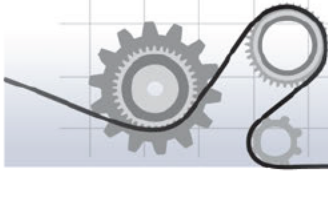


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WI
TECH 2.0

CONFIGURATION REPORT

Vehicle 2023 JEEP WRANGLER 2.0L I4 DOHC DI TURBO PHEV ENGINE
VIN [REDACTED]

Odometer 792.1 miles
Publication Date May 16, 2023, 3:39:49 PM

ECU SUMMARY INFO

ECU	NAME	BUS TYPE	FLASH PART #	CURRENT VIN	ORIGINAL VIN	PART #
TCM	Transmission Control Module	CAN-C	68620361AB	[REDACTED]	[REDACTED]	68620361AB
PCM	Powertrain Control Module	CAN-C	68614847AC			68614847AC
ICS	Integrated Center Stack	CAN-I	6SX97DX9AE			6SX97DX9AE
RFH	Radio Frequency Hub	CAN-C	56029924AB			56029924AB
ESM	Electronic Shifter	CAN-C	68620948AA			68620948AA
DTCM	Drive Train Control Module	CAN-C	68611937AA			68611937AA
ORC	Occupant Restraint	CAN-C	68526670AB			68526670AB
EPS	Electric Power Steering	CAN-C	68529427AD			68529427AD
HVAC	Heat, Ventilation and A/C	CAN-I	52080486AB			52080486AB
AMP	Amplifier	CAN-I	68549084AC			68549084AC
IPC	Instrument Panel Cluster	CAN-C	68525023AD			68525023AD
SCCM	Steering Column Control Module	CAN-C	68599297AA			68599297AA
BCM	Body Controller	CAN-C	68525356AC			68525356AC
RADIO	Radio	CAN-I	68615156AB			68615156AB
OCM	Occupant Classification	CAN-C	68582577AB			68582577AB
BPCM	Battery Pack Control Module	CAN-C	05193168AJ			05193168AJ
HCP	Hybrid Control Processor	CAN-C	68614244AC			68614244AC
CVPM	Central vision processing module	CAN-I	68551941AA			68551941AA
AHCP	Auxiliary Hybrid Control Processor	CAN-C	68614243AC			68614243AC
ABSO	Anti Lock Brakes OBD	CAN-C	68596542AB			68596542AB

Pag					
SGW	Security Gateway Module	CAN-C	68532299AB		68532299AB
DPDM	Driver Presence Detection Module	CAN-C	68582578AB		68582578AB
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	16 1C 00	4700		4AB842E6
PCM	USA	1D 47	21 22 00	4928		0443072B
ICS	USA	10 1E 00	14 33 00	4802		
RFH	USA / USA	10 17 00	15 1D 00	4604		
ESM	USA	15 18 00	12 2A 00	4322		
DTCM	USA	11 22 00	16 1F 01	4501		
ORC	USA	14 0B 00	14 12 01	4501		
EPS	USA	10 13 00	16 0B DC	4005		
HVAC	USA	13 20 00	15 01 01	4420		
AMP	USA	21 01 01	15 29 00	4034		
IPC	USA	21 2C 00	16 19 01	4805		
SCCM	USA	13 28 00	13 29 00	4301		
BCM	USA	0D 11 00	15 21 50	4630		
RADIO	USA	16 22 11	16 22 11	8205		
OCM	USA	15 17 01	16 13 02	4151		
BPCM	Rest of world / ROW	13 0C 04	16 0F 43	5701		30E9B2D7
HCP	USA	16 09 06	16 2A 01	5403		665178C3 8D7568A3 4B0D83D8
CVPM	USA	11 27 01	15 09 00	4012		
AHCP	USA	16 09 06	14 33 01	5600		
ABSO	USA	16 15 00	16 18 03	4300		487C0506
SGW		6	1125	4103		
DPDM	USA	15 18 01	16 13 02	4600		
IDCM	USA	15 0E 00		4000		

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	True	
Adaptive Cruise Control Equipped	False	
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	Undefined	
CMCV H-Bridge Equipped	Undefined	
Turbine Volute Valve Actuator Equipped	Undefined	
Wastegate H-Bridge Equipped	01	
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	Undefined	
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	False	
\$0214 Programmed by	Programmed by FCA manufacturing	
Hardware Configuration: Remote Start Antenna	Not 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	No	
Fob Location #4 Successfully Programmed	No	
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	False	
Rear Locker Present	False	
FAD Present	True	
Mode Switch Present	True	
Left/Right Hand Drive	Left Hand Drive	
Axle Ratio	3.730	
T-Case Type	MPT 3025C	
SRT Present	No	

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

SCCM CONFIGURATION

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

BCM CONFIGURATION

NAME	VALUE	UNITS
RBSM	Not Set	
LBSM	Not Set	
BCM (Interior Bus)	Set	
HSM	Not Set	
HVAC	Set	
PTCM	Not 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	Not Set	
SCCM	Set	
ELSD	Not Set	
TCM	Set	
TPM	Not Set	
AFLS	Not Set	
ITBM	Not Set	
OCM	Set	
DPDM	Set	

SGW	Set	
ASBS	Not Set	
ANC	Not Set	
Number of Reprogramming Attempts - Counter #0	0	
Vehicle Configuration Programmed Status	True	
Last Programmed Status	Manufacturing	
Last Configuration Odometer	0	miles
Vehicle Configuration Auto Write Counter	1	
Vehicle Configuration 1 - Write Counter	2	
Vehicle Configuration 2 - Write Counter	2	
Vehicle Configuration 3 - Write Counter	4	
Vehicle Configuration 4 - Write Counter	2	
Vehicle Configuration 5 - Write Counter	2	
Vehicle Configuration 6 - Write Counter	2	
Programmed ECUs: Cabin Network	2	
Programmed ECUs: P/T Chassis Network	2	
Programmed Network Configuration - Audio / Telematics Network	2	
Programmed ECUs: Hybrid LAN Network	2	
ECU Configuration 1 (CBC Configurable Inputs and Outputs)	2	
ECU Configuration 2 (CBC Features)	2	
ECU Configuration 3	2	
ECU Configuration 4	2	
ECU Configuration 5 (Wireless)	2	
ECU Configuration 5 (Doors)	2	
ECU Configuration 5 (Memory)	2	
ECU Configuration 6 (Brake)	2	
ECU Configuration 6 (Suspension)	2	
ECU Configuration 6 (Powertrain)	2	
ECU Configuration 6 (Safety)	2	
ECU Configuration 7 (CBC Exterior Lighting Calibrations)	2	
ECU Configuration 8 (LIN and Miscellaneous)	2	
ECU Configuration 9A	2	
ECU Configuration 9 (ITM)	2	
ECU Configuration 10	2	
ECU Configuration 11	2	
ECU Configuration 12	2	
ECU Configuration 13	2	
ECU Configuration 14	2	
ECU Configuration 15 (CBC Features)	2	
ECU Configuration 15 (Suspension)	2	
Vehicle Configuration 7 - Write Counter	2	
Vehicle Config CSM1	2	
Vehicle Config CSM2	2	
Model Year	2023	

