contactor	Open	
HV Contactor State Precharge Contactor	Open	
CSC Fault - Cn Pin Open	PASS	
CSC Fault Cn Short to SWn	PASS	
CSC Fault - Auxiliary channel 1 Pin Open	PASS	
CSC Fault Auxiliary channel 2 Pin Open	PASS	
CSC Fault - Measured result difference between Alternative path and Primary path is out of range	PASS	
CSC Fault - Balancing Switch Short	PASS	
CSC Fault Balancing Switch Open	PASS	
CSC Fault - Alternate reference voltage is out of range	PASS	
CSC Fault Vaa voltage is out of range	PASS	
CSC Fault - Level-shift amplifier offset voltage is out of range	PASS	
CSC Fault - Stuck ADC output bits verification with zero-scale	PASS	
CSC Fault Stuck ADC output bits verification with full scale	PASS	
CSC Fault - Multiplexer Open/Short verification with single HVMUX test current source	PASS	
CSC Fault Multiplexer Open/Short verification with both HVMUX test current sources	PASS	
CSC Fault - Measured result difference between Module voltage and Cell voltage summation	PASS	
CSC Fault - Vhv < Vhvuv	PASS	
CSC Fault Vhv Vdcin > Vhvov	PASS	
CSC Fault - Die Temperature is over the upper limit	PASS	

CSC Fault - Scanning for cell information is not complete	PASS	
CSC Fault ADC Data Path error	PASS	
CSC Fault - Packet Error Check	PASS	
CSC Fault Power on reset event occurred	PASS	
CSC Fault - 32kHz oscillator frequency is not within +/-5% of its expected value	PASS	
CSC Fault - Same as Alrtosc1(redundant alert)	PASS	
CSC Fault Die Temperature is over the upper limit	PASS	
CSC Fault - Module number addressing is fail	PASS	
CSC Fault Alive counter is not matched to the exepected value	PASS	
CSC Fault - PEC Bits in Data-check byte error	PASS	
CSC Fault Vhv V12 is too low	PASS	
CSC Fault Transmit data is not equal to read back data	PASS	
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	0B	
HVIL PWM Duty Cycle sink - Vehicle	100.0	%
SBC Status	Normal	
Vref UV Flag	No set	
Vref UV State	#0 Standby	
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	Diagnosis Case #2 Case 2	
Retention Diagnosis Flag	Flag Case #2 - Retention HSD diagnosis	
Retention Diagnosis Status	Retention Diagnosis Status - 0	

BPCM | P1A0C-00 | Stored | Battery Energy Control Module System Voltage Low-

NAME	VALUE	UNITS
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DTC	1A 0C 00	
Test Failed	False	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	True	
Occurrence flag	Error	
Original Odometer Value	21526.7	km
Most Recent Odometer Value	21526.8	km
Frequency Counter	5	
Ignition Cycle Counter	0	
FoM - for this DTC (lifetime fails)	6	events
FoM for this DTC (lifetime fails counts on pass)	165.0000	seconds
FoM for this DTC (lifetime longest fail on pass)	2.700	seconds
Battery Total Time Awake	28930498	seconds
Key in Ignition	Key Def	
EPT -WakeUp	Sourced	
HCP Contactor Command	OPN	
Contactor Status	Open	
Plug in Status	Not plugged in	
Balance Mode	False	
Vehicle Speed	0.0	km/hr
System (12) Volts at time of fault	8.884	Volts
Battery Lifetime AmpHrs of Charge	10277.1	AHr
Battery Lifetime AmpHrs of DisCharge	10275.6	AHr
HVIL Status Vehicle	PASS	
Cycles left to self heal	40	No Unit
HV Battery Charge Power 2sec	72846	watts
HV Battery Charge Power 10sec	72846	watts
HV Battery Discharge Power 2sec	87057	watts
HV Battery Discharge Power 10sec	73689	watts
Key - DriveRdy (CAN)	False	
Battery Lifetime Number Of Closes	2858	
Battery Full AmpHr Capacity	46.2	AmpHrs
Battery Cell Voltage Maximum	3539	mV
Battery Cell Voltage Minimum	3525	mV
Battery Cell Voltage Average	3534	mV
Battery Temperature Maximum Module	16	°C
Battery Temperature Minimum Module	15	°C

Battery Temperature Average Module	16	°C
DTC Extended Data Record Number All	01	
DTC Extended Data Record Number - 2	02	
HV Battery Charge Power 30sec	71295	watts
HV Battery Discharge Power 30sec	32073	watts
Key Position	Ignition Status: Running	
SOC	17.6	%
HV Bat SOH-R	94.1	%
HV Bat SOH C	92.5	%
Cell Impedance Max Discharge	1.034	mOhms
Cell Impedance Min Discharge	0.975	mOhms
HVIL Status Battery pack	PASS	
HVIL PWM Duty Cycle source - Vehicle	49.0	%
HVIL PWM Duty Cycle Source Battery	49.0	%
HVIL PWM Duty Cycle Sink - Battery	49.0	%
HVIL PWM Frequency source Vehicle	88.0	Hz
HVIL PWM Frequency Sink Vehicle	88.0	Hz
HVIL PWM Frequency Source - Battery	88.0	Hz
HVIL PWM Frequency Sink Battery	88.0	Hz
HVIL Returned current - Vehicle	1.40	mA
HVIL Returned current Battery	1.40	mA
Battery Cell Highest Cell number	56	
Battery Cell Lowest Cell number	00	
HV Battery Current Sensor Primary	0.00	Amps
HV Battery Current Sensor Secondary	1.55	Amps
HV Battery Current HVBatCrnt	0.00	Amps
HV Battery Voltage (cell sum)	339.20	Volts
HV Battery Voltage (Module Sum)	339.30	Volts
Battery Temperature Highest Sensor number	06	
Battery Temperature Lowest Sensor number	03	
HV Cooling Battery coolant inlet temp	16	°C
HV Cooling Battery coolant outlet temp	16	°C
BPCM temperature max	16	°C
BPCM temperature min	15	°C
Vehicle Isolation Impedance (Positive side)	4.194	Mega Ohms
Vehicle Isolation Impedance (Negative side)	4.194	Mega Ohms
Vehicle Isolation Impedance (Equivalent)	4.194	Mega Ohms
Battery Isolation Impedance (Positive side)	29.855	Mega Ohms
Battery Isolation Impedance (Negative side)	17.579	Mega Ohms

Battery Isolation Impedance (Equivalent)	11.252	Mega Ohms
Engine Speed	0	rpm
Accelerator position	7.8	%
GPS Date Year	59399	Year
GPS Date - Month	11	
GPS Date - Day	20	Days
UTC Time Hours	14	Hours
UTC Time - Minutes	16	
UTC Time Seconds	0	seconds
HCP - System Shutdown Command (CAN)	Default	
HCP ePT LOC Diagnostics Enable (CAN)	ENB LOC	
HCP Propulsion system active (CAN)	False	
HV Sensor- Pack Voltage (U BAT P - U BAT M)	339.80	Volts
HV Sensor DC Link Voltage (U DC LINK)	0.10	Volts
HV Sensor - main fuse Voltage (U MAIN P - U MAIN M) - U DC LINK	-0.4	Volts
OBCM Fuse Voltage (U MAIN P U AUX FUSE)	0.2	Volts
APM Fuse Voltage (U MAIN P U AUX REL)	0.0	Volts
HV Sensor - Battery Voltage - Positive contactor (U BAT P)	39.4	Volts
HV Sensor Battery Voltage Negative contactor (U BAT M)	300.4	Volts
HV Sensor - Weld Contactor Voltage - Positive contactor (U MAIN P)	0.4	Volts
HV Sensor Weld Contactor Voltage Negative contactor (U MAIN M)	0.8	Volts
HV Sensor U AUX FUSE	652.8	Volts
HV Battery Total Amp Hour Capacity (CAN)	45.8	AHr
HV Battery Pack Isolation state (CAN)	PASS	
HV Battery - Powertrain Isolation state (CAN)	N_S	
HV Sensor Pack Voltage VALIDITY (CAN)	Valid	
HV Battery Total Amp Hour Capacity VALIDITY (CAN)	Valid	
BPCM - MCU Reset Counter	3	
BPCM RAM Reset Counter	2	
BPCM - ROM Reset Counter	0	
BPCM Hall current sensor supply voltage (5VQT1)	5.001	Volts
BPCM - Precharge Penalty Timer (CAN)	600	seconds
BPCM - RTC Circuit Status	10	
BPCM HVBat Sleep Time	2	seconds
BPCM - System Mode	10	No Unit
BPCM HV Battery pack contactor request (CAN)	False	
BPCM - HV Battery Pack contactor Open (CAN)	False	
BPCM - HV Battery pack Contactor welded and impeded opening (CAN)	Normal	
BPCM Crash Indication (CAN)	Do Not Actuate	
BPCM - Crash Indication VALIDITY (CAN)	Fail Not Present	
BPCM Retention Status	Normal	

BPCM - Active weld check type	No Weld Check	
BPCM Current Category of Wearout Counter	A Level	
HV Contactor State - Positive Contactor	Open	
HV Contactor State Negative Contactor	Open	
HV Contactor State - Precharge Contactor	Open	
CSC Fault - Cn Pin Open	PASS	
CSC Fault Cn Short to SWn	PASS	
CSC Fault - Auxiliary channel 1 Pin Open	PASS	
CSC Fault Auxiliary channel 2 Pin Open	PASS	
CSC Fault - Measured result difference between Alternative path and Primary path is out of range	PASS	
CSC Fault Balancing Switch Short	PASS	
CSC Fault Balancing Switch Open	PASS	
CSC Fault - Alternate reference voltage is out of range	PASS	
CSC Fault Vaa voltage is out of range	PASS	
CSC Fault - Level-shift amplifier offset voltage is out of range	PASS	
CSC Fault Stuck ADC output bits verification with zero scale	PASS	
CSC Fault Stuck ADC output bits verification with full scale	PASS	
CSC Fault - Multiplexer Open/Short verification with single HVMUX test current source	PASS	
CSC Fault Multiplexer Open/Short verification with both HVMUX test current sources	PASS	
CSC Fault - Measured result difference between Module voltage and Cell voltage summation	PASS	
CSC Fault Vhv < Vhvuv	PASS	
CSC Fault Vhv Vdcin > Vhvov	PASS	
CSC Fault - Die Temperature is over the upper limit	PASS	
CSC Fault Scanning for cell information is not complete	PASS	
CSC Fault - ADC Data Path error	PASS	
CSC Fault Packet Error Check	PASS	
CSC Fault - Power-on reset event occurred	PASS	
CSC Fault - 32kHz oscillator frequency is not within +/-5% of its expected value	PASS	
CSC Fault Same as Alrtosc1(redundant alert)	PASS	
CSC Fault - Die Temperature is over the upper limit	PASS	
CSC Fault Module number addressing is fail	PASS	
CSC Fault - Alive counter is not matched to the exepected value	PASS	
CSC Fault - PEC Bits in Data-check byte error	PASS	
CSC Fault Vhv V12 is too low	PASS	
CSC Fault - Transmit data is not equal to read back data	PASS	
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	0B	
HVIL PWM Duty Cycle sink - Vehicle	49.0	%
SBC Status	Normal	
Vref UV Flag	No set	
Vref UV State	#0 Standby	
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	Diagnosis Case #2 Case 2	
Retention Diagnosis Flag	Flag Case #2 - Retention HSD diagnosis	
Retention Diagnosis Status	Retention Diagnosis Status 0	

BPCM | P0562-00 | Stored | System Voltage Low-

NAME	VALUE	UNITS
DTC	05 62 00	
Test Failed	False	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
Occurrence flag	Occurrence	
Original Odometer Value	21526.6	km
Most Recent Odometer Value	21526.8	km
Frequency Counter	2	
Ignition Cycle Counter	1	
FoM - for this DTC (lifetime fails)	3	events
FoM - for this DTC (lifetime fails counts on pass)	41.1400	seconds
FoM for this DTC (lifetime longest fail on pass)	8.400	seconds
Battery Total Time Awake	28930467	seconds

Key in Ignition	Key_Def	
EPT WakeUp	Sourced	
HCP Contactor Command	OPN	
Contactor Status	Open	
Plug in Status	Not plugged in	
Balance Mode	False	
Vehicle Speed	0.0	km/hr
System (12) Volts at time of fault	9.442	Volts
Battery Lifetime AmpHrs of Charge	10277.1	AHr
Battery Lifetime AmpHrs of DisCharge	10275.6	AHr
HVIL Status Vehicle	PASS	
Cycles left to self heal	100	No Unit
HV Battery Charge Power 2sec	72846	watts
HV Battery Charge Power 10sec	72846	watts
HV Battery Discharge Power 2sec	87057	watts
HV Battery Discharge Power 10sec	73692	watts
Key DriveRdy (CAN)	False	
Battery Lifetime Number Of Closes	2858	
Battery Full AmpHr Capacity	46.2	AmpHrs
Battery Cell Voltage Maximum	3539	mV
Battery Cell Voltage Minimum	3526	mV
Battery Cell Voltage Average	3534	mV
Battery Temperature Maximum Module	16	°C
Battery Temperature Minimum Module	15	°C
Battery Temperature Average Module	16	°C
DTC Extended Data Record Number All	01	
DTC Extended Data Record Number - 2	02	
HV Battery Charge Power 30sec	71295	watts
HV Battery Discharge Power 30sec	32076	watts
Key Position	Ignition Status: Running	
SOC	17.6	%
HV Bat SOH-R	94.1	%
HV Bat SOH-C	92.5	%
Cell Impedance Max Discharge	1.034	mOhms
Cell Impedance Min Discharge	0.975	mOhms
HVIL Status Battery pack	PASS	
HVIL PWM Duty Cycle source - Vehicle	49.0	%
HVIL PWM Duty Cycle Source - Battery	49.0	%
HVIL PWM Duty Cycle Sink Battery	49.0	%
HVIL PWM Frequency source - Vehicle	88.0	Hz
HVIL PWM Frequency Sink Vehicle	88.0	Hz
HVIL PWM Frequency Source - Battery	88.0	Hz

HVIL PWM Frequency Sink - Battery	88.0	Hz
HVIL Returned current Vehicle	25.10	mA
HVIL Returned current - Battery	25.00	mA
Battery Cell Highest Cell number	95	
Battery Cell Lowest Cell number	00	
HV Battery Current Sensor Primary	0.00	Amps
HV Battery Current Sensor Secondary	1.55	Amps
HV Battery Current HVBatCmt	0.00	Amps
HV Battery Voltage (cell sum)	339.20	Volts
HV Battery Voltage (Module Sum)	339.30	Volts
Battery Temperature Highest Sensor number	06	
Battery Temperature Lowest Sensor number	03	
HV Cooling Battery coolant inlet temp	16	°C
HV Cooling Battery coolant outlet temp	16	°C
BPCM temperature max	16	°C
BPCM temperature min	15	°C
Vehicle Isolation Impedance (Positive side)	4.194	Mega Ohms
Vehicle Isolation Impedance (Negative side)	4.194	Mega Ohms
Vehicle Isolation Impedance (Equivalent)	4.194	Mega Ohms
Battery Isolation Impedance (Positive side)	30.432	Mega Ohms
Battery Isolation Impedance (Negative side)	16.793	Mega Ohms
Battery Isolation Impedance (Equivalent)	11.006	Mega Ohms
Engine Speed	0	rpm
Accelerator position	7.8	%
GPS Date - Year	59399	Year
GPS Date Month	11	
GPS Date - Day	20	Days
UTC Time - Hours	14	Hours
UTC Time Minutes	16	
UTC Time – Seconds	0	seconds
HCP System Shutdown Command (CAN)	Default	
HCP - ePT LOC Diagnostics Enable (CAN)	ENB_LOC	
HCP - Propulsion system active (CAN)	False	
HV Sensor Pack Voltage (U BAT P U BAT M)	339.20	Volts
HV Sensor - DC Link Voltage (U DC LINK)	0.10	Volts
HV Sensor main fuse Voltage (U MAIN P U MAIN M) U DC LINK	0.0	Volts
OBCM Fuse Voltage (U MAIN P - U AUX FUSE)	0.0	Volts
APM Fuse Voltage (U MAIN P - U AUX REL)	0.0	Volts

HV Sensor - Battery Voltage - Positive contactor (U BAT P)	9.8	Volts
HV Sensor - Battery Voltage - Negative contactor (U BAT M)	329.4	Volts
HV Sensor - Weld Contactor Voltage - Positive contactor (U MAIN P)	1.0	Volts
HV Sensor - Weld Contactor Voltage - Negative contactor (U MAIN M)	0.8	Volts
HV Sensor - U AUX FUSE	-652.2	Volts
HV Battery Total Amp Hour Capacity (CAN)	45.8	AHr
HV Battery - Pack Isolation state (CAN)	PASS	
HV Battery - Powertrain Isolation state (CAN)	N_S	
HV Sensor - Pack Voltage VALIDITY (CAN)	Valid	
HV Battery Total Amp Hour Capacity VALIDITY (CAN)	Valid	
BPCM - MCU Reset Counter	0	
BPCM - RAM Reset Counter	10	
BPCM - ROM Reset Counter	0	
BPCM - Hall current sensor supply voltage (5VQT1)	5.004	Volts
BPCM - Precharge Penalty Timer (CAN)	600	seconds
BPCM - RTC Circuit Status	10	
BPCM - HVBat Sleep Time	2	seconds
BPCM - System Mode	10	No Unit
BPCM - HV Battery pack contactor request (CAN)	False	
BPCM - HV Battery Pack contactor Open (CAN)	False	
BPCM - HV Battery pack Contactor welded and impeded opening (CAN)	Normal	
BPCM - Crash Indication (CAN)	Do Not Actuate	
BPCM - Crash Indication VALIDITY (CAN)	Fail Not Present	
BPCM - Retention Status	Normal	
BPCM - Active weld check type	No Weld Check	
BPCM - Current Category of Wearout Counter	A Level	
HV Contactor State - Positive Contactor	Open	
HV Contactor State - Negative Contactor	Open	
HV Contactor State - Precharge Contactor	Open	
CSC Fault - Cn Pin Open	PASS	
CSC Fault - Cn Short to SWn	PASS	
CSC Fault - Auxiliary channel 1 Pin Open	PASS	
CSC Fault - Auxiliary channel 2 Pin Open	PASS	
CSC Fault - Measured result difference between Alternative path and Primary path is out of range	PASS	
CSC Fault - Balancing Switch Short	PASS	
CSC Fault - Balancing Switch Open	PASS	
CSC Fault - Alternate reference voltage is out of range	PASS	
CSC Fault - Vaa voltage is out of range	PASS	
CSC Fault - Level shift amplifier offset voltage is out of range	PASS	
CSC Fault - Stuck ADC output bits verification with zero-scale	PASS	
CSC Fault - Stuck ADC output bits verification with full scale	PASS	

CSC Fault - Multiplexer Open/Short verification with single HVMUX test current source	PASS	
CSC Fault Multiplexer Open/Short verification with both HVMUX test current sources	PASS	
CSC Fault - Measured result difference between Module voltage and Cell voltage summation	PASS	
CSC Fault Vhv < Vhvuv	PASS	
CSC Fault - Vhv - Vdcin > Vhvov	PASS	
CSC Fault - Die Temperature is over the upper limit	PASS	
CSC Fault Scanning for cell information is not complete	PASS	
CSC Fault - ADC Data Path error	PASS	
CSC Fault Packet Error Check	PASS	
CSC Fault - Power-on reset event occurred	PASS	
CSC Fault 32kHz oscillator frequency is not within +/- 5% of its expected value	PASS	
CSC Fault Same as Alrtosc1(redundant alert)	PASS	
CSC Fault - Die Temperature is over the upper limit	PASS	
CSC Fault Module number addressing is fail	PASS	
CSC Fault - Alive counter is not matched to the expected value	PASS	
CSC Fault PEC Bits in Data check byte error	PASS	
CSC Fault Vhv V12 is too low	PASS	
CSC Fault - Transmit data is not equal to read back data	PASS	
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	0B	
HVIL PWM Duty Cycle sink Vehicle	49.0	%
SBC Status	Normal	
Vref UV Flag	No set	
Vref UV State	#0 Standby	
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	Diagnosis Case #2 Case 2	
Retention Diagnosis Flag	Flag Case #2 - Retention HSD diagnosis	
Retention Diagnosis Status	Retention Diagnosis Status 0	

BPCM | U064A-00 | Stored | Lost Communication with Hybrid/EV Battery Pack Current Sensor "A"-

NAME	VALUE	UNITS
DTC	C6 4A 00	
Test Failed	False	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	True	
Occurrence flag	Error	
Original Odometer Value	21526.8	km
Most Recent Odometer Value	21526.8	km
Frequency Counter	1	
Ignition Cycle Counter	0	
FoM - for this DTC (lifetime fails)	4	events
FoM for this DTC (lifetime fails counts on pass)	1.5600	seconds
FoM for this DTC (lifetime longest fail on pass)	0.280	seconds
Battery Total Time Awake	28930667	seconds
Key in Ignition	Key Def	
EPT -WakeUp	Sourced	
HCP Contactor Command	OPN	
Contactor Status	Open	
Plug in Status	Not plugged in	
Balance Mode	False	
Vehicle Speed	201.2	km/hr
System (12) Volts at time of fault	5.210	Volts
Battery Lifetime AmpHrs of Charge	10277.1	AHr
Battery Lifetime AmpHrs of DisCharge	10275.6	AHr
HVIL Status Vehicle	PASS	
Cycles left to self heal	40	No Unit
HV Battery Charge Power 2sec	3000	watts
HV Battery Charge Power 10sec	3000	watts
HV Battery Discharge Power 2sec	3000	watts
HV Battery Discharge Power 10sec	3000	watts
Key - DriveRdy (CAN)	False	

Battery Lifetime Number Of Closes	2858	
Battery Full AmpHr Capacity	46.2	AmpHrs
Battery Cell Voltage Maximum	3540	mV
Battery Cell Voltage Minimum	3525	mV
Battery Cell Voltage Average	3534	mV
Battery Temperature Maximum Module	16	°C
Battery Temperature Minimum Module	15	°C
Battery Temperature Average Module	16	°C
DTC Extended Data Record Number All	01	
DTC Extended Data Record Number - 2	02	
HV Battery Charge Power 30sec	3000	watts
HV Battery Discharge Power 30sec	3000	watts
Key Position	Ignition Status: Running	
SOC	17.6	%
HV Bat SOH-R	94.1	%
HV Bat SOH C	92.5	%
Cell Impedance Max Discharge	1.034	mOhms
Cell Impedance Min Discharge	0.975	mOhms
HVIL Status Battery pack	PASS	
HVIL PWM Duty Cycle source - Vehicle	49.0	%
HVIL PWM Duty Cycle Source Battery	49.0	%
HVIL PWM Duty Cycle Sink Battery	49.0	%
HVIL PWM Frequency source - Vehicle	87.0	Hz
HVIL PWM Frequency Sink Vehicle	87.0	Hz
HVIL PWM Frequency Source - Battery	87.0	Hz
HVIL PWM Frequency Sink Battery	87.0	Hz
HVIL Returned current - Vehicle	1.30	mA
HVIL Returned current - Battery	1.40	mA
Battery Cell Highest Cell number	95	
Battery Cell Lowest Cell number	00	
HV Battery Current Sensor Primary	0.00	Amps
HV Battery Current Sensor Secondary	0.00	Amps
HV Battery Current HVBatCrnt	0.00	Amps
HV Battery Voltage (cell sum)	339.20	Volts
HV Battery Voltage (Module Sum)	339.30	Volts
Battery Temperature Highest Sensor number	06	
Battery Temperature Lowest Sensor number	03	
HV Cooling Battery coolant inlet temp	16	°C
HV Cooling Battery coolant outlet temp	16	°C
BPCM temperature max	22	°C
BPCM temperature min	14	°C

Vehicle Isolation Impedance (Positive side)	4.194	Mega Ohms
Vehicle Isolation Impedance (Negative side)	4.194	Mega Ohms
Vehicle Isolation Impedance (Equivalent)	4.194	Mega Ohms
Battery Isolation Impedance (Positive side)	29.063	Mega Ohms
Battery Isolation Impedance (Negative side)	13.943	Mega Ohms
Battery Isolation Impedance (Equivalent)	9.599	Mega Ohms
Engine Speed	0	rpm
Accelerator position	7.8	%
GPS Date Year	59399	Year
GPS Date - Month	11	
GPS Date Day	20	Days
UTC Time Hours	14	Hours
UTC Time - Minutes	17	
UTC Time Seconds	0	seconds
HCP - System Shutdown Command (CAN)	Default	
HCP ePT LOC Diagnostics Enable (CAN)	ENB LOC	
HCP Propulsion system active (CAN)	False	
HV Sensor- Pack Voltage (U BAT P - U BAT M)	339.10	Volts
HV Sensor DC Link Voltage (U DC LINK)	0.10	Volts
HV Sensor - main fuse Voltage (U MAIN P - U MAIN M) - U DC LINK	0.4	Volts
OBCM Fuse Voltage (U MAIN P U AUX FUSE)	0.2	Volts
APM Fuse Voltage (U MAIN P U AUX REL)	0.2	Volts
HV Sensor - Battery Voltage - Positive contactor (U BAT P)	334.2	Volts
HV Sensor Battery Voltage Negative contactor (U BAT M)	5.0	Volts
HV Sensor - Weld Contactor Voltage - Positive contactor (U MAIN P)	1.4	Volts
HV Sensor Weld Contactor Voltage Negative contactor (U MAIN M)	1.0	Volts
HV Sensor - U AUX FUSE	-651.0	Volts
HV Battery Total Amp Hour Capacity (CAN)	45.8	AHr
HV Battery Pack Isolation state (CAN)	PASS	
HV Battery - Powertrain Isolation state (CAN)	N_S	
HV Sensor Pack Voltage VALIDITY (CAN)	Valid	
HV Battery Total Amp Hour Capacity VALIDITY (CAN)	Valid	
BPCM - MCU Reset Counter	1	
BPCM RAM Reset Counter	2	
BPCM - ROM Reset Counter	0	
BPCM Hall current sensor supply voltage (5VQT1)	0.002	Volts
BPCM - Precharge Penalty Timer (CAN)	600	seconds
BPCM - RTC Circuit Status	10	

