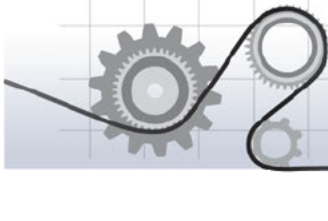


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WI
TECH 2.0

CONFIGURATION REPORT

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

Odometer 130.4 miles
Publication Date Mar 14, 2022, 11:22:15 AM

ECU SUMMARY INFO

ECU	NAME	BUS TYPE	FLASH PART #	CURRENT VIN	ORIGINAL VIN	PART #
TCM	Transmission Control Module	CAN-C	68563824AB	[REDACTED]	[REDACTED]	68563824AB
PCM	Powertrain Control Module	CAN-C	05188188AC	[REDACTED]	[REDACTED]	05188188AC
ICS	Integrated Center Stack	CAN-I	6SX95DX9AE	[REDACTED]	[REDACTED]	6SX95DX9AE
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	68547688AB	[REDACTED]	[REDACTED]	68547688AB
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
SCCM	Steering Column Control Module	CAN-C	68526258AA	[REDACTED]	[REDACTED]	68526258AA
BCM	Body Controller	CAN-C	68525356AC	[REDACTED]	[REDACTED]	68525355AC
RADIO	Radio	CAN-I	68472587AJ	[REDACTED]	[REDACTED]	68472587AJ
OCM	Occupant Classification	CAN-C	68403128AA	[REDACTED]	[REDACTED]	68403128AA
BPCM	Battery Pack Control Module	CAN-C	05193168AH	[REDACTED]	[REDACTED]	05193168AH
HCP	Hybrid Control Processor	CAN-C	68540072AC	[REDACTED]	[REDACTED]	68540072AC
AHCP	Auxiliary Hybrid Control Processor	CAN-C	68540084AC	[REDACTED]	[REDACTED]	68540084AC

ABSO	Anti Lock Brakes OBD	CAN-C	68532850AC			68532850AC
SGW	Security Gateway Module	CAN-C	68532299AB			68532299AB
DPDM	Driver Presence Detection Module	CAN-C	68403129AA			68403129AA
IDCM	Integrated Dual Charge Module	CAN-C	05185035AQ			05185035AQ

ECU SUMMARY INFO (CONT...)

ECU	COUNTRY CODE	HARDWARE VERSION	SOFTWARE VERSION	IDENT	CVNS
TCM	USA / USA	13 05 0E	15 2B 00	4700	
PCM	USA	1D 47	21 22 00	4928	
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	
SCCM	USA	13 28 00	13 29 00	4301	
BCM	USA	0D 11 00	15 21 50	4630	
RADIO	USA	15 20 14	15 20 14	8205	
OCM	USA	11 31 01	11 07 04	4060	
BPCM	Rest of world / ROW	13 0C 04	15 24 42	5701	
HCP	USA	15 0C 04	15 11 63	5403	AFAF52A5 824EB791 4C99835C
AHCP	USA	15 0C 04	14 33 01	5600	
ABSO	USA	15 26 00	15 22 03	4300	D74722B2
SGW		5	1125	4103	
DPDM	USA	11 31 01	11 0F 04	4510	
IDCM	USA	15 0E 00	15 28 00	4000	

CONFIGURATION

TCM CONFIGURATION

NAME	VALUE	UNITS
ERS/Autostick/Tip Non-paddle on Shifter in D position equipped	—	
4WD with switchable Lo Range equipped	—	
FWD Equipped	—	
Short Learn Enabled	—	
ERS/Autostick/Tip Non-paddle on Shifter in A or M position equipped	—	

ERS/Autostick/Tip Non-paddle on Steering Wheel equipped	—	
Shifter with Sport Mode Position Equipped	—	
Overdrive Off or Tow Haul Mode Switch or Virtual Switch (Non-Terrain) Equipped	—	
ECO/Optimizer Switch Equipped	—	
Engine Start/Stop equipped	—	
Sport Mode Switch or Virtual Switch (Non-Terrain) Equipped	—	
Shifter with Low Mode Position Equipped	—	
Autostick/ERS On/Off Switch Equipped	—	
Paddle-Shift Switches Equipped	—	
RWD Equipped	—	
Long Learn Enabled	—	
AWD Equipped	—	
Polystable E-shift (Cableless without return-to-center) equipped	—	

PCM CONFIGURATION

NAME	VALUE	UNITS
Active Exhaust Pressure Sensor Equipped	—	
Secondary Mass Airflow Sensor Equipped	—	
Active Exhaust Valve(s) Equipped	—	
Electronic Parking Brake Equipped	—	
Aux Coolant Pump Heater Equipped	—	
Heater Temp Control Valve Equipped	—	
Wastegate HBridge Equipped	—	
Mechanical Coolant Pump Equipped	—	
High Side Port Tumble Valve Equipped	—	
Cooled EGR Equipped	—	
Auxillary Coolant Pump Equipped	—	
Supercharger Equipped	—	
HPT 6-Speed Trans Equipped	—	
Hybrid MEC Shifter Equipped	—	
ZF 9-Speed Trans Equipped	—	
CNG Large Gas Tank Equipped	—	
PTO System Equipped	—	
Dual Alternator Gen1 Capable	—	
Engine Idle Shutoff Equipped	—	
Low Temp Radiator Coolant Pump Equipped	—	
Dual Fuel Tank Equipped	—	
A/C Relay Powered from Engine Switched Battery	—	
Engine Oil Pressure Sensor Type	—	None
2.0 Liter I4 Direct Injection Engine	—	
Coolant On-Off Pump Equipped	—	
1.0 Liter I3 Engine	—	
Variable Valve Lift Equipped	—	
Primary Lin Alternator Equipped	—	