Vehicle Line	JL	
Country Code	USA	
Left/Right Hand Drive	Left Hand Drive	
Remote Start Present	Not Set	
Drive Configuration	Selectable 4wd	
Emode Present	Not Set	
Auto Highbeam	Not Set	
Body Style	4-Door Hatchback	
Maximum Vehicle Speed	99	MPH
Shifter Type	5 Pos Polystable Eshifter / Type PS5	
Performance Pages Present	Not Present	
Special Packages	Default	
PTS Configuration	Semi Automatic / Semi Automatic	
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	Set	
Flipper Glass Present	Not Set	
Full Size Spare	Set	
Off Road Capable	Not Set	
Special Packages	Wrangler Sahara	
Max Load Inflation Pressure Rear Tire	36.0	PSI
Max Load Inflation Pressure Front Tire	36.0	PSI
Light Load Inflation Pressure Rear Tire	0.0	PSI
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	17	gallons
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 88	
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	Not Set	
Forward Collision Warning present	Not 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	3.730	
Transfer Case Low Range Reduction Ratio	2.720	
Dynamic Tire Circumference (All or Rear)	97	inch
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	Not 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	Not 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	Not 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	Not Set	
Power Inverter Present	Set	
Front Park Assist Present	Not Set	
Front Heated Seats Present	Not 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	Not Set	
VIN Check Digit Diabie	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	Not Present	
Heated Seat Material Type	Default	
Heated Wheel Material Type	Wood/Leather	
Rear Vented Seats Present	Not Present	
Front Heated Seat Present	Not 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	Not Set	
Humidity Sensor Present	Not Set	
Manual Trans Present	Not Set	
DC to DC Converter Present	Not Set	
ASBM Present	Not 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	None	
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	No Axle Locker / NONE	
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	Not Set	
Electric power steering customer settings menu	Not Set	
Forward collision warning customer settings menu	Feature not present / Absent	
Auto on driver comfort customer settings menu	Feature not present / Absent	
Auxiliary switches customer settings menu	Feature not present / Absent	
Rear view camera gridlines customer settings menu	Feature not present / Absent	
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	Not Set	
Auto park customer settings menu	Not Set	
Blind spot alert customer settings menu	Not 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	Not 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	Tachometer Type 1 / Type 1	
DTV Present	Not Set	
Tri-State Comfort Climate Softkey Function Present	Not Set	

RADIO CONFIGURATION

NAME	VALUE	UNITS
Satellite Subscription ID	U16MGE4W	
Satellite Subscription Status	Subscribed	

Satellite Subscription Reason Code	00	
Satellite Subscription Suspend Day	01	
Satellite Subscription Suspend Month	01	
Satellite Subscription Suspend Year	46	
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	—	

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 88	
Axle Ratio	3.726	No Unit
Tire Circumference	97	inch



VEHICLE SCAN REPORT

Vehicle 2023 JEEP WRANGLER 2.0L I4 DOHC DI TURBO PHEV ENGINE
VIN [REDACTED]

Odometer 792.1 miles
Publication Date May 16, 2023, 3:39:39 PM

ECU SUMMARY INFO

ECU	NAME	BUS TYPE	FLASH PART #	CURRENT VIN	ORIGINAL VIN	PART #
TCM	Transmission Control Module	CAN-C	68620361AB	[REDACTED]	[REDACTED]	68620361AB
PCM	Powertrain Control Module	CAN-C	68614847AC			68614847AC
ICS	Integrated Center Stack	CAN-I	6SX97DX9AE			6SX97DX9AE
RFH	Radio Frequency Hub	CAN-C	56029924AB			56029924AB
ESM	Electronic Shifter	CAN-C	68620948AA			68620948AA
DTCM	Drive Train Control Module	CAN-C	68611937AA			68611937AA
ORC	Occupant Restraint	CAN-C	68526670AB			68526670AB
EPS	Electric Power Steering	CAN-C	68529427AD			68529427AD
HVAC	Heat, Ventilation and A/C	CAN-I	52080486AB			52080486AB
AMP	Amplifier	CAN-I	68549084AC			68549084AC
IPC	Instrument Panel Cluster	CAN-C	68525023AD			68525023AD
SCCM	Steering Column Control Module	CAN-C	68599297AA			68599297AA
BCM	Body Controller	CAN-C	68525356AC			68525356AC
RADIO	Radio	CAN-I	68615156AB			68615156AB
OCM	Occupant Classification	CAN-C	68582577AB			68582577AB
BPCM	Battery Pack Control Module	CAN-C	05193168AJ			05193168AJ
HCP	Hybrid Control Processor	CAN-C	68614244AC			68614244AC
CVPM	Central vision processing module	CAN-I	68551941AA			68551941AA
AHCP	Auxiliary Hybrid Control Processor	CAN-C	68614243AC			68614243AC
ABSO	Anti Lock Brakes OBD	CAN-C	68596542AB			68596542AB

SGW	Security Gateway Module	CAN-C	68532299AB		68532299AB
DPDM	Driver Presence Detection Module	CAN-C	68582578AB		68582578AB
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	16 1C 00	4700		4AB842E6
PCM	USA	1D 47	21 22 00	4928		0443072B
ICS	USA	10 1E 00	14 33 00	4802		
RFH	USA / USA	10 17 00	15 1D 00	4604		
ESM	USA	15 18 00	12 2A 00	4322		
DTCM	USA	11 22 00	16 1F 01	4501		
ORC	USA	14 0B 00	14 12 01	4501		
EPS	USA	10 13 00	16 0B DC	4005		
HVAC	USA	13 20 00	15 01 01	4420		
AMP	USA	21 01 01	15 29 00	4034		
IPC	USA	21 2C 00	16 19 01	4805		
SCCM	USA	13 28 00	13 29 00	4301		
BCM	USA	0D 11 00	15 21 50	4630		
RADIO	USA	16 22 11	16 22 11	8205		
OCM	USA	15 17 01	16 13 02	4151		
BPCM	Rest of world / ROW	13 0C 04	16 0F 43	5701		30E9B2D7
HCP	USA	16 09 06	16 2A 01	5403		665178C3 8D7568A3 4B0D83D8
CVPM	USA	11 27 01	15 09 00	4012		
AHCP	USA	16 09 06	14 33 01	5600		
ABSO	USA	16 15 00	16 18 03	4300		487C0506
SGW		6	1125	4103		
DPDM	USA	15 18 01	16 13 02	4600		
IDCM	USA	15 0E 00		4000		