BPCM - HVBat Sleep Time	2	seconds
BPCM System Mode	199	No Unit
BPCM - HV Battery pack contactor request (CAN)	True	
BPCM HV Battery Pack contactor Open (CAN)	True	
BPCM - HV Battery pack Contactor welded and impeded opening (CAN)	STUCK_CLOSED	
BPCM - Crash Indication (CAN)	Do Not Actuate	
BPCM Crash Indication VALIDITY (CAN)	Fail Not Present	
BPCM - Retention Status	Normal	
BPCM Active weld check type	No Weld Check	
BPCM - Current Category of Wearout Counter	D Level	
HV Contactor State Positive Contactor	Open	
HV Contactor State Negative Contactor	Open	
HV Contactor State - Precharge Contactor	Open	
CSC Fault Cn Pin Open	PASS	
CSC Fault - Cn Short to SWn	PASS	
CSC Fault Auxiliary channel 1 Pin Open	PASS	
CSC Fault Auxiliary channel 2 Pin Open	PASS	
CSC Fault - Measured result difference between Alternative path and Primary path is out of range	PASS	
CSC Fault Balancing Switch Short	PASS	
CSC Fault - Balancing Switch Open	PASS	
CSC Fault Alternate reference voltage is out of range	PASS	
CSC Fault Vaa voltage is out of range	PASS	
CSC Fault - Level-shift amplifier offset voltage is out of range	PASS	
CSC Fault Stuck ADC output bits verification with zero scale	PASS	
CSC Fault - Stuck ADC output bits verification with full-scale	PASS	
CSC Fault Multiplexer Open/Short verification with single HVMUX test current source	PASS	
CSC Fault - Multiplexer Open/Short verification with both HVMUX test current sources	PASS	
CSC Fault - Measured result difference between Module voltage and Cell voltage summation	PASS	
CSC Fault Vhv < Vhvuv	PASS	
CSC Fault - Vhv - Vdcin > Vhvov	PASS	
CSC Fault Die Temperature is over the upper limit	PASS	
CSC Fault - Scanning for cell information is not complete	PASS	
CSC Fault - ADC Data Path error	PASS	
CSC Fault Packet Error Check	PASS	
CSC Fault - Power-on reset event occurred	PASS	
CSC Fault 32kHz oscillator frequency is not within +/- 5% of its expected value	PASS	
CSC Fault - Same as Alrtosc1(redundant alert)	PASS	
CSC Fault - Die Temperature is over the upper limit	PASS	
CSC Fault Module number addressing is fail	PASS	

CSC Fault - Alive counter is not matched to the expected value	PASS	
CSC Fault PEC Bits in Data check byte error	PASS	
CSC Fault - Vhv - V12 is too low	PASS	
CSC Fault Transmit data is not equal to read back data	PASS	
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	0B	
HVIL PWM Duty Cycle sink - Vehicle	49.0	%
SBC Status	Normal	
Vref UV Flag	No set	
Vref UV State	#0 Standby	
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	Diagnosis Case #2 - Case 2	
Retention Diagnosis Flag	Flag Case #2 Retention HSD diagnosis	
Retention Diagnosis Status	Retention Diagnosis Status - 0	

BPCM | U0293-00 | Stored | Lost Communication with Hybrid Control Module "A"-

NAME	VALUE	UNITS
DTC	C2 93 00	
Test Failed	False	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	True	

Occurrence flag	Error	
Original Odometer Value	21526.8	km
Most Recent Odometer Value	21526.8	km
Frequency Counter	1	
Ignition Cycle Counter	0	
FoM - for this DTC (lifetime fails)	5	events
FoM for this DTC (lifetime fails counts on pass)	0.0000	seconds
FoM - for this DTC (lifetime longest fail on pass)	0.000	seconds
Battery Total Time Awake	28930666	seconds
Key in Ignition	Key_Def	
EPT WakeUp	Not Sourced	
HCP Contactor Command	OPN	
Contactor Status	Open	
Plug in Status	Not plugged in	
Balance Mode	False	
Vehicle Speed	201.2	km/hr
System (12) Volts at time of fault	5.245	Volts
Battery Lifetime AmpHrs of Charge	10277.1	AHr
Battery Lifetime AmpHrs of DisCharge	10275.6	AHr
HVIL Status -Vehicle	Not Sourced	
Cycles left to self heal	40	No Unit
HV Battery Charge Power 2sec	3000	watts
HV Battery Charge Power 10sec	3000	watts
HV Battery Discharge Power 2sec	3000	watts
HV Battery Discharge Power 10sec	3000	watts
Key DriveRdy (CAN)	False	
Battery Lifetime Number Of Closes	2858	
Battery Full AmpHr Capacity	46.2	AmpHrs
Battery Cell Voltage Maximum	3540	mV
Battery Cell Voltage Minimum	3526	mV
Battery Cell Voltage Average	3534	mV
Battery Temperature Maximum Module	16	°C
Battery Temperature Minimum Module	15	°C
Battery Temperature Average Module	16	°C
DTC Extended Data Record Number - All	01	
DTC Extended Data Record Number 2	02	
HV Battery Charge Power 30sec	3000	watts
HV Battery Discharge Power 30sec	3000	watts
Key Position	Ignition Status: Running	
SOC	17.6	%
HV Bat SOH R	94.1	%
HV Bat SOH-C	92.5	%

Cell Impedance Max Discharge	1.034	mOhms
Cell Impedance Min Discharge	0.975	mOhms
HVIL Status - Battery pack	PASS	
HVIL PWM Duty Cycle source Vehicle	100.0	%
HVIL PWM Duty Cycle Source - Battery	49.0	%
HVIL PWM Duty Cycle Sink - Battery	49.0	%
HVIL PWM Frequency source Vehicle	0.0	Hz
HVIL PWM Frequency Sink - Vehicle	0.0	Hz
HVIL PWM Frequency Source Battery	88.0	Hz
HVIL PWM Frequency Sink - Battery	88.0	Hz
HVIL Returned current Vehicle	137.40	mA
HVIL Returned current Battery	1.40	mA
Battery Cell Highest Cell number	95	
Battery Cell Lowest Cell number	00	
HV Battery Current Sensor Primary	0.00	Amps
HV Battery Current Sensor Secondary	0.00	Amps
HV Battery Current HVBatCrnt	0.00	Amps
HV Battery Voltage (cell sum)	339.20	Volts
HV Battery Voltage (Module Sum)	339.30	Volts
Battery Temperature Highest Sensor number	06	
Battery Temperature Lowest Sensor number	03	
HV Cooling Battery coolant inlet temp	16	°C
HV Cooling Battery coolant outlet temp	16	°C
BPCM temperature max	20	°C
BPCM temperature min	14	°C
Vehicle Isolation Impedance (Positive side)	4.194	Mega Ohms
Vehicle Isolation Impedance (Negative side)	4.194	Mega Ohms
Vehicle Isolation Impedance (Equivalent)	4.194	Mega Ohms
Battery Isolation Impedance (Positive side)	29.063	Mega Ohms
Battery Isolation Impedance (Negative side)	13.943	Mega Ohms
Battery Isolation Impedance (Equivalent)	9.599	Mega Ohms
Engine Speed	0	rpm
Accelerator position	7.8	%
GPS Date Year	59399	Year
GPS Date - Month	11	
GPS Date Day	20	Days
UTC Time - Hours	14	Hours
UTC Time - Minutes	17	

UTC Time – Seconds	0	seconds
HCP System Shutdown Command (CAN)	Default	
HCP - ePT LOC Diagnostics Enable (CAN)	ENB_LOC	
HCP Propulsion system active (CAN)	False	
HV Sensor- Pack Voltage (U BAT P - U BAT M)	339.10	Volts
HV Sensor - DC Link Voltage (U DC LINK)	0.10	Volts
HV Sensor main fuse Voltage (U MAIN P U MAIN M) U DC LINK	0.4	Volts
OBCM Fuse Voltage (U MAIN P - U AUX FUSE)	-0.2	Volts
APM Fuse Voltage (U MAIN P U AUX REL)	0.2	Volts
HV Sensor - Battery Voltage - Positive contactor (U BAT P)	334.2	Volts
HV Sensor Battery Voltage Negative contactor (U BAT M)	5.0	Volts
HV Sensor Weld Contactor Voltage Positive contactor (U MAIN P)	1.4	Volts
HV Sensor - Weld Contactor Voltage - Negative contactor (U MAIN M)	1.0	Volts
HV Sensor U AUX FUSE	651.0	Volts
HV Battery Total Amp Hour Capacity (CAN)	45.8	AHr
HV Battery Pack Isolation state (CAN)	PASS	
HV Battery Powertrain Isolation state (CAN)	N S	
HV Sensor - Pack Voltage VALIDITY (CAN)	Valid	
HV Battery Total Amp Hour Capacity VALIDITY (CAN)	Valid	
BPCM - MCU Reset Counter	2	
BPCM RAM Reset Counter	2	
BPCM ROM Reset Counter	0	
BPCM - Hall current sensor supply voltage (5VQT1)	0.024	Volts
BPCM Precharge Penalty Timer (CAN)	600	seconds
BPCM - RTC Circuit Status	10	
BPCM HVBat Sleep Time	2	seconds
BPCM - System Mode	120	No Unit
BPCM - HV Battery pack contactor request (CAN)	True	
BPCM HV Battery Pack contactor Open (CAN)	True	
BPCM - HV Battery pack Contactor welded and impeded opening (CAN)	STUCK_CLOSED	
BPCM Crash Indication (CAN)	Do Not Actuate	
BPCM - Crash Indication VALIDITY (CAN)	Fail Not Present	
BPCM - Retention Status	Normal	
BPCM Active weld check type	No Weld Check	
BPCM - Current Category of Wearout Counter	A Level	
HV Contactor State Positive Contactor	Open	
HV Contactor State - Negative Contactor	Open	
HV Contactor State - Precharge Contactor	Open	
CSC Fault Cn Pin Open	PASS	
CSC Fault - Cn Short to SWn	PASS	
CSC Fault Auxiliary channel 1 Pin Open	PASS	
CSC Fault - Auxiliary channel 2 Pin Open	PASS	

CSC Fault - Measured result difference between Alternative path and Primary path is out of range	PASS	
CSC Fault Balancing Switch Short	PASS	
CSC Fault - Balancing Switch Open	PASS	
CSC Fault Alternate reference voltage is out of range	PASS	
CSC Fault - Vaa voltage is out of range	PASS	
CSC Fault - Level-shift amplifier offset voltage is out of range	PASS	
CSC Fault Stuck ADC output bits verification with zero scale	PASS	
CSC Fault - Stuck ADC output bits verification with full-scale	PASS	
CSC Fault Multiplexer Open/Short verification with single HVMUX test current source	PASS	
CSC Fault - Multiplexer Open/Short verification with both HVMUX test current sources	PASS	
CSC Fault Measured result difference between Module voltage and Cell voltage summation	PASS	
CSC Fault Vhv < Vhvuv	PASS	
CSC Fault - Vhv - Vdcin > Vhvov	PASS	
CSC Fault Die Temperature is over the upper limit	PASS	
CSC Fault - Scanning for cell information is not complete	PASS	
CSC Fault ADC Data Path error	PASS	
CSC Fault Packet Error Check	PASS	
CSC Fault - Power-on reset event occurred	PASS	
CSC Fault 32kHz oscillator frequency is not within +/- 5% of its expected value	PASS	
CSC Fault - Same as Alrtosc1(redundant alert)	PASS	
CSC Fault Die Temperature is over the upper limit	PASS	
CSC Fault Module number addressing is fail	PASS	
CSC Fault - Alive counter is not matched to the expected value	PASS	
CSC Fault PEC Bits in Data check byte error	PASS	
CSC Fault - Vhv - V12 is too low	PASS	
CSC Fault Transmit data is not equal to read back data	PASS	
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	0B	
HVIL PWM Duty Cycle sink - Vehicle	100.0	%
SBC Status	Normal	
Vref UV Flag	No set	

Vref UV State	#0 Standby	
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	Diagnosis Case #2 Case 2	
Retention Diagnosis Flag	Flag Case #2 Retention HSD diagnosis	
Retention Diagnosis Status	Retention Diagnosis Status - 0	

HCP | P2534-00 | Stored | Ignition Switch On/Start Position Circuit Low-

NAME	VALUE	UNITS
DTC	25 34 00	
Test Failed	False	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number	01	
Occurrence flag	Occurrence	
Original Odometer Value	21526.8	km
Most Recent Odometer Value	21526.8	km
Frequency Counter	1	
Ignition Cycle Counter	0	
Microcontroller reset reason - Core 0	FFFF0003	
Microcontroller reset reason Core 1	Power Up	
Real time clock	1019625792	sec
RAM stamps keyOn	165	sec
RAM Stamps	184140	Min
Accelerator Pedal Position	0	%
Barometric Pressure	99	kPa
Engine Coolant Temperature	14	DegC
Engine Speed	0	rpm
Vehicle Speed	0.0000	km/h
HV Battery SOC	18	%

Brake Switch Status	Not Applied	
Battery Feed Voltage 1 Sense	5.400	Volts
Battery Feed Voltage 2 Sense	5.328	Volts
Battery Feed Voltage 3 Sense	5.616	Volts
Internal EPS Voltage Sense A	0.000	Volts
Internal EPS Voltage Sense B	0.000	Volts
Hybrid System State	SNA	
Actual Torque - Motor A	0.125	NM
Actual Torque Motor B	0.000	NM
Available Motor Torque - Motor A	53.000	NM
Available Motor Torque Motor B	0.000	NM
Available Regen Torque Motor A	53.000	NM
Available Regen Torque - Motor B	0.000	NM
Commanded Torque Motor A	0.000	NM
Commanded Torque - Motor B	0.000	NM
Motor A Inverter Current phase A	0	AMP
Motor A Inverter Current phase B	4	AMP
Motor A - Inverter Current - phase C	0	AMP
Motor B Inverter Current phase A	0	AMP
Motor B - Inverter Current - phase B	0	AMP
Motor B Inverter Current phase C	0	AMP
Motor A Resolver Angle	264	Degree
Motor B Resolver Angle	Not Programmed	
Motor A Temp Sensor	17	DegC
Motor B Temp Sensor	15	DegC
Outside Air Temperature	20.0	DegC
Ignition State	Reserved	
HCP ePT Wake-Up Output	Off	
CBC Wake Up Input	Off	
EPT LOC Diag Enable	Enable LOC Diagnostic	
Propulsion System Active	False	
HV Contactor Status	Open	
HV Battery Voltage from BPCM	180.00	Volts
Electric Motor A Speed	0.0	rpm
Electric Motor B Speed	0.0	rpm
PIM DC Link Voltage A	0	Volts
PIM DC Link Voltage - B	0	Volts
Inverter A IGBT Temperature for phase A	11	DegC
Inverter A IGBT Temperature for phase B	13	DegC
Inverter A IGBT Temperature for phase C	14	DegC
Inverter B IGBT Temperature for phase A	12	DegC
Inverter B IGBT Temperature for phase B	13	DegC

Inverter B IGBT Temperature for phase C	13	DegC
APM Status	Idle	
Impact Event	False	
PRND Position Display	P	
HCP System Shutdown Command	Default	
PHEV Charging Status	No Charging	
Distance Travelled with Light ON	0	km
OBCM Operating Mode	UTC	
J1772 Prox Detected State	Prox Out	
HV Battery Sleep Time	0	Days
SW Build Release Version	PIM 20B 2310B0 P1P2 HCP	
HCP SW Version	20B	
High Voltage bus voltage fault status	No fault	
HV Battery Voltage	339	Volts
HV Battery Voltage fault status	No fault	
APM HV Voltage	0	Volts
APM HV Voltage fault status	No fault	
ECH HV Voltage	0	Volts
ECH HV Voltage fault status	Fault	
EAC HV Voltage	0	Volts
EAC HV Voltage fault status	No fault	
HV Battery Contactor Status FA	No fault	
DAP Contactor Open	Do Not Open	
Air PTC Heater HV Voltage	0	Volts
Air PTC Heater HV Voltage Fault Status	No fault	
DBK Heater HV Voltage	0	Volts
DBK Heater HV Voltage Fault Status	No fault	
High Voltage Interlock Status	Interlock Passed	
Engine WarmUp Cycle Complete	Not Completed	
Charging System Status	Not Charging	
Charging Level	Default	
High Voltage Contactor Control	Open	
GPS Date - Year	59399	Year
GPS Date - Month	11	
GPS Date - Day	20	Days
UTC Time - Hours	14	Hours
UTC Time - Minutes	17	
UTC Time - Seconds	48	seconds
ECU Time - Milliseconds	975	ms

HCP | P2537-00 | Stored | Ignition Switch Accessory Position Circuit Low-

NAME	VALUE	UNITS
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DTC	25 37 00	
Test Failed	False	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number	01	
Occurrence flag	Occurrence	
Original Odometer Value	21526.8	km
Most Recent Odometer Value	21526.8	km
Frequency Counter	1	
Ignition Cycle Counter	0	
Microcontroller reset reason Core 0	FFFF0003	
Microcontroller reset reason Core 1	Power Up	
Real time clock	1019625856	sec
RAM stamps keyOn	210	sec
RAM Stamps	184141	Min
Accelerator Pedal Position	0	%
Barometric Pressure	99	kPa
Engine Coolant Temperature	14	DegC
Engine Speed	0	rpm
Vehicle Speed	0.0000	km/h
HV Battery SOC	18	%
Brake Switch Status	Not Applied	
Battery Feed Voltage 1 Sense	5.184	Volts
Battery Feed Voltage 2 Sense	5.184	Volts
Battery Feed Voltage 3 Sense	5.472	Volts
Internal EPS Voltage Sense A	0.000	Volts
Internal EPS Voltage Sense B	0.000	Volts
Hybrid System State	SNA	
Actual Torque Motor A	0.125	NM
Actual Torque - Motor B	0.000	NM
Available Motor Torque Motor A	53.000	NM
Available Motor Torque - Motor B	0.000	NM
Available Regen Torque - Motor A	-53.000	NM
Available Regen Torque Motor B	0.000	NM
Commanded Torque - Motor A	0.000	NM
Commanded Torque Motor B	0.000	NM
Motor A - Inverter Current - phase A	0	AMP

Motor A - Inverter Current - phase B	0	AMP
Motor A Inverter Current phase C	4	AMP
Motor B - Inverter Current - phase A	0	AMP
Motor B Inverter Current phase B	0	AMP
Motor B - Inverter Current - phase C	0	AMP
Motor A Resolver Angle	264	Degree
Motor B Resolver Angle	Not Programmed	Degree
Motor A Temp Sensor	16	DegC
Motor B Temp Sensor	15	DegC
Outside Air Temperature	20.0	DegC
Ignition State	Reserved	
HCP ePT Wake Up Output	Off	
CBC Wake-Up Input	Off	
EPT LOC Diag Enable	Enable LOC Diagnostic	
Propulsion System Active	False	
HV Contactor Status	Open	
HV Battery Voltage from BPCM	180.00	Volts
Electric Motor A Speed	0.0	rpm
Electric Motor B Speed	0.0	rpm
PIM DC Link Voltage - A	0	Volts
PIM DC Link Voltage B	0	Volts
Inverter A IGBT Temperature for phase A	11	DegC
Inverter A IGBT Temperature for phase B	13	DegC
Inverter A IGBT Temperature for phase C	14	DegC
Inverter B IGBT Temperature for phase A	12	DegC
Inverter B IGBT Temperature for phase B	13	DegC
Inverter B IGBT Temperature for phase C	13	DegC
APM Status	Off	
Impact Event	False	
PRND Position Display	P	
HCP System Shutdown Command	Default	
PHEV Charging Status	No Charging	
Distance Travelled with Light ON	0	km
OBCM Operating Mode	UTC	
J1772 Prox Detected State	Prox Out	
HV Battery Sleep Time	0	Days
SW Build Release Version	PIM_20B_2310B0_P1P2_HCP_	
HCP SW Version	20B	
High Voltage bus voltage fault status	No fault	
HV Battery Voltage	339	Volts
HV Battery Voltage fault status	No fault	
APM HV Voltage	0	Volts

APM HV Voltage fault status	No fault	
ECH HV Voltage	0	Volts
ECH HV Voltage fault status	Fault	
EAC HV Voltage	0	Volts
EAC HV Voltage fault status	Fault	
HV Battery Contactor Status FA	No fault	
DAP Contactor Open	Do Not Open	
Air PTC Heater HV Voltage	0	Volts
Air PTC Heater HV Voltage Fault Status	No fault	
DBK Heater HV Voltage	0	Volts
DBK Heater HV Voltage Fault Status	No fault	
High Voltage Interlock Status	Interlock Not Sourced	
Engine WarmUp Cycle Complete	Not Completed	
Charging System Status	Not Charging	
Charging Level	Default	
High Voltage Contactor Control	Open	
GPS Date Year	59399	Year
GPS Date - Month	11	
GPS Date Day	20	Days
UTC Time - Hours	14	Hours
UTC Time Minutes	18	
UTC Time Seconds	23	seconds
ECU Time - Milliseconds	750	ms

HCP | B12B4-00 | Stored | Charge Status Indicator Module Internal-

NAME	VALUE	UNITS
DTC	92 B4 00	
Test Failed	False	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number	01	
Occurrence flag	Occurrence	
Original Odometer Value	0.0	km
Most Recent Odometer Value	0.0	km
Frequency Counter	1	
Ignition Cycle Counter	0	
Microcontroller reset reason - Core 0	FFFF0003	

Microcontroller reset reason - Core 1	Power Up	
Real time clock	1019625856	sec
RAM stamps keyOn	180	sec
RAM Stamps	184141	Min
Accelerator Pedal Position	0	%
Barometric Pressure	99	kPa
Engine Coolant Temperature	14	DegC
Engine Speed	0	rpm
Vehicle Speed	0.0000	km/h
HV Battery SOC	18	%
Brake Switch Status	Not Applied	
Battery Feed Voltage 1 Sense	5.328	Volts
Battery Feed Voltage 2 Sense	5.328	Volts
Battery Feed Voltage 3 Sense	5.616	Volts
Internal EPS Voltage Sense A	0.000	Volts
Internal EPS Voltage Sense B	0.000	Volts
Hybrid System State	SNA	
Actual Torque - Motor A	0.125	NM
Actual Torque Motor B	0.000	NM
Available Motor Torque - Motor A	53.000	NM
Available Motor Torque Motor B	0.000	NM
Available Regen Torque Motor A	53.000	NM
Available Regen Torque - Motor B	0.000	NM
Commanded Torque Motor A	0.000	NM
Commanded Torque - Motor B	0.000	NM
Motor A Inverter Current phase A	0	AMP
Motor A - Inverter Current - phase B	-4	AMP
Motor A - Inverter Current - phase C	-4	AMP
Motor B Inverter Current phase A	0	AMP
Motor B - Inverter Current - phase B	-4	AMP
Motor B Inverter Current phase C	0	AMP
Motor A Resolver Angle	264	Degree
Motor B Resolver Angle	Not Programmed	Degree
Motor A Temp Sensor	17	DegC
Motor B Temp Sensor	15	DegC
Outside Air Temperature	20.0	DegC
Ignition State	Reserved	
HCP ePT Wake-Up Output	Off	
CBC Wake Up Input	Off	
EPT LOC Diag Enable	Enable LOC Diagnostic	
Propulsion System Active	False	
HV Contactor Status	Open	

HV Battery Voltage from BPCM	180.00	Volts
Electric Motor A Speed	0.0	rpm
Electric Motor B Speed	0.0	rpm
PIM DC Link Voltage - A	0	Volts
PIM DC Link Voltage - B	0	Volts
Inverter A IGBT Temperature for phase A	11	DegC
Inverter A IGBT Temperature for phase B	13	DegC
Inverter A IGBT Temperature for phase C	14	DegC
Inverter B IGBT Temperature for phase A	12	DegC
Inverter B IGBT Temperature for phase B	12	DegC
Inverter B IGBT Temperature for phase C	13	DegC
APM Status	Off	
Impact Event	False	
PRND Position Display	P	
HCP System Shutdown Command	Default	
PHEV Charging Status	No Charging	
Distance Travelled with Light ON	0	km
OBCM Operating Mode	UTC	
J1772 Prox Detected State	Prox Out	
HV Battery Sleep Time	0	Days
SW Build Release Version	PIM_20B_2310B0_P1P2_HCP_	
HCP SW Version	20B	
High Voltage bus voltage fault status	No fault	
HV Battery Voltage	339	Volts
HV Battery Voltage fault status	No fault	
APM HV Voltage	0	Volts
APM HV Voltage fault status	No fault	
ECH HV Voltage	0	Volts
ECH HV Voltage fault status	Fault	
EAC HV Voltage	0	Volts
EAC HV Voltage fault status	No fault	
HV Battery Contactor Status FA	No fault	
DAP Contactor Open	Do Not Open	
Air PTC Heater HV Voltage	0	Volts
Air PTC Heater HV Voltage Fault Status	No fault	
DBK Heater HV Voltage	0	Volts
DBK Heater HV Voltage Fault Status	No fault	
High Voltage Interlock Status	Interlock Not Sourced	
Engine WarmUp Cycle Complete	Not Completed	
Charging System Status	Not Charging	
Charging Level	Default	
High Voltage Contactor Control	Open	

GPS Date - Year	59399	Year
GPS Date - Month	11	
GPS Date - Day	20	Days
UTC Time - Hours	14	Hours
UTC Time - Minutes	18	
UTC Time - Seconds	6	seconds
ECU Time - Milliseconds	256	ms

HCP | P0562-00 | Stored | System Voltage Low-

NAME	VALUE	UNITS
DTC	05 62 00	
Test Failed	False	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number	01	
Occurrence flag	Occurrence	
Original Odometer Value	21526.7	km
Most Recent Odometer Value	21526.8	km
Frequency Counter	2	
Ignition Cycle Counter	0	
Microcontroller reset reason - Core 0	FFFF0003	
Microcontroller reset reason - Core 1	Power Up	
Real time clock	1019625728	sec
RAM stamps keyOn	60	sec
RAM Stamps	184139	Min
Accelerator Pedal Position	0	%
Barometric Pressure	99	kPa
Engine Coolant Temperature	14	DegC
Engine Speed	0	rpm
Vehicle Speed	0.0000	km/h
HV Battery SOC	18	%
Brake Switch Status	Not Applied	
Battery Feed Voltage 1 Sense	8.424	Volts
Battery Feed Voltage 2 Sense	8.424	Volts
Battery Feed Voltage 3 Sense	8.496	Volts
Internal EPS Voltage Sense A	0.000	Volts
Internal EPS Voltage Sense B	0.000	Volts

Hybrid System State	SNA	
Actual Torque - Motor A	0.125	NM
Actual Torque - Motor B	0.000	NM
Available Motor Torque - Motor A	53.000	NM
Available Motor Torque - Motor B	0.000	NM
Available Regen Torque - Motor A	-53.000	NM
Available Regen Torque - Motor B	0.000	NM
Commanded Torque - Motor A	0.000	NM
Commanded Torque - Motor B	0.000	NM
Motor A - Inverter Current - phase A	0	AMP
Motor A - Inverter Current - phase B	-4	AMP
Motor A - Inverter Current - phase C	-4	AMP
Motor B - Inverter Current - phase A	0	AMP
Motor B - Inverter Current - phase B	0	AMP
Motor B - Inverter Current - phase C	0	AMP
Motor A Resolver Angle	264	Degree
Motor B Resolver Angle	Not Programmed	Degree
Motor A Temp Sensor	17	DegC
Motor B Temp Sensor	14	DegC
Outside Air Temperature	14.0	DegC
Ignition State	Reserved	
HCP ePT Wake-Up Output	Off	
CBC Wake-Up Input	Off	
EPT LOC Diag Enable	Enable LOC Diagnostic	
Propulsion System Active	False	
HV Contactor Status	Open	
HV Battery Voltage from BPCM	180.00	Volts
Electric Motor A Speed	0.0	rpm
Electric Motor B Speed	0.0	rpm
PIM DC Link Voltage - A	0	Volts
PIM DC Link Voltage - B	0	Volts
Inverter A IGBT Temperature for phase A	11	DegC
Inverter A IGBT Temperature for phase B	13	DegC
Inverter A IGBT Temperature for phase C	14	DegC
Inverter B IGBT Temperature for phase A	12	DegC
Inverter B IGBT Temperature for phase B	12	DegC
Inverter B IGBT Temperature for phase C	13	DegC
APM Status	Idle	
Impact Event	False	
PRND Position Display	P	
HCP System Shutdown Command	Default	
PHEV Charging Status	No Charging	