Active Exhaust Pressure Sensor Equipped	—	
Exhaust Cam 1 Equipped	—	
Active Exhaust Valve Equipped	—	
Linear PWM Fan Relay System Equipped	—	
Auxiliary Coolant Pump Equipped	—	
3.6 Liter V6 Engine	—	
EMAT (Getrag DCT transmission) Equipped	—	
Primary Lin Alternator Equipped	—	
Knock Sensor 1 Equipped	—	
4 Speed Automatic Transmission Equipped	—	
Electric Water Pump Equipped	—	
3.5 Liter V6 Engine	—	
Power Steering Switch Equipped	—	
Auxiliary Heater Electric Water Pump Equipped	—	
Fiat 940 Compact Equipped	—	
Adaptive Cruise Control Equipped	—	
Unleaded Gasoline Fuel	—	
Active Engine Mount Equipped	—	
4.7 Liter V8 Engine	—	
ICC Cruise Equipped	—	
6.4 Liter V8 Engine	—	
Transmission Software Included	—	
ETC Cruise equipped	—	
Rear Heater Equipped	—	
AC Equipped	—	
TIP Equipped	—	
Buffered Crank Output for ANC (Active Noise Cancellation) Equipped	—	
Buffered Crank Output for PHEV Engine Pulse Calculation Equipped	—	
Continuous Variable Transmission Equipped	—	
SRV Equipped	—	
Dual Speed Fuel Pump Equipped	—	
O2 Sensor Bank 1 Sensor 3 Equipped	—	
Air Shutoff Valve Bank 2 Control Solenoid 2 Equipped	—	
2 Speed Fan 3 Driver 3 Relay System Equipped	—	
Dual Fuel Tank Equipped	—	
PWM Fan Motor System Equipped	—	
Brake Pedal Sensor Equipped	—	
Constant Heater Temperature Control Valve Equipped	—	
GPEC3 Equipped	—	
VLP Is Learnable Indicator	—	
1 Speed Fan Mechanical Relay System Equipped	—	
Engine Oil Heater Cooler Equipped	—	
Fiat VIN Learning Strategy Equipped	—	
Mechanical Coolant Pump Heater Equipped	—	

2.0 Liter W14 engine	—	
VFS Actuators Available Indicator	—	
O2 Sensor Bank 1 Sensor 1 Equipped	—	
Coolant On-Off Valve Equipped	—	
45RFE / 545RFE / 65RFE	—	
Vehicle Speed Sensor #1 Calculated by ECU	—	
Shift Indicator Lamp Equipped	—	
Wide Range O2 Sensor 1/1 Equipped	—	
GPEC2 Equipped	—	
Supercharger Equipped	—	
Variable Displacement AC Equipped	—	
1.0 Liter I3 Engine	—	
Electric Thermostat Heater Equipped	—	
2 Speed Fan PWM Relay System Equipped	—	
PTO System Equipped	—	
High Side Port Tumble Valve Equipped	—	
Tumble Generator Valve Equipped	—	
3.8 Liter V6 Engine	—	
3.0 Liter V6 Engine	—	
Starter Relay 2 Equipped	—	
40TE / 41TE / 41TEA	—	
Wastegate H-Bridge Equipped	—	
Linear EGR Equipped	—	
ZF 9-Speed Transmission Equipped	—	
Direct Injection Equipped	—	
Cummins Equipped	—	
3.3 Liter V6 Engine	—	
ESIM Equipped	—	
Hybrid Electric Vehicle Equipped	—	
W14 Variable Valve Timing Equipped	—	
Engine Idle Shutoff Equipped	—	
Intake Cam 1 Equipped	—	
O2 Sensor Bank 2 Sensor 1 Equipped	—	
3.2 Liter V6 Engine	—	
Cooled EGR Equipped	—	
Air Shutoff Valve Bank 1 Control Solenoid 2 Equipped	—	
VLP Equipped Indicator	—	
Low Temperature Radiator Coolant Pump Equipped	—	
Dual Stage Oil Pump Equipped	—	
CUSW PROXI Write Programming Support Enabled	—	
6.1 Liter V8 Engine	—	
42RLE	—	
Humidity, Temperature and Pressure Sensor (LIN) Equipped	—	
Compressed Natural Gas Equipped	—	

HPT 6-Speed Transmission Equipped	—	
Secondary Fuel Pump Equipped	—	
Adaptive Cruise Control Hardware Equipped	—	
2.7 Liter V6 Engine	—	
WI4 Intake Flow Control Valve Equipped	—	
Engine Stop Start Equipped	—	
Coolant On-Off Pump Equipped	—	
MDS Equipped	—	
DUAL_ALTERNATOR_GEN1_LEARNEDCOPY	—	
Next Gen Bus Equipped	—	
2.4 Liter WI4 engine	—	
Transmission Oil Heater Equipped	—	
Brushless PWM Fan Equipped	—	
Auxiliary Coolant Pump Heater Equipped	—	
2 Speed Fan Mechanical Relay System Equipped	—	
Aisin 6-Speed RWD Transmission Equipped	—	
CMCV H-Bridge Equipped	—	
Turbine Volute Valve Actuator Equipped	—	
MultiAir Equipped	—	
Active Grille Shutter Equipped	—	
Intake Cam 2 Equipped	—	
Electronic Throttle Control Equipped	—	
O2 Sensor Bank 1 Sensor 2 Equipped	—	
Duty Cycle Purge Valve Equipped	—	
Throttle Inlet Temp Sensor Equipped	—	
Fixed displacement AC Equipped	—	
Yaw Rate Sensor ESC Equipped	—	
3 Speed Fan Mechanical Relay System Equipped	—	
Air Shutoff Valve Bank 1 Control Solenoid 1 Equipped	—	
Clutch Interlock Switch Equipped	—	
Powernet Equipped	—	
Electric Coolant Valve Equipped	—	
Electronic Automatic Transmission (EATX) Equipped	—	
4 Button Integrated Cruise Control	—	
Inrush Current Reduction Relay Equipped	—	
1.8 Liter WI4 engine	—	
Trans Reverse Lockout Equipped	—	
CUSW (11-Bit) Equipped	—	
4.0 Liter I6 Engine	—	
Sensorless FFV Enabled	—	
3.7 Liter V6 Engine	—	
Knock Sensor 2 Equipped	—	
Battery Temp Sensor Equipped	—	
GPEC2A Equipped	—	

Barometric Sensor Equipped	—	
Exhaust Cam 2 Equipped	—	
AC Equipped Over Bus	—	
5.7 Liter V8 Engine	—	
Linear Purge Equipped	—	
Unleaded diesel fuel	—	
Electronic Vacuum Pump Equipped	—	
Dual Fuel Pressure Sensor Equipped	—	
Oil Pressure Sensor Enabled	—	
Fan Wake Up Relay System Equipped	—	
Turbocharger Equipped	—	
62TE	—	
Wide Range O2 Sensor 2/1 Equipped	—	
MTV Solenoid Equipped	—	
ERS Equipped Indicator	—	
O2 Sensor Bank 2 Sensor 2 Equipped	—	
Electronic Coolant Pump Equipped	—	
Variable Speed Fuel Pump Equipped	—	
Engine Software In Package	—	
Vehicle Speed Sensor #1 Calculated from CAN	—	
Viscosity Sensor Equipped	—	
VMM Equipped	—	
A/C Equipped	—	
6.2 Liter V8 Engine	—	
CUSW (29-Bit) Equipped	—	
GPEC4 Equipped	—	
Secondary Air Equipped	—	
Port Flap Valve Equipped	—	
66RFE / 68RFE	—	
TOOLCONFIG_OIL_PRESS_ABS_EQUIPPED	—	
Operator Idle Speed Request Equipped	—	
Police Package Equipped	—	
Trans Skip Shift Equipped	—	
Mass Airflow System Equipped	—	
Operator Idle Speed Request Equipped	—	
INTAKE O2 SENSOR EQUIPPED	—	
Clutch Sensor Equipped	—	
5 Button Cruise (LIN) Equipped	—	
LIN Humidity, Temp, and Pressure Sensor Equipped	—	
Make Up Air Sensor Equipped	—	
Brake Pedal Sensor Equipped	—	
Cylinder Pressure Sensor Equipped	—	
SWAP HARDWIRED BRAKE SWITCH INPUTS	—	
Power Steering Angle Sensor Mandatory	—	