DTC SUMMARY

ECU	DTC CODE	DTC DESCRIPTION	STATUS
RADIO	U0002-00	CAN C Bus Off Performance-	Stored
HCP	P0A3F-00	Drive Motor A Position Sensor 1 Circuit-	Stored
HCP	P0A92-00	Hybrid Generator Performance-	Active
HCP	P0C19-00	Drive Motor A Torque Delivered Performance-	Stored
HCP	P1B03-00	Resolver Signal / MCPA Rationality-	Stored
HCP	P1C65-00	Hybrid Perf - Engine Speed Target Not Achieved During Autostart-	Active

ENVIRONMENTAL DATA SUMMARY



RADIO | U0002-00 | Stored | CAN C Bus Off Performance-

NAME	VALUE	UNITS
DTCTable	C0 02 00	
TestFailed	False	
TestFailedThisMonitoringCycle	False	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed This Monitoring Cycle	False	
Warning Indicator Requested	False	
DTCExtendedDataRecordNumber	FF	
Occurance Flag	Occurrence	
Reserved	Reserved	
Original Odometer Value	775	miles
Most Recent Odometer Value	775	miles
Frequency Counter	1	
Ignition Counter	1	
RDI \$6080	60 80	
Event Counter	63	

HCP | P0A3F-00 | Stored | Drive Motor A Position Sensor 1 Circuit-

NAME	VALUE	UNITS
DTC	0A 3F 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	10	
Occurrence flag	Occurrence	
Original Odometer Value	776.0	miles
Most Recent Odometer Value	792.1	miles
Frequency Counter	169	
Ignition Cycle Counter	0	
Microcontroller reset reason - Core 0	Power Up	
Microcontroller reset reason - Core 1	Power Up	
Real time clock	951921600	sec
RAM stamps keyOn	165	sec
RAM Stamps	5718	Min
Accelerator Pedal Position	0	%
Engine Coolant Temperature	187	°F
Engine Speed	0	rpm

Vehicle Speed	0.0000	MPH
HV Battery SOC	16	%
Brake Switch Status	Not Applied	
Battery Feed Voltage 1 Sense	12.816	Volts
Battery Feed Voltage 2 Sense	12.816	Volts
Battery Feed Voltage 3 Sense	12.888	Volts
Internal EPS Voltage Sense A	8.856	Volts
Internal EPS Voltage Sense B	8.856	Volts
Hybrid System State	SNA	
Outside Air Temperature	92.3	°F
Ignition State	Ignition Lock	
Propulsion System Active	False	
HV Contactor Status	Closed	
APM Status	Off	
Impact Event	False	
PRND Position Display	P	
Distance Travelled with Light ON	16	miles
HV Battery Sleep Time	0	Days
eMotor A Shutdown History [0]	486-RESERVED	
eMotor A Shutdown History [1]	0-NO_FAULT	
eMotor A Shutdown History [2]	0-NO_FAULT	
eMotor A Fault History [0]	486-RESERVED	
eMotor A Fault History [1]	6-Position Signal Loss	
eMotor A Fault History [2]	0-NO_FAULT	
eMotor A Fault History [3]	0-NO_FAULT	
eMotor A Fault History [4]	0-NO_FAULT	
eMotor A Fault History [5]	0-NO_FAULT	
eMotor B Shutdown History [0]	0-NO_FAULT	
eMotor B Shutdown History [1]	0-NO_FAULT	
eMotor B Shutdown History [2]	0-NO_FAULT	
eMotor B Fault History [0]	0-NO_FAULT	
eMotor B Fault History [1]	0-NO_FAULT	
eMotor B Fault History [2]	0-NO_FAULT	
eMotor B Fault History [3]	0-NO_FAULT	
eMotor B Fault History [4]	0-NO_FAULT	
eMotor B Fault History [5]	0-NO_FAULT	
eMotor A FA Speed or Position Fault Active	False	
eMotor A FA Motor Temperature Fault Active	False	
eMotor A FA inverter Temperature A Fault Active	False	
eMotor A FA inverter Temperature B Fault Active	False	
eMotor A FA inverter Temperature C Fault Active	False	
eMotor A FA DC Current Fault Active	False	
eMotor A FA DC Voltage Fault Active	False	
eMotor A FA Acceleration Fault Active	False	

eMotor A FA Rotor Temperature Fault Active	False	
eMotor A FA Capacitor Temperature Fault active	False	
eMotor A FA Current Sensor A Fault Active	False	
eMotor A FA Current Sensor B Fault Active	False	
eMotor A FA Current Sensor C Fault Active	False	
eMotor A FA Postion Sensor Fault Active	False	
eMotor A FA DC Voltage Out of Range Fault Active	False	
eMotor A FA Reserved	Undefined	
eMotor B FA Speed or Position Fault Active	False	
eMotor B FA Motor Temperature Fault Active	False	
eMotor B FA Inverter Temperature A Fault Active	False	
eMotor B FA Inverter Temperature B Fault Active	False	
eMotor B FA Inverter Temperature C Fault Active	False	
eMotor B FA HV input Current Fault Active	False	
eMotor B FA HV Input Voltage Fault Active	False	
eMotor B FA Acceleration Fault Active	False	
eMotor B FA Rotor Temperature Fault Active	False	
eMotor B FA Capacitor Temperature Fault Active	False	
eMotor B FA Current Sensor A Fault Active	False	
eMotor B FA Current Sensor B Fault Active	False	
eMotor B FA Current Sensor C Fault Active	False	
eMotor B FA Position Sensor Fault Active	False	
eMotor B FA DC Voltage Out of Range Fault Active	False	
eMotor B FA Reserved	Undefined	
eMotor A Current Ia Max	1.15	A
eMotor A Current Ia Min	-0.90	A
eMotor A Current Ib Max	1.25	A
eMotor A Current Ib Min	-0.75	A
eMotor A Current Ic Max	1.05	A
eMotor A Current Ic Min	-0.95	A
eMotor A Current Id Max	0.80	A
eMotor A Current Id Min	-0.85	A
eMotor A Current Iq Max	0.75	A
eMotor A Current Iq Min	-1.00	A
eMotor A Current Sum Max	2.00	A
eMotor A Current Sum Min	-1.95	A
eMotor A HV Input voltage Max	337.52	Volts
eMotor A HV Input voltage Min	336.94	Volts
eMotor A speed max mrads	61.8125	rad/s
eMotor A speed min mrads	-32.0625	rad/s
eMotor B Current Ia Max	1.50	A
eMotor B Current Ia Min	-0.95	A
eMotor B Current Ib Max	1.45	A
eMotor B Current Ib Min	-1.50	A