Distance Travelled with Light ON	0	km
OBCM Operating Mode	UTC	
J1772 Prox Detected State	Prox Out	
HV Battery Sleep Time	0	Days
SW Build Release Version	PIM_20B_2310B0_P1P2_HCP_	
HCP SW Version	20B	
High Voltage bus voltage fault status	No fault	
HV Battery Voltage	339	Volts
HV Battery Voltage fault status	No fault	
APM HV Voltage	0	Volts
APM HV Voltage fault status	No fault	
ECH HV Voltage	0	Volts
ECH HV Voltage fault status	No fault	
EAC HV Voltage	0	Volts
EAC HV Voltage fault status	No fault	
HV Battery Contactor Status FA	No fault	
DAP Contactor Open	Do Not Open	
Air PTC Heater HV Voltage	0	Volts
Air PTC Heater HV Voltage Fault Status	No fault	
DBK Heater HV Voltage	0	Volts
DBK Heater HV Voltage Fault Status	No fault	
High Voltage Interlock Status	Interlock Passed	
Engine WarmUp Cycle Complete	Not Completed	
Charging System Status	Not Charging	
Charging Level	Default	
High Voltage Contactor Control	Open	
GPS Date - Year	59399	Year
GPS Date - Month	11	
GPS Date - Day	20	Days
UTC Time - Hours	14	Hours
UTC Time - Minutes	16	
UTC Time - Seconds	1	seconds
ECU Time - Milliseconds	869	ms

HCP | U0415-00 | Active | Invalid Data Received from Anti-Lock Brake System (ABS) Control Module "A"-

NAME	VALUE	UNITS
DTC	C4 15 00	
Test Failed	True	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	

Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	True	
DTC Extended Data Record Number	01	
Occurrence flag	Occurrence	
Original Odometer Value	21526.8	km
Most Recent Odometer Value	21526.8	km
Frequency Counter	1	
Ignition Cycle Counter	0	
Microcontroller reset reason - Core 0	FFFF0003	
Microcontroller reset reason - Core 1	Power Up	
Real time clock	1019625856	sec
RAM stamps keyOn	15	sec
RAM Stamps	184141	Min
Accelerator Pedal Position	0	%
Barometric Pressure	99	kPa
Engine Coolant Temperature	14	DegC
Engine Speed	0	rpm
Vehicle Speed	0.0000	km/h
HV Battery SOC	18	%
Brake Switch Status	Not Applied	
Battery Feed Voltage 1 Sense	11.520	Volts
Battery Feed Voltage 2 Sense	11.520	Volts
Battery Feed Voltage 3 Sense	11.592	Volts
Internal EPS Voltage Sense A	8.928	Volts
Internal EPS Voltage Sense B	8.856	Volts
Hybrid System State	Inverters Enabled	
Actual Torque - Motor A	0.000	NM
Actual Torque - Motor B	0.000	NM
Available Motor Torque - Motor A	53.000	NM
Available Motor Torque - Motor B	244.625	NM
Available Regen Torque - Motor A	-53.000	NM
Available Regen Torque - Motor B	0.000	NM
Commanded Torque - Motor A	0.000	NM
Commanded Torque - Motor B	0.000	NM
Motor A - Inverter Current - phase A	0	AMP
Motor A - Inverter Current - phase B	0	AMP
Motor A - Inverter Current - phase C	-4	AMP
Motor B - Inverter Current - phase A	-4	AMP
Motor B - Inverter Current - phase B	0	AMP
Motor B - Inverter Current - phase C	0	AMP
Motor A Resolver Angle	264	Degree

Motor B Resolver Angle	Not Programmed	Degree
Motor A Temp Sensor	16	DegC
Motor B Temp Sensor	123	DegC
Outside Air Temperature	14.0	DegC
Ignition State	Reserved	
HCP ePT Wake-Up Output	Off	
CBC Wake-Up Input	Off	
EPT LOC Diag Enable	Enable LOC Diagnostic	
Propulsion System Active	False	
HV Contactor Status	Closed	
HV Battery Voltage from BPCM	339.90	Volts
Electric Motor A Speed	0.0	rpm
Electric Motor B Speed	0.0	rpm
PIM DC Link Voltage - A	340	Volts
PIM DC Link Voltage - B	340	Volts
Inverter A IGBT Temperature for phase A	11	DegC
Inverter A IGBT Temperature for phase B	13	DegC
Inverter A IGBT Temperature for phase C	14	DegC
Inverter B IGBT Temperature for phase A	12	DegC
Inverter B IGBT Temperature for phase B	12	DegC
Inverter B IGBT Temperature for phase C	13	DegC
APM Status	Off	
Impact Event	False	
PRND Position Display	P	
HCP System Shutdown Command	Default	
PHEV Charging Status	No Charging	
Distance Travelled with Light ON	0	km
OBCM Operating Mode	UTC	
J1772 Prox Detected State	Prox Out	
HV Battery Sleep Time	0	Days
SW Build Release Version	PIM_20B_2310B0_P1P2_HCP_	
HCP SW Version	20B	
High Voltage bus voltage fault status	No fault	
HV Battery Voltage	339	Volts
HV Battery Voltage fault status	No fault	
APM HV Voltage	338	Volts
APM HV Voltage fault status	No fault	
ECH HV Voltage	342	Volts
ECH HV Voltage fault status	No fault	
EAC HV Voltage	332	Volts
EAC HV Voltage fault status	No fault	
HV Battery Contactor Status FA	No fault	

DAP Contactor Open	Do Not Open	
Air PTC Heater HV Voltage	0	Volts
Air PTC Heater HV Voltage Fault Status	No fault	
DBK Heater HV Voltage	342	Volts
DBK Heater HV Voltage Fault Status	No fault	
High Voltage Interlock Status	Interlock Passed	
Engine WarmUp Cycle Complete	Not Completed	
Charging System Status	Not Charging	
Charging Level	Default	
High Voltage Contactor Control	Closed	
GPS Date - Year	59399	Year
GPS Date - Month	11	
GPS Date - Day	20	Days
UTC Time - Hours	14	Hours
UTC Time - Minutes	19	
UTC Time - Seconds	1	seconds
ECU Time - Milliseconds	88	ms

HCP | U3501-00 | Pending | Control Module Input Power "A" Circuit Low-

NAME	VALUE	UNITS
DTC	F5 01 00	
Test Failed	False	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Confirmed DTC	False	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number		
Occurrence flag		
Original Odometer Value		km
Most Recent Odometer Value		km
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		kPa

Engine Coolant Temperature		DegC
Engine Speed		rpm
Vehicle Speed		km/h
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		NM
Actual Torque - Motor B		NM
Available Motor Torque - Motor A		NM
Available Motor Torque - Motor B		NM
Available Regen Torque - Motor A		NM
Available Regen Torque - Motor B		NM
Commanded Torque - Motor A		NM
Commanded Torque - Motor B		NM
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		DegC
Motor B Temp Sensor		DegC
Outside Air Temperature		DegC
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		DegC

Inverter A IGBT Temperature for phase B		DegC
Inverter A IGBT Temperature for phase C		DegC
Inverter B IGBT Temperature for phase A		DegC
Inverter B IGBT Temperature for phase B		DegC
Inverter B IGBT Temperature for phase C		DegC
APM Status		
Impact Event		
PRND Position Display		
HCP System Shutdown Command		
PHEV Charging Status		
Distance Travelled with Light ON		km
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		Volts
EAC HV Voltage fault status		
HV Battery Contactor Status FA		
DAP Contactor Open		
Air PTC Heater HV Voltage		Volts
Air PTC Heater HV Voltage Fault Status		
DBK Heater HV Voltage		Volts
DBK Heater HV Voltage Fault Status		
High Voltage Interlock Status		
Engine WarmUp Cycle Complete		
Charging System Status		
Charging Level		
High Voltage Contactor Control		
GPS Date - Year		Year
GPS Date - Month		
GPS Date - Day		Days
UTC Time - Hours		Hours
UTC Time - Minutes		
UTC Time - Seconds		seconds

ECU Time - Milliseconds

ms

ABS0 | C2100-00 | Active | Battery Voltage Low-

NAME	VALUE	UNITS
DTC	61 00 00	
Test Failed	True	
Test Failed This Operation Cycle	True	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	True	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	True	
Warning Indicator Requested	True	
Occurrence flag	Error	
Controller Event	No	
Mirror Memory	No	
Undervoltage Suspected	Yes	
Original Odometer Value	21440	km
Most Recent Odometer Value	21520	km
Frequency Counter	255	
Ignition Cycle Counter	1	
Fault Time	23.40	S
Current System Mode	CAN active	
Previous System Mode	CAN active	
Wheel Speed Left Front	0.000	km/h
Rotation Direction Left Front	Invalid	
Wheel Speed Right Front	0.000	km/h
Rotation Direction Right Front	Invalid	
Wheel Speed Left Rear	0.000	km/h
Rotation Direction Left Rear	Invalid	
Wheel Speed Right Rear	0.000	km/h
Rotation Direction Right Rear	Invalid	
Steering Wheel Angle	10.00	°
Longitudinal Acceleration	-0.52	m/s^2
Yaw Rate	0.73	°/s
Supplier Internal Code	339	

ABS0 | C2102-00 | Stored | System Voltage Low-

NAME	VALUE	UNITS
DTC	61 02 00	
Test Failed	False	
Test Failed This Operation Cycle	False	

Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
Occurrence flag	Error	
Controller Event	No	
Mirror Memory	No	
Undervoltage Suspected	Yes	
Original Odometer Value	21440	km
Most Recent Odometer Value	21520	km
Frequency Counter	77	
Ignition Cycle Counter	0	
Fault Time	15.00	S
Current System Mode	Ignition Run	
Previous System Mode	CAN active	
Wheel Speed Left Front	0.000	km/h
Rotation Direction Left Front	Invalid	
Wheel Speed Right Front	0.000	km/h
Rotation Direction Right Front	Invalid	
Wheel Speed Left Rear	0.000	km/h
Rotation Direction Left Rear	Invalid	
Wheel Speed Right Rear	0.000	km/h
Rotation Direction Right Rear	Invalid	
Steering Wheel Angle	10.00	°
Longitudinal Acceleration	-0.54	m/s ²
Yaw Rate	0.73	°/s
Supplier Internal Code	6983	

ABSO | U3006-00 | Stored | Control Module Input Power "A" Circuit/Open-

NAME	VALUE	UNITS
DTC	F0 06 00	
Test Failed	False	
Test Failed This Operation Cycle	True	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	True	
Occurrence flag	Error	

Controller Event	No	
Mirror Memory	No	
Undervoltage Suspected	Yes	
Original Odometer Value	21456	km
Most Recent Odometer Value	21520	km
Frequency Counter	255	
Ignition Cycle Counter	2	
Fault Time	64.20	S
Current System Mode	CAN active	
Previous System Mode	CAN active	
Wheel Speed Left Front	0.000	km/h
Rotation Direction Left Front	Invalid	
Wheel Speed Right Front	0.000	km/h
Rotation Direction Right Front	Invalid	
Wheel Speed Left Rear	0.000	km/h
Rotation Direction Left Rear	Invalid	
Wheel Speed Right Rear	0.000	km/h
Rotation Direction Right Rear	Invalid	
Steering Wheel Angle	10.00	°
Longitudinal Acceleration	-0.52	m/s^2
Yaw Rate	0.61	°/s
Supplier Internal Code	5633	

ABSO | U3007-00 | Stored | Control Module Input Power "B" Circuit/Open-

NAME	VALUE	UNITS
DTC	F0 07 00	
Test Failed	False	
Test Failed This Operation Cycle	True	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	True	
Occurrence flag	Error	
Controller Event	No	
Mirror Memory	No	
Undervoltage Suspected	Yes	
Original Odometer Value	21456	km
Most Recent Odometer Value	21520	km
Frequency Counter	255	
Ignition Cycle Counter	2	

Fault Time	64.20	S
Current System Mode	CAN active	
Previous System Mode	CAN active	
Wheel Speed Left Front	0.000	km/h
Rotation Direction Left Front	Invalid	
Wheel Speed Right Front	0.000	km/h
Rotation Direction Right Front	Invalid	
Wheel Speed Left Rear	0.000	km/h
Rotation Direction Left Rear	Invalid	
Wheel Speed Right Rear	0.000	km/h
Rotation Direction Right Rear	Invalid	
Steering Wheel Angle	10.00	°
Longitudinal Acceleration	-0.52	m/s^2
Yaw Rate	0.61	°/s
Supplier Internal Code	5634	

No Environmental Data available for C221F-00

SGW | B2199-16 | Stored | Battery Voltage-Circuit Voltage Below Threshold

NAME	VALUE	UNITS
Test Failed	False	
Test Failed This Monitoring Cycle	False	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed This Monitoring Cycle	False	
Warning Indicator Requested	False	
DTCExtendedDataRecordNumber	Record \$01-\$8f	
Event Counter	Event counter for clear DTC memory	
Cycle to Switch Warning Lamp OFF	3 = error present (3 cycle consecutive for switch MIL OFF) 0 = error Not present 1..2 = number cycle consecutive for switch MIL OFF	

DPDM | C212A-16 | Stored | System Voltage-Circuit Voltage Below Threshold

NAME	VALUE	UNITS
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
Occurrence flag	Error	
Original Odometer Value	21520	km

Most Recent Odometer Value	21520	km
Frequency Counter	3	
Ignition Cycle Counter	2	

DASM | C2129-16 | Stored | Battery Voltage-Circuit Voltage Below Threshold

NAME	VALUE	UNITS
DTC	61 29 16	
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
Occurrence flag	Occurrence	
Original Odometer Value	21520	km
Most Recent Odometer Value	21520	km
Frequency Counter	6	
Operation Cycle Counter	2	
Vehicle Speed	4	km/hr
Ignition Voltage	8.3	
System Voltage	8.7	Volts

DASM | C2225-00 | Active | PCM Disabled ECU-

NAME	VALUE	UNITS
DTC	62 25 00	
Test Failed	True	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
Occurrence flag	Error	
Original Odometer Value	21504	km
Most Recent Odometer Value	21520	km
Frequency Counter	7	
Operation Cycle Counter	0	
Vehicle Speed	47	km/hr
Ignition Voltage	11.1	

System Voltage

11.0

Volts

DASM | C2227-00 | Active | ABS Disabled ECU-

NAME	VALUE	UNITS
DTC	62 27 00	
Test Failed	True	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
Occurrence flag	Error	
Original Odometer Value	21520	km
Most Recent Odometer Value	21520	km
Frequency Counter	1	
Operation Cycle Counter	0	
Vehicle Speed	255	km/hr
Ignition Voltage	11.7	
System Voltage	11.6	Volts

DASM | C0063-9A | Active | Yaw Rate Sensor-Component or System Operating Conditions

NAME	VALUE	UNITS
DTC	40 63 9A	
Test Failed	True	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
Occurrence flag	Error	
Original Odometer Value	21520	km
Most Recent Odometer Value	21520	km
Frequency Counter	1	
Operation Cycle Counter	0	
Vehicle Speed	0	km/hr
Ignition Voltage	11.6	
System Voltage	11.6	Volts

DASM | U0415-00 | Active | Invalid Data Received from Anti-Lock Brake System (ABS) Control Module "A"-

NAME	VALUE	UNITS
DTC	C4 15 00	
Test Failed	True	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
Occurrence flag	Error	
Original Odometer Value	21520	km
Most Recent Odometer Value	21520	km
Frequency Counter	1	
Operation Cycle Counter	0	
Vehicle Speed	0	km/hr
Ignition Voltage	11.7	
System Voltage	11.6	Volts

DASM | C212A-84 | Stored | System Voltage-Signal Below Allowable Range

NAME	VALUE	UNITS
DTC	61 2A 84	
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
Occurrence flag	Occurrence	
Original Odometer Value	21520	km
Most Recent Odometer Value	21520	km
Frequency Counter	2	
Operation Cycle Counter	1	
Vehicle Speed	42	km/hr
Ignition Voltage	9.7	
System Voltage	9.7	Volts

IDCM | U3501-00 | Stored | Control Module Input Power "A" Circuit Low-

NAME	VALUE	UNITS
DTC	F5 01 00	

Test Failed	False	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number - All	01	
Occurrence flag	Error	
Original Odometer Value	0	km
Most Recent Odometer Value	0	km
Frequency Counter	1	
Ignition Cycle Counter	2	
APM High Voltage DC Current Set Point	7.0000	AMP
APM Low Voltage DC Current Set Point	100.0000	AMP
HCP Commanded APM Operating Mode	Idle	
APM High Voltage DC Voltage Set Point	300.0000	Volt
Low voltage battery voltage from HCP	5.4800	Volt
APM Low Voltage DC Voltage Set Point	14.69	Volt
APM Internal Mode	Not in Buck Mode	
APM Wake Up Status	No Wake Up	
APM Wake Up Reason	No Wake Up	
HV Contactor Status	Open	
HV Battery Voltage from BPCM	339.20	Volt
APM Estimated Power	0	Watt
APM HV side Current Feedback	0.1000	AMP
APM LV side Current Feedback	0.1000	AMP
APM Operation Mode Status Reported from APM	Idle	
APM HV Side Voltage Feedback	0.1250	Volt
APM LV Side Voltage Feedback	4.6900	Volt
APM Current Limit Mode	No	
APM Power Limit Mode	No	
APM HV Over V Status	No	
APM LV High I Status	No	
APM LV High V Status	No	
APM LV Low V Status	No	
CurrentFailSts_APM	No	
GenericFailSts_APM	No	
APM Derating Mode Status	No de-rating	
APM Derating Reason	Default (Normal Operation)	
APM Failure Mode Status	Failure Mode	

APM Failure Reason	Failure because of battery feed low/Failure 16	
APM Temp One	12	°C
APM Temp Cold Plate	25	°C
APM Temp Two	14	°C
APM Util Pct of DC/DC	0	%
APM Derating Power	0	Watt
APM Batt Feed Volt	5.7254	Volt
APM I DC HV Set P Feedback	7	AMP
APM LV I Set P Feedback	100.0000	AMP
APM HV V Set P Feedback	300.0000	Volt
APM V DC LV Set P Feedback	14.69	Volt
APM Input Power	0.00	Watt
APM Output Power	0.00	Watt
APM_CurrentOperTime	176	sec
APM_TotalOperTime	3066	Hours
DTC Extended Data Record Number - Record #2	00	
OBCM Status AC Present	AC Not OK	
AC Line Low	Not Valid	
AC Line High	Not Valid	
AC Side Current	0.00	Amps
AC Side Volt	0.0	Volts
HCP (EVCU) AC Current Max Cal	-32.00	Amps
HCP (EVCU) Voltage Request	0	Volts
HCP (EVCU) Current Request	0.00	AMP
Battery Not Detected	False	
Battery Voltage Under Min	Not Valid	
Battery Voltage Over Max	Not Valid	
Battery Side Current	0.20	Amps
Battery Side Voltage	0.0	Volts
OBCM Charge Current Available	0.00	AMP
BPCM HV Battery Contactor Open	True	
HV OC	False	
HV OV	False	
SBC Bus Off	False	
CANSIP Bus Off	True	
HCP (EVCU) HV Current Max Cal	29.50	Amps
HCP (EVCU) HV Volt Max Cal	408	Volt
HCP (EVCU) HV Volt Min Cal	274	Volt
OBCM Temperature 1	15	DegC
OBCM Temperature 2	13	DegC
OBCM Temperature 3	-39	DegC
OBCM Temperature 4	24	DegC

NTC1 OT	False	
NTC2 OT	False	
NTC3 OT	True	
NTC4 OT	False	
External OBCM Inlet Temperature (CAN)	25	DegC
J1772 ICA	0	AMP
J1772 S2 Close	Open	
J1772 Stat	State Not Programmed	
J1772 S2 Status	Open	
Control Pilot Amplitude	0.765	Volts
Control Pilot Duty Cycle	0.00	%
Control Pilot Frequency	No Signal	Hz
EVSE Pilot Stat	NO EVSE	
Prox Stat	Prox Out	
Prox Voltage	4.382	Volt
OBC Charge Time	0	sec
OBC Charge Tml	2621	hrs
OBC Idle Time	0	sec
OBC Idle Tml	3	hrs
Watt-Hours of AC Power	54715	W-Hrs
Watt Hours of Charge the HV Bus	5612	W-Hrs
OBCM Mode	UTC	
OBCM Charger Ready	Off	
OBCM WU Status	Off	
Charge Enable Status	Chrg Disable	
HCP (EVCU) Shutdown Command	EVCU Operational	
HCP (EVCU) Enable Charge Command	Charge disable	
HCP (EVCU) OBC Mode Request	Idle	
Generic Fail Sts	No Functional Fail Present	
Chrg Fail Sts	Faulted - Charging Inhibited	
OBCM Wake Up Reason	Master Wake Up	
OBC Control Mth	Current	
OBCM Deraing Reason	AC Voltage Limit Derating	
Close Chrgr Cntctr	Closed	
Chrgr Cntctr Stat	Open	
Chrg Mode	Charge Mode	
OBCM Fault Reason	12V Battery Fault	
EPT LOC Diag Enable	Enable LOC Diagnostic	
HCP Shutdown Command	No Shutdown	
HV Battey Contactor Open	True	
BPCM Request for HV Contactor	False	
HV Contactor Status	Open	

Ignition on Time for DTC	165	sec
Module A Primary - PFC Temperature	-1	DegC
Module A Primary - LLC Temperature	41	DegC
Module A Secondary - Buck Temperature	-40	DegC
Module A Secondary - Ambient Temperature	24	DegC
Module A Primary - AC Side Volt	0.0	Volts
Module A Primary - AC Side Current	-50.00	Amps
Module A Secondary - Battery Side Voltage	0.0	Volts
Module A Secondary - Battery Side Current	0.10	Amps
Module A Secondary - Buck Output Voltage	6.8	Volts
Module B Primary - PFC Temperature	-40	DegC
Module B Primary - LLC Temperature	-39	DegC
Module B Secondary - Buck Temperature	-40	DegC
Module B Secondary - Ambient Temperature	-40	DegC
Module B Primary - AC Side Volt	1.5	Volts
Module B Primary - AC Side Current	8200	Amps
Module B Secondary - Battery Side Voltage	0.0	Volts
Module B Secondary - Battery Side Current	0.00	Amps
Module B Secondary - Buck Output Voltage	0.0	Volts
OBCM - HV Over Voltage Protect	False	
OBCM - LV Aux Over Voltage Protect	False	
OBCM - LV Aux Under Voltage Protect	False	
OBCM - LLC Over Voltage Protect	False	
OBCM - LLC Under Voltage Protect	False	
OBCM - PFC Over Voltage Protect	False	
OBCM - PFC Under Voltage Protect	False	
OBCM - Battery 12V Under Voltage Protect	True	
OBCM - Battery 12V Over Voltage Protect	False	
OBCM - AC Under Voltage Protect	False	
OBCM - AC Over Voltage Protect	False	
OBCM - AC Over Current Protect	False	
OBCM - HV Voltage Over MaxCal Protect	False	
OBCM - HV Over Current Protect	False	
OBCM - Power Stage Over Voltage Protect	False	
OBCM - Internal Memory Fault	False	
OBCM - Over Temperature Protect	False	
OBCM - HCP Loss of Communication Protect	False	
OBCM - CAN Bus Off	False	
OBCM - Pilot Duty Fault	False	
OBCM - Loss BPCM Communication Protect	False	
OBCM - Prox Range To Low	False	
OBCM - Prox Range To High	False	

OBCM - HV Voltage Under MinCal Protect	False	
OBCM - SPI Communication Fault	False	
OBCM - WakeUp Output Stuck Low	False	
OBCM - Pilot Short To Battery	False	
OBCM - WakeUp Output Stuck High	False	
OBCM - ORC Loss of Communication	False	
OBCM - HV Battery Not Contact	False	
OBCM - Loss Communication Protect	False	
OBCM - Receive HV Battery Contact Open From BPCM	False	
OBCM - Secondary Aux Over Voltage Protect	False	
OBCM - Secondary Aux Under Voltage Protect	False	
OBCM - Primary Aux Over Voltage Protect	False	
OBCM - Primary Aux Under Voltage Protect	False	
OBCM - Stuck Shutdown	False	
OBCM - Cycle Shutdown	False	
OBCM - HV Under Voltage Protect	False	
OBCM - Vehicle Impact	False	
OBCM - ARC/CRC Fault	False	
OBCM - AC Contact Welded Fault	False	
Control Pilot Open fault	False	
Prox open fault	False	
OBCM - Internal S2 Switch Low Fault	False	
OBCM - Internal S2 Switch High Fault	False	
OBCM - Pilot Range Fault	False	
OBCM - Prox Range Fault	False	
force shutdown fault	False	
pilot signal wake up issue because of EVSE	False	
HCP stuck low fault	False	
HCP stuck High fault	False	
Plant mode flag	False	
Retry fault flag	False	
Loss SBC communication (SPI)	False	
pilto input short to battery fault in Driver mode detecting	False	
pilot input short to ground fault	False	
pilot short to ground fault in driver mode detecting	False	
Charging ready line open fault	False	
Pilot frequency range fault	False	
OBCM - Internal S2 Switch High Fault in Driver mode detecting	False	
Module A Primary - AC Under Voltage Protect	False	
Module A Primary - PFC Power Limit	False	
Module A Primary - PFC Enable States	False	
Module A Primary - LLC Enable States	False	