Bi-Directional Crank Sensor Equipped	—	
Dual Fuel Pressure Sensor Equipped	—	
Throttle Inlet Temp Sensor Equipped	—	
CUSW 4-Button Cruise Equipped	—	
Remote Start Present	—	

ICS CONFIGURATION

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

RFH CONFIGURATION

NAME	VALUE	UNITS
Base TPM Present	Not Set	
Full Size Matching Spare Tire Present	Set	
Fob Location #3 Successfully Programmed	No	
Valid Key In Ignition	No	
Fob Location #4 Successfully Programmed	No	
Secret Key Sent to Body Controller - Most recent attempt	Yes	
Fob Location #7 Successfully Programmed	No	
Fob Location #8 Successfully Programmed	No	
Secret Key Sent to Body Controller - Original attempt	Yes	
Fob Location #1 Successfully Programmed	Yes	
RFHub Locked	RFHUB Locked after IAC write	
PIN Successfully Programmed	Yes	
Fob Location #6 Successfully Programmed	No	
Fob Location #2 Successfully Programmed	Yes	
VIN Successfully Programmed	Yes	
Fob Location #5 Successfully Programmed	No	
Passive Entry	True	
TPMS Configuration	Logic 1 NHTSA Enable Warning	
Tire Pressure System	True	
Auto Park Present	True	
Module Configuration Status	True	
Secret Codes Programmed	True	
\$0214 Programmed by	Programmed by FCA manufacturing	
e-shifter present	True	
Selectable Tire Fill Alert	False	
TPM Auto-Locate Enabled	True	
RKE	True	
Ignition system type connected	KIN system	
Remote Start Present	True	
Keyless Go	True	

Back Up Customer Settings Menu 1 (CSM1)	True	
Back Up Customer Settings Menu 2 (CSM2)	True	
Back Up Vehicle Config 1	True	
Back Up ECU Configuration 13	True	
Back Up Vehicle Config 5	True	
Back Up ECU Configuration 2	True	
Back Up Vehicle Config 2	True	
Back Up ECU Configuration 10	True	
Back Up Vehicle Config 6	True	
Back Up Vehicle Config 7	True	
Back Up ECU Configuration 3	True	
Back Up ECU Configuration 4	True	
Back Up Vehicle Config 4	True	
Back Up ECU Configuration 14	True	
Back Up ECU Configuration 11	True	
Back Up ECU Configuration 6	True	
Back Up ECU Configuration 17	True	
Back Up Programmed ECUs: P/T Chassis Network	True	
Back Up ECU Configuration 1	True	
Back Up ECU Configuration 15	True	
Back Up ECU Configuration 8	True	
Back Up ECU Configuration 16	True	
Back Up ECU Configuration 12	True	
Back Up ECU Configuration 9	True	
Back Up Programmed ECUs: Cabin Network	True	
Back Up ECU Configuration 7	True	
Back Up Vehicle Config 3	True	
Back Up ECU Configuration 5	True	
Hardware Configuration: Remote Start Antenna	Present	
Hardware Configuration: Front Left Door Handle H/W	Serial AP	
Hardware Configuration: Trunk Door Handle H/W	Serial AP	
Hardware Configuration: Rear Right Door Handle H/W	No AP	
Hardware Configuration: Front Right Door Handle H/W	Serial AP	
Hardware Configuration: Rear Left Door Handle H/W	No AP	
ECU Ship Status	Normal Mode	

DTCM CONFIGURATION

NAME	VALUE	UNITS
Rear Locker Present	—	
FAD Present	—	
Mode Switch Present	—	
Full-Time T-Case	—	
Front Locker Present	—	
SRT Present	—	

T-Case Type	—	
Left/Right Hand Drive	—	
Axle Ratio	—	

ORC CONFIGURATION

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

Passenger Frontal Squib 4	—	
Right D-Pillar Impact Acceleration Sensor	—	
Left Up-Front Acceleration Sensor	—	
Driver Knee Bolster Squib	—	
Second Row Right Seat Side Airbag	—	
Rollover Sensing	—	
Passenger Occupant Detection Sensor	—	
Driver Seatbelt Load Limiter	—	
Left C-Pillar Impact Acceleration Sensor	—	
Left Side Seat Squib 1	—	

HVAC CONFIGURATION

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

AMP CONFIGURATION

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

IPC CONFIGURATION

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

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

SCCM CONFIGURATION

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

BCM CONFIGURATION

NAME	VALUE	UNITS
Number of Reprogramming Attempts - Counter #0	0	
Vehicle Configuration Programmed Status	True	
Last Programmed Status	Manufacturing	
Programmed Network Configuration - Audio / Telematics Network	3	
ECU Configuration 3	3	
ECU Configuration 6 (Suspension)	3	
Programmed ECUs: Cabin Network	3	
ECU Configuration 15 (CBC Features)	3	
ECU Configuration 8 (LIN and Miscellaneous)	3	
Vehicle Configuration 7 - Write Counter	3	
ECU Configuration 12	3	
Vehicle Configuration Auto Write Counter	1	
ECU Configuration 4	3	
ECU Configuration 11	3	
ECU Configuration 6 (Brake)	3	
ECU Configuration 9 (ITM)	3	
ECU Configuration 5 (Wireless)	3	
Vehicle Configuration 6 - Write Counter	3	
ECU Configuration 5 (Memory)	3	
ECU Configuration 2 (CBC Features)	3	
ECU Configuration 5 (Doors)	3	
Vehicle Config CSM1	3	
ECU Configuration 10	3	
ECU Configuration 14	3	
Programmed ECUs: P/T Chassis Network	3	
Vehicle Configuration 1 - Write Counter	3	
Vehicle Configuration 5 - Write Counter	3	
Vehicle Config CSM2	3	