eMotor B Current Ic Max	1.30	A
eMotor B Current Ic Min	-1.30	A
eMotor B Current Id Max	0.10	A
eMotor B Current Id Min	-0.15	A
eMotor B Current Iq Max	0.15	A
eMotor B Current Iq Min	-0.15	A
eMotor B current Sum Max	3.25	A
eMotor B current sum Min	-2.20	A
eMotor B HV Input Voltage Max	337.70	Volts
eMotor B HV Input Voltage Min	337.08	Volts
eMotor B speed Max mrads	66.5000	rad/s
eMotor B speed Min mrads	59.5000	rad/s
eMotor A Current Ia Offset	0.30	A
eMotor A Current Ib Offset	-0.15	A
eMotor A Current Ic Offset	-0.75	A
eMotor B Current Ia Offset	0.30	A
eMotor B Current Ib Offset	-0.15	A
eMotor B Current Ic Offset	-0.75	A
eMotor A HV Battery Voltages	336.80	Volts
eMotor A HV input Voltages	337.52	Volts
eMotor B HV Battery Voltages	336.80	Volts
eMotor B HV input Voltages	337.38	Volts
eMotor A Motoring Torque Limit	35.97	Ft-Lbs
eMotor A Regenerative Torque Limit	-35.97	Ft-Lbs
eMotor B Motoring Torque Limit	179.75	Ft-Lbs
eMotor B Regenerative Torque Limit	-179.90	Ft-Lbs
eMotor A Torque command	0.00	Ft-Lbs
eMotor A Torque achieved	0.00	Ft-Lbs
eMotor A speed RPM	1	rpm
eMotor B Torque command	0.00	Ft-Lbs
eMotor B Torque achieved	0.00	Ft-Lbs
eMotor B Speed RPM	587	rpm
eMotor A Temperature Stator	172	°F
eMotor A Temperature Inverter Model	32	°F
eMotor A Temperature Inverter 0	106	°F
eMotor A Temperature Inverter 1	104	°F
eMotor A Temperature Inverter 2	104	°F
eMotor A Temperature Coolant Inlet	32	°F
eMotor A Temperature Coolant Outlet	32	°F
eMotor A Temperature PCB	32	°F
eMotor A Temperature Rotor	32	°F
eMotor A OS Runtime Seconds	166	sec
eMotor B OS Runtime Seconds	166	sec
eMotor B Temperature Stator	131	°F

eMotor B Temperature Inverter Model	32	°F
eMotor B Temperature Inverter 0	109	°F
eMotor B Temperature Inverter 1	106	°F
eMotor B Temperature Inverter 2	108	°F
eMotor B Temperature coolant Inlet	32	°F
eMotor B Temperature coolant outlet	32	°F
eMotor B Temperature PCB	32	°F
eMotor B Temperature Rotor	32	°F
eMotor A Lifetime Over Current w/o Over Voltage Events	0	
eMotor A Lifetime Over Current Events	0	
eMotor A Lifetime Over Voltage Events	0	
eMotor A Lifetime Max Voltage	401.74	Volts
eMotor A Lifetime Max Phase Current	931.70	A
eMotor A Lifetime General Retry Events	57	
eMotor A Key Cycle Max Voltage	341.46	Volts
eMotor A Key Cycle Max phase Current	406.00	A
eMotor A Key Cycle General Retry Events	29	
eMotor B Lifetime Over Current w/o Over Voltage Events	0	
eMotor B Lifetime Over Current Events	0	
eMotor B Lifetime Over Voltage Events	0	
eMotor B Lifetime Max Voltage	401.52	Volts
eMotor B Lifetime Max Phase Current	696.90	A
eMotor B Lifetime General retry Events	0	
eMotor B key Cycle max Voltage	341.32	Volts
eMotor B key Cycle max Phase Current	295.50	A
eMotor B key Cycle General Retry Events	0	
eMotor A MTMR Fault Word	00 00 00	
eMotor B MTMR Fault Word	00 00 00	
GPS Date - Year	59143	Year
GPS Date - Month	5	
GPS Date - Day	16	Days
UTC Time - Hours	19	Hours
UTC Time - Minutes	27	
UTC Time - Seconds	0	seconds
ECU Time - Milliseconds	576	ms

HCP | POA92-00 | Active | Hybrid Generator Performance-

NAME	VALUE	UNITS
DTC	0A 92 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	776.0	miles
Most Recent Odometer Value	776.0	miles
Frequency Counter	2	
Ignition Cycle Counter	0	
Microcontroller reset reason - Core 0	Power Up	
Microcontroller reset reason - Core 1	Power Up	
Real time clock	951902720	sec
RAM stamps keyOn	1920	sec
RAM Stamps	5611	Min
Accelerator Pedal Position	0	%
Barometric Pressure	15	PSI
Engine Coolant Temperature	196	°F
Engine Speed	1163	rpm
Vehicle Speed	0.0000	MPH
HV Battery SOC	16	%
Brake Switch Status	Not Applied	
Battery Feed Voltage 1 Sense	13.824	Volts
Battery Feed Voltage 2 Sense	13.824	Volts
Battery Feed Voltage 3 Sense	13.896	Volts
Internal EPS Voltage Sense A	8.928	Volts
Internal EPS Voltage Sense B	8.928	Volts
Hybrid System State	Propulsion System Active	
Actual Torque - Motor A	0.000	Ft-Lbs
Actual Torque - Motor B	-10.785	Ft-Lbs
Available Motor Torque - Motor A	39.086	Ft-Lbs
Available Motor Torque - Motor B	180.033	Ft-Lbs
Available Regen Torque - Motor A	-39.086	Ft-Lbs
Available Regen Torque - Motor B	-180.310	Ft-Lbs
Commanded Torque - Motor A	0.000	Ft-Lbs
Commanded Torque - Motor B	-11.062	Ft-Lbs
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	-8	AMP
Motor B - Inverter Current - phase B	16	AMP
Motor B - Inverter Current - phase C	-16	AMP
Motor A Resolver Angle	20	Degree
Motor B Resolver Angle	Not Programmed	Degree
Motor A Temp Sensor	178	°F