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

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

Module B Secondary - HV Over Temperature Protect	False	
Module B Secondary - Ambient Over Temperature Protect	False	
Module B Secondary - HV Hot Warning	False	
Module B Secondary - Ambient Hot Warning	False	
Module B Secondary - Aux Over Voltage Protect	False	
Module B Secondary - Aux Under Voltage Protect	False	
Module B Secondary - Loss Primary Communication Protect	False	
Module B Secondary - LV Micro Enable Command	False	
Module B Secondary - Loss LV Communication Protect	False	
Module B Secondary - Primary Turn On States	False	
Module B Secondary - Primary Shutdown States	False	
Module B Secondary - HV Under Voltage Protect	False	
Module B Secondary - Standby Mode	False	
Module B Secondary - Operate Mode	False	
Module B Secondary - Shutdown Mode	False	
Module B Secondary - LV Micro Disable Command	False	
Module B Secondary - PFC High Temperature Derating	False	
Module B Secondary - PFC Low Temperature Derating	False	
Module B Secondary - LLC High Temperature Derating	False	
Module B Secondary - LLC Low Temperature Derating	False	
Module B Secondary - HV High Temperature Derating	False	
Module B Secondary - HV Low Temperature Derating	False	
Module B Secondary - Ambient High Temperature Derating	False	
Module B Secondary - Ambient Low Temperature Derating	False	
Module B Secondary - AC Input Voltage Derating	False	
Module B Secondary - HV Output Voltage Derating	False	
SBC State_DF00	02	
SBC State_DF80	84	
SBC State_E100	03	
SBC State_E180	02	
SBC State_E300	11	
SBC State_E500	00	
SBC State_E580	04	
GPS Date - Year	59399	Year
GPS Date - Month	11	
GPS Date - Day	20	Days
UTC Time - Hours	14	Hours
UTC Time - Minutes	17	
UTC Time - Seconds	0	seconds
ECU Time - Milliseconds	530	ms



VEHICLE SCAN REPORT

Vehicle 2022 JEEP WRANGLER 2.0L I4 DOHC DI TURBO PHEV ENGINE
VIN [REDACTED]

Odometer 21469.2 km
Publication Date Nov 6, 2024, 9:56:45 AM

ECU SUMMARY INFO

ECU	NAME	BUS TYPE	FLASH PART #	CURRENT VIN	ORIGINAL VIN	PART #
TCM	Transmission Control Module	CAN C	68563825AF	[REDACTED]	[REDACTED]	68563825AF
PCM	Powertrain Control Module	CAN-C	05188195AF	[REDACTED]	[REDACTED]	05188195AF
ASBS	Automatic Sway Bar System	CAN C	68570943AA	[REDACTED]		68570943AA
ICS	Integrated Center Stack	CAN I	6SX94DX9AE	[REDACTED]	[REDACTED]	6SX94DX9AE
RFH	Radio Frequency Hub	CAN-C	56029925AB	[REDACTED]	[REDACTED]	56029925AB
ESM	Electronic Shifter	CAN C	04670716AD	[REDACTED]	[REDACTED]	04670716AD
DTCM	Drive Train Control Module	CAN-C	68547689AB	[REDACTED]	[REDACTED]	68547689AB
ORC	Occupant Restraint	CAN C	68526670AB	[REDACTED]	[REDACTED]	68526670AB
EPS	Electric Power Steering	CAN-C	68529427AC	[REDACTED]	[REDACTED]	68529427AC
HVAC	Heat, Ventilation and A/C	CAN-I	52080486AB	[REDACTED]	[REDACTED]	52080486AB
CSWM	Comfort Seat Wheel Module	CAN I	68530204AB	[REDACTED]	[REDACTED]	68530204AB
PTCM	Power Top Control Module	CAN-I	68371772AB	[REDACTED]	[REDACTED]	68371772AB
AMP	Amplifier	CAN I	68549084AC	[REDACTED]	[REDACTED]	68549084AC
IPC	Instrument Panel Cluster	CAN-C	68525023AB	[REDACTED]	[REDACTED]	68525023AB
PTS	Parktronics	CAN-C	68441031AC	[REDACTED]	[REDACTED]	68441031AC
SCCM	Steering Column Control Module	CAN C	68526258AA	[REDACTED]	[REDACTED]	68526258AA
BCM	Body Controller	CAN-C	68525356AC	[REDACTED]	[REDACTED]	68525355AC
RADIO	Radio	CAN I	68615156AB	[REDACTED]	[REDACTED]	68615156AB
OCM	Occupant Classification	CAN-C	68403128AA	[REDACTED]	[REDACTED]	68403128AA
LBSS	Left Blind Spot Sensor	CAN-I	68454896AA	[REDACTED]	1 [REDACTED]	68454896AA

RBSS	Right Blind Spot Sensor	CAN-I	68454896AA			68454896AA
BPCM	Battery Pack Control Module	CAN C	05193168AM			05193168AM
HCP	Hybrid Control Processor	CAN-C	68540073AH			68540073AH
AHCP	Auxiliary Hybrid Control Processor	CAN C	68540084AH			68540084AH
ABSO	Anti Lock Brakes OBD	CAN-C	68596542AB			68596542AB
SGW	Security Gateway Module	CAN-C	68532299AB			68532299AB
DPDM	Driver Presence Detection Module	CAN C	68403129AA			68403129AA
DASM	Driver Assistance System Module	CAN-C	04672888AC			04672888AC
IDCM	Integrated Dual Charge Module	CAN C	05185035AS			05185035AS

ECU SUMMARY INFO (CONT...)

ECU	COUNTRY CODE	HARDWARE VERSION	SOFTWARE VERSION	IDENT	SERIAL NUMBER	CVNS
TCM	USA / USA	13 05 0E	18 04 00	4700	T05UM089222148	BE1FEB48
PCM	USA	1D 47	21 22 00	4928	T00EP1862KVNAX	B028D3B7
ASBS	USA	10 01 00	15 0E 01	4500		
ICS	USA	10 1E 00	14 33 00	4802	T159210517	
RFH	USA / USA	10 17 00	15 1D 00	4604	T04Z21742R0071	
ESM	USA	13 0C 00	12 2A 00	4322	T5N171210778	
DTCM	USA	11 22 00	15 0A 01	4501	TH1YC190236EPC	
ORC	USA	14 0B 00	14 12 01	4501	T02JF1892G311F	
EPS	USA	10 13 00	14 31 DC	4005	TFD0442C0220	
HVAC	USA	13 20 00	15 01 01	4420	TCB291772B0514	
CSWM	USA	11 2A 00	15 06 00	4202	TJL6B181200352	
PTCM	USA	11 1A 21	12 12 60	4101	T170867XXX12	
AMP	USA	21 01 01	15 29 00	4034	TH1AA1942G2192	
IPC	USA	21 2C 00	15 2C 01	4805	JLZ7176250KZ	
PTS	USA	10 32 01	13 24 03	4401	??????????????	
SCCM	USA	13 28 00	13 29 00	4301	S15020274	
BCM	USA	0D 11 00	15 21 50	4630	T1C196225134	
RADIO	USA	16 27 13	16 27 13	8205	T M9175201210	
OCM	USA	11 31 01	11 07 04	4060	TJLJY1752150ES	
LBSS	USA	11 23 01	12 25 00	4204	TJL 193240522	
RBSS	USA	11 23 01	12 25 00	4204	TJL 195240029	
BPCM	Rest of world / ROW	14 20 05	17 21 43	5704	TAA611992C0601	5A32814F
HCP	USA	16 09 06	17 13 01	5403	TVS9H1332Z0358	1EF499B5 19903A88 4B0D83D8

AHCP	USA	16 09 06	14 33 01	5600		
ABSO	USA	15 2F 00	16 18 03	4300	T6WOL1912L0758	487C0506
SGW		5	1125	4103	TF1161742J0C9A0	
DPDM	USA	11 31 01	11 0F 04	4510	TJLJY18221627W	
DASM	USA	11 0E 00	15 26 01	401C	T037M165220111	
IDCM	USA	15 0E 00	16 1C 00	4000	TD60A1822D8590	

DTC SUMMARY

ECU	DTC CODE	DTC DESCRIPTION	STATUS
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ENVIRONMENTAL DATA SUMMARY

No Environmental Data available

SNAPSHOT DATA SUMMARY

No Snapshot Data available





VEHICLE SCAN REPORT

Vehicle 2022 JEEP WRANGLER 2.0L I4 DOHC DI TURBO PHEV ENGINE
VIN [REDACTED]

Odometer 21526.8 km
Publication Date Nov 20, 2024, 9:20:59 AM

ECU SUMMARY INFO

ECU	NAME	BUS TYPE	FLASH PART #	CURRENT VIN	ORIGINAL VIN	PART #
TCM	Transmission Control Module	CAN C	68563825AF	[REDACTED]	[REDACTED]	68563825AF
PCM	Powertrain Control Module	CAN-C	05188195AF	[REDACTED]	[REDACTED]	05188195AF
ASBS	Automatic Sway Bar System	CAN C	68570943AA	[REDACTED]	[REDACTED]	68570943AA
ICS	Integrated Center Stack	CAN I	6SX94DX9AE	[REDACTED]	[REDACTED]	6SX94DX9AE
RFH	Radio Frequency Hub	CAN-C	56029925AB	[REDACTED]	[REDACTED]	56029925AB
ESM	Electronic Shifter	CAN C	04670716AD	[REDACTED]	[REDACTED]	04670716AD
DTCM	Drive Train Control Module	CAN-C	68547689AB	[REDACTED]	[REDACTED]	68547689AB
ORC	Occupant Restraint	CAN C	68526670AB	[REDACTED]	[REDACTED]	68526670AB
EPS	Electric Power Steering	CAN-C	68529427AC	[REDACTED]	[REDACTED]	68529427AC
HVAC	Heat, Ventilation and A/C	CAN-I	52080486AB	[REDACTED]	[REDACTED]	52080486AB
CSWM	Comfort Seat Wheel Module	CAN I	68530204AB	[REDACTED]	[REDACTED]	68530204AB
PTCM	Power Top Control Module	CAN-I	68371772AB	[REDACTED]	[REDACTED]	68371772AB
AMP	Amplifier	CAN I	68549084AC	[REDACTED]	[REDACTED]	68549084AC
IPC	Instrument Panel Cluster	CAN-C	68525023AB	[REDACTED]	[REDACTED]	68525023AB
PTS	Parktronics	CAN-C	68441031AC	[REDACTED]	[REDACTED]	68441031AC
SCCM	Steering Column Control Module	CAN C	68526258AA	[REDACTED]	[REDACTED]	68526258AA
BCM	Body Controller	CAN-C	68525356AC	[REDACTED]	[REDACTED]	68525355AC
RADIO	Radio	CAN I	68615156AB	[REDACTED]	[REDACTED]	68615156AB
OCM	Occupant Classification	CAN-C	68403128AA	[REDACTED]	[REDACTED]	68403128AA
LBSS	Left Blind Spot Sensor	CAN-I	68454896AA	[REDACTED]	[REDACTED]	68454896AA

RBSS	Right Blind Spot Sensor	CAN-I	68454896AA			68454896AA
BPCM	Battery Pack Control Module	CAN C	05193168AM			05193168AM
HCP	Hybrid Control Processor	CAN-C	68540073AH			68540073AH
AHCP	Auxiliary Hybrid Control Processor	CAN C	68540084AH			68540084AH
ABSO	Anti Lock Brakes OBD	CAN-C	68596542AB			68596542AB
SGW	Security Gateway Module	CAN-C	68532299AB			68532299AB
DPDM	Driver Presence Detection Module	CAN C	68403129AA			68403129AA
DASM	Driver Assistance System Module	CAN-C	04672888AC			04672888AC
IDCM	Integrated Dual Charge Module	CAN C	05185035AS			05185035AS

ECU SUMMARY INFO (CONT...)

ECU	COUNTRY CODE	HARDWARE VERSION	SOFTWARE VERSION	IDENT	SERIAL NUMBER	CVNS
TCM	USA / USA	13 05 0E	18 04 00	4700		BE1FEB48
PCM	USA	1D 47	21 22 00	4928		B028D3B7
ASBS	USA	10 01 00	15 0E 01	4500		
ICS	USA	10 1E 00	14 33 00	4802		
RFH	USA / USA	10 17 00	15 1D 00	4604		
ESM	USA	13 0C 00	12 2A 00	4322		
DTCM	USA	11 22 00	15 0A 01	4501		
ORC	USA	14 0B 00	14 12 01	4501		
EPS	USA	10 13 00	14 31 DC	4005		
HVAC	USA	13 20 00	15 01 01	4420		
CSWM	USA	11 2A 00	15 06 00	4202		
PTCM	USA	11 1A 21	12 12 60	4101		
AMP	USA	21 01 01	15 29 00	4034		
IPC	USA	21 2C 00	15 2C 01	4805		
PTS	USA	10 32 01	13 24 03	4401		
SCCM	USA	13 28 00	13 29 00	4301		
BCM	USA	0D 11 00	15 21 50	4630		
RADIO	USA	16 27 13	16 27 13	8205		
OCM	USA	11 31 01	11 07 04	4060		
LBSS	USA	11 23 01	12 25 00	4204		
RBSS	USA	11 23 01	12 25 00	4204		
BPCM	Rest of world / ROW	14 20 05	17 21 43	5704		5A32814F
HCP	USA	16 09 06	17 13 01	5403		1EF499B5 19903A88 4B0D83D8

AHCP	USA	16 09 06	14 33 01	5600		
ABSO	USA	15 2F 00	16 18 03	4300		487C0506
SGW		5	1125	4103		
DPDM	USA	11 31 01	11 0F 04	4510		
DASM	USA	11 0E 00	15 26 01	401C		
IDCM	USA	15 0E 00	16 1C 00	4000		

DTC SUMMARY

ECU	DTC CODE	DTC DESCRIPTION	STATUS
TCM	U1267 00	No Valid Data Available from ESM on CAN C or CAN D PT	Stored
TCM	U1412 00	Implausible Vehicle Speed Signal Received	Active
TCM	U0415-00	Invalid Data Received from Anti-Lock Brake System (ABS) Control Module "A"-	Pending
TCM	U0400 00	Implausible Data Received From Other ECU	Stored
TCM	P0B09-00	Auxiliary Transmission Fluid Pump 1 Motor Supply Voltage Circuit/Open-	Stored
PCM	U140C	Implausible Right Rear Wheel Speed Signal Received	Active
PCM	U140B	Implausible Left Rear Wheel Speed Signal Received	Active
PCM	U140A	Implausible Right Front Wheel Speed Signal Received	Active
PCM	U1409	Implausible Left Front Wheel Speed Signal Received	Active
ASBS	C2129-16	Battery Voltage-Circuit Voltage Below Threshold	Stored
ASBS	C212A 16	System Voltage Circuit Voltage Below Threshold	Stored
ASBS	U0415 00	Invalid Data Received from Anti Lock Brake System (ABS) Control Module "A"	Active
ICS	B210A-00	System Voltage Low-	Stored
ICS	B210D 00	Battery Voltage Low	Stored
RFH	B21DD-84	System Voltage-Signal Below Allowable Range	Stored
RFH	B2199 16	Battery Voltage Circuit Voltage Below Threshold	Stored
ESM	P1C8B-16	Battery Voltage-Circuit Voltage Below Threshold	Stored
ESM	P1C8C-16	System Voltage-Circuit Voltage Below Threshold	Stored
DTCM	U0415 00	Invalid Data Received from Anti Lock Brake System (ABS) Control Module "A"	Active
EPS	C2129-16	Battery Voltage-Circuit Voltage Below Threshold	Stored
EPS	U0415 00	Invalid Data Received from Anti Lock Brake System (ABS) Control Module "A"	Active
EPS	C212A-16	System Voltage-Circuit Voltage Below Threshold	Stored
HVAC	U0422-00	Implausible Data Received From Body Control Module-	Active
HVAC	B2199 16	Battery Voltage Circuit Voltage Below Threshold	Stored
HVAC	B21DD-84	System Voltage-Signal Below Allowable Range	Stored
CSWM	B2199 16	Battery Voltage Circuit Voltage Below Threshold	Stored
CSWM	B11C1-13	Steering Wheel Heater Power Supply Circuit-Circuit Open	Stored
CSWM	B21DD-84	System Voltage-Signal Below Allowable Range	Stored
PTCM	U0011 00	CAN Interior Bus Off Performance	Stored
PTCM	B2590-16	Roof Motor "B" Power Supply-Circuit Voltage Below Threshold	Stored
PTCM	B2199 16	Battery Voltage Circuit Voltage Below Threshold	Stored
PTCM	B21DD-84	System Voltage-Signal Below Allowable Range	Stored
AMP	B21DD 84	System Voltage Signal Below Allowable Range	Stored

IPC	B21DD-84	System Voltage-Signal Below Allowable Range	Stored
PTS	U0415 00	Invalid Data Received from Anti Lock Brake System (ABS) Control Module "A"	Active
PTS	B21DD-16	System Voltage-Circuit Voltage Below Threshold	Stored
PTS	B210C 16	Battery Voltage Input Circuit Voltage Below Threshold	Stored
SCCM	C212A-16	System Voltage-Circuit Voltage Below Threshold	Stored
BCM	U151E-00	Pedestrian Alert Control Module received implausible data from the BCM-	Active
BCM	B2199 16	Battery Voltage Circuit Voltage Below Threshold	Stored
RADIO	B210A-16	System Voltage Low-Circuit Voltage Below Threshold	Active
OCM	C212A 16	System Voltage Circuit Voltage Below Threshold	Stored
LBSS	B21DD-84	System Voltage-Signal Below Allowable Range	Stored
LBSS	B2199 16	Battery Voltage Circuit Voltage Below Threshold	Stored
LBSS	U0422 00	Implausible Data Received From Body Control Module	Active
RBSS	B21DD-84	System Voltage-Signal Below Allowable Range	Stored
RBSS	B2199 16	Battery Voltage Circuit Voltage Below Threshold	Stored
RBSS	U0422-00	Implausible Data Received From Body Control Module-	Active
BPCM	P0B10 00	Hybrid/EV Battery Pack Current Sensor 2 Circuit Low	Stored
BPCM	P1A0C 00	Battery Energy Control Module System Voltage Low	Stored
BPCM	P0562-00	System Voltage Low-	Stored
BPCM	U064A 00	Lost Communication with Hybrid/EV Battery Pack Current Sensor "A"	Stored
BPCM	U0293-00	Lost Communication with Hybrid Control Module "A"-	Stored
HCP	P2534 00	Ignition Switch On/Start Position Circuit Low	Stored
HCP	P2537 00	Ignition Switch Accessory Position Circuit Low	Stored
HCP	B12B4-00	Charge Status Indicator Module Internal-	Stored
HCP	P0562 00	System Voltage Low	Stored
HCP	U0415-00	Invalid Data Received from Anti-Lock Brake System (ABS) Control Module "A"-	Active
HCP	U3501 00	Control Module Input Power "A" Circuit Low	Pending
ABSO	C2100-00	Battery Voltage Low-	Active
ABSO	C2102-00	System Voltage Low-	Stored
ABSO	U3006 00	Control Module Input Power "A" Circuit/Open	Stored
ABSO	U3007-00	Control Module Input Power "B" Circuit/Open-	Stored
ABSO	C221F 00		Stored
SGW	B2199-16	Battery Voltage-Circuit Voltage Below Threshold	Stored
DPDM	C212A-16	System Voltage-Circuit Voltage Below Threshold	Stored
DASM	C2129 16	Battery Voltage Circuit Voltage Below Threshold	Stored
DASM	C2225-00	PCM Disabled ECU-	Active
DASM	C2227 00	ABS Disabled ECU	Active
DASM	C0063-9A	Yaw Rate Sensor-Component or System Operating Conditions	Active
DASM	U0415-00	Invalid Data Received from Anti-Lock Brake System (ABS) Control Module "A"-	Active
DASM	C212A 84	System Voltage Signal Below Allowable Range	Stored
IDCM	U3501-00	Control Module Input Power "A" Circuit Low-	Stored

ENVIRONMENTAL DATA SUMMARY



TCM | U1267-00 | Stored | No Valid Data Available from ESM on CAN-C or CAN D-PT-

NAME	VALUE	UNITS
DTC	D2 67 00	
Test Failed	False	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number All	01	
Occurrence flag	Error	
Original Odometer Value	21520	km
Most Recent Odometer Value	21520	km
Frequency Counter	1	
Ignition Cycle Counter	0	

TCM | U1412-00 | Active | Implausible Vehicle Speed Signal Received-

NAME	VALUE	UNITS
DTC	D4 12 00	
Test Failed	True	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Confirmed DTC	False	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number All	01	
Occurrence flag	Error	
Original Odometer Value	21520	km
Most Recent Odometer Value	21520	km
Frequency Counter	2	
Ignition Cycle Counter	0	

TCM | U0415-00 | Pending | Invalid Data Received from Anti-Lock Brake System (ABS) Control Module "A"-

NAME	VALUE	UNITS
DTC	C4 15 00	
Test Failed	False	
Test Failed This Operation Cycle	True	
Pending DTC	True	

Confirmed DTC	False	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number - All	01	
Occurrence flag	Error	
Original Odometer Value	21520	km
Most Recent Odometer Value	21520	km
Frequency Counter	1	
Ignition Cycle Counter	0	

TCM | U0400-00 | Stored | Implausible Data Received From Other ECU-

NAME	VALUE	UNITS
DTC	C4 00 00	
Test Failed	False	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number All	01	
Occurrence flag	Error	
Original Odometer Value	21520	km
Most Recent Odometer Value	21520	km
Frequency Counter	1	
Ignition Cycle Counter	0	

TCM | P0B09-00 | Stored | Auxiliary Transmission Fluid Pump 1 Motor Supply Voltage Circuit/Open-

NAME	VALUE	UNITS
DTC	0B 09 00	
Test Failed	False	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	True	
DTC Extended Data Record Number - All	01	

Occurrence flag	Error	
Original Odometer Value	21520	km
Most Recent Odometer Value	21520	km
Frequency Counter	5	
Ignition Cycle Counter	0	

PCM | U140C | Active | Implausible Right Rear Wheel Speed Signal Received

NAME	VALUE	UNITS
Number of DTC	1	
DTC	D4 0C	
DTC Readiness Flag	Not Complete	
DTC Storage State	Active	
Warning Indicator Request State	Off	
Odometer	21235.2	km
Accumulation Timer	1	minutes
Ignition Key Cycles	0	
Starts Since Set Counter	0	
Key Cycles Since DTC Last Set Counter	0	
Warm Up Cycles	0	
Good Trip Counter	0	

PCM | U140B | Active | Implausible Left Rear Wheel Speed Signal Received

NAME	VALUE	UNITS
Number of DTC	1	
DTC	D4 0B	
DTC Readiness Flag	Not Complete	
DTC Storage State	Active	
Warning Indicator Request State	Off	
Odometer	21235.2	km
Accumulation Timer	1	minutes
Ignition Key Cycles	0	
Starts Since Set Counter	0	
Key Cycles Since DTC Last Set Counter	0	
Warm Up Cycles	0	
Good Trip Counter	0	

PCM | U140A | Active | Implausible Right Front Wheel Speed Signal Received

NAME	VALUE	UNITS
Number of DTC	1	
DTC	D4 0A	
DTC Readiness Flag	Not Complete	
DTC Storage State	Active	

Warning Indicator Request State	Off	
Odometer	21235.2	km
Accumulation Timer	1	minutes
Ignition Key Cycles	0	
Starts Since Set Counter	0	
Key Cycles Since DTC Last Set Counter	0	
Warm Up Cycles	0	
Good Trip Counter	0	

PCM | U1409 | Active | Implausible Left Front Wheel Speed Signal Received

NAME	VALUE	UNITS
Number of DTC	1	
DTC	D4 09	
DTC Readiness Flag	Not Complete	
DTC Storage State	Active	
Warning Indicator Request State	Off	
Odometer	21235.2	km
Accumulation Timer	1	minutes
Ignition Key Cycles	0	
Starts Since Set Counter	0	
Key Cycles Since DTC Last Set Counter	0	
Warm Up Cycles	0	
Good Trip Counter	0	

ASBS | C2129-16 | Stored | Battery Voltage-Circuit Voltage Below Threshold

NAME	VALUE	UNITS
DTC	61 29 16	
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number All	FF	
Occurrence flag	Occurrence	
Original Odometer Value	21520	km
Most Recent Odometer Value	21520	km
Frequency Counter	2	
Ignition Cycle Counter	1	
Vehicle Speed (Vehicle Bus)	0	km/h

ASBS | C212A-16 | Stored | System Voltage-Circuit Voltage Below Threshold

NAME	VALUE	UNITS
DTC	61 2A 16	
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number All	FF	
Occurrence flag	Occurrence	
Original Odometer Value	21520	km
Most Recent Odometer Value	21520	km
Frequency Counter	3	
Ignition Cycle Counter	1	
Vehicle Speed (Vehicle Bus)	0	km/h

ASBS | U0415-00 | Active | Invalid Data Received from Anti-Lock Brake System (ABS) Control Module "A"-

NAME	VALUE	UNITS
DTC	C4 15 00	
Test Failed	True	
Test Failed This Operation Cycle	True	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number - All	FF	
Occurrence flag	Error	
Original Odometer Value	21520	km
Most Recent Odometer Value	21520	km
Frequency Counter	1	
Ignition Cycle Counter	0	
Vehicle Speed (Vehicle Bus)	512	km/h

ICS | B210A-00 | Stored | System Voltage Low-

NAME	VALUE	UNITS
DTC	A1 0A 00	
Test Failed	False	

Test Failed This Operation Cycle	False	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number - All	01	
Occurrence flag	Occurrence	
Original Odometer Value	21520	km
Most Recent Odometer Value	21520	km
Frequency Counter	4	
Ignition Cycle Counter	1	

ICS | B210D-00 | Stored | Battery Voltage Low-

NAME	VALUE	UNITS
DTC	A1 0D 00	
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number All	01	
Occurrence flag	Occurrence	
Original Odometer Value	21520	km
Most Recent Odometer Value	21520	km
Frequency Counter	4	
Ignition Cycle Counter	1	

RFH | B21DD-84 | Stored | System Voltage-Signal Below Allowable Range

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

DTC Extended Data Record Number - All	01	
Occurrence flag	Error	
Original Odometer Value	21520	km
Most Recent Odometer Value	21520	km
Frequency Counter	2	
Ignition Cycle Counter	1	

RFH | B2199-16 | Stored | Battery Voltage-Circuit Voltage Below Threshold

NAME	VALUE	UNITS
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	False	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number - All	01	
Occurrence flag	Error	
Original Odometer Value	21520	km
Most Recent Odometer Value	21520	km
Frequency Counter	4	
Ignition Cycle Counter	1	

ESM | P1C8B-16 | Stored | Battery Voltage-Circuit Voltage Below Threshold

NAME	VALUE	UNITS
DTC	1C 8B 16	
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
Occurrence flag	Occurrence	
Original Odometer Value	21520	km
Most Recent Odometer Value	21520	km
Frequency Counter	2	
Ignition Cycle Counter	2	

ESM | P1C8C-16 | Stored | System Voltage-Circuit Voltage Below Threshold


NAME	VALUE	UNITS
DTC	1C 8C 16	
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
Occurrence flag	Occurrence	
Original Odometer Value	21520	km
Most Recent Odometer Value	21520	km
Frequency Counter	2	
Ignition Cycle Counter	2	

DTCM | U0415-00 | Active | Invalid Data Received from Anti-Lock Brake System (ABS) Control Module "A"-