ECU Configuration 6 (Safety)	3	
Vehicle Configuration 4 - Write Counter	3	
ECU Configuration 1 (CBC Configurable Inputs and Outputs)	3	
Vehicle Configuration 2 - Write Counter	3	
ECU Configuration 7 (CBC Exterior Lighting Calibrations)	3	
Vehicle Configuration 3 - Write Counter	5	
ECU Configuration 9A	3	
ECU Configuration 13	3	
Programmed ECUs: Hybrid LAN Network	3	
ECU Configuration 15 (Suspension)	3	
ECU Configuration 6 (Powertrain)	3	
Last Configuration Odometer	0	miles
Remote Start Present	Set	
Left/Right Hand Drive	Left Hand Drive	
Special Packages	Default	
Shifter Type	5 Pos Polystable Eshifter / Type PS5	
Auto Highbeam	Not Set	
PTS Configuration	Semi Automatic / Semi Automatic	
Vehicle Line	JL	
Emode Present	Not Set	
Model Year	2022	
Maximum Vehicle Speed	99	MPH
Hill Descent Feature Present	Not Set	
Country Code	USA	
Select Speed Control Feature Present	Set	
Drive Configuration	Selectable 4WD	
Performance Pages Present	Not Present	
Body Style	4-Door Hatchback	
SKIM System Present	Not Set	
Power Inverter Type	No Power Inverter	
Rain Sensor Present	Not Set	
Off Road Capable	Not Set	
Air Conditioning Present	Set	
Max Load Inflation Pressure Front Tire	36.0	PSI
Full Size Spare	Set	
Max Load Inflation Pressure Rear Tire	36.0	PSI
Cruise Feature is Present	Set	
Thatcham Present	Not Set	
Special Packages	Wrangler Sahara	
Flipper Glass Present	Not Set	
Light Load Inflation Pressure Rear Tire	0.0	PSI
Secondary Lock Present	Not Set	
Door Alert Feature Present	Not Set	
Vehicle Brand	Jeep	

Passive Entry Present	Set	
HVAC Configuration	Dual Zone ATC	
Chassis Type	Type 88	
ESCL system present	Not Set	
Paddle Shift Feature Present	Not Set	
Display Outside Temperature Present	Set	
ELV Present	Not Set	
T-Case Type	Transfer Case 246 / Transfer Case 246	
Interior EC Mirror Present	Set	
RKE System Present	Set	
Fuel Capacity	17	gallons
Wheel Base	Long wheel base (140" & 149" Ram Truck) / LONG	
Power Lift Gate Present	Not Set	
FOBIK Safe Enable	Set	
Display Compass Heading Present	Set	
Sunshade Present	Not Set	
Collision Mitigation System present	Not Set	
Window Express Feature Configuration	Drivers window express only	
Base TPM system present	Not Set	
Power Left Sliding Door Present	Not Set	
Two Fuel Sending Units Present	Not Set	
Auto Headlamp Feature Present	Set	
Auto Park Present	Set	
Forward Collision Warning present	Not Set	
Keyless Go Present	Set	
Liftgate/Trunk Type	Manual Liftgate	
Sport Mode Present	Not Set	
Premium TPM system present	Set	
Power Right Sliding Door Present	Not Set	
Police Lighting Feature	Not Set	
Adjustable Pedal Feature Present (non-Memory)	Not Set	
Disable Display of Radio Clock	Not Set	
Vehicle is an SRT	Not Set	
High Intensity Discharge Head Lamps	Not Set	
Transfer Case Low Range Reduction Ratio	2.720	
Transfer Case High Ratio	1.000	No Unit
Dynamic Tire Circumference (All or Rear)	97	inch
Axle Ratio	3.730	
Dual Rear Wheel (DRW) Vehicle Present	Not Set	
Steering Ratio at Positive Angle 5	0.0	No Unit
Steering Ratio at zero	0.0	No Unit
Non-Regulated Tire Pressure Information System (TPIS) Present	Not Set	
Steering Ratio at Positive Angle 1	0.0	No Unit
Steering Ratio at Positive Angle 4	0.0	No Unit

Steering Ratio at Positive Angle 2	0.0	No Unit
Steering Ratio at Positive Angle 3	0.0	No Unit
Air Quality System Present	Not Set	
Steering Ratio at Negative Angle 5	0.0	No Unit
Analog Door Sensor Configuration	All Doors have Analog Sensors	
Steering Ratio at Negative Angle 1	0.0	No Unit
Steering Ratio at Negative Angle 3	0.0	No Unit
Steering Ratio at Negative Angle 4	0.0	No Unit
Steering Ratio at Negative Angle 2	0.0	No Unit
Reserved - Pin E21	Not Set	
Park Brake Input Present - Pin E11	Set	
Low Beam Output Present - Pin A3, D2	Set	
Reserved - F21	Not Set	
VTA Warning LED Output Present - Pin G22	Set	
Run-ACC Y Relay #2 Output Present - Pin E9	Set	
Hood Ajar Switch Input Present - Pin A11	Set	
Front Fog Lamps Output Present - Pin A1 & D13	Set	
Rear Park Lamps Output Present - Pin E4 & F32	Set	
Trailer Backup Lamps Output Present - Pin E23	Not Set	
Rear Fog Lamps Output Present - Pin E39 & F5	Not Set	
Reserved - Pin G12	Not Set	
Reserved - Pin D20	Not Set	
Diesel Cabin Heater #2 Output Present - Pin D9	Not Set	
Reserved - Pin E15	Not Set	
Reserved - Pin E35	Not Set	
Gated Park ZFII Output Present - Pin D-24	Set	
Diesel Cabin Heater #3 Output Present - Pin D10	Not Set	
Left Rear Door Ajar Input Present - Pin F23	Set	
Right Dedicated DRL Lamp Output Present - Pin A22	Set	
Inverter Enable Relay Output Present - Pin F35	Set	
Hard Top Sense Present - Pin E14	Set	
Reserved - Pin F4	Not Set	
Side Markers Output Present - Pin A10 & D5	Set	
Starter Relay Lowside Coil Drive - Pin D7	Not Set	
Foot Well Lamps Output Present - Pin G24	Set	
Passenger Door Ajar Signal Present - Pin G18	Set	
Horn Switch Input Present - Pin F29	Set	
Ambient Temperature Sensor Present - Pin D22	Set	
Reserved - E20	Not Set	
Reserved - Pin E47	Not Set	
Ambient Light Dimmer Wheel Input Present Pin G9	Set	
Diesel Cabin Heater #1 Output Present - Pin D11	Not Set	
Left Dedicated DRL Lamps Output Present - Pin D15	Set	
UGDO Feed Output Present - Pin G15	Set	