Motor B Temp Sensor	167	°F
Outside Air Temperature	64.4	°F
Ignition State	Reserved	
HCP ePT Wake-Up Output	Off	
CBC Wake-Up Input	Off	
EPT LOC Diag Enable	Enable LOC Diagnostic	
Propulsion System Active	True	
HV Contactor Status	Closed	
HV Battery Voltage from BPCM	337.50	Volts
Electric Motor A Speed	-41.0	rpm
Electric Motor B Speed	1165.5	rpm
PIM DC Link Voltage - A	338	Volts
PIM DC Link Voltage - B	337	Volts
Inverter A IGBT Temperature for phase A	122	°F
Inverter A IGBT Temperature for phase B	122	°F
Inverter A IGBT Temperature for phase C	122	°F
Inverter B IGBT Temperature for phase A	135	°F
Inverter B IGBT Temperature for phase B	127	°F
Inverter B IGBT Temperature for phase C	127	°F
APM Status	Buck CV	
Impact Event	False	
PRND Position Display	P	
HCP System Shutdown Command	Default	
PHEV Charging Status	No Charging	
Distance Travelled with Light ON	0	miles
OBCM Operating Mode	UTC	
J1772 Prox Detected State	Prox Out	
HV Battery Sleep Time	0	Days
SW Build Release Version	PIM_20B_2208A0_P1P2_HCP_	
HCP SW Version	20B	
High Voltage bus voltage fault status	No fault	
HV Battery Voltage	337	Volts
HV Battery Voltage fault status	No fault	
APM HV Voltage	336	Volts
APM HV Voltage fault status	No fault	
ECH HV Voltage	337	Volts
ECH HV Voltage fault status	No fault	
EAC HV Voltage	336	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	335	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	59143	Year
GPS Date - Month	5	
GPS Date - Day	16	Days
UTC Time - Hours	14	Hours
UTC Time - Minutes	12	
UTC Time - Seconds	0	seconds
ECU Time - Milliseconds	531	ms

HCP | P0C19-00 | Stored | Drive Motor A Torque Delivered Performance-

NAME	VALUE	UNITS
DTC	0C 19 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	10	
Occurrence flag	Occurrence	
Original Odometer Value	778.1	miles
Most Recent Odometer Value	792.1	miles
Frequency Counter	215	
Ignition Cycle Counter	0	
Microcontroller reset reason - Core 0	Power Up	
Microcontroller reset reason - Core 1	Power Up	
Real time clock	951921600	sec
RAM stamps keyOn	165	sec
RAM Stamps	5718	Min
Accelerator Pedal Position	0	%
Engine Coolant Temperature	187	°F
Engine Speed	1033	rpm
Vehicle Speed	0.0000	MPH
HV Battery SOC	16	%
Brake Switch Status	Not Applied	
Battery Feed Voltage 1 Sense	13.824	Volts
Battery Feed Voltage 2 Sense	13.824	Volts

Battery Feed Voltage 3 Sense	13.968	Volts
Internal EPS Voltage Sense A	8.856	Volts
Internal EPS Voltage Sense B	8.856	Volts
Hybrid System State	Propulsion System Active	
Outside Air Temperature	95.0	°F
Ignition State	Reserved	
Propulsion System Active	True	
HV Contactor Status	Closed	
APM Status	Buck CV	
Impact Event	False	
PRND Position Display	D	
Distance Travelled with Light ON	16	miles
HV Battery Sleep Time	0	Days
eMotor A Shutdown History [0]	37-Motor Torque Security	
eMotor A Shutdown History [1]	486-RESERVED	
eMotor A Shutdown History [2]	0-NO_FAULT	
eMotor A Fault History [0]	461-Isd Current Ripple	
eMotor A Fault History [1]	462-Isq Current Ripple	
eMotor A Fault History [2]	37-Motor Torque Security	
eMotor A Fault History [3]	486-RESERVED	
eMotor A Fault History [4]	6-Position Signal Loss	
eMotor A Fault History [5]	0-NO_FAULT	
eMotor B Shutdown History [0]	0-NO_FAULT	
eMotor B Shutdown History [1]	0-NO_FAULT	
eMotor B Shutdown History [2]	0-NO_FAULT	
eMotor B Fault History [0]	0-NO_FAULT	
eMotor B Fault History [1]	0-NO_FAULT	
eMotor B Fault History [2]	0-NO_FAULT	
eMotor B Fault History [3]	0-NO_FAULT	
eMotor B Fault History [4]	0-NO_FAULT	
eMotor B Fault History [5]	0-NO_FAULT	
eMotor A FA Speed or Position Fault Active	False	
eMotor A FA Motor Temperature Fault Active	False	
eMotor A FA inverter Temperature A Fault Active	False	
eMotor A FA inverter Temperature B Fault Active	False	
eMotor A FA inverter Temperature C Fault Active	False	
eMotor A FA DC Current Fault Active	False	
eMotor A FA DC Voltage Fault Active	False	
eMotor A FA Acceleration Fault Active	False	
eMotor A FA Rotor Temperature Fault Active	False	
eMotor A FA Capacitor Temperature Fault active	False	
eMotor A FA Current Sensor A Fault Active	False	
eMotor A FA Current Sensor B Fault Active	False	
eMotor A FA Current Sensor C Fault Active	False	