NAME	VALUE	UNITS
DTC	C4 15 00	
Test Failed	True	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	False	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number - All	01	
Occurrence flag	Occurrence	
Original Odometer Value	21520	km
Most Recent Odometer Value	21520	km
Frequency Counter	1	
Ignition Cycle Counter	0	
System Battery Voltage	11.6	Volts
Module Battery Voltage	11.4	Volts
Transfercase motor position sensor supply voltage	5.019	Volts
Transfercase Motor Current	44.17	Amps
Transfercase Position Sensor	3.51	Volts
DTCM Temperature	14	°C
Transfercase Motor Duty Cycle	0.0	%
Transfercase Motor Direction State	Electrical Braking	
Front Axle Locker Sensor Feedback	Disengaged	

Rear Axle Locker Sensor Feedback	Disengaged	
Front Axle Locker Low side Driver	Disengaged	
Rear Axle Locker Low side Driver	Disengaged	
FAD Supply Power Voltage	0.8	Volts
FAD Feedback Status	SNA	
FAD Feedback Voltage	0.2	Volts
FAD Lock request	Disengaged	
Transfercase Mode Switch	4 HI Auto	
Time Since Last Ignition On	0	minutes
Vehicle Speed	SNA	km/hr
Left Front Wheel Speed	3FFF	rpm
Right Front Wheel Speed	3FFF	rpm
Left Rear Wheel Speed	3FFF	rpm
Right Rear Wheel Speed	3FFF	rpm
Brake Pedal	Brake Not Operated	
ESP Requested Center (Transfercase) Differential State	DTCM Control (Free)	
ESP Requested Center Differential Torque	0	N*m
Steering Wheel Angle	11.5	degrees
Delta Steering Wheel Angle	0.0	degrees
Ambient Air Temperature	13.0	°C
PRNDL Display	P	
Transmission Current Gear	P	
Throttle Pedal Position	0.0	%
Static Engine/Electric Motor Torque	2.00	N*m
Engine RPM	SNA	rpm
Actual Mode of Transfercase Clutch	SNA	
Actual Transfercase Clutch Lock Torque	0	N*m
Desired Transfercase Clutch Lock Torque	0	N*m
T Case Motor Incremental Position Sensor (IPS)	0.813	degrees
T-Case Clutch Wear IPS Position	13.422	degrees
DTCM Internal DTC Reason	No Error	
Transfer Case Shift Inhibited	No	
Transfercase Status	2WD	
Axle Locker Status (Bus)	Unlocked	
Clutch Calibration Not Learned reason	04	
Electric Motor RPM	0	rpm
T-Case Clutch Wear Position (Initial)		degrees

EPS | C2129-16 | Stored | Battery Voltage-Circuit Voltage Below Threshold

NAME	VALUE	UNITS
DTC	61 29 16	
Test Failed	False	

Test Failed This Operation Cycle	False	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
Occurrence flag	Occurrence	
Original Odometer Value	21520	km
Most Recent Odometer Value	21520	km
Frequency Counter	2	
Ignition Cycle Counter	2	

EPS | U0415-00 | Active | Invalid Data Received from Anti-Lock Brake System (ABS) Control Module "A"-

NAME	VALUE	UNITS
DTC	C4 15 00	
Test Failed	True	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
Occurrence flag	Error	
Original Odometer Value	21520	km
Most Recent Odometer Value	21520	km
Frequency Counter	1	
Ignition Cycle Counter	0	

EPS | C212A-16 | Stored | System Voltage-Circuit Voltage Below Threshold

NAME	VALUE	UNITS
DTC	61 2A 16	
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
Occurrence flag	Occurrence	

Original Odometer Value	21520	km
Most Recent Odometer Value	21520	km
Frequency Counter	2	
Ignition Cycle Counter	2	

HVAC | U0422-00 | Active | Implausible Data Received From Body Control Module-

NAME	VALUE	UNITS
Test Failed	True	
Test Failed This Operation Cycle	True	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
Occurrence flag	Error	
Original Odometer Value	21520	km
Most Recent Odometer Value	21520	km
Frequency Counter	1	
Ignition Cycle Counter	0	

HVAC | B2199-16 | Stored | Battery Voltage-Circuit Voltage Below Threshold

NAME	VALUE	UNITS
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
Occurrence flag	Error	
Original Odometer Value	21520	km
Most Recent Odometer Value	21520	km
Frequency Counter	2	
Ignition Cycle Counter	1	

HVAC | B21DD-84 | Stored | System Voltage-Signal Below Allowable Range

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

Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
Occurrence flag	Error	
Original Odometer Value	21520	km
Most Recent Odometer Value	21520	km
Frequency Counter	2	
Ignition Cycle Counter	1	

CSWM | B2199-16 | Stored | Battery Voltage-Circuit Voltage Below Threshold

NAME	VALUE	UNITS
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number - All	00	
Occurrence flag	Occurrence	
Original Odometer Value	21520	km
Most Recent Odometer Value	21520	km
Frequency Counter	2	
Ignition Cycle Counter	2	

CSWM | B11C1-13 | Stored | Steering Wheel Heater Power Supply Circuit-Circuit Open

NAME	VALUE	UNITS
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number All	00	
Occurrence flag	Error	
Original Odometer Value	21520	km
Most Recent Odometer Value	21520	km

Frequency Counter	2	
Ignition Cycle Counter	1	

CSWM | B21DD-84 | Stored | System Voltage-Signal Below Allowable Range

NAME	VALUE	UNITS
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number All	00	
Occurrence flag	Occurrence	
Original Odometer Value	21520	km
Most Recent Odometer Value	21520	km
Frequency Counter	2	
Ignition Cycle Counter	2	

PTCM | U0011-00 | Stored | CAN Interior Bus Off Performance-

NAME	VALUE	UNITS
Test Failed	False	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number All	01	
Occurrence flag	Error	
Original Odometer Value	21520	km
Most Recent Odometer Value	21520	km
Frequency Counter	2	
Ignition Cycle Counter	2	

No Environmental Data available for B2590 16

PTCM | B2199-16 | Stored | Battery Voltage-Circuit Voltage Below Threshold

NAME	VALUE	UNITS
Test Failed	False	
Test Failed This Operation Cycle	True	

Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number All	01	
Occurrence flag	Error	
Original Odometer Value	21520	km
Most Recent Odometer Value	21520	km
Frequency Counter	2	
Ignition Cycle Counter	1	

PTCM | B21DD-84 | Stored | System Voltage-Signal Below Allowable Range

NAME	VALUE	UNITS
Test Failed	False	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number All	01	
Occurrence flag	Error	
Original Odometer Value	21520	km
Most Recent Odometer Value	21520	km
Frequency Counter	3	
Ignition Cycle Counter	1	

AMP | B21DD-84 | Stored | System Voltage-Signal Below Allowable Range

NAME	VALUE	UNITS
DTC	A1 DD 84	
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number - All	FF	

Occurrence flag	Occurrence	
Original Odometer Value	21520	km
Most Recent Odometer Value	21520	km
Frequency Counter	2	
Ignition Cycle Counter	1	

IPC | B21DD-84 | Stored | System Voltage-Signal Below Allowable Range

NAME	VALUE	UNITS
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number - All	01	
Occurrence flag	Occurrence	
Original Odometer Value	21520	km
Most Recent Odometer Value	21520	km
Frequency Counter	2	
Ignition Cycle Counter	2	

PTS | U0415-00 | Active | Invalid Data Received from Anti-Lock Brake System (ABS) Control Module "A"-

NAME	VALUE	UNITS
DTC	C4 15 00	
Test Failed	True	
Test Failed This Operation Cycle	True	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number - All	01	
Occurrence flag	Occurrence	
Original Odometer Value	21520	km
Most Recent Odometer Value	21520	km
Frequency Counter	1	

PTS | B21DD-16 | Stored | System Voltage-Circuit Voltage Below Threshold

NAME	VALUE	UNITS
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DTC	A1 DD 16	
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number - All	01	
Occurrence flag	Occurrence	
Original Odometer Value	21520	km
Most Recent Odometer Value	21520	km
Frequency Counter	2	

PTS | B210C-16 | Stored | Battery Voltage Input-Circuit Voltage Below Threshold

NAME	VALUE	UNITS
DTC	A1 0C 16	
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number - All	01	
Occurrence flag	Occurrence	
Original Odometer Value	21520	km
Most Recent Odometer Value	21520	km
Frequency Counter	3	

SCCM | C212A-16 | Stored | System Voltage-Circuit Voltage Below Threshold

NAME	VALUE	UNITS
DTC	61 2A 16	
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	

Warning Indicator Requested	False	
DTC Extended Data Record Number All	01	
Occurrence flag	Error	
Original Odometer Value	21456	km
Most Recent Odometer Value	21520	km
Frequency Counter	6	
Ignition Cycle Counter	1	
DTC Extended Data Record Number - 2	02	
Ignition Status	Ignition Run	
Operating Voltage	9.2	Volts
Sub Faults Saved	00 00	
Sub Faults Active	00 01	

BCM | U151E-00 | Active | Pedestrian Alert Control Module received implausible data from the BCM-

NAME	VALUE	UNITS
Test Failed	True	
Test Failed This Operation Cycle	True	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number All	01	
Occurrence flag	Error	
Original Odometer Value	21520	km
Most Recent Odometer Value	21520	km
Frequency Counter	1	
Ignition Cycle Counter	0	

BCM | B2199-16 | Stored | Battery Voltage-Circuit Voltage Below Threshold

NAME	VALUE	UNITS
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number All	01	
Occurrence flag	Error	

Original Odometer Value	21520	km
Most Recent Odometer Value	21520	km
Frequency Counter	4	
Ignition Cycle Counter	2	

RADIO | B210A-16 | Active | System Voltage Low-Circuit Voltage Below Threshold

NAME	VALUE	UNITS
DTCTable	A1 0A 16	
TestFailed	True	
TestFailedThisMonitoringCycle	True	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed This Monitoring Cycle	False	
Warning Indicator Requested	False	
DTCExtendedDataRecordNumber	FF	
Occurance Flag	Occurrence	
Reserved	Reserved	
Original Odometer Value	21520	km
Most Recent Odometer Value	21520	km
Frequency Counter	1	
Ignition Counter	0	
RDI \$6080	60 80	
Event Counter	64	

OCM | C212A-16 | Stored | System Voltage-Circuit Voltage Below Threshold

NAME	VALUE	UNITS
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
Occurrence flag	Error	
Original Odometer Value	21520	km
Most Recent Odometer Value	21520	km
Frequency Counter	3	
Ignition Cycle Counter	2	

LBSS | B21DD-84 | Stored | System Voltage-Signal Below Allowable Range

NAME	VALUE	UNITS
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Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number All	01	
Occurrence flag	Occurrence	
Original Odometer Value	21520	km
Most Recent Odometer Value	21520	km
Frequency Counter	2	
Operation Cycle Counter	1	

LBSS | B2199-16 | Stored | Battery Voltage-Circuit Voltage Below Threshold

NAME	VALUE	UNITS
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number All	01	
Occurrence flag	Occurrence	
Original Odometer Value	21520	km
Most Recent Odometer Value	21520	km
Frequency Counter	2	
Operation Cycle Counter	2	

LBSS | U0422-00 | Active | Implausible Data Received From Body Control Module-

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

DTC Extended Data Record Number - All	01	
Occurrence flag	Occurrence	
Original Odometer Value	21520	km
Most Recent Odometer Value	21520	km
Frequency Counter	1	
Operation Cycle Counter	0	

RBSS | B21DD-84 | Stored | System Voltage-Signal Below Allowable Range

NAME	VALUE	UNITS
DTC	A1 DD 84	
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number - All	01	
Occurrence flag	Occurrence	
Original Odometer Value	21520	km
Most Recent Odometer Value	21520	km
Frequency Counter	2	
Operation Cycle Counter	1	
DTC Extended Data Record Number - Record #2	02	
Vehicle Line	Correct	
Vehicle Config Stat	OK	
Model Year	Correct	
Country Code	Correct	
BSS Desired Operating Mode	Init	
BSS Current Operating Mode	BSM	

RBSS | B2199-16 | Stored | Battery Voltage-Circuit Voltage Below Threshold

NAME	VALUE	UNITS
DTC	A1 99 16	
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	

Warning Indicator Requested	False	
DTC Extended Data Record Number All	01	
Occurrence flag	Occurrence	
Original Odometer Value	21520	km
Most Recent Odometer Value	21520	km
Frequency Counter	2	
Operation Cycle Counter	2	
DTC Extended Data Record Number - Record #2	02	
Vehicle Line	Correct	
Vehicle Config Stat	OK	
Model Year	Correct	
Country Code	Correct	
BSS Desired Operating Mode	Init	
BSS Current Operating Mode	Init	

RBSS | U0422-00 | Active | Implausible Data Received From Body Control Module-

NAME	VALUE	UNITS
DTC	C4 22 00	
Test Failed	True	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	True	
DTC Extended Data Record Number - All	01	
Occurrence flag	Occurrence	
Original Odometer Value	21520	km
Most Recent Odometer Value	21520	km
Frequency Counter	1	
Operation Cycle Counter	0	
DTC Extended Data Record Number Record #2	02	
Vehicle Line	Correct	
Vehicle Config Stat	OK	
Model Year	Correct	
Country Code	Correct	
BSS Desired Operating Mode	Init	
BSS Current Operating Mode	BSM	

BPCM | P0B10-00 | Stored | Hybrid/EV Battery Pack Current Sensor 2 Circuit Low-

NAME	VALUE	UNITS
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DTC	0B 10 00	
Test Failed	False	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	True	
Occurrence flag	Error	
Original Odometer Value	21526.8	km
Most Recent Odometer Value	21526.8	km
Frequency Counter	1	
Ignition Cycle Counter	0	
FoM - for this DTC (lifetime fails)	2	events
FoM for this DTC (lifetime fails counts on pass)	0.3200	seconds
FoM for this DTC (lifetime longest fail on pass)	0.240	seconds
Battery Total Time Awake	28930666	seconds
Key in Ignition	Key Def	
EPT -WakeUp	Not Sourced	
HCP Contactor Command	OPN	
Contactor Status	Open	
Plug in Status	Not plugged in	
Balance Mode	False	
Vehicle Speed	201.2	km/hr
System (12) Volts at time of fault	5.231	Volts
Battery Lifetime AmpHrs of Charge	10277.1	AHr
Battery Lifetime AmpHrs of DisCharge	10275.6	AHr
HVIL Status Vehicle	Not Sourced	
Cycles left to self heal	40	No Unit
HV Battery Charge Power 2sec	3000	watts
HV Battery Charge Power 10sec	3000	watts
HV Battery Discharge Power 2sec	3000	watts
HV Battery Discharge Power 10sec	3000	watts
Key - DriveRdy (CAN)	False	
Battery Lifetime Number Of Closes	2858	
Battery Full AmpHr Capacity	46.2	AmpHrs
Battery Cell Voltage Maximum	3539	mV
Battery Cell Voltage Minimum	3526	mV
Battery Cell Voltage Average	3534	mV
Battery Temperature Maximum Module	16	°C
Battery Temperature Minimum Module	15	°C

Battery Temperature Average Module	16	°C
DTC Extended Data Record Number All	01	
DTC Extended Data Record Number - 2	02	
HV Battery Charge Power 30sec	3000	watts
HV Battery Discharge Power 30sec	3000	watts
Key Position	Ignition Status: Running	
SOC	17.6	%
HV Bat SOH-R	94.1	%
HV Bat SOH C	92.5	%
Cell Impedance Max Discharge	1.034	mOhms
Cell Impedance Min Discharge	0.975	mOhms
HVIL Status Battery pack	PASS	
HVIL PWM Duty Cycle source - Vehicle	100.0	%
HVIL PWM Duty Cycle Source Battery	49.0	%
HVIL PWM Duty Cycle Sink - Battery	49.0	%
HVIL PWM Frequency source Vehicle	0.0	Hz
HVIL PWM Frequency Sink Vehicle	0.0	Hz
HVIL PWM Frequency Source - Battery	88.0	Hz
HVIL PWM Frequency Sink Battery	88.0	Hz
HVIL Returned current - Vehicle	136.30	mA
HVIL Returned current Battery	1.40	mA
Battery Cell Highest Cell number	95	
Battery Cell Lowest Cell number	00	
HV Battery Current Sensor Primary	0.00	Amps
HV Battery Current Sensor Secondary	0.00	Amps
HV Battery Current HVBatCrnt	0.00	Amps
HV Battery Voltage (cell sum)	339.20	Volts
HV Battery Voltage (Module Sum)	339.30	Volts
Battery Temperature Highest Sensor number	06	
Battery Temperature Lowest Sensor number	03	
HV Cooling Battery coolant inlet temp	16	°C
HV Cooling Battery coolant outlet temp	16	°C
BPCM temperature max	20	°C
BPCM temperature min	14	°C
Vehicle Isolation Impedance (Positive side)	4.194	Mega Ohms
Vehicle Isolation Impedance (Negative side)	4.194	Mega Ohms
Vehicle Isolation Impedance (Equivalent)	4.194	Mega Ohms
Battery Isolation Impedance (Positive side)	26.779	Mega Ohms
Battery Isolation Impedance (Negative side)	27.782	Mega Ohms

Battery Isolation Impedance (Equivalent)	13.838	Mega Ohms
Engine Speed	0	rpm
Accelerator position	7.8	%
GPS Date Year	59399	Year
GPS Date - Month	11	
GPS Date - Day	20	Days
UTC Time Hours	14	Hours
UTC Time - Minutes	17	
UTC Time Seconds	0	seconds
HCP - System Shutdown Command (CAN)	Default	
HCP ePT LOC Diagnostics Enable (CAN)	ENB LOC	
HCP Propulsion system active (CAN)	False	
HV Sensor- Pack Voltage (U BAT P - U BAT M)	339.10	Volts
HV Sensor DC Link Voltage (U DC LINK)	0.00	Volts
HV Sensor - main fuse Voltage (U MAIN P - U MAIN M) - U DC LINK	-0.2	Volts
OBCM Fuse Voltage (U MAIN P U AUX FUSE)	0.0	Volts
APM Fuse Voltage (U MAIN P U AUX REL)	0.0	Volts
HV Sensor - Battery Voltage - Positive contactor (U BAT P)	8.8	Volts
HV Sensor Battery Voltage Negative contactor (U BAT M)	330.4	Volts
HV Sensor - Weld Contactor Voltage - Positive contactor (U MAIN P)	0.6	Volts
HV Sensor Weld Contactor Voltage Negative contactor (U MAIN M)	0.8	Volts
HV Sensor U AUX FUSE	653.0	Volts
HV Battery Total Amp Hour Capacity (CAN)	45.8	AHr
HV Battery Pack Isolation state (CAN)	PASS	
HV Battery - Powertrain Isolation state (CAN)	N_S	
HV Sensor Pack Voltage VALIDITY (CAN)	Valid	
HV Battery Total Amp Hour Capacity VALIDITY (CAN)	Valid	
BPCM - MCU Reset Counter	1	
BPCM RAM Reset Counter	2	
BPCM - ROM Reset Counter	0	
BPCM Hall current sensor supply voltage (5VQT1)	5.006	Volts
BPCM - Precharge Penalty Timer (CAN)	600	seconds
BPCM - RTC Circuit Status	10	
BPCM HVBat Sleep Time	2	seconds
BPCM - System Mode	120	No Unit
BPCM HV Battery pack contactor request (CAN)	True	
BPCM - HV Battery Pack contactor Open (CAN)	True	
BPCM - HV Battery pack Contactor welded and impeded opening (CAN)	STUCK_CLOSED	
BPCM Crash Indication (CAN)	Do Not Actuate	
BPCM - Crash Indication VALIDITY (CAN)	Fail Not Present	
BPCM Retention Status	Normal	

BPCM - Active weld check type	No Weld Check	
BPCM Current Category of Wearout Counter	A Level	
HV Contactor State - Positive Contactor	Open	
HV Contactor State Negative Contactor	Open	
HV Contactor State - Precharge Contactor	Open	
CSC Fault - Cn Pin Open	PASS	
CSC Fault Cn Short to SWn	PASS	
CSC Fault - Auxiliary channel 1 Pin Open	PASS	
CSC Fault Auxiliary channel 2 Pin Open	PASS	
CSC Fault - Measured result difference between Alternative path and Primary path is out of range	PASS	
CSC Fault Balancing Switch Short	PASS	
CSC Fault Balancing Switch Open	PASS	
CSC Fault - Alternate reference voltage is out of range	PASS	
CSC Fault Vaa voltage is out of range	PASS	
CSC Fault - Level-shift amplifier offset voltage is out of range	PASS	
CSC Fault Stuck ADC output bits verification with zero scale	PASS	
CSC Fault Stuck ADC output bits verification with full scale	PASS	
CSC Fault - Multiplexer Open/Short verification with single HVMUX test current source	PASS	
CSC Fault Multiplexer Open/Short verification with both HVMUX test current sources	PASS	
CSC Fault - Measured result difference between Module voltage and Cell voltage summation	PASS	
CSC Fault Vhv < Vhvuv	PASS	
CSC Fault Vhv Vdcin > Vhvov	PASS	
CSC Fault - Die Temperature is over the upper limit	PASS	
CSC Fault Scanning for cell information is not complete	PASS	
CSC Fault - ADC Data Path error	PASS	
CSC Fault Packet Error Check	PASS	
CSC Fault - Power-on reset event occurred	PASS	
CSC Fault - 32kHz oscillator frequency is not within +/-5% of its expected value	PASS	
CSC Fault Same as Alrtosc1(redundant alert)	PASS	
CSC Fault - Die Temperature is over the upper limit	PASS	
CSC Fault Module number addressing is fail	PASS	
CSC Fault - Alive counter is not matched to the exepected value	PASS	
CSC Fault - PEC Bits in Data-check byte error	PASS	
CSC Fault Vhv V12 is too low	PASS	
CSC Fault - Transmit data is not equal to read back data	PASS	
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	0B	
HVIL PWM Duty Cycle sink Vehicle	100.0	%
SBC Status	Normal	
Vref UV Flag	No set	
Vref UV State	#0 Standby	
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	Diagnosis Case #2 - Case 2	
Retention Diagnosis Flag	Flag Case #2 Retention HSD diagnosis	
Retention Diagnosis Status	Retention Diagnosis Status 0	

BPCM | P1A0C-00 | Stored | Battery Energy Control Module System Voltage Low-

NAME	VALUE	UNITS
DTC	1A 0C 00	
Test Failed	False	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	True	
Occurrence flag	Error	
Original Odometer Value	21526.7	km
Most Recent Odometer Value	21526.8	km
Frequency Counter	5	
Ignition Cycle Counter	0	
FoM - for this DTC (lifetime fails)	6	events
FoM for this DTC (lifetime fails counts on pass)	165.0000	seconds
FoM - for this DTC (lifetime longest fail on pass)	2.700	seconds

Battery Total Time Awake	28930498	seconds
Key in Ignition	Key Def	
EPT -WakeUp	Sourced	
HCP Contactor Command	OPN	
Contactor Status	Open	
Plug in Status	Not plugged in	
Balance Mode	False	
Vehicle Speed	0.0	km/hr
System (12) Volts at time of fault	8.884	Volts
Battery Lifetime AmpHrs of Charge	10277.1	AHr
Battery Lifetime AmpHrs of DisCharge	10275.6	AHr
HVIL Status Vehicle	PASS	
Cycles left to self heal	40	No Unit
HV Battery Charge Power 2sec	72846	watts
HV Battery Charge Power 10sec	72846	watts
HV Battery Discharge Power 2sec	87057	watts
HV Battery Discharge Power 10sec	73689	watts
Key - DriveRdy (CAN)	False	
Battery Lifetime Number Of Closes	2858	
Battery Full AmpHr Capacity	46.2	AmpHrs
Battery Cell Voltage Maximum	3539	mV
Battery Cell Voltage Minimum	3525	mV
Battery Cell Voltage Average	3534	mV
Battery Temperature Maximum Module	16	°C
Battery Temperature Minimum Module	15	°C
Battery Temperature Average Module	16	°C
DTC Extended Data Record Number - All	01	
DTC Extended Data Record Number - 2	02	
HV Battery Charge Power 30sec	71295	watts
HV Battery Discharge Power 30sec	32073	watts
Key Position	Ignition Status: Running	
SOC	17.6	%
HV Bat SOH-R	94.1	%
HV Bat SOH C	92.5	%
Cell Impedance Max Discharge	1.034	mOhms
Cell Impedance Min Discharge	0.975	mOhms
HVIL Status - Battery pack	PASS	
HVIL PWM Duty Cycle source - Vehicle	49.0	%
HVIL PWM Duty Cycle Source Battery	49.0	%
HVIL PWM Duty Cycle Sink - Battery	49.0	%
HVIL PWM Frequency source Vehicle	88.0	Hz
HVIL PWM Frequency Sink - Vehicle	88.0	Hz

HVIL PWM Frequency Source - Battery	88.0	Hz
HVIL PWM Frequency Sink Battery	88.0	Hz
HVIL Returned current - Vehicle	1.40	mA
HVIL Returned current Battery	1.40	mA
Battery Cell Highest Cell number	56	
Battery Cell Lowest Cell number	00	
HV Battery Current Sensor Primary	0.00	Amps
HV Battery Current Sensor Secondary	1.55	Amps
HV Battery Current HVBatCrnt	0.00	Amps
HV Battery Voltage (cell sum)	339.20	Volts
HV Battery Voltage (Module Sum)	339.30	Volts
Battery Temperature Highest Sensor number	06	
Battery Temperature Lowest Sensor number	03	
HV Cooling Battery coolant inlet temp	16	°C
HV Cooling Battery coolant outlet temp	16	°C
BPCM temperature max	16	°C
BPCM temperature min	15	°C
Vehicle Isolation Impedance (Positive side)	4.194	Mega Ohms
Vehicle Isolation Impedance (Negative side)	4.194	Mega Ohms
Vehicle Isolation Impedance (Equivalent)	4.194	Mega Ohms
Battery Isolation Impedance (Positive side)	29.855	Mega Ohms
Battery Isolation Impedance (Negative side)	17.579	Mega Ohms
Battery Isolation Impedance (Equivalent)	11.252	Mega Ohms
Engine Speed	0	rpm
Accelerator position	7.8	%
GPS Date Year	59399	Year
GPS Date - Month	11	
GPS Date - Day	20	Days
UTC Time Hours	14	Hours
UTC Time - Minutes	16	
UTC Time Seconds	0	seconds
HCP - System Shutdown Command (CAN)	Default	
HCP - ePT LOC Diagnostics Enable (CAN)	ENB_LOC	
HCP Propulsion system active (CAN)	False	
HV Sensor- Pack Voltage (U BAT P - U BAT M)	339.80	Volts
HV Sensor DC Link Voltage (U DC LINK)	0.10	Volts
HV Sensor - main fuse Voltage (U MAIN P - U MAIN M) - U DC LINK	-0.4	Volts
OBCM Fuse Voltage (U MAIN P - U AUX FUSE)	-0.2	Volts