Rear Turn Lamps Output Present - Pin E3 & F42	Not Set	
Flipper Glass #2 Output Present	Not Set	
Front Driver Analog Door Ajar Input Present - Pin F9	Set	
Rear Wiper Motor Park Present - Pin E29	Set	
LED Dedicated DRL Present	Set	
DRL Lamp Location	Dedicated	
LED Front Fog Lamps Present	Set	
LED Front Turn Lamps Present	Set	
One Touch Lane Change	Set	
LED Rear Fog Lamps Present	Set	
Horn Chirp Allowed	Set	
LED Tail Lamps Present	Set	
Park Lamp Loadshed Enable	Set	
DRL Dropout Enable	Set	
Wiper Service Position Enabled	Not Set	
Single Element Tail Lamp	Not Set	
Intermittent Wiper States	4 Intermittent Wiper position Switch	
LED High Beam Lamps Present	Set	
Exterior Light Loadshed Enable	Set	
LED CHMSL Lamp Present	Set	
LED Reverse Lamps Present	Set	
Door Lock Switch Signal FT RT Usage (F23)	Reserved	
Reversible Washer Pump Enable	Set	
Military Vehicle Present	Not Set	
Front Wiper Wipes After Wash	2 Wipes	
Door Lock Switch Signal FT LT Usage (F9)	Reserved	
LED Rear Turn Lamps Present	Set	
LED License Lamps Present	Set	
Bi Xenon Headlamps Enable	Not Set	
Side Repeaters Enable	Not Set	
Combined Rear Lighting Enable	Set	
Trailer Tow Present	Not Set	
Rear Wiper Park Enable	Set	
Front Fog Lamp Dropout Enable	Set	
DRL Configuration	Optional DRL	
Quad Headlamps Enable	Set	
Tip Start Enabled	Set	
Tunnel Detection	Not Set	
LED Front Park/Marker Lamps Present	Set	
Hazard Lamp Configuration	Latching Switch	
LED Low Beam Lamps Present	Set	
Headlamp Washer Low Fluid Shut-Off Enable	Not Set	
Front Wiper Park Enable	Set	
LED Stop Lamps Present	Set	

Headlamp Wash Shot	Single	
Headlamp Wash Interval	wash cycle#11	
Dual Start Relay System Present	Not Set	
Heated Steering Wheel Present	Set	
External Port Type	AUX + USB + extra USB	
SDAR Travel Link Present	Set	
Microphone Tuning Parameter	absent	
Surround Sound Feature Present	Not Set	
CTP Max AC Present	Not Set	
Radio Display On/Off Softkey Present	Not Set	
Destination	United States of America	
Power Inverter Present	Set	
DTV Side Camera Present	Not Set	
Hill Descent Control Present	Not Set	
Hybrid Electric Powertrain Present	Not Set	
Radio Apps Present	Not Set	
Front Heated Seats Present	Set	
VIN Check Digit Diabale	Not Set	
Microphone Type	Peiker 300 mv	
Antenna Type	Passive Primary and no secondary antenna	
Power Door Locks Present	Set	
Rear Camera Present	Set	
CTP Easy Entry Enable	Not Set	
Disable CD Eject	Not Set	
Cabin Equilization Curve Number	JL 4 Door Premium Top On (Alpine 12ch)	
Front Park Assist Present	Not Set	
Splashscreen Type	Vehicle Brand	
DAB Present	Not Set	
CTP Passive Entry Present	Set	
Front Ventilated Seats Present	Not Set	
CTP Auto Lock Disable	Not Set	
Hill Start Assist Customer Setting Option Present	Set	
Tow Haul Present	Not Set	
Vehicle Theft Alarm Present	Not Set	
Audio Steering Wheel Switch Configuration	Core Steering Wheel	
Microphone Configuration	2 Microphones	
DTV Front Camera Present	Not Set	
ERS Available	NOT AVAILABLE	
AMB Dimmer	NOT AVAILABLE	
Temperature Celsius for UK	Not Set	
Max Gear	Eighth gear	
IC Config Feature	NOT AVAILABLE	
Type of Gallons	U.K. Gallons	
PTO Present	NOT AVAILABLE	

Gear Shift Indicator	Not Set	
Split Shaft Present	NOT AVAILABLE	
Service Interval	20000 km and 730 days	
Heated Seat Present	NOT AVAILABLE	
Speedometer Range Max Scale	NOT AVAILABLE	
Virtual Speedometer Units	NOT AVAILABLE	
Manual Headlamp Leveling	NOT AVAILABLE	
Rear Wheel Dually	NOT AVAILABLE	
AP5 Trunk Lock	Smart Switch	
AP1 Left Front	Smart Switch	
AP4 Right Rear	Not Present	
Airport Scenario Trunk Set	Not Set	
AP3 Left Rear	Not Present	
AP2 Right Front	Smart Switch	
Tip Start Present	Set	
Electro-chromatic driver mirror present	Not Set	
Passenger Memory Mirror Present	Not Set	
Sun Shade	Not Set	
Window Motor Type	Not Set	
Folding mirrors present	Not Set	
Passenger Window Lockout	Set	
Blindspot Mirror Present	Not Set	
Global Up	Not Set	
Puddle Lamp Present	Not Set	
Window Hall Sensors Present	Not Set	
Driver Memory Mirrors Present	Not Set	
Rear Door Pre Short Drop	Not Set	
Global Down	Not Set	
Tow Mirror Present	Not Set	
Frameless Window Present	Not Set	
Electro-chromatic passenger mirror present	Not Set	
Auto Power Folding Mirrors Present	Not Set	
Heated Mirrors Present	Set	
Mirror turn signals present	Not Set	
Heated Wheel Material Type	Wood/Leather	
Heated Seat Material Type	Default	
Tilt/Telescope Steering Present	Not Set	
Memory Adjustable Pedals Present	Not Set	
Memory Seat Present	Not Set	
Rear Vented Seats Present	Not Present	
Heated Steering Wheel Present	Present	
Front Heated Seat Present	Present	
Front Vented Seats Present	Not Present	
Rear Heated Seats Present	Not Present	