eMotor A FA Postion Sensor Fault Active	False	
eMotor A FA DC Voltage Out of Range Fault Active	False	
eMotor A FA Reserved	Undefined	
eMotor B FA Speed or Position Fault Active	False	
eMotor B FA Motor Temperature Fault Active	False	
eMotor B FA Inverter Temperature A Fault Active	False	
eMotor B FA Inverter Temperature B Fault Active	False	
eMotor B FA Inverter Temperature C Fault Active	False	
eMotor B FA HV input Current Fault Active	False	
eMotor B FA HV Input Voltage Fault Active	False	
eMotor B FA Acceleration Fault Active	False	
eMotor B FA Rotor Temperature Fault Active	False	
eMotor B FA Capacitor Temperature Fault Active	False	
eMotor B FA Current Sensor A Fault Active	False	
eMotor B FA Current Sensor B Fault Active	False	
eMotor B FA Current Sensor C Fault Active	False	
eMotor B FA Position Sensor Fault Active	False	
eMotor B FA DC Voltage Out of Range Fault Active	False	
eMotor B FA Reserved	Undefined	
eMotor A Current Ia Max	0.95	A
eMotor A Current Ia Min	-1.00	A
eMotor A Current Ib Max	0.60	A
eMotor A Current Ib Min	-1.35	A
eMotor A Current Ic Max	1.20	A
eMotor A Current Ic Min	-0.75	A
eMotor A Current Id Max	0.80	A
eMotor A Current Id Min	-1.00	A
eMotor A Current Iq Max	0.85	A
eMotor A Current Iq Min	-0.95	A
eMotor A Current Sum Max	1.80	A
eMotor A Current Sum Min	-2.10	A
eMotor A HV Input voltage Max	338.12	Volts
eMotor A HV Input voltage Min	337.38	Volts
eMotor A speed max mrads	743.1875	rad/s
eMotor A speed min mrads	455.0000	rad/s
eMotor B Current Ia Max	50.20	A
eMotor B Current Ia Min	-52.20	A
eMotor B Current Ib Max	48.10	A
eMotor B Current Ib Min	-49.60	A
eMotor B Current Ic Max	52.45	A
eMotor B Current Ic Min	-50.35	A
eMotor B Current Id Max	-2.35	A
eMotor B Current Id Min	-3.70	A
eMotor B Current Iq Max	-31.35	A

eMotor B Current Iq Min	-36.40	A
eMotor B current Sum Max	1.80	A
eMotor B current sum Min	-2.35	A
eMotor B HV Input Voltage Max	337.84	Volts
eMotor B HV Input Voltage Min	337.38	Volts
eMotor B speed Max mrads	109.6875	rad/s
eMotor B speed Min mrads	104.5625	rad/s
eMotor A Current Ia Offset	0.50	A
eMotor A Current Ib Offset	-0.30	A
eMotor A Current Ic Offset	-0.80	A
eMotor B Current Ia Offset	0.50	A
eMotor B Current Ib Offset	-0.30	A
eMotor B Current Ic Offset	-0.80	A
eMotor A HV Battery Voltages	337.10	Volts
eMotor A HV input Voltages	337.52	Volts
eMotor B HV Battery Voltages	337.10	Volts
eMotor B HV input Voltages	337.56	Volts
eMotor A Motoring Torque Limit	13.88	Ft-Lbs
eMotor A Regenerative Torque Limit	-13.88	Ft-Lbs
eMotor B Motoring Torque Limit	179.76	Ft-Lbs
eMotor B Regenerative Torque Limit	-179.90	Ft-Lbs
eMotor A Torque command	0.00	Ft-Lbs
eMotor A Torque achieved	0.00	Ft-Lbs
eMotor A speed RPM	127	rpm
eMotor B Torque command	-16.06	Ft-Lbs
eMotor B Torque achieved	-16.77	Ft-Lbs
eMotor B Speed RPM	1019	rpm
eMotor A Temperature Stator	172	°F
eMotor A Temperature Inverter Model	32	°F
eMotor A Temperature Inverter 0	106	°F
eMotor A Temperature Inverter 1	104	°F
eMotor A Temperature Inverter 2	104	°F
eMotor A Temperature Coolant Inlet	32	°F
eMotor A Temperature Coolant Outlet	32	°F
eMotor A Temperature PCB	32	°F
eMotor A Temperature Rotor	32	°F
eMotor A OS Runtime Seconds	157	sec
eMotor B OS Runtime Seconds	158	sec
eMotor B Temperature Stator	131	°F
eMotor B Temperature Inverter Model	32	°F
eMotor B Temperature Inverter 0	120	°F
eMotor B Temperature Inverter 1	118	°F
eMotor B Temperature Inverter 2	118	°F
eMotor B Temperature coolant Inlet	32	°F

eMotor B Temperature coolant outlet	32	°F
eMotor B Temperature PCB	32	°F
eMotor B Temperature Rotor	32	°F
eMotor A Lifetime Over Current w/o Over Voltage Events	0	
eMotor A Lifetime Over Current Events	0	
eMotor A Lifetime Over Voltage Events	0	
eMotor A Lifetime Max Voltage	401.74	Volts
eMotor A Lifetime Max Phase Current	931.70	A
eMotor A Lifetime General Retry Events	56	
eMotor A Key Cycle Max Voltage	341.46	Volts
eMotor A Key Cycle Max phase Current	406.00	A
eMotor A Key Cycle General Retry Events	28	
eMotor B Lifetime Over Current w/o Over Voltage Events	0	
eMotor B Lifetime Over Current Events	0	
eMotor B Lifetime Over Voltage Events	0	
eMotor B Lifetime Max Voltage	401.52	Volts
eMotor B Lifetime Max Phase Current	696.90	A
eMotor B Lifetime General retry Events	0	
eMotor B key Cycle max Voltage	341.32	Volts
eMotor B key Cycle max Phase Current	295.50	A
eMotor B key Cycle General Retry Events	0	
eMotor A MTMR Fault Word	00 00 00	
eMotor B MTMR Fault Word	00 00 00	
GPS Date - Year	59143	Year
GPS Date - Month	5	
GPS Date - Day	16	Days
UTC Time - Hours	19	Hours
UTC Time - Minutes	27	
UTC Time - Seconds	0	seconds
ECU Time - Milliseconds	931	ms

HCP | P1B03-00 | Stored | Resolver Signal / MCPA Rationality-

NAME	VALUE	UNITS
DTC	1B 03 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	10	
Occurrence flag	Occurrence	