APM Fuse Voltage (U MAIN P - U AUX REL)	0.0	Volts
HV Sensor Battery Voltage Positive contactor (U BAT P)	39.4	Volts
HV Sensor - Battery Voltage - Negative contactor (U BAT M)	-300.4	Volts
HV Sensor Weld Contactor Voltage Positive contactor (U MAIN P)	0.4	Volts
HV Sensor - Weld Contactor Voltage - Negative contactor (U MAIN M)	0.8	Volts
HV Sensor - U AUX FUSE	-652.8	Volts
HV Battery Total Amp Hour Capacity (CAN)	45.8	AHr
HV Battery - Pack Isolation state (CAN)	PASS	
HV Battery Powertrain Isolation state (CAN)	N S	
HV Sensor - Pack Voltage VALIDITY (CAN)	Valid	
HV Battery Total Amp Hour Capacity VALIDITY (CAN)	Valid	
BPCM MCU Reset Counter	3	
BPCM - RAM Reset Counter	2	
BPCM ROM Reset Counter	0	
BPCM - Hall current sensor supply voltage (5VQT1)	5.001	Volts
BPCM Precharge Penalty Timer (CAN)	600	seconds
BPCM RTC Circuit Status	10	
BPCM - HVBat Sleep Time	2	seconds
BPCM System Mode	10	No Unit
BPCM - HV Battery pack contactor request (CAN)	False	
BPCM HV Battery Pack contactor Open (CAN)	False	
BPCM HV Battery pack Contactor welded and impeded opening (CAN)	Normal	
BPCM - Crash Indication (CAN)	Do Not Actuate	
BPCM Crash Indication VALIDITY (CAN)	Fail Not Present	
BPCM - Retention Status	Normal	
BPCM Active weld check type	No Weld Check	
BPCM - Current Category of Wearout Counter	A Level	
HV Contactor State - Positive Contactor	Open	
HV Contactor State Negative Contactor	Open	
HV Contactor State - Precharge Contactor	Open	
CSC Fault Cn Pin Open	PASS	
CSC Fault - Cn Short to SWn	PASS	
CSC Fault - Auxiliary channel 1 Pin Open	PASS	
CSC Fault Auxiliary channel 2 Pin Open	PASS	
CSC Fault - Measured result difference between Alternative path and Primary path is out of range	PASS	
CSC Fault Balancing Switch Short	PASS	
CSC Fault - Balancing Switch Open	PASS	
CSC Fault - Alternate reference voltage is out of range	PASS	
CSC Fault Vaa voltage is out of range	PASS	
CSC Fault - Level-shift amplifier offset voltage is out of range	PASS	
CSC Fault Stuck ADC output bits verification with zero scale	PASS	

CSC Fault - Stuck ADC output bits verification with full-scale	PASS	
CSC Fault Multiplexer Open/Short verification with single HVMUX test current source	PASS	
CSC Fault - Multiplexer Open/Short verification with both HVMUX test current sources	PASS	
CSC Fault Measured result difference between Module voltage and Cell voltage summation	PASS	
CSC Fault - Vhv < Vhvuv	PASS	
CSC Fault - Vhv - Vdcin > Vhvov	PASS	
CSC Fault Die Temperature is over the upper limit	PASS	
CSC Fault - Scanning for cell information is not complete	PASS	
CSC Fault ADC Data Path error	PASS	
CSC Fault - Packet Error Check	PASS	
CSC Fault Power on reset event occurred	PASS	
CSC Fault 32kHz oscillator frequency is not within +/- 5% of its expected value	PASS	
CSC Fault - Same as Alrtosc1(redundant alert)	PASS	
CSC Fault Die Temperature is over the upper limit	PASS	
CSC Fault - Module number addressing is fail	PASS	
CSC Fault Alive counter is not matched to the expected value	PASS	
CSC Fault PEC Bits in Data check byte error	PASS	
CSC Fault - Vhv - V12 is too low	PASS	
CSC Fault Transmit data is not equal to read back data	PASS	
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	0B	
HVIL PWM Duty Cycle sink - Vehicle	49.0	%
SBC Status	Normal	
Vref UV Flag	No set	
Vref UV State	#0 Standby	
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	Diagnosis Case #2 - Case 2	
Retention Diagnosis Flag	Flag Case #2 Retention HSD diagnosis	
Retention Diagnosis Status	Retention Diagnosis Status - 0	

BPCM | P0562-00 | Stored | System Voltage Low-

NAME	VALUE	UNITS
DTC	05 62 00	
Test Failed	False	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
Occurrence flag	Occurrence	
Original Odometer Value	21526.6	km
Most Recent Odometer Value	21526.8	km
Frequency Counter	2	
Ignition Cycle Counter	1	
FoM for this DTC (lifetime fails)	3	events
FoM for this DTC (lifetime fails counts on pass)	41.1400	seconds
FoM - for this DTC (lifetime longest fail on pass)	8.400	seconds
Battery Total Time Awake	28930467	seconds
Key in Ignition	Key_Def	
EPT WakeUp	Sourced	
HCP Contactor Command	OPN	
Contactor Status	Open	
Plug in Status	Not plugged in	
Balance Mode	False	
Vehicle Speed	0.0	km/hr
System (12) Volts at time of fault	9.442	Volts
Battery Lifetime AmpHrs of Charge	10277.1	AHr
Battery Lifetime AmpHrs of DisCharge	10275.6	AHr
HVIL Status -Vehicle	PASS	
Cycles left to self heal	100	No Unit
HV Battery Charge Power 2sec	72846	watts
HV Battery Charge Power 10sec	72846	watts
HV Battery Discharge Power 2sec	87057	watts
HV Battery Discharge Power 10sec	73692	watts

Key - DriveRdy (CAN)	False	
Battery Lifetime Number Of Closes	2858	
Battery Full AmpHr Capacity	46.2	AmpHrs
Battery Cell Voltage Maximum	3539	mV
Battery Cell Voltage Minimum	3526	mV
Battery Cell Voltage Average	3534	mV
Battery Temperature Maximum Module	16	°C
Battery Temperature Minimum Module	15	°C
Battery Temperature Average Module	16	°C
DTC Extended Data Record Number - All	01	
DTC Extended Data Record Number 2	02	
HV Battery Charge Power 30sec	71295	watts
HV Battery Discharge Power 30sec	32076	watts
Key Position	Ignition Status: Running	
SOC	17.6	%
HV Bat SOH R	94.1	%
HV Bat SOH C	92.5	%
Cell Impedance Max Discharge	1.034	mOhms
Cell Impedance Min Discharge	0.975	mOhms
HVIL Status - Battery pack	PASS	
HVIL PWM Duty Cycle source Vehicle	49.0	%
HVIL PWM Duty Cycle Source Battery	49.0	%
HVIL PWM Duty Cycle Sink - Battery	49.0	%
HVIL PWM Frequency source Vehicle	88.0	Hz
HVIL PWM Frequency Sink - Vehicle	88.0	Hz
HVIL PWM Frequency Source Battery	88.0	Hz
HVIL PWM Frequency Sink - Battery	88.0	Hz
HVIL Returned current - Vehicle	25.10	mA
HVIL Returned current Battery	25.00	mA
Battery Cell Highest Cell number	95	
Battery Cell Lowest Cell number	00	
HV Battery Current Sensor Primary	0.00	Amps
HV Battery Current Sensor Secondary	1.55	Amps
HV Battery Current HVBatCrnt	0.00	Amps
HV Battery Voltage (cell sum)	339.20	Volts
HV Battery Voltage (Module Sum)	339.30	Volts
Battery Temperature Highest Sensor number	06	
Battery Temperature Lowest Sensor number	03	
HV Cooling Battery coolant inlet temp	16	°C
HV Cooling Battery coolant outlet temp	16	°C
BPCM temperature max	16	°C
BPCM temperature min	15	°C

Vehicle Isolation Impedance (Positive side)	4.194	Mega Ohms
Vehicle Isolation Impedance (Negative side)	4.194	Mega Ohms
Vehicle Isolation Impedance (Equivalent)	4.194	Mega Ohms
Battery Isolation Impedance (Positive side)	30.432	Mega Ohms
Battery Isolation Impedance (Negative side)	16.793	Mega Ohms
Battery Isolation Impedance (Equivalent)	11.006	Mega Ohms
Engine Speed	0	rpm
Accelerator position	7.8	%
GPS Date Year	59399	Year
GPS Date - Month	11	
GPS Date Day	20	Days
UTC Time Hours	14	Hours
UTC Time - Minutes	16	
UTC Time Seconds	0	seconds
HCP - System Shutdown Command (CAN)	Default	
HCP ePT LOC Diagnostics Enable (CAN)	ENB LOC	
HCP Propulsion system active (CAN)	False	
HV Sensor- Pack Voltage (U BAT P - U BAT M)	339.20	Volts
HV Sensor DC Link Voltage (U DC LINK)	0.10	Volts
HV Sensor - main fuse Voltage (U MAIN P - U MAIN M) - U DC LINK	0.0	Volts
OBCM Fuse Voltage (U MAIN P U AUX FUSE)	0.0	Volts
APM Fuse Voltage (U MAIN P U AUX REL)	0.0	Volts
HV Sensor - Battery Voltage - Positive contactor (U BAT P)	9.8	Volts
HV Sensor Battery Voltage Negative contactor (U BAT M)	329.4	Volts
HV Sensor - Weld Contactor Voltage - Positive contactor (U MAIN P)	1.0	Volts
HV Sensor Weld Contactor Voltage Negative contactor (U MAIN M)	0.8	Volts
HV Sensor - U AUX FUSE	-652.2	Volts
HV Battery Total Amp Hour Capacity (CAN)	45.8	AHr
HV Battery Pack Isolation state (CAN)	PASS	
HV Battery - Powertrain Isolation state (CAN)	N_S	
HV Sensor Pack Voltage VALIDITY (CAN)	Valid	
HV Battery Total Amp Hour Capacity VALIDITY (CAN)	Valid	
BPCM - MCU Reset Counter	0	
BPCM RAM Reset Counter	10	
BPCM - ROM Reset Counter	0	
BPCM Hall current sensor supply voltage (5VQT1)	5.004	Volts
BPCM - Precharge Penalty Timer (CAN)	600	seconds
BPCM - RTC Circuit Status	10	

BPCM - HVBat Sleep Time	2	seconds
BPCM System Mode	10	No Unit
BPCM - HV Battery pack contactor request (CAN)	False	
BPCM HV Battery Pack contactor Open (CAN)	False	
BPCM - HV Battery pack Contactor welded and impeded opening (CAN)	Normal	
BPCM - Crash Indication (CAN)	Do Not Actuate	
BPCM Crash Indication VALIDITY (CAN)	Fail Not Present	
BPCM - Retention Status	Normal	
BPCM Active weld check type	No Weld Check	
BPCM - Current Category of Wearout Counter	A Level	
HV Contactor State Positive Contactor	Open	
HV Contactor State Negative Contactor	Open	
HV Contactor State - Precharge Contactor	Open	
CSC Fault Cn Pin Open	PASS	
CSC Fault - Cn Short to SWn	PASS	
CSC Fault Auxiliary channel 1 Pin Open	PASS	
CSC Fault Auxiliary channel 2 Pin Open	PASS	
CSC Fault - Measured result difference between Alternative path and Primary path is out of range	PASS	
CSC Fault Balancing Switch Short	PASS	
CSC Fault - Balancing Switch Open	PASS	
CSC Fault Alternate reference voltage is out of range	PASS	
CSC Fault Vaa voltage is out of range	PASS	
CSC Fault - Level-shift amplifier offset voltage is out of range	PASS	
CSC Fault Stuck ADC output bits verification with zero scale	PASS	
CSC Fault - Stuck ADC output bits verification with full-scale	PASS	
CSC Fault Multiplexer Open/Short verification with single HVMUX test current source	PASS	
CSC Fault - Multiplexer Open/Short verification with both HVMUX test current sources	PASS	
CSC Fault - Measured result difference between Module voltage and Cell voltage summation	PASS	
CSC Fault Vhv < Vhvuv	PASS	
CSC Fault - Vhv - Vdcin > Vhvov	PASS	
CSC Fault Die Temperature is over the upper limit	PASS	
CSC Fault - Scanning for cell information is not complete	PASS	
CSC Fault - ADC Data Path error	PASS	
CSC Fault Packet Error Check	PASS	
CSC Fault - Power-on reset event occurred	PASS	
CSC Fault 32kHz oscillator frequency is not within +/- 5% of its expected value	PASS	
CSC Fault - Same as Alrtosc1 (redundant alert)	PASS	
CSC Fault - Die Temperature is over the upper limit	PASS	
CSC Fault Module number addressing is fail	PASS	
CSC Fault - Alive counter is not matched to the expected value	PASS	

CSC Fault - PEC Bits in Data-check byte error	PASS	
CSC Fault Vhv V12 is too low	PASS	
CSC Fault - Transmit data is not equal to read back data	PASS	
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	0B	
HVIL PWM Duty Cycle sink Vehicle	49.0	%
SBC Status	Normal	
Vref UV Flag	No set	
Vref UV State	#0 Standby	
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	Diagnosis Case #2 - Case 2	
Retention Diagnosis Flag	Flag Case #2 - Retention HSD diagnosis	
Retention Diagnosis Status	Retention Diagnosis Status 0	

BPCM | U064A-00 | Stored | Lost Communication with Hybrid/EV Battery Pack Current Sensor "A"-

NAME	VALUE	UNITS
DTC	C6 4A 00	
Test Failed	False	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	True	
Occurrence flag	Error	

Original Odometer Value	21526.8	km
Most Recent Odometer Value	21526.8	km
Frequency Counter	1	
Ignition Cycle Counter	0	
FoM - for this DTC (lifetime fails)	4	events
FoM - for this DTC (lifetime fails counts on pass)	1.5600	seconds
FoM for this DTC (lifetime longest fail on pass)	0.280	seconds
Battery Total Time Awake	28930667	seconds
Key in Ignition	Key Def	
EPT -WakeUp	Sourced	
HCP Contactor Command	OPN	
Contactor Status	Open	
Plug in Status	Not plugged in	
Balance Mode	False	
Vehicle Speed	201.2	km/hr
System (12) Volts at time of fault	5.210	Volts
Battery Lifetime AmpHrs of Charge	10277.1	AHr
Battery Lifetime AmpHrs of DisCharge	10275.6	AHr
HVIL Status Vehicle	PASS	
Cycles left to self heal	40	No Unit
HV Battery Charge Power 2sec	3000	watts
HV Battery Charge Power 10sec	3000	watts
HV Battery Discharge Power 2sec	3000	watts
HV Battery Discharge Power 10sec	3000	watts
Key - DriveRdy (CAN)	False	
Battery Lifetime Number Of Closes	2858	
Battery Full AmpHr Capacity	46.2	AmpHrs
Battery Cell Voltage Maximum	3540	mV
Battery Cell Voltage Minimum	3525	mV
Battery Cell Voltage Average	3534	mV
Battery Temperature Maximum Module	16	°C
Battery Temperature Minimum Module	15	°C
Battery Temperature Average Module	16	°C
DTC Extended Data Record Number All	01	
DTC Extended Data Record Number - 2	02	
HV Battery Charge Power 30sec	3000	watts
HV Battery Discharge Power 30sec	3000	watts
Key Position	Ignition Status: Running	
SOC	17.6	%
HV Bat SOH-R	94.1	%
HV Bat SOH C	92.5	%
Cell Impedance Max Discharge	1.034	mOhms

Cell Impedance Min Discharge	0.975	mOhms
HVIL Status Battery pack	PASS	
HVIL PWM Duty Cycle source - Vehicle	49.0	%
HVIL PWM Duty Cycle Source Battery	49.0	%
HVIL PWM Duty Cycle Sink - Battery	49.0	%
HVIL PWM Frequency source - Vehicle	87.0	Hz
HVIL PWM Frequency Sink Vehicle	87.0	Hz
HVIL PWM Frequency Source - Battery	87.0	Hz
HVIL PWM Frequency Sink Battery	87.0	Hz
HVIL Returned current - Vehicle	1.30	mA
HVIL Returned current Battery	1.40	mA
Battery Cell Highest Cell number	95	
Battery Cell Lowest Cell number	00	
HV Battery Current Sensor Primary	0.00	Amps
HV Battery Current Sensor Secondary	0.00	Amps
HV Battery Current HVBatCrnt	0.00	Amps
HV Battery Voltage (cell sum)	339.20	Volts
HV Battery Voltage (Module Sum)	339.30	Volts
Battery Temperature Highest Sensor number	06	
Battery Temperature Lowest Sensor number	03	
HV Cooling Battery coolant inlet temp	16	°C
HV Cooling Battery coolant outlet temp	16	°C
BPCM temperature max	22	°C
BPCM temperature min	14	°C
Vehicle Isolation Impedance (Positive side)	4.194	Mega Ohms
Vehicle Isolation Impedance (Negative side)	4.194	Mega Ohms
Vehicle Isolation Impedance (Equivalent)	4.194	Mega Ohms
Battery Isolation Impedance (Positive side)	29.063	Mega Ohms
Battery Isolation Impedance (Negative side)	13.943	Mega Ohms
Battery Isolation Impedance (Equivalent)	9.599	Mega Ohms
Engine Speed	0	rpm
Accelerator position	7.8	%
GPS Date - Year	59399	Year
GPS Date Month	11	
GPS Date - Day	20	Days
UTC Time Hours	14	Hours
UTC Time - Minutes	17	
UTC Time – Seconds	0	seconds

HCP - System Shutdown Command (CAN)	Default	
HCP ePT LOC Diagnostics Enable (CAN)	ENB LOC	
HCP - Propulsion system active (CAN)	False	
HV Sensor Pack Voltage (U BAT P U BAT M)	339.10	Volts
HV Sensor - DC Link Voltage (U DC LINK)	0.10	Volts
HV Sensor - main fuse Voltage (U MAIN P - U MAIN M) - U DC LINK	0.4	Volts
OBCM Fuse Voltage (U MAIN P U AUX FUSE)	0.2	Volts
APM Fuse Voltage (U MAIN P - U AUX REL)	-0.2	Volts
HV Sensor Battery Voltage Positive contactor (U BAT P)	334.2	Volts
HV Sensor - Battery Voltage - Negative contactor (U BAT M)	-5.0	Volts
HV Sensor Weld Contactor Voltage Positive contactor (U MAIN P)	1.4	Volts
HV Sensor Weld Contactor Voltage Negative contactor (U MAIN M)	1.0	Volts
HV Sensor - U AUX FUSE	-651.0	Volts
HV Battery Total Amp Hour Capacity (CAN)	45.8	AHr
HV Battery - Pack Isolation state (CAN)	PASS	
HV Battery Powertrain Isolation state (CAN)	N S	
HV Sensor Pack Voltage VALIDITY (CAN)	Valid	
HV Battery Total Amp Hour Capacity VALIDITY (CAN)	Valid	
BPCM MCU Reset Counter	1	
BPCM - RAM Reset Counter	2	
BPCM ROM Reset Counter	0	
BPCM Hall current sensor supply voltage (5VQT1)	0.002	Volts
BPCM - Precharge Penalty Timer (CAN)	600	seconds
BPCM RTC Circuit Status	10	
BPCM - HVBat Sleep Time	2	seconds
BPCM System Mode	199	No Unit
BPCM - HV Battery pack contactor request (CAN)	True	
BPCM - HV Battery Pack contactor Open (CAN)	True	
BPCM HV Battery pack Contactor welded and impeded opening (CAN)	STUCK CLOSED	
BPCM - Crash Indication (CAN)	Do Not Actuate	
BPCM Crash Indication VALIDITY (CAN)	Fail Not Present	
BPCM - Retention Status	Normal	
BPCM - Active weld check type	No Weld Check	
BPCM Current Category of Wearout Counter	D Level	
HV Contactor State - Positive Contactor	Open	
HV Contactor State Negative Contactor	Open	
HV Contactor State - Precharge Contactor	Open	
CSC Fault - Cn Pin Open	PASS	
CSC Fault Cn Short to SWn	PASS	
CSC Fault - Auxiliary channel 1 Pin Open	PASS	
CSC Fault Auxiliary channel 2 Pin Open	PASS	

CSC Fault - Measured result difference between Alternative path and Primary path is out of range	PASS	
CSC Fault Balancing Switch Short	PASS	
CSC Fault - Balancing Switch Open	PASS	
CSC Fault Alternate reference voltage is out of range	PASS	
CSC Fault - Vaa voltage is out of range	PASS	
CSC Fault - Level-shift amplifier offset voltage is out of range	PASS	
CSC Fault Stuck ADC output bits verification with zero scale	PASS	
CSC Fault - Stuck ADC output bits verification with full-scale	PASS	
CSC Fault Multiplexer Open/Short verification with single HVMUX test current source	PASS	
CSC Fault - Multiplexer Open/Short verification with both HVMUX test current sources	PASS	
CSC Fault Measured result difference between Module voltage and Cell voltage summation	PASS	
CSC Fault Vhv < Vhvuv	PASS	
CSC Fault - Vhv - Vdcin > Vhvov	PASS	
CSC Fault Die Temperature is over the upper limit	PASS	
CSC Fault - Scanning for cell information is not complete	PASS	
CSC Fault ADC Data Path error	PASS	
CSC Fault Packet Error Check	PASS	
CSC Fault - Power-on reset event occurred	PASS	
CSC Fault 32kHz oscillator frequency is not within +/- 5% of its expected value	PASS	
CSC Fault - Same as Alrtosc1(redundant alert)	PASS	
CSC Fault Die Temperature is over the upper limit	PASS	
CSC Fault Module number addressing is fail	PASS	
CSC Fault - Alive counter is not matched to the expected value	PASS	
CSC Fault PEC Bits in Data check byte error	PASS	
CSC Fault - Vhv - V12 is too low	PASS	
CSC Fault Transmit data is not equal to read back data	PASS	
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	0B	
HVIL PWM Duty Cycle sink - Vehicle	49.0	%
SBC Status	Normal	
Vref UV Flag	No set	

Vref UV State	#0 Standby	
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	Diagnosis Case #2 Case 2	
Retention Diagnosis Flag	Flag Case #2 Retention HSD diagnosis	
Retention Diagnosis Status	Retention Diagnosis Status - 0	

BPCM | U0293-00 | Stored | Lost Communication with Hybrid Control Module "A"-

NAME	VALUE	UNITS
DTC	C2 93 00	
Test Failed	False	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	True	
Occurrence flag	Error	
Original Odometer Value	21526.8	km
Most Recent Odometer Value	21526.8	km
Frequency Counter	1	
Ignition Cycle Counter	0	
FoM for this DTC (lifetime fails)	5	events
FoM - for this DTC (lifetime fails counts on pass)	0.0000	seconds
FoM for this DTC (lifetime longest fail on pass)	0.000	seconds
Battery Total Time Awake	28930666	seconds
Key in Ignition	Key_Def	
EPT WakeUp	Not Sourced	
HCP Contactor Command	OPN	
Contactor Status	Open	
Plug in Status	Not plugged in	
Balance Mode	False	
Vehicle Speed	201.2	km/hr
System (12) Volts at time of fault	5.245	Volts

Battery Lifetime AmpHrs of Charge	10277.1	AHr
Battery Lifetime AmpHrs of DisCharge	10275.6	AHr
HVIL Status -Vehicle	Not Sourced	
Cycles left to self heal	40	No Unit
HV Battery Charge Power 2sec	3000	watts
HV Battery Charge Power 10sec	3000	watts
HV Battery Discharge Power 2sec	3000	watts
HV Battery Discharge Power 10sec	3000	watts
Key DriveRdy (CAN)	False	
Battery Lifetime Number Of Closes	2858	
Battery Full AmpHr Capacity	46.2	AmpHrs
Battery Cell Voltage Maximum	3540	mV
Battery Cell Voltage Minimum	3526	mV
Battery Cell Voltage Average	3534	mV
Battery Temperature Maximum Module	16	°C
Battery Temperature Minimum Module	15	°C
Battery Temperature Average Module	16	°C
DTC Extended Data Record Number - All	01	
DTC Extended Data Record Number 2	02	
HV Battery Charge Power 30sec	3000	watts
HV Battery Discharge Power 30sec	3000	watts
Key Position	Ignition Status: Running	
SOC	17.6	%
HV Bat SOH R	94.1	%
HV Bat SOH-C	92.5	%
Cell Impedance Max Discharge	1.034	mOhms
Cell Impedance Min Discharge	0.975	mOhms
HVIL Status - Battery pack	PASS	
HVIL PWM Duty Cycle source Vehicle	100.0	%
HVIL PWM Duty Cycle Source - Battery	49.0	%
HVIL PWM Duty Cycle Sink Battery	49.0	%
HVIL PWM Frequency source - Vehicle	0.0	Hz
HVIL PWM Frequency Sink - Vehicle	0.0	Hz
HVIL PWM Frequency Source Battery	88.0	Hz
HVIL PWM Frequency Sink - Battery	88.0	Hz
HVIL Returned current Vehicle	137.40	mA
HVIL Returned current - Battery	1.40	mA
Battery Cell Highest Cell number	95	
Battery Cell Lowest Cell number	00	
HV Battery Current Sensor Primary	0.00	Amps
HV Battery Current Sensor Secondary	0.00	Amps
HV Battery Current HVBatCrnt	0.00	Amps

HV Battery Voltage (cell sum)	339.20	Volts
HV Battery Voltage (Module Sum)	339.30	Volts
Battery Temperature Highest Sensor number	06	
Battery Temperature Lowest Sensor number	03	
HV Cooling Battery coolant inlet temp	16	°C
HV Cooling Battery coolant outlet temp	16	°C
BPCM temperature max	20	°C
BPCM temperature min	14	°C
Vehicle Isolation Impedance (Positive side)	4.194	Mega Ohms
Vehicle Isolation Impedance (Negative side)	4.194	Mega Ohms
Vehicle Isolation Impedance (Equivalent)	4.194	Mega Ohms
Battery Isolation Impedance (Positive side)	29.063	Mega Ohms
Battery Isolation Impedance (Negative side)	13.943	Mega Ohms
Battery Isolation Impedance (Equivalent)	9.599	Mega Ohms
Engine Speed	0	rpm
Accelerator position	7.8	%
GPS Date Year	59399	Year
GPS Date - Month	11	
GPS Date Day	20	Days
UTC Time - Hours	14	Hours
UTC Time Minutes	17	
UTC Time Seconds	0	seconds
HCP - System Shutdown Command (CAN)	Default	
HCP ePT LOC Diagnostics Enable (CAN)	ENB LOC	
HCP - Propulsion system active (CAN)	False	
HV Sensor Pack Voltage (U BAT P U BAT M)	339.10	Volts
HV Sensor - DC Link Voltage (U DC LINK)	0.10	Volts
HV Sensor - main fuse Voltage (U MAIN P - U MAIN M) - U DC LINK	0.4	Volts
OBCM Fuse Voltage (U MAIN P U AUX FUSE)	0.2	Volts
APM Fuse Voltage (U MAIN P - U AUX REL)	-0.2	Volts
HV Sensor Battery Voltage Positive contactor (U BAT P)	334.2	Volts
HV Sensor - Battery Voltage - Negative contactor (U BAT M)	-5.0	Volts
HV Sensor - Weld Contactor Voltage - Positive contactor (U MAIN P)	1.4	Volts
HV Sensor Weld Contactor Voltage Negative contactor (U MAIN M)	1.0	Volts
HV Sensor - U AUX FUSE	-651.0	Volts
HV Battery Total Amp Hour Capacity (CAN)	45.8	AHr
HV Battery - Pack Isolation state (CAN)	PASS	
HV Battery - Powertrain Isolation state (CAN)	N_S	