Brake System ECU Configuration B	Undefined	
Wheel 18 inch overall ESC Maserati	Not Set	
Brake System ECU Configuration A	value 0	
Dual Alternator Present	Not Set	
ECO Mode Configuration	Remember Previous State with Ignition Key Cycle	
Manual Door Locks Present	Not Set	
CHMSL Lamp Output Disable	Not Set	
Front Fog Voltage	13.6	Volts
Rear Fog Voltage	12.0	Volts
Swing Gate Unlock Present - Pin F33	Set	
Auto High Beam Module Location	None	
Secondary Door Ajar Present - Pin E28	Set	
Swing Gate Lock Present - Pin F30	Set	
Rain Sensor Module #2 Present	Not Set	
Nose Dive Threshold	480 degrees	
Brake Smoothing Threshold	375 Nm	
Brake Smoothing Duration	10 periods	
Acceleration Threshold	1.5 m/s2	
Brake Smoothing Factor	Filter Off	
Nose Dive Factor	Filter Off	
Average Last Lateral Acceleration Values	Average 1	
Excess Lateral Acceleration Factor	1.5	
Acceleration Factor	Filter Off	
Excess Longitudinal Acceleration Factor	1.5	
Steering Smoothing Factor	Filter Off	
Average Last Longitudinal Acceleration Values	Average 1	
Steering Smoothing Duration	3 periods	
Maximum Longitudinal Change	2.0 degrees	
Steering Smoothing Threshold	150 Degrees	
Maximum Lateral Change	2.6 degrees	
Interior Lighting Night Threshold	4.45147	Volt
PE Auto-Relock Feature Enable	Set	
Horn Chirp Duration	Short	
RKE Auto-Relock Feature Enable	Not Set	
VTA Hood Ajar Monitoring	Not Set	
Pitch and Roll Present	Set	
ASBM Minimum Voltage Time	10 Seconds	
Parking Light Enable	Not Set	
Interior Lighting Day Threshold	4.27498	Volt
ASBM Battery Minimum Voltage	11.8 Volts	
ADR feature Present	Not Set	
Hybrid Type	PHEV	
PTC Present	Not Set	
AGS Feature Present	Not Set	

TPMS Configuration	Logic 1 NHTSA Enable Warning	
Transmission Equipped	Automatic transmission / AUTOMATIC	
Glovebox Control	Not Set	
TSBM Module Present	Not Set	
Temperature Display Resolution	Set	
Glare Free Present	Not Set	
Brake Type	Reserved	
Park Brake Type	Mechanical park brake - hand or foot / MECH	
Suspension Type	Reserved	
Axle Locker Configuration	No Axle Locker / NONE	
Performance shift enable customer settings menu	Not Set	
EPB service mode customer settings menu	Not Set	
Rain sensitive wipers customer settings menu	Not Set	
Electric power steering customer settings menu	Not Set	
Lane departure torque customer settings menu	Not Set	
Auto door lock customer settings menu	Set	
Air suspension warning customer settings menu	Not Set	
Unit set customer settings menu	Set	
Park assist brake customer settings menu	Not Set	
Headlamp off delay customer settings menu	Set	
Auto entry exit mode customer settings menu	Not Set	
Consumption unit customer settings menu	Set	
Park assist front volume customer settings menu	Not Set	
Pressure unit customer settings menu	Set	
Compass variance customer settings menu	Not Set	
Headlamp drop customer settings menu	Not Set	
Power unit customer settings menu	Not Set	
Blind spot alert customer settings menu	Not Set	
Rear view camera gridlines customer settings menu	Static + Dynamic / Static + Dynamic	
Compass calibration customer settings menu	Not Set	
Power accessory delay customer settings menu	Set	
Lane departure warning customer settings menu	Not Set	
Easy exit seat customer settings menu	Not Set	
Ambient dimmer customer settings menu	Not Set	
Clock display customer settings menu	Set	
Rear camera customer settings menu	Not Set	
Auto high beam customer settings menu	Not Set	
Auxiliary switches customer settings menu	Feature not present / Absent	
Power take off customer settings menu	Not Set	
Passive entry customer settings menu	Set	
Headlamps on with wiper customer settings menu	Set	
Auto on driver comfort customer settings menu	Feature 2 - 3 Option / Feature 2 - 3 Option	
Tire jack mode customer settings menu	Not Set	
Automatic aero mode customer settings menu	Not Set	

Illuminated approach customer settings menu	Set	
Park assist customer settings menu	Feature not present / Absent	
Power liftgate chime customer settings menu	Not Set	
Park assist rear volume customer settings menu	Not Set	
Distance unit customer settings menu	Set	
Auto park customer settings menu	Not Set	
Forward collision warning customer settings menu	Feature not present / Absent	
Speed unit customer settings menu	Set	
Torque unit customer settings menu	Not Set	
Teen Key Automatic High Beam Customer Settings Menu	Not Set	
RKE unlock customer settings menu	Set	
Tilt mirror in reverse customer settings menu	Not Set	
Rear view camera delay customer settings menu	Set	
Passenger Airbag On/Off Customer Settings Menu	Not Set	
Teen Key Fuel Pop-up Customer Settings Menu	Not Set	
Doors and Engine Off Power Delay Customer Settings Menu	Set	
Forward Collision Warning and Brake Customer Settings Menu	Not Set	
Surround View Camera On/Off Softkey Present	Not Set	
Trailer Hitch Camera Present	Set	
Auto Dimming Mirror Hard Button Present	Not Set	
DTV Present	Not Set	
Clari-Fi Present	Not Set	
Rear Defrost and Heated Mirrors Present	Both	
Show Phone Information in Cluster	Set	
Automatic Crash Notification Feature Present	Not Set	
Radio Speaker Open Circuit Disable (LR)	Not Set	
Radio Speaker Open Circuit Disable (RR)	Not Set	
Tri-State Comfort Climate Softkey Function Present	Set	
ANC Calibration Parameter Data Set	46594	ms
Radio Speaker Open Circuit Disable (LF)	Not Set	
Drive Mode Version	Version 1	
Radio Speaker Open Circuit Disable (RF)	Not Set	
Park Assist Tuning Set	Sahara	
Siren	Not Set	
Tilt	Not Set	
Ultrasonics	Not Set	
RFH	Set	
IPC	Set	
PCM	Set	
EPS	Set	
OCM	Set	
DPDM	Set	
DTCM	Set	
ESM	Set	

BCM (PT)	Set	
ITBM	Not Set	
TPM	Not Set	
ABS	Not Set	
TCM	Set	
AFLS	Not Set	
ANC	Not Set	
AHLM/AFLS	Not Set	
ORC	Set	
SCCM	Set	
PTS	Not Set	
SGW	Set	
ASCM	Not Set	
ELSD	Not Set	
ASBS	Not Set	
Tachometer Type	Tachometer Type 1 / Type 1	
Increasing speed constant	Increasing 0 KPH	
Speedometer Tolerance	0 Percent Tolerance	
Steering C Factor	Type 3	
Rear Defrost Presence	Present	
Heated Mirrors Present	Present	
Engine Displacement	Signal Not Available / SNA	
EVIC Switch Module Present	Set	
VTA System Present	VTA	
Illuminated Approach Interior Lighting Target Percentage	100 (50%)	
Washer Fluid Level Voltage Threshold	4.46 volts	
Manual Trans Present	Not Set	
Compass Mounting Angle	0	Degree
Compass Mounting Orientation	Upside Down	
DC to DC Converter #2 Present	Not Set	
IBS Present	Set	
Illuminated Approach Interior Lighting Ramp Up Time	130(2600ms)	
Panic Enable	Set	
Humidity Sensor Present	Not Set	
Auto Relock Time	60	seconds
ASBMM Present	Not Set	
Illuminated Approach Taillamp Target Percentage	165 (82.50%)	
DC to DC Converter Present	Not Set	
ASBM Present	Not Set	
Illuminated Approach Headlamp Target Percentage	165 (82.50%)	
CRVMM Present	Set	
Reserved	Reserved	
2nd Row Seat Airbags Present	False	
Tow Hooks Present	True	