Original Odometer Value	776.0	miles
Most Recent Odometer Value	792.0	miles
Frequency Counter	252	
Ignition Cycle Counter	0	
Microcontroller reset reason - Core 0	Power Up	
Microcontroller reset reason - Core 1	Power Up	
Real time clock	951921536	sec
RAM stamps keyOn	120	sec
RAM Stamps	5717	Min
Accelerator Pedal Position	0	%
Engine Coolant Temperature	181	°F
Engine Speed	1243	rpm
Vehicle Speed	4.2962	MPH
HV Battery SOC	17	%
Brake Switch Status	Not Applied	
Battery Feed Voltage 1 Sense	13.680	Volts
Battery Feed Voltage 2 Sense	13.680	Volts
Battery Feed Voltage 3 Sense	13.824	Volts
Internal EPS Voltage Sense A	8.856	Volts
Internal EPS Voltage Sense B	8.856	Volts
Hybrid System State	Propulsion System Active	
Outside Air Temperature	95.0	°F
Ignition State	Reserved	
Propulsion System Active	True	
HV Contactor Status	Closed	
APM Status	Buck CV	
Impact Event	False	
PRND Position Display	D	
Distance Travelled with Light ON	16	miles
HV Battery Sleep Time	0	Days
eMotor A Shutdown History [0]	486-RESERVED	
eMotor A Shutdown History [1]	44-Position Tracking Loss	
eMotor A Shutdown History [2]	0-NO_FAULT	
eMotor A Fault History [0]	486-RESERVED	
eMotor A Fault History [1]	6-Position Signal Loss	
eMotor A Fault History [2]	44-Position Tracking Loss	
eMotor A Fault History [3]	0-NO_FAULT	
eMotor A Fault History [4]	0-NO_FAULT	
eMotor A Fault History [5]	0-NO_FAULT	
eMotor B Shutdown History [0]	0-NO_FAULT	
eMotor B Shutdown History [1]	0-NO_FAULT	
eMotor B Shutdown History [2]	0-NO_FAULT	
eMotor B Fault History [0]	0-NO_FAULT	
eMotor B Fault History [1]	0-NO_FAULT	

eMotor B Fault History [2]	0-NO_FAULT	
eMotor B Fault History [3]	0-NO_FAULT	
eMotor B Fault History [4]	0-NO_FAULT	
eMotor B Fault History [5]	0-NO_FAULT	
eMotor A FA Speed or Position Fault Active	True	
eMotor A FA Motor Temperature Fault Active	False	
eMotor A FA inverter Temperature A Fault Active	False	
eMotor A FA inverter Temperature B Fault Active	False	
eMotor A FA inverter Temperature C Fault Active	False	
eMotor A FA DC Current Fault Active	False	
eMotor A FA DC Voltage Fault Active	False	
eMotor A FA Acceleration Fault Active	True	
eMotor A FA Rotor Temperature Fault Active	True	
eMotor A FA Capacitor Temperature Fault active	True	
eMotor A FA Current Sensor A Fault Active	False	
eMotor A FA Current Sensor B Fault Active	False	
eMotor A FA Current Sensor C Fault Active	False	
eMotor A FA Postion Sensor Fault Active	True	
eMotor A FA DC Voltage Out of Range Fault Active	False	
eMotor A FA Reserved	Undefined	
eMotor B FA Speed or Position Fault Active	False	
eMotor B FA Motor Temperature Fault Active	False	
eMotor B FA Inverter Temperature A Fault Active	False	
eMotor B FA Inverter Temperature B Fault Active	False	
eMotor B FA Inverter Temperature C Fault Active	False	
eMotor B FA HV input Current Fault Active	False	
eMotor B FA HV Input Voltage Fault Active	False	
eMotor B FA Acceleration Fault Active	False	
eMotor B FA Rotor Temperature Fault Active	False	
eMotor B FA Capacitor Temperature Fault Active	False	
eMotor B FA Current Sensor A Fault Active	False	
eMotor B FA Current Sensor B Fault Active	False	
eMotor B FA Current Sensor C Fault Active	False	
eMotor B FA Position Sensor Fault Active	False	
eMotor B FA DC Voltage Out of Range Fault Active	False	
eMotor B FA Reserved	Undefined	
eMotor A Current Ia Max	1.20	A
eMotor A Current Ia Min	-0.90	A
eMotor A Current Ib Max	1.10	A
eMotor A Current Ib Min	-1.35	A
eMotor A Current Ic Max	1.35	A
eMotor A Current Ic Min	-0.65	A
eMotor A Current Id Max	0.90	A
eMotor A Current Id Min	-0.70	A

eMotor A Current Iq Max	0.85	A
eMotor A Current Iq Min	-1.05	A
eMotor A Current Sum Max	1.65	A
eMotor A Current Sum Min	-1.75	A
eMotor A HV Input voltage Max	336.66	Volts
eMotor A HV Input voltage Min	336.06	Volts
eMotor A speed max mrads	654.1250	rad/s
eMotor A speed min mrads	505.2500	rad/s
eMotor B Current Ia Max	25.70	A
eMotor B Current Ia Min	-25.60	A
eMotor B Current Ib Max	23.05	A
eMotor B Current Ib Min	-25.05	A
eMotor B Current Ic Max	25.80	A
eMotor B Current Ic Min	-24.35	A
eMotor B Current Id Max	-1.15	A
eMotor B Current Id Min	-1.80	A
eMotor B Current Iq Max	-14.20	A
eMotor B Current Iq Min	-17.75	A
eMotor B current Sum Max	1.30	A
eMotor B current sum Min	-1.75	A
eMotor B HV Input Voltage Max	337.70	Volts
eMotor B HV Input Voltage Min	337.08	Volts
eMotor B speed Max mrads	131.9375	rad/s
eMotor B speed Min mrads	127.2500	rad/s
eMotor A Current Ia Offset	0.40	A
eMotor A Current Ib Offset	-0.40	A
eMotor A Current Ic Offset	-0.65	A
eMotor B Current Ia Offset	0.40	A
eMotor B Current Ib Offset	-0.40	A
eMotor B Current Ic Offset	-0.65	A
eMotor A HV Battery Voltages	336.90	Volts
eMotor A HV input Voltages	337.52	Volts
eMotor B HV Battery Voltages	336.90	Volts
eMotor B HV input Voltages	337.38	Volts
eMotor A Motoring Torque Limit	7.82	Ft-Lbs
eMotor A Regenerative Torque Limit	-7.82	Ft-Lbs
eMotor B Motoring Torque Limit	179.78	Ft-Lbs
eMotor B Regenerative Torque Limit	-179.85	Ft-Lbs
eMotor A Torque command	0.00	Ft-Lbs
eMotor A Torque achieved	-0.01	Ft-Lbs
eMotor A speed RPM	-221	rpm
eMotor B Torque command	-8.58	Ft-Lbs
eMotor B Torque achieved	-9.12	Ft-Lbs
eMotor B Speed RPM	1239	rpm