HV Sensor - Pack Voltage VALIDITY (CAN)	Valid	
HV Battery Total Amp Hour Capacity VALIDITY (CAN)	Valid	
BPCM - MCU Reset Counter	2	
BPCM RAM Reset Counter	2	
BPCM - ROM Reset Counter	0	
BPCM - Hall current sensor supply voltage (5VQT1)	0.024	Volts
BPCM Precharge Penalty Timer (CAN)	600	seconds
BPCM - RTC Circuit Status	10	
BPCM HVBat Sleep Time	2	seconds
BPCM - System Mode	120	No Unit
BPCM HV Battery pack contactor request (CAN)	True	
BPCM HV Battery Pack contactor Open (CAN)	True	
BPCM - HV Battery pack Contactor welded and impeded opening (CAN)	STUCK_CLOSED	
BPCM Crash Indication (CAN)	Do Not Actuate	
BPCM - Crash Indication VALIDITY (CAN)	Fail Not Present	
BPCM Retention Status	Normal	
BPCM Active weld check type	No Weld Check	
BPCM - Current Category of Wearout Counter	A Level	
HV Contactor State Positive Contactor	Open	
HV Contactor State - Negative Contactor	Open	
HV Contactor State Precharge Contactor	Open	
CSC Fault Cn Pin Open	PASS	
CSC Fault - Cn Short to SWn	PASS	
CSC Fault Auxiliary channel 1 Pin Open	PASS	
CSC Fault - Auxiliary channel 2 Pin Open	PASS	
CSC Fault Measured result difference between Alternative path and Primary path is out of range	PASS	
CSC Fault - Balancing Switch Short	PASS	
CSC Fault - Balancing Switch Open	PASS	
CSC Fault Alternate reference voltage is out of range	PASS	
CSC Fault - Vaa voltage is out of range	PASS	
CSC Fault Level shift amplifier offset voltage is out of range	PASS	
CSC Fault - Stuck ADC output bits verification with zero-scale	PASS	
CSC Fault - Stuck ADC output bits verification with full-scale	PASS	
CSC Fault Multiplexer Open/Short verification with single HVMUX test current source	PASS	
CSC Fault - Multiplexer Open/Short verification with both HVMUX test current sources	PASS	
CSC Fault Measured result difference between Module voltage and Cell voltage summation	PASS	
CSC Fault - Vhv < Vhvuv	PASS	
CSC Fault - Vhv - Vdcin > Vhvov	PASS	
CSC Fault Die Temperature is over the upper limit	PASS	
CSC Fault - Scanning for cell information is not complete	PASS	

CSC Fault - ADC Data Path error	PASS	
CSC Fault Packet Error Check	PASS	
CSC Fault - Power-on reset event occurred	PASS	
CSC Fault 32kHz oscillator frequency is not within +/- 5% of its expected value	PASS	
CSC Fault - Same as Alrtosc1(redundant alert)	PASS	
CSC Fault - Die Temperature is over the upper limit	PASS	
CSC Fault Module number addressing is fail	PASS	
CSC Fault - Alive counter is not matched to the expected value	PASS	
CSC Fault PEC Bits in Data check byte error	PASS	
CSC Fault - Vhv - V12 is too low	PASS	
CSC Fault Transmit data is not equal to read back data	PASS	
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	0B	
HVIL PWM Duty Cycle sink Vehicle	100.0	%
SBC Status	Normal	
Vref UV Flag	No set	
Vref UV State	#0 Standby	
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	Diagnosis Case #2 - Case 2	
Retention Diagnosis Flag	Flag Case #2 Retention HSD diagnosis	
Retention Diagnosis Status	Retention Diagnosis Status - 0	

HCP | P2534-00 | Stored | Ignition Switch On/Start Position Circuit Low-

NAME	VALUE	UNITS
DTC	25 34 00	

Test Failed	False	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number	01	
Occurrence flag	Occurrence	
Original Odometer Value	21526.8	km
Most Recent Odometer Value	21526.8	km
Frequency Counter	1	
Ignition Cycle Counter	0	
Microcontroller reset reason - Core 0	FFFF0003	
Microcontroller reset reason Core 1	Power Up	
Real time clock	1019625792	sec
RAM stamps keyOn	165	sec
RAM Stamps	184140	Min
Accelerator Pedal Position	0	%
Barometric Pressure	99	kPa
Engine Coolant Temperature	14	DegC
Engine Speed	0	rpm
Vehicle Speed	0.0000	km/h
HV Battery SOC	18	%
Brake Switch Status	Not Applied	
Battery Feed Voltage 1 Sense	5.400	Volts
Battery Feed Voltage 2 Sense	5.328	Volts
Battery Feed Voltage 3 Sense	5.616	Volts
Internal EPS Voltage Sense A	0.000	Volts
Internal EPS Voltage Sense B	0.000	Volts
Hybrid System State	SNA	
Actual Torque - Motor A	0.125	NM
Actual Torque Motor B	0.000	NM
Available Motor Torque - Motor A	53.000	NM
Available Motor Torque Motor B	0.000	NM
Available Regen Torque - Motor A	-53.000	NM
Available Regen Torque - Motor B	0.000	NM
Commanded Torque Motor A	0.000	NM
Commanded Torque - Motor B	0.000	NM
Motor A Inverter Current phase A	0	AMP
Motor A - Inverter Current - phase B	-4	AMP

Motor A - Inverter Current - phase C	0	AMP
Motor B Inverter Current phase A	0	AMP
Motor B - Inverter Current - phase B	0	AMP
Motor B Inverter Current phase C	0	AMP
Motor A Resolver Angle	264	Degree
Motor B Resolver Angle	Not Programmed	Degree
Motor A Temp Sensor	17	DegC
Motor B Temp Sensor	15	DegC
Outside Air Temperature	20.0	DegC
Ignition State	Reserved	
HCP ePT Wake Up Output	Off	
CBC Wake Up Input	Off	
EPT LOC Diag Enable	Enable LOC Diagnostic	
Propulsion System Active	False	
HV Contactor Status	Open	
HV Battery Voltage from BPCM	180.00	Volts
Electric Motor A Speed	0.0	rpm
Electric Motor B Speed	0.0	rpm
PIM DC Link Voltage A	0	Volts
PIM DC Link Voltage - B	0	Volts
Inverter A IGBT Temperature for phase A	11	DegC
Inverter A IGBT Temperature for phase B	13	DegC
Inverter A IGBT Temperature for phase C	14	DegC
Inverter B IGBT Temperature for phase A	12	DegC
Inverter B IGBT Temperature for phase B	13	DegC
Inverter B IGBT Temperature for phase C	13	DegC
APM Status	Idle	
Impact Event	False	
PRND Position Display	P	
HCP System Shutdown Command	Default	
PHEV Charging Status	No Charging	
Distance Travelled with Light ON	0	km
OBCM Operating Mode	UTC	
J1772 Prox Detected State	Prox Out	
HV Battery Sleep Time	0	Days
SW Build Release Version	PIM 20B 2310B0 P1P2 HCP	
HCP SW Version	20B	
High Voltage bus voltage fault status	No fault	
HV Battery Voltage	339	Volts
HV Battery Voltage fault status	No fault	
APM HV Voltage	0	Volts
APM HV Voltage fault status	No fault	

ECH HV Voltage	0	Volts
ECH HV Voltage fault status	Fault	
EAC HV Voltage	0	Volts
EAC HV Voltage fault status	No fault	
HV Battery Contactor Status FA	No fault	
DAP Contactor Open	Do Not Open	
Air PTC Heater HV Voltage	0	Volts
Air PTC Heater HV Voltage Fault Status	No fault	
DBK Heater HV Voltage	0	Volts
DBK Heater HV Voltage Fault Status	No fault	
High Voltage Interlock Status	Interlock Passed	
Engine WarmUp Cycle Complete	Not Completed	
Charging System Status	Not Charging	
Charging Level	Default	
High Voltage Contactor Control	Open	
GPS Date Year	59399	Year
GPS Date Month	11	
GPS Date - Day	20	Days
UTC Time Hours	14	Hours
UTC Time - Minutes	17	
UTC Time Seconds	48	seconds
ECU Time Milliseconds	975	ms

HCP | P2537-00 | Stored | Ignition Switch Accessory Position Circuit Low-

NAME	VALUE	UNITS
DTC	25 37 00	
Test Failed	False	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number	01	
Occurrence flag	Occurrence	
Original Odometer Value	21526.8	km
Most Recent Odometer Value	21526.8	km
Frequency Counter	1	
Ignition Cycle Counter	0	
Microcontroller reset reason Core 0	FFFF0003	
Microcontroller reset reason - Core 1	Power Up	

Real time clock	1019625856	sec
RAM stamps keyOn	210	sec
RAM Stamps	184141	Min
Accelerator Pedal Position	0	%
Barometric Pressure	99	kPa
Engine Coolant Temperature	14	DegC
Engine Speed	0	rpm
Vehicle Speed	0.0000	km/h
HV Battery SOC	18	%
Brake Switch Status	Not Applied	
Battery Feed Voltage 1 Sense	5.184	Volts
Battery Feed Voltage 2 Sense	5.184	Volts
Battery Feed Voltage 3 Sense	5.472	Volts
Internal EPS Voltage Sense A	0.000	Volts
Internal EPS Voltage Sense B	0.000	Volts
Hybrid System State	SNA	
Actual Torque Motor A	0.125	NM
Actual Torque - Motor B	0.000	NM
Available Motor Torque Motor A	53.000	NM
Available Motor Torque - Motor B	0.000	NM
Available Regen Torque Motor A	53.000	NM
Available Regen Torque Motor B	0.000	NM
Commanded Torque - Motor A	0.000	NM
Commanded Torque Motor B	0.000	NM
Motor A - Inverter Current - phase A	0	AMP
Motor A Inverter Current phase B	0	AMP
Motor A - Inverter Current - phase C	-4	AMP
Motor B - Inverter Current - phase A	0	AMP
Motor B Inverter Current phase B	0	AMP
Motor B - Inverter Current - phase C	0	AMP
Motor A Resolver Angle	264	Degree
Motor B Resolver Angle	Not Programmed	Degree
Motor A Temp Sensor	16	DegC
Motor B Temp Sensor	15	DegC
Outside Air Temperature	20.0	DegC
Ignition State	Reserved	
HCP ePT Wake-Up Output	Off	
CBC Wake-Up Input	Off	
EPT LOC Diag Enable	Enable LOC Diagnostic	
Propulsion System Active	False	
HV Contactor Status	Open	
HV Battery Voltage from BPCM	180.00	Volts

Electric Motor A Speed	0.0	rpm
Electric Motor B Speed	0.0	rpm
PIM DC Link Voltage - A	0	Volts
PIM DC Link Voltage B	0	Volts
Inverter A IGBT Temperature for phase A	11	DegC
Inverter A IGBT Temperature for phase B	13	DegC
Inverter A IGBT Temperature for phase C	14	DegC
Inverter B IGBT Temperature for phase A	12	DegC
Inverter B IGBT Temperature for phase B	13	DegC
Inverter B IGBT Temperature for phase C	13	DegC
APM Status	Off	
Impact Event	False	
PRND Position Display	P	
HCP System Shutdown Command	Default	
PHEV Charging Status	No Charging	
Distance Travelled with Light ON	0	km
OBCM Operating Mode	UTC	
J1772 Prox Detected State	Prox Out	
HV Battery Sleep Time	0	Days
SW Build Release Version	PIM_20B_2310B0_P1P2_HCP_	
HCP SW Version	20B	
High Voltage bus voltage fault status	No fault	
HV Battery Voltage	339	Volts
HV Battery Voltage fault status	No fault	
APM HV Voltage	0	Volts
APM HV Voltage fault status	No fault	
ECH HV Voltage	0	Volts
ECH HV Voltage fault status	Fault	
EAC HV Voltage	0	Volts
EAC HV Voltage fault status	Fault	
HV Battery Contactor Status FA	No fault	
DAP Contactor Open	Do Not Open	
Air PTC Heater HV Voltage	0	Volts
Air PTC Heater HV Voltage Fault Status	No fault	
DBK Heater HV Voltage	0	Volts
DBK Heater HV Voltage Fault Status	No fault	
High Voltage Interlock Status	Interlock Not Sourced	
Engine WarmUp Cycle Complete	Not Completed	
Charging System Status	Not Charging	
Charging Level	Default	
High Voltage Contactor Control	Open	
GPS Date - Year	59399	Year

GPS Date - Month	11	
GPS Date Day	20	Days
UTC Time - Hours	14	Hours
UTC Time Minutes	18	
UTC Time - Seconds	23	seconds
ECU Time - Milliseconds	750	ms

HCP | B12B4-00 | Stored | Charge Status Indicator Module Internal-

NAME	VALUE	UNITS
DTC	92 B4 00	
Test Failed	False	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number	01	
Occurrence flag	Occurrence	
Original Odometer Value	0.0	km
Most Recent Odometer Value	0.0	km
Frequency Counter	1	
Ignition Cycle Counter	0	
Microcontroller reset reason - Core 0	FFFF0003	
Microcontroller reset reason Core 1	Power Up	
Real time clock	1019625856	sec
RAM stamps keyOn	180	sec
RAM Stamps	184141	Min
Accelerator Pedal Position	0	%
Barometric Pressure	99	kPa
Engine Coolant Temperature	14	DegC
Engine Speed	0	rpm
Vehicle Speed	0.0000	km/h
HV Battery SOC	18	%
Brake Switch Status	Not Applied	
Battery Feed Voltage 1 Sense	5.328	Volts
Battery Feed Voltage 2 Sense	5.328	Volts
Battery Feed Voltage 3 Sense	5.616	Volts
Internal EPS Voltage Sense A	0.000	Volts
Internal EPS Voltage Sense B	0.000	Volts
Hybrid System State	SNA	

Actual Torque - Motor A	0.125	NM
Actual Torque Motor B	0.000	NM
Available Motor Torque - Motor A	53.000	NM
Available Motor Torque Motor B	0.000	NM
Available Regen Torque - Motor A	-53.000	NM
Available Regen Torque - Motor B	0.000	NM
Commanded Torque Motor A	0.000	NM
Commanded Torque - Motor B	0.000	NM
Motor A Inverter Current phase A	0	AMP
Motor A - Inverter Current - phase B	-4	AMP
Motor A Inverter Current phase C	4	AMP
Motor B Inverter Current phase A	0	AMP
Motor B - Inverter Current - phase B	-4	AMP
Motor B Inverter Current phase C	0	AMP
Motor A Resolver Angle	264	Degree
Motor B Resolver Angle	Not Programmed	Degree
Motor A Temp Sensor	17	DegC
Motor B Temp Sensor	15	DegC
Outside Air Temperature	20.0	DegC
Ignition State	Reserved	
HCP ePT Wake Up Output	Off	
CBC Wake Up Input	Off	
EPT LOC Diag Enable	Enable LOC Diagnostic	
Propulsion System Active	False	
HV Contactor Status	Open	
HV Battery Voltage from BPCM	180.00	Volts
Electric Motor A Speed	0.0	rpm
Electric Motor B Speed	0.0	rpm
PIM DC Link Voltage A	0	Volts
PIM DC Link Voltage - B	0	Volts
Inverter A IGBT Temperature for phase A	11	DegC
Inverter A IGBT Temperature for phase B	13	DegC
Inverter A IGBT Temperature for phase C	14	DegC
Inverter B IGBT Temperature for phase A	12	DegC
Inverter B IGBT Temperature for phase B	12	DegC
Inverter B IGBT Temperature for phase C	13	DegC
APM Status	Off	
Impact Event	False	
PRND Position Display	P	
HCP System Shutdown Command	Default	
PHEV Charging Status	No Charging	
Distance Travelled with Light ON	0	km

OBCM Operating Mode	UTC	
J1772 Prox Detected State	Prox Out	
HV Battery Sleep Time	0	Days
SW Build Release Version	PIM_20B_2310B0_P1P2_HCP_	
HCP SW Version	20B	
High Voltage bus voltage fault status	No fault	
HV Battery Voltage	339	Volts
HV Battery Voltage fault status	No fault	
APM HV Voltage	0	Volts
APM HV Voltage fault status	No fault	
ECH HV Voltage	0	Volts
ECH HV Voltage fault status	Fault	
EAC HV Voltage	0	Volts
EAC HV Voltage fault status	No fault	
HV Battery Contactor Status FA	No fault	
DAP Contactor Open	Do Not Open	
Air PTC Heater HV Voltage	0	Volts
Air PTC Heater HV Voltage Fault Status	No fault	
DBK Heater HV Voltage	0	Volts
DBK Heater HV Voltage Fault Status	No fault	
High Voltage Interlock Status	Interlock Not Sourced	
Engine WarmUp Cycle Complete	Not Completed	
Charging System Status	Not Charging	
Charging Level	Default	
High Voltage Contactor Control	Open	
GPS Date - Year	59399	Year
GPS Date - Month	11	
GPS Date - Day	20	Days
UTC Time - Hours	14	Hours
UTC Time - Minutes	18	
UTC Time - Seconds	6	seconds
ECU Time - Milliseconds	256	ms

HCP | P0562-00 | Stored | System Voltage Low-

NAME	VALUE	UNITS
DTC	05 62 00	
Test Failed	False	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	

Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number	01	
Occurrence flag	Occurrence	
Original Odometer Value	21526.7	km
Most Recent Odometer Value	21526.8	km
Frequency Counter	2	
Ignition Cycle Counter	0	
Microcontroller reset reason - Core 0	FFFF0003	
Microcontroller reset reason - Core 1	Power Up	
Real time clock	1019625728	sec
RAM stamps keyOn	60	sec
RAM Stamps	184139	Min
Accelerator Pedal Position	0	%
Barometric Pressure	99	kPa
Engine Coolant Temperature	14	DegC
Engine Speed	0	rpm
Vehicle Speed	0.0000	km/h
HV Battery SOC	18	%
Brake Switch Status	Not Applied	
Battery Feed Voltage 1 Sense	8.424	Volts
Battery Feed Voltage 2 Sense	8.424	Volts
Battery Feed Voltage 3 Sense	8.496	Volts
Internal EPS Voltage Sense A	0.000	Volts
Internal EPS Voltage Sense B	0.000	Volts
Hybrid System State	SNA	
Actual Torque - Motor A	0.125	NM
Actual Torque - Motor B	0.000	NM
Available Motor Torque - Motor A	53.000	NM
Available Motor Torque - Motor B	0.000	NM
Available Regen Torque - Motor A	-53.000	NM
Available Regen Torque - Motor B	0.000	NM
Commanded Torque - Motor A	0.000	NM
Commanded Torque - Motor B	0.000	NM
Motor A - Inverter Current - phase A	0	AMP
Motor A - Inverter Current - phase B	-4	AMP
Motor A - Inverter Current - phase C	-4	AMP
Motor B - Inverter Current - phase A	0	AMP
Motor B - Inverter Current - phase B	0	AMP
Motor B - Inverter Current - phase C	0	AMP
Motor A Resolver Angle	264	Degree
Motor B Resolver Angle	Not Programmed	Degree

Motor A Temp Sensor	17	DegC
Motor B Temp Sensor	14	DegC
Outside Air Temperature	14.0	DegC
Ignition State	Reserved	
HCP ePT Wake-Up Output	Off	
CBC Wake-Up Input	Off	
EPT LOC Diag Enable	Enable LOC Diagnostic	
Propulsion System Active	False	
HV Contactor Status	Open	
HV Battery Voltage from BPCM	180.00	Volts
Electric Motor A Speed	0.0	rpm
Electric Motor B Speed	0.0	rpm
PIM DC Link Voltage - A	0	Volts
PIM DC Link Voltage - B	0	Volts
Inverter A IGBT Temperature for phase A	11	DegC
Inverter A IGBT Temperature for phase B	13	DegC
Inverter A IGBT Temperature for phase C	14	DegC
Inverter B IGBT Temperature for phase A	12	DegC
Inverter B IGBT Temperature for phase B	12	DegC
Inverter B IGBT Temperature for phase C	13	DegC
APM Status	Idle	
Impact Event	False	
PRND Position Display	P	
HCP System Shutdown Command	Default	
PHEV Charging Status	No Charging	
Distance Travelled with Light ON	0	km
OBCM Operating Mode	UTC	
J1772 Prox Detected State	Prox Out	
HV Battery Sleep Time	0	Days
SW Build Release Version	PIM_20B_2310B0_P1P2_HCP_	
HCP SW Version	20B	
High Voltage bus voltage fault status	No fault	
HV Battery Voltage	339	Volts
HV Battery Voltage fault status	No fault	
APM HV Voltage	0	Volts
APM HV Voltage fault status	No fault	
ECH HV Voltage	0	Volts
ECH HV Voltage fault status	No fault	
EAC HV Voltage	0	Volts
EAC HV Voltage fault status	No fault	
HV Battery Contactor Status FA	No fault	
DAP Contactor Open	Do Not Open	

Air PTC Heater HV Voltage	0	Volts
Air PTC Heater HV Voltage Fault Status	No fault	
DBK Heater HV Voltage	0	Volts
DBK Heater HV Voltage Fault Status	No fault	
High Voltage Interlock Status	Interlock Passed	
Engine WarmUp Cycle Complete	Not Completed	
Charging System Status	Not Charging	
Charging Level	Default	
High Voltage Contactor Control	Open	
GPS Date - Year	59399	Year
GPS Date - Month	11	
GPS Date - Day	20	Days
UTC Time - Hours	14	Hours
UTC Time - Minutes	16	
UTC Time - Seconds	1	seconds
ECU Time - Milliseconds	869	ms

HCP | U0415-00 | Active | Invalid Data Received from Anti-Lock Brake System (ABS) Control Module "A"-

NAME	VALUE	UNITS
DTC	C4 15 00	
Test Failed	True	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	True	
DTC Extended Data Record Number	01	
Occurrence flag	Occurrence	
Original Odometer Value	21526.8	km
Most Recent Odometer Value	21526.8	km
Frequency Counter	1	
Ignition Cycle Counter	0	
Microcontroller reset reason - Core 0	FFFF0003	
Microcontroller reset reason - Core 1	Power Up	
Real time clock	1019625856	sec
RAM stamps keyOn	15	sec
RAM Stamps	184141	Min
Accelerator Pedal Position	0	%
Barometric Pressure	99	kPa
Engine Coolant Temperature	14	DegC

Engine Speed	0	rpm
Vehicle Speed	0.0000	km/h
HV Battery SOC	18	%
Brake Switch Status	Not Applied	
Battery Feed Voltage 1 Sense	11.520	Volts
Battery Feed Voltage 2 Sense	11.520	Volts
Battery Feed Voltage 3 Sense	11.592	Volts
Internal EPS Voltage Sense A	8.928	Volts
Internal EPS Voltage Sense B	8.856	Volts
Hybrid System State	Inverters Enabled	
Actual Torque - Motor A	0.000	NM
Actual Torque - Motor B	0.000	NM
Available Motor Torque - Motor A	53.000	NM
Available Motor Torque - Motor B	244.625	NM
Available Regen Torque - Motor A	-53.000	NM
Available Regen Torque - Motor B	0.000	NM
Commanded Torque - Motor A	0.000	NM
Commanded Torque - Motor B	0.000	NM
Motor A - Inverter Current - phase A	0	AMP
Motor A - Inverter Current - phase B	0	AMP
Motor A - Inverter Current - phase C	-4	AMP
Motor B - Inverter Current - phase A	-4	AMP
Motor B - Inverter Current - phase B	0	AMP
Motor B - Inverter Current - phase C	0	AMP
Motor A Resolver Angle	264	Degree
Motor B Resolver Angle	Not Programmed	Degree
Motor A Temp Sensor	16	DegC
Motor B Temp Sensor	123	DegC
Outside Air Temperature	14.0	DegC
Ignition State	Reserved	
HCP ePT Wake-Up Output	Off	
CBC Wake-Up Input	Off	
EPT LOC Diag Enable	Enable LOC Diagnostic	
Propulsion System Active	False	
HV Contactor Status	Closed	
HV Battery Voltage from BPCM	339.90	Volts
Electric Motor A Speed	0.0	rpm
Electric Motor B Speed	0.0	rpm
PIM DC Link Voltage - A	340	Volts
PIM DC Link Voltage - B	340	Volts
Inverter A IGBT Temperature for phase A	11	DegC
Inverter A IGBT Temperature for phase B	13	DegC

Inverter A IGBT Temperature for phase C	14	DegC
Inverter B IGBT Temperature for phase A	12	DegC
Inverter B IGBT Temperature for phase B	12	DegC
Inverter B IGBT Temperature for phase C	13	DegC
APM Status	Off	
Impact Event	False	
PRND Position Display	P	
HCP System Shutdown Command	Default	
PHEV Charging Status	No Charging	
Distance Travelled with Light ON	0	km
OBCM Operating Mode	UTC	
J1772 Prox Detected State	Prox Out	
HV Battery Sleep Time	0	Days
SW Build Release Version	PIM_20B_2310B0_P1P2_HCP_	
HCP SW Version	20B	
High Voltage bus voltage fault status	No fault	
HV Battery Voltage	339	Volts
HV Battery Voltage fault status	No fault	
APM HV Voltage	338	Volts
APM HV Voltage fault status	No fault	
ECH HV Voltage	342	Volts
ECH HV Voltage fault status	No fault	
EAC HV Voltage	332	Volts
EAC HV Voltage fault status	No fault	
HV Battery Contactor Status FA	No fault	
DAP Contactor Open	Do Not Open	
Air PTC Heater HV Voltage	0	Volts
Air PTC Heater HV Voltage Fault Status	No fault	
DBK Heater HV Voltage	342	Volts
DBK Heater HV Voltage Fault Status	No fault	
High Voltage Interlock Status	Interlock Passed	
Engine WarmUp Cycle Complete	Not Completed	
Charging System Status	Not Charging	
Charging Level	Default	
High Voltage Contactor Control	Closed	
GPS Date - Year	59399	Year
GPS Date - Month	11	
GPS Date - Day	20	Days
UTC Time - Hours	14	Hours
UTC Time - Minutes	19	
UTC Time - Seconds	1	seconds
ECU Time - Milliseconds	88	ms