Passenger Kneebag Present	False	
Integrated EPP Present	False	
Driver Kneebag Present	False	
BUX vehicle	False	
Reserved	Reserved	
Curtain Airbags Present	False	
ODS Present	False	
Passive Ped Pro Present	False	
BCM (Interior Bus)	Set	
ITM	Not Set	
HVAC	Set	
PTCM	Set	
LBSM	Not Set	
HSM	Set	
RBSM	Not Set	
TBM	Not Set	
AMP	Set	
HVAC_R	Not Set	
Radio	Set	
EDM	Not Set	
Right Low Beam Voltage Regulation	13.6 Volts	
Signature Light Present	Present	
Dual Filament Headlamp	Not Present	
Left High Beam Voltage Regulation	13.6 Volts	
Auto Headlamp On Threshold	3.31409	Volt
Left Low Beam Voltage Regulation	13.6 Volts	
Right Front Corner Voltage	13.6 Volts	
Left Rear Corner Voltage	12.8 Volts	
Right High Beam Voltage Regulation	13.6 Volts	
Right Rear Corner Voltage	12.8 Volts	
Auto Headlamp Off Threshold	2.54930	Volt
Front Turn Lamp Diagnostics	Present	
Left Front Corner Voltage	13.6 Volts	
Left Front Lamp Diagnostics Present - Pin F25	Set	
Backup Reverse Lamp Right Present - Pin E1	Set	
Stop/Turn Lamp or Stop Lamp Present Pin E2 & F40	Stop/Turn Lamp	
Right High Beam Present - Pin A2	Set	
Right Front Lamp Diagnostics Present - Pin F28	Set	
Brake Fluid Level Switch Signal Present - Pin D21	Not Set	
Backup Reverse Lamp Left Present - Pin F41	Set	
Left High Beam Present - Pin D1	Set	
Left Rear Turn Lamp Diagnostics Present - Pin F27	Set	
Right Rear Turn Lamp Diagnostics Present - Pin F31	Set	

RADIO CONFIGURATION

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

ABSO CONFIGURATION

NAME	VALUE	UNITS
Trans Type	ZF_8spd	
Drive Configuration	Selectable 4WD	
Displacement	2.0	No Unit
Hybrid Type	PHEV	
Vehicle Line Identification	JL	
Chassis Type	Type 88	
Axle Ratio	3.726	No Unit
Tire Circumference	97	inch



VEHICLE SCAN REPORT

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

Odometer 130.4 miles
Publication Date Mar 14, 2022, 11:23:44 AM

ECU SUMMARY INFO

ECU	NAME	BUS TYPE	FLASH PART #	CURRENT VIN	ORIGINAL VIN	PART #
TCM	Transmission Control Module	CAN-C	68563824AB	[REDACTED]	[REDACTED]	68563824AB
PCM	Powertrain Control Module	CAN-C	05188188AC	[REDACTED]	[REDACTED]	05188188AC
ICS	Integrated Center Stack	CAN-I	6SX95DX9AE	[REDACTED]	[REDACTED]	6SX95DX9AE
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	68547688AB	[REDACTED]	[REDACTED]	68547688AB
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
SCCM	Steering Column Control Module	CAN-C	68526258AA	[REDACTED]	[REDACTED]	68526258AA
BCM	Body Controller	CAN-C	68525356AC	[REDACTED]	[REDACTED]	68525355AC
RADIO	Radio	CAN-I	68472587AJ	[REDACTED]	[REDACTED]	68472587AJ
OCM	Occupant Classification	CAN-C	68403128AA	[REDACTED]	[REDACTED]	68403128AA
BPCM	Battery Pack Control Module	CAN-C	05193168AH	[REDACTED]	[REDACTED]	05193168AH
HCP	Hybrid Control Processor	CAN-C	68540072AC	[REDACTED]	[REDACTED]	68540072AC
AHCP	Auxiliary Hybrid Control Processor	CAN-C	68540084AC	[REDACTED]	[REDACTED]	68540084AC

ABSO	Anti Lock Brakes OBD	CAN-C	68532850AC			68532850AC
SGW	Security Gateway Module	CAN-C	68532299AB			68532299AB
DPDM	Driver Presence Detection Module	CAN-C	68403129AA			68403129AA
IDCM	Integrated Dual Charge Module	CAN-C	05185035AQ			05185035AQ

ECU SUMMARY INFO (CONT...)

ECU	COUNTRY CODE	HARDWARE VERSION	SOFTWARE VERSION	IDENT	CVNS
TCM	USA / USA	13 05 0E	15 2B 00	4700	B45089CC
PCM	USA	1D 47	21 22 00	4928	F2D8C737
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	
SCCM	USA	13 28 00	13 29 00	4301	
BCM	USA	0D 11 00	15 21 50	4630	
RADIO	USA	15 20 14	15 20 14	8205	
OCM	USA	11 31 01	11 07 04	4060	
BPCM	Rest of world / ROW	13 0C 04	15 24 42	5701	49906456
HCP	USA	15 0C 04	15 11 63	5403	AFAF52A5 824EB791 4C99835C
AHCP	USA	15 0C 04	14 33 01	5600	
ABSO	USA	15 26 00	15 22 03	4300	D74722B2
SGW		5	1125	4103	
DPDM	USA	11 31 01	11 0F 04	4510	
IDCM	USA	15 0E 00	15 28 00	4000	

DTC SUMMARY

ECU	DTC CODE	DTC DESCRIPTION	STATUS
BPCM	P0C78-00	Hybrid/EV Battery System Precharge "A" Time Too Long-	Active
HCP	P0A79-00	Drive Motor B Inverter Performance-	Active