eMotor A Temperature Stator	171	°F
eMotor A Temperature Inverter Model	32	°F
eMotor A Temperature Inverter 0	104	°F
eMotor A Temperature Inverter 1	102	°F
eMotor A Temperature Inverter 2	100	°F
eMotor A Temperature Coolant Inlet	32	°F
eMotor A Temperature Coolant Outlet	32	°F
eMotor A Temperature PCB	32	°F
eMotor A Temperature Rotor	32	°F
eMotor A OS Runtime Seconds	114	sec
eMotor B OS Runtime Seconds	114	sec
eMotor B Temperature Stator	127	°F
eMotor B Temperature Inverter Model	32	°F
eMotor B Temperature Inverter 0	117	°F
eMotor B Temperature Inverter 1	117	°F
eMotor B Temperature Inverter 2	115	°F
eMotor B Temperature coolant Inlet	32	°F
eMotor B Temperature coolant outlet	32	°F
eMotor B Temperature PCB	32	°F
eMotor B Temperature Rotor	32	°F
eMotor A Lifetime Over Current w/o Over Voltage Events	0	
eMotor A Lifetime Over Current Events	0	
eMotor A Lifetime Over Voltage Events	0	
eMotor A Lifetime Max Voltage	401.74	Volts
eMotor A Lifetime Max Phase Current	931.70	A
eMotor A Lifetime General Retry Events	54	
eMotor A Key Cycle Max Voltage	341.18	Volts
eMotor A Key Cycle Max phase Current	236.55	A
eMotor A Key Cycle General Retry Events	26	
eMotor B Lifetime Over Current w/o Over Voltage Events	0	
eMotor B Lifetime Over Current Events	0	
eMotor B Lifetime Over Voltage Events	0	
eMotor B Lifetime Max Voltage	401.52	Volts
eMotor B Lifetime Max Phase Current	696.90	A
eMotor B Lifetime General retry Events	0	
eMotor B key Cycle max Voltage	341.18	Volts
eMotor B key Cycle max Phase Current	295.50	A
eMotor B key Cycle General Retry Events	0	
eMotor A MTMR Fault Word	00 00 00	
eMotor B MTMR Fault Word	00 00 00	
GPS Date - Year	59143	Year
GPS Date - Month	5	
GPS Date - Day	16	Days
UTC Time - Hours	19	Hours

UTC Time - Minutes	26	
UTC Time - Seconds	0	seconds
ECU Time - Milliseconds	163	ms

HCP | P1C65-00 | Active | Hybrid Perf - Engine Speed Target Not Achieved During Autostart-

NAME	VALUE	UNITS
DTC	1C 65 00	
Test Failed	True	
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	True	
Warning Indicator Requested	True	
DTC Extended Data Record Number	01	
Occurrence flag	Occurrence	
Original Odometer Value	778.1	miles
Most Recent Odometer Value	778.1	miles
Frequency Counter	1	
Ignition Cycle Counter	0	
Microcontroller reset reason - Core 0	Power Up	
Microcontroller reset reason - Core 1	Power Up	
Real time clock	951905024	sec
RAM stamps keyOn	15	sec
RAM Stamps	5638	Min
Accelerator Pedal Position	0	%
Barometric Pressure	15	PSI
Engine Coolant Temperature	210	°F
Engine Speed	0	rpm
Vehicle Speed	0.0000	MPH
HV Battery SOC	16	%
Brake Switch Status	Not Applied	
Battery Feed Voltage 1 Sense	13.824	Volts
Battery Feed Voltage 2 Sense	13.824	Volts
Battery Feed Voltage 3 Sense	14.040	Volts
Internal EPS Voltage Sense A	8.928	Volts
Internal EPS Voltage Sense B	8.928	Volts
Hybrid System State	Inverters Enabled	
Actual Torque - Motor A	39.086	Ft-Lbs
Actual Torque - Motor B	9.771	Ft-Lbs
Available Motor Torque - Motor A	39.086	Ft-Lbs
Available Motor Torque - Motor B	180.125	Ft-Lbs
Available Regen Torque - Motor A	-39.086	Ft-Lbs

Available Regen Torque - Motor B	-180.402	Ft-Lbs
Commanded Torque - Motor A	39.086	Ft-Lbs
Commanded Torque - Motor B	9.771	Ft-Lbs
Motor A - Inverter Current - phase A	-148	AMP
Motor A - Inverter Current - phase B	160	AMP
Motor A - Inverter Current - phase C	-20	AMP
Motor B - Inverter Current - phase A	-24	AMP
Motor B - Inverter Current - phase B	4	AMP
Motor B - Inverter Current - phase C	20	AMP
Motor A Resolver Angle	6	Degree
Motor B Resolver Angle	Not Programmed	Degree
Motor A Temp Sensor	230	°F
Motor B Temp Sensor	181	°F
Outside Air Temperature	64.4	°F
Ignition State	Ignition Off/ACC	
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	334.50	Volts
Electric Motor A Speed	4.5	rpm
Electric Motor B Speed	1599.5	rpm
PIM DC Link Voltage - A	335	Volts
PIM DC Link Voltage - B	335	Volts
Inverter A IGBT Temperature for phase A	192	°F
Inverter A IGBT Temperature for phase B	122	°F
Inverter A IGBT Temperature for phase C	207	°F
Inverter B IGBT Temperature for phase A	126	°F
Inverter B IGBT Temperature for phase B	122	°F
Inverter B IGBT Temperature for phase C	122	°F
APM Status	Buck CV	
Impact Event	False	
PRND Position Display	P	
HCP System Shutdown Command	Default	
PHEV Charging Status	No Charging	
Distance Travelled with Light ON	3	miles
OBCM Operating Mode	UTC	
J1772 Prox Detected State	Prox Out	
HV Battery Sleep Time	0	Days
SW Build Release Version	PIM_20B_2208A0_P1P2_HCP_	
HCP SW Version	20B	
High Voltage bus voltage fault status	No fault	
HV Battery Voltage	334	Volts

HV Battery Voltage fault status	No fault	
APM HV Voltage	333	Volts
APM HV Voltage fault status	No fault	
ECH HV Voltage	335	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	333	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	59143	Year
GPS Date - Month	5	
GPS Date - Day	16	Days
UTC Time - Hours	14	Hours
UTC Time - Minutes	50	
UTC Time - Seconds	1	seconds
ECU Time - Milliseconds	525	ms

SNAPSHOT DATA SUMMARY

No Snapshot Data available for U0002-00

No Snapshot Data available for P0A3F-00

No Snapshot Data available for P0A92-00

No Snapshot Data available for P0C19-00

No Snapshot Data available for P1B03-00

No Snapshot Data available for P1C65-00