HCP | U3501-00 | Pending | Control Module Input Power "A" Circuit Low-

NAME	VALUE	UNITS
DTC	F5 01 00	
Test Failed	False	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Confirmed DTC	False	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number		
Occurrence flag		
Original Odometer Value		km
Most Recent Odometer Value		km
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		kPa
Engine Coolant Temperature		DegC
Engine Speed		rpm
Vehicle Speed		km/h
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		NM
Actual Torque - Motor B		NM
Available Motor Torque - Motor A		NM
Available Motor Torque - Motor B		NM
Available Regen Torque - Motor A		NM
Available Regen Torque - Motor B		NM
Commanded Torque - Motor A		NM

Commanded Torque - Motor B		NM
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		DegC
Motor B Temp Sensor		DegC
Outside Air Temperature		DegC
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		DegC
Inverter A IGBT Temperature for phase B		DegC
Inverter A IGBT Temperature for phase C		DegC
Inverter B IGBT Temperature for phase A		DegC
Inverter B IGBT Temperature for phase B		DegC
Inverter B IGBT Temperature for phase C		DegC
APM Status		
Impact Event		
PRND Position Display		
HCP System Shutdown Command		
PHEV Charging Status		
Distance Travelled with Light ON		km
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		Volts
EAC HV Voltage fault status		
HV Battery Contactor Status FA		
DAP Contactor Open		
Air PTC Heater HV Voltage		Volts
Air PTC Heater HV Voltage Fault Status		
DBK Heater HV Voltage		Volts
DBK Heater HV Voltage Fault Status		
High Voltage Interlock Status		
Engine WarmUp Cycle Complete		
Charging System Status		
Charging Level		
High Voltage Contactor Control		
GPS Date - Year		Year
GPS Date - Month		
GPS Date - Day		Days
UTC Time - Hours		Hours
UTC Time - Minutes		
UTC Time - Seconds		seconds
ECU Time - Milliseconds		
		ms

ABSO | C2100-00 | Active | Battery Voltage Low-

NAME	VALUE	UNITS
DTC	61 00 00	
Test Failed	True	
Test Failed This Operation Cycle	True	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	True	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	True	
Warning Indicator Requested	True	
Occurrence flag	Error	
Controller Event	No	
Mirror Memory	No	
Undervoltage Suspected	Yes	
Original Odometer Value	21440	km

Most Recent Odometer Value	21520	km
Frequency Counter	255	
Ignition Cycle Counter	1	
Fault Time	23.40	S
Current System Mode	CAN active	
Previous System Mode	CAN active	
Wheel Speed Left Front	0.000	km/h
Rotation Direction Left Front	Invalid	
Wheel Speed Right Front	0.000	km/h
Rotation Direction Right Front	Invalid	
Wheel Speed Left Rear	0.000	km/h
Rotation Direction Left Rear	Invalid	
Wheel Speed Right Rear	0.000	km/h
Rotation Direction Right Rear	Invalid	
Steering Wheel Angle	10.00	°
Longitudinal Acceleration	-0.52	m/s^2
Yaw Rate	0.73	°/s
Supplier Internal Code	339	

ABS0 | C2102-00 | Stored | System Voltage Low-

NAME	VALUE	UNITS
DTC	61 02 00	
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
Occurrence flag	Error	
Controller Event	No	
Mirror Memory	No	
Undervoltage Suspected	Yes	
Original Odometer Value	21440	km
Most Recent Odometer Value	21520	km
Frequency Counter	77	
Ignition Cycle Counter	0	
Fault Time	15.00	S
Current System Mode	Ignition Run	
Previous System Mode	CAN active	
Wheel Speed Left Front	0.000	km/h

Rotation Direction Left Front	Invalid	
Wheel Speed Right Front	0.000	km/h
Rotation Direction Right Front	Invalid	
Wheel Speed Left Rear	0.000	km/h
Rotation Direction Left Rear	Invalid	
Wheel Speed Right Rear	0.000	km/h
Rotation Direction Right Rear	Invalid	
Steering Wheel Angle	10.00	°
Longitudinal Acceleration	-0.54	m/s^2
Yaw Rate	0.73	°/s
Supplier Internal Code	6983	

ABSO | U3006-00 | Stored | Control Module Input Power "A" Circuit/Open-

NAME	VALUE	UNITS
DTC	F0 06 00	
Test Failed	False	
Test Failed This Operation Cycle	True	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	True	
Occurrence flag	Error	
Controller Event	No	
Mirror Memory	No	
Undervoltage Suspected	Yes	
Original Odometer Value	21456	km
Most Recent Odometer Value	21520	km
Frequency Counter	255	
Ignition Cycle Counter	2	
Fault Time	64.20	S
Current System Mode	CAN active	
Previous System Mode	CAN active	
Wheel Speed Left Front	0.000	km/h
Rotation Direction Left Front	Invalid	
Wheel Speed Right Front	0.000	km/h
Rotation Direction Right Front	Invalid	
Wheel Speed Left Rear	0.000	km/h
Rotation Direction Left Rear	Invalid	
Wheel Speed Right Rear	0.000	km/h
Rotation Direction Right Rear	Invalid	

Steering Wheel Angle	10.00	°
Longitudinal Acceleration	-0.52	m/s^2
Yaw Rate	0.61	°/s
Supplier Internal Code	5633	

ABSO | U3007-00 | Stored | Control Module Input Power "B" Circuit/Open-

NAME	VALUE	UNITS
DTC	F0 07 00	
Test Failed	False	
Test Failed This Operation Cycle	True	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	True	
Occurrence flag	Error	
Controller Event	No	
Mirror Memory	No	
Undervoltage Suspected	Yes	
Original Odometer Value	21456	km
Most Recent Odometer Value	21520	km
Frequency Counter	255	
Ignition Cycle Counter	2	
Fault Time	64.20	S
Current System Mode	CAN active	
Previous System Mode	CAN active	
Wheel Speed Left Front	0.000	km/h
Rotation Direction Left Front	Invalid	
Wheel Speed Right Front	0.000	km/h
Rotation Direction Right Front	Invalid	
Wheel Speed Left Rear	0.000	km/h
Rotation Direction Left Rear	Invalid	
Wheel Speed Right Rear	0.000	km/h
Rotation Direction Right Rear	Invalid	
Steering Wheel Angle	10.00	°
Longitudinal Acceleration	-0.52	m/s^2
Yaw Rate	0.61	°/s
Supplier Internal Code	5634	

No Environmental Data available for C221F-00

SGW | B2199-16 | Stored | Battery Voltage-Circuit Voltage Below Threshold

NAME	VALUE	UNITS
Test Failed	False	
Test Failed This Monitoring Cycle	False	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed This Monitoring Cycle	False	
Warning Indicator Requested	False	
DTCExtendedDataRecordNumber	Record \$01-\$8f	
Event Counter	Event counter for clear DTC memory	
Cycle to Switch Warning Lamp OFF	3 = error present (3 cycle consecutive for switch MIL OFF) 0 = error Not present 1..2 = number cycle consecutive for switch MIL OFF	

DPDM | C212A-16 | Stored | System Voltage-Circuit Voltage Below Threshold

NAME	VALUE	UNITS
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
Occurrence flag	Error	
Original Odometer Value	21520	km
Most Recent Odometer Value	21520	km
Frequency Counter	3	
Ignition Cycle Counter	2	

DASM | C2129-16 | Stored | Battery Voltage-Circuit Voltage Below Threshold

NAME	VALUE	UNITS
DTC	61 29 16	
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
Occurrence flag	Occurrence	
Original Odometer Value	21520	km
Most Recent Odometer Value	21520	km

Frequency Counter	6	
Operation Cycle Counter	2	
Vehicle Speed	4	km/hr
Ignition Voltage	8.3	
System Voltage	8.7	Volts

DASM | C2225-00 | Active | PCM Disabled ECU-

NAME	VALUE	UNITS
DTC	62 25 00	
Test Failed	True	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
Occurrence flag	Error	
Original Odometer Value	21504	km
Most Recent Odometer Value	21520	km
Frequency Counter	7	
Operation Cycle Counter	0	
Vehicle Speed	47	km/hr
Ignition Voltage	11.1	
System Voltage	11.0	Volts

DASM | C2227-00 | Active | ABS Disabled ECU-

NAME	VALUE	UNITS
DTC	62 27 00	
Test Failed	True	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
Occurrence flag	Error	
Original Odometer Value	21520	km
Most Recent Odometer Value	21520	km
Frequency Counter	1	
Operation Cycle Counter	0	

Vehicle Speed	255	km/hr
Ignition Voltage	11.7	
System Voltage	11.6	Volts

DASM | C0063-9A | Active | Yaw Rate Sensor-Component or System Operating Conditions

NAME	VALUE	UNITS
DTC	40 63 9A	
Test Failed	True	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
Occurrence flag	Error	
Original Odometer Value	21520	km
Most Recent Odometer Value	21520	km
Frequency Counter	1	
Operation Cycle Counter	0	
Vehicle Speed	0	km/hr
Ignition Voltage	11.6	
System Voltage	11.6	Volts

DASM | U0415-00 | Active | Invalid Data Received from Anti-Lock Brake System (ABS) Control Module "A"-

NAME	VALUE	UNITS
DTC	C4 15 00	
Test Failed	True	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
Occurrence flag	Error	
Original Odometer Value	21520	km
Most Recent Odometer Value	21520	km
Frequency Counter	1	
Operation Cycle Counter	0	
Vehicle Speed	0	km/hr
Ignition Voltage	11.7	

System Voltage

11.6

Volts

DASM | C212A-84 | Stored | System Voltage-Signal Below Allowable Range

NAME	VALUE	UNITS
DTC	61 2A 84	
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
Occurrence flag	Occurrence	
Original Odometer Value	21520	km
Most Recent Odometer Value	21520	km
Frequency Counter	2	
Operation Cycle Counter	1	
Vehicle Speed	42	km/hr
Ignition Voltage	9.7	
System Voltage	9.7	Volts

IDCM | U3501-00 | Stored | Control Module Input Power "A" Circuit Low-

NAME	VALUE	UNITS
DTC	F5 01 00	
Test Failed	False	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number - All	01	
Occurrence flag	Error	
Original Odometer Value	0	km
Most Recent Odometer Value	0	km
Frequency Counter	1	
Ignition Cycle Counter	2	
APM High Voltage DC Current Set Point	7.0000	AMP
APM Low Voltage DC Current Set Point	100.0000	AMP
HCP Commanded APM Operating Mode	Idle	

APM High Voltage DC Voltage Set Point	300.0000	Volt
Low voltage battery voltage from HCP	5.4800	Volt
APM Low Voltage DC Voltage Set Point	14.69	Volt
APM Internal Mode	Not in Buck Mode	
APM Wake Up Status	No Wake Up	
APM Wake Up Reason	No Wake Up	
HV Contactor Status	Open	
HV Battery Voltage from BPCM	339.20	Volt
APM Estimated Power	0	Watt
APM HV side Current Feedback	0.1000	AMP
APM LV side Current Feedback	0.1000	AMP
APM Operation Mode Status Reported from APM	Idle	
APM HV Side Voltage Feedback	0.1250	Volt
APM LV Side Voltage Feedback	4.6900	Volt
APM Current Limit Mode	No	
APM Power Limit Mode	No	
APM HV Over V Status	No	
APM LV High I Status	No	
APM LV High V Status	No	
APM LV Low V Status	No	
CurrentFailSts_APM	No	
GenericFailSts_APM	No	
APM Derating Mode Status	No de-rating	
APM Derating Reason	Default (Normal Operation)	
APM Failure Mode Status	Failure Mode	
APM Failure Reason	Failure because of battery feed low/Failure 16	
APM Temp One	12	°C
APM Temp Cold Plate	25	°C
APM Temp Two	14	°C
APM Util Pct of DC/DC	0	%
APM Derating Power	0	Watt
APM Batt Feed Volt	5.7254	Volt
APM I DC HV Set P Feedback	7	AMP
APM LV I Set P Feedback	100.0000	AMP
APM HV V Set P Feedback	300.0000	Volt
APM V DC LV Set P Feedback	14.69	Volt
APM Input Power	0.00	Watt
APM Output Power	0.00	Watt
APM_CurrentOperTime	176	sec
APM_TotalOperTime	3066	Hours
DTC Extended Data Record Number - Record #2	00	
OBCM Status AC Present	AC Not OK	

AC Line Low	Not Valid	
AC Line High	Not Valid	
AC Side Current	0.00	Amps
AC Side Volt	0.0	Volts
HCP (EVCU) AC Current Max Cal	-32.00	Amps
HCP (EVCU) Voltage Request	0	Volts
HCP (EVCU) Current Request	0.00	AMP
Battery Not Detected	False	
Battery Voltage Under Min	Not Valid	
Battery Voltage Over Max	Not Valid	
Battery Side Current	0.20	Amps
Battery Side Voltage	0.0	Volts
OBCM Charge Current Available	0.00	AMP
BPCM HV Battery Contactor Open	True	
HV OC	False	
HV OV	False	
SBC Bus Off	False	
CANSIP Bus Off	True	
HCP (EVCU) HV Current Max Cal	29.50	Amps
HCP (EVCU) HV Volt Max Cal	408	Volt
HCP (EVCU) HV Volt Min Cal	274	Volt
OBCM Temperature 1	15	DegC
OBCM Temperature 2	13	DegC
OBCM Temperature 3	-39	DegC
OBCM Temperature 4	24	DegC
NTC1 OT	False	
NTC2 OT	False	
NTC3 OT	True	
NTC4 OT	False	
External OBCM Inlet Temperature (CAN)	25	DegC
J1772 ICA	0	AMP
J1772 S2 Close	Open	
J1772 Stat	State Not Programmed	
J1772 S2 Status	Open	
Control Pilot Amplitude	0.765	Volts
Control Pilot Duty Cycle	0.00	%
Control Pilot Frequency	No Signal	Hz
EVSE Pilot Stat	NO EVSE	
Prox Stat	Prox Out	
Prox Voltage	4.382	Volt
OBC Charge Time	0	sec
OBC Charge Tml	2621	hrs

OBC Idle Time	0	sec
OBC Idle Tml	3	hrs
Watt-Hours of AC Power	54715	W-Hrs
Watt Hours of Charge the HV Bus	5612	W-Hrs
OBCM Mode	UTC	
OBCM Charger Ready	Off	
OBCM WU Status	Off	
Charge Enable Status	Chrg Disable	
HCP (EVCU) Shutdown Command	EVCU Operational	
HCP (EVCU) Enable Charge Command	Charge disable	
HCP (EVCU) OBC Mode Request	Idle	
Generic Fail Sts	No Functional Fail Present	
Chrg Fail Sts	Faulted - Charging Inhibited	
OBCM Wake Up Reason	Master Wake Up	
OBC Control Mth	Current	
OBCM Deraing Reason	AC Voltage Limit Derating	
Close Chrgr Cntctr	Closed	
Chrgr Cntctr Stat	Open	
Chrg Mode	Charge Mode	
OBCM Fault Reason	12V Battery Fault	
EPT LOC Diag Enable	Enable LOC Diagnostic	
HCP Shutdown Command	No Shutdown	
HV Battey Contactor Open	True	
BPCM Request for HV Contactor	False	
HV Contactor Status	Open	
Ignition on Time for DTC	165	sec
Module A Primary - PFC Temperature	-1	DegC
Module A Primary - LLC Temperature	41	DegC
Module A Secondary - Buck Temperature	-40	DegC
Module A Secondary - Ambient Temperature	24	DegC
Module A Primary - AC Side Volt	0.0	Volts
Module A Primary - AC Side Current	-50.00	Amps
Module A Secondary - Battery Side Voltage	0.0	Volts
Module A Secondary - Battery Side Current	0.10	Amps
Module A Secondary - Buck Output Voltage	6.8	Volts
Module B Primary - PFC Temperature	-40	DegC
Module B Primary - LLC Temperature	-39	DegC
Module B Secondary - Buck Temperature	-40	DegC
Module B Secondary - Ambient Temperature	-40	DegC
Module B Primary - AC Side Volt	1.5	Volts
Module B Primary - AC Side Current	8200	Amps
Module B Secondary - Battery Side Voltage	0.0	Volts

Module B Secondary - Battery Side Current	0.00	Amps
Module B Secondary - Buck Output Voltage	0.0	Volts
OBCM - HV Over Voltage Protect	False	
OBCM - LV Aux Over Voltage Protect	False	
OBCM - LV Aux Under Voltage Protect	False	
OBCM - LLC Over Voltage Protect	False	
OBCM - LLC Under Voltage Protect	False	
OBCM - PFC Over Voltage Protect	False	
OBCM - PFC Under Voltage Protect	False	
OBCM - Battery 12V Under Voltage Protect	True	
OBCM - Battery 12V Over Voltage Protect	False	
OBCM - AC Under Voltage Protect	False	
OBCM - AC Over Voltage Protect	False	
OBCM - AC Over Current Protect	False	
OBCM - HV Voltage Over MaxCal Protect	False	
OBCM - HV Over Current Protect	False	
OBCM - Power Stage Over Voltage Protect	False	
OBCM - Internal Memory Fault	False	
OBCM - Over Temperature Protect	False	
OBCM - HCP Loss of Communication Protect	False	
OBCM - CAN Bus Off	False	
OBCM - Pilot Duty Fault	False	
OBCM - Loss BPCM Communication Protect	False	
OBCM - Prox Range To Low	False	
OBCM - Prox Range To High	False	
OBCM - HV Voltage Under MinCal Protect	False	
OBCM - SPI Communication Fault	False	
OBCM - WakeUp Output Stuck Low	False	
OBCM - Pilot Short To Battery	False	
OBCM - WakeUp Output Stuck High	False	
OBCM - ORC Loss of Communication	False	
OBCM - HV Battery Not Contact	False	
OBCM - Loss Communication Protect	False	
OBCM - Receive HV Battery Contact Open From BPCM	False	
OBCM - Secondary Aux Over Voltage Protect	False	
OBCM - Secondary Aux Under Voltage Protect	False	
OBCM - Primary Aux Over Voltage Protect	False	
OBCM - Primary Aux Under Voltage Protect	False	
OBCM - Stuck Shutdown	False	
OBCM - Cycle Shutdown	False	
OBCM - HV Under Voltage Protect	False	
OBCM - Vehicle Impact	False	

OBCM - ARC/CRC Fault	False	
OBCM - AC Contact Welded Fault	False	
Control Pilot Open fault	False	
Prox open fault	False	
OBCM - Internal S2 Switch Low Fault	False	
OBCM - Internal S2 Switch High Fault	False	
OBCM - Pilot Range Fault	False	
OBCM - Prox Range Fault	False	
force shutdown fault	False	
pilot signal wake up issue because of EVSE	False	
HCP stuck low fault	False	
HCP stuck High fault	False	
Plant mode flag	False	
Retry fault flag	False	
Loss SBC communication (SPI)	False	
pilot input short to battery fault in Driver mode detecting	False	
pilot input short to ground fault	False	
pilot short to ground fault in driver mode detecting	False	
Charging ready line open fault	False	
Pilot frequency range fault	False	
OBCM - Internal S2 Switch High Fault in Driver mode detecting	False	
Module A Primary - AC Under Voltage Protect	False	
Module A Primary - PFC Power Limit	False	
Module A Primary - PFC Enable States	False	
Module A Primary - LLC Enable States	False	
Module A Primary - PFC Under Voltage Protect	False	
Module A Primary - PFC Over Voltage Protect	False	
Module A Primary - Over Temperature Protect	False	
Module A Primary - Hot Warning	False	
Module A Primary - AC Present	False	
Module A Primary - PFC Over Temperature Protect	False	
Module A Primary - LLC Over Temperature Protect	False	
Module A Primary - PFC Hot Warning	False	
Module A Primary - LLC Hot Warning	False	
Module A Primary - AC Over Voltage Protect	False	
Module A Primary - Relay Enable States	False	
Module A Primary - Aux Over Voltage Protect	False	
Module A Primary - Aux Under Voltage Protect	False	
Module A Primary - Secondary Micro Enable Command	False	
Module A Primary - AC Vin Lost	False	
Module A Primary - Loss Communication Protect	False	
Module A Primary - Standby Mode	False	

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

Module B Primary - Over Temperature Protect	False	
Module B Primary - Hot Warning	False	
Module B Primary - AC Present	False	
Module B Primary - PFC Over Temperature Protect	False	
Module B Primary - LLC Over Temperature Protect	False	
Module B Primary - PFC Hot Warning	False	
Module B Primary - AC Over Voltage Protect	False	
Module B Primary - LLC Hot Warning	False	
Module B Primary - Relay Enable States	False	
Module B Primary - Aux Over Voltage Protect	False	
Module B Primary - Aux Under Voltage Protect	False	
Module B Primary - Secondary Micro Enable Command	False	
Module B Primary - AC Vin Lost	False	
Module B Primary - Loss Communication Protect	False	
Module B Primary - Standby Mode	False	
Module B Primary - Operate Mode	False	
Module B Primary - Shutdown Mode	False	
Module B Secondary - Aux Enable States	False	
Module B Secondary - HV Enable States	False	
Module B Secondary - LLC Under Voltage Protect	False	
Module B Secondary - LLC Over Voltage Protect	False	
Module B Secondary - HV Over Voltage Protect	False	
Module B Secondary - HV Over Current Protect	False	
Module B Secondary - Over Temperature Protect	False	
Module B Secondary - Hot Warning	False	
Module B Secondary - HV Over Temperature Protect	False	
Module B Secondary - Ambient Over Temperature Protect	False	
Module B Secondary - HV Hot Warning	False	
Module B Secondary - Ambient Hot Warning	False	
Module B Secondary - Aux Over Voltage Protect	False	
Module B Secondary - Aux Under Voltage Protect	False	
Module B Secondary - Loss Primary Communication Protect	False	
Module B Secondary - LV Micro Enable Command	False	
Module B Secondary - Loss LV Communication Protect	False	
Module B Secondary - Primary Turn On States	False	
Module B Secondary - Primary Shutdown States	False	
Module B Secondary - HV Under Voltage Protect	False	
Module B Secondary - Standby Mode	False	
Module B Secondary - Operate Mode	False	
Module B Secondary - Shutdown Mode	False	
Module B Secondary - LV Micro Disable Command	False	
Module B Secondary - PFC High Temperature Derating	False	

Module B Secondary - PFC Low Temperature Derating	False	
Module B Secondary - LLC High Temperature Derating	False	
Module B Secondary - LLC Low Temperature Derating	False	
Module B Secondary - HV High Temperature Derating	False	
Module B Secondary - HV Low Temperature Derating	False	
Module B Secondary - Ambient High Temperature Derating	False	
Module B Secondary - Ambient Low Temperature Derating	False	
Module B Secondary - AC Input Voltage Derating	False	
Module B Secondary - HV Output Voltage Derating	False	
SBC State_DF00	02	
SBC State_DF80	84	
SBC State_E100	03	
SBC State_E180	02	
SBC State_E300	11	
SBC State_E500	00	
SBC State_E580	04	
GPS Date - Year	59399	Year
GPS Date - Month	11	
GPS Date - Day	20	Days
UTC Time - Hours	14	Hours
UTC Time - Minutes	17	
UTC Time - Seconds	0	seconds
ECU Time - Milliseconds	530	ms

SNAPSHOT DATA SUMMARY

No Snapshot Data available for U1267-00

No Snapshot Data available for U1412-00

No Snapshot Data available for U0415-00

No Snapshot Data available for U0400-00

No Snapshot Data available for P0B09-00

No Snapshot Data available for U140C

No Snapshot Data available for U140B

No Snapshot Data available for U140A

No Snapshot Data available for U1409

No Snapshot Data available for C2129-16

No Snapshot Data available for C212A-16

No Snapshot Data available for U0415-00

No Snapshot Data available for B210A-00

No Snapshot Data available for B210D-00

No Snapshot Data available for B21DD-84

No Snapshot Data available for B2199-16

No Snapshot Data available for P1C8B-16

No Snapshot Data available for P1C8C-16

No Snapshot Data available for U0415-00

No Snapshot Data available for C2129-16

No Snapshot Data available for U0415-00

No Snapshot Data available for C212A-16

No Snapshot Data available for U0422-00

No Snapshot Data available for B2199-16

No Snapshot Data available for B21DD-84

No Snapshot Data available for B2199-16

No Snapshot Data available for B11C1-13

No Snapshot Data available for B21DD-84

No Snapshot Data available for U0011-00

No Snapshot Data available for B2590-16

No Snapshot Data available for B2199-16

No Snapshot Data available for B21DD-84

No Snapshot Data available for B21DD-84

No Snapshot Data available for B21DD-84

No Snapshot Data available for U0415-00

No Snapshot Data available for B21DD-16

No Snapshot Data available for B210C-16

No Snapshot Data available for C212A-16

No Snapshot Data available for U151E-00

No Snapshot Data available for B2199-16

No Snapshot Data available for B210A-16

No Snapshot Data available for C212A-16

No Snapshot Data available for B21DD-84

No Snapshot Data available for B2199-16

No Snapshot Data available for U0422-00

No Snapshot Data available for B21DD-84

No Snapshot Data available for B2199-16



No Snapshot Data available for U0422-00

No Snapshot Data available for P0B10-00

No Snapshot Data available for P1A0C-00

No Snapshot Data available for P0562-00

No Snapshot Data available for U064A-00

No Snapshot Data available for U0293-00

No Snapshot Data available for P2534-00

No Snapshot Data available for P2537-00

No Snapshot Data available for B12B4-00

No Snapshot Data available for P0562-00

No Snapshot Data available for U0415-00

No Snapshot Data available for U3501-00

No Snapshot Data available for C2100-00

No Snapshot Data available for C2102-00

No Snapshot Data available for U3006-00

No Snapshot Data available for U3007-00

No Snapshot Data available for C221F-00

SGW | B2199-16 | Stored | Battery Voltage-Circuit Voltage Below Threshold

Record 0

NAME	VALUE	UNITS
TestFailed	False	
TestFailedThisMonitoringCycle	False	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed This Monitoring Cycle	False	
Warning Indicator Requested	False	
DTC Snapshot Record Number	Record #1	
DTC Snapshot Record Number Of Identifiers	5	
Key On Counter	1902	
DTC Failure Type Byte	2F	
Battery Voltage (+30)	8.90	V

Record 1

NAME	VALUE	UNITS
TestFailed	False	
TestFailedThisMonitoringCycle	False	
Pending DTC	True	

Confirmed DTC	True	
Test Not Completed This Monitoring Cycle	False	
Warning Indicator Requested	False	
DTC Snapshot Record Number	Record #2	
DTC Snapshot Record Number Of Identifiers	5	
Key On Counter	1909	
DTC Failure Type Byte	2F	
Battery Voltage (+30)	8.90	V

No Snapshot Data available for C212A-16

No Snapshot Data available for C2129-16

No Snapshot Data available for C2225-00

No Snapshot Data available for C2227-00

No Snapshot Data available for C0063-9A

No Snapshot Data available for U0415-00

No Snapshot Data available for C212A-84

No Snapshot Data available for U3501-00