ENVIRONMENTAL DATA SUMMARY

BPCM | P0C78-00 | Active | Hybrid/EV Battery System Precharge "A" Time Too Long-

NAME	VALUE	UNITS
DTC	0C 78 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	
Occurrence flag	ERROR	
Original Odometer Value	130.4	miles
Most Recent Odometer Value	130.4	miles
Frequency Counter	1	
Ignition Cycle Counter	0	
FoM - for this DTC (lifetime fails)	1	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	1134019	seconds
Key in Ignition	Key_Def	
EPT -WakeUp	Sourced	
HCP Contactor Command	CLS	
Contactor Status	PreCharging Inhibited	
Plug in Status	Not plugged in	
Balance Mode	False	
Vehicle Speed	0.0	MPH
System (12) Volts at time of fault	11.710	Volts
Battery Lifetime AmpHrs of Charge	127.1	AHr
Battery Lifetime AmpHrs of DisCharge	96.6	AHr
HVIL Status -Vehicle	PASS	
Cycles left to self heal	40	No Unit
HV Battery Charge Power 2sec	34533	watts
HV Battery Charge Power 10sec	29796	watts
HV Battery Discharge Power 2sec	100182	watts
HV Battery Discharge Power 10sec	97230	watts
Key - DriveRdy (CAN)	False	
Battery Lifetime Number Of Closes	75	
Battery Full AmpHr Capacity	49.5	AmpHrs
Battery Cell Voltage Maximum	4030	mV
Battery Cell Voltage Minimum	4017	mV
Battery Cell Voltage Average	4023	mV
Battery Temperature Maximum Module	34	°F
Battery Temperature Minimum Module	34	°F
Battery Temperature Average Module	34	°F

DTC Extended Data Record Number - All	01	
DTC Extended Data Record Number - 2	02	
HV Battery Charge Power 30sec	23484	watts
HV Battery Discharge Power 30sec	65406	watts
Key Position	Ignition Status: Ignition Off and Accessory	
SOC	84.7	%
HV Bat SOH-R	100.0	%
HV Bat SOH-C	100.0	%
Cell Impedance Max Discharge	0.968	mOhms
Cell Impedance Min Discharge	0.968	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	59	
Battery Cell Lowest Cell number	26	
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)	386.20	Volts
HV Battery Voltage (Module Sum)	386.30	Volts
Battery Temperature Highest Sensor number	10	
Battery Temperature Lowest Sensor number	05	
HV Cooling Battery coolant inlet temp	36	°F
HV Cooling Battery coolant outlet temp	36	°F
BPCM temperature max	36	°F
BPCM temperature min	36	°F
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)	4.194	Mega Ohms
Battery Isolation Impedance (Negative side)	4.194	Mega Ohms
Battery Isolation Impedance (Equivalent)	4.194	Mega Ohms
Engine Speed	0	rpm
Accelerator position	0.0	%
GPS_Date - Year	58887	Year
GPS_Date - Month	3	
GPS_Date - Day	14	Days

UTC_Time - Hours	15	Hours
UTC_Time - Minutes	22	
UTC_Time - Seconds	0	seconds

HCP | POA79-00 | Active | Drive Motor B Inverter Performance-

NAME	VALUE	UNITS
DTC	0A 79 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	10	
Occurrence flag	Occurrence	
Original Odometer Value	130.4	miles
Most Recent Odometer Value	130.4	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	947814400	sec
RAM stamps keyOn	585	sec
RAM Stamps	1510	Min
Accelerator Pedal Position	0	%
Engine Coolant Temperature	34	°F
Engine Speed	0	rpm
Vehicle Speed	0.0000	MPH
HV Battery SOC	85	%
Brake Switch Status	Not Applied	
Battery Feed Voltage 1 Sense	11.736	Volts
Battery Feed Voltage 2 Sense	11.736	Volts
Battery Feed Voltage 3 Sense	11.664	Volts
Internal EPS Voltage Sense A	0.000	Volts
Internal EPS Voltage Sense B	0.000	Volts
Hybrid System State	SNA	
Outside Air Temperature	48.2	°F
Ignition State	Reserved	
Propulsion System Active	False	
HV Contactor Status	Open	
APM Status	Off	
Impact Event	False	

PRND Position Display	P	
Distance Travelled with Light ON	0	miles
HV Battery Sleep Time	0	Days
eMotor A Shutdown History [0]	0-NO_FAULT	
eMotor A Shutdown History [1]	0-NO_FAULT	
eMotor A Shutdown History [2]	0-NO_FAULT	
eMotor A Fault History [0]	0-NO_FAULT	
eMotor A Fault History [1]	0-NO_FAULT	
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]	104-Gate Driver Fail	
eMotor B Shutdown History [1]	454-Gate Driver Phase Watchdog	
eMotor B Shutdown History [2]	0-NO_FAULT	
eMotor B Fault History [0]	104-Gate Driver Fail	
eMotor B Fault History [1]	454-Gate Driver Phase Watchdog	
eMotor B Fault History [2]	9-Igbt Saturation	
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	0.85	A
eMotor A Current Ia Min	-1.55	A
eMotor A Current Ib Max	1.85	A
eMotor A Current Ib Min	-1.20	A
eMotor A Current Ic Max	0.80	A
eMotor A Current Ic Min	-1.65	A
eMotor A Current Id Max	1.50	A
eMotor A Current Id Min	-0.55	A
eMotor A Current Iq Max	1.75	A
eMotor A Current Iq Min	-1.00	A
eMotor A Current Sum Max	2.05	A
eMotor A Current Sum Min	-2.45	A
eMotor A HV Input voltage Max	0.60	Volts
eMotor A HV Input voltage Min	0.04	Volts
eMotor A speed max mrads	9.1250	rad/s
eMotor A speed min mrads	-9.1250	rad/s
eMotor B Current Ia Max	1.50	A
eMotor B Current Ia Min	-1.55	A
eMotor B Current Ib Max	2.20	A
eMotor B Current Ib Min	-0.85	A
eMotor B Current Ic Max	1.10	A
eMotor B Current Ic Min	-0.85	A
eMotor B Current Id Max	0.00	A
eMotor B Current Id Min	-0.15	A
eMotor B Current Iq Max	0.25	A
eMotor B Current Iq Min	0.10	A
eMotor B current Sum Max	2.85	A
eMotor B current sum Min	-2.15	A
eMotor B HV Input Voltage Max	0.00	Volts
eMotor B HV Input Voltage Min	0.00	Volts
eMotor B speed Max mrads	0.1250	rad/s
eMotor B speed Min mrads	-0.1250	rad/s
eMotor A Current Ia Offset	0.65	A
eMotor A Current Ib Offset	0.40	A
eMotor A Current Ic Offset	-0.20	A

eMotor B Current Ia Offset	0.65	A
eMotor B Current Ib Offset	0.40	A
eMotor B Current Ic Offset	-0.20	A
eMotor A HV Battery Voltages	386.20	Volts
eMotor A HV input Voltages	0.18	Volts
eMotor B HV Battery Voltages	386.20	Volts
eMotor B HV input Voltages	0.00	Volts
eMotor A Motoring Torque Limit	39.09	Ft-Lbs
eMotor A Regenerative Torque Limit	-39.09	Ft-Lbs
eMotor B Motoring Torque Limit	0.00	Ft-Lbs
eMotor B Regenerative Torque Limit	0.00	Ft-Lbs
eMotor A Torque command	0.00	Ft-Lbs
eMotor A Torque achieved	-0.01	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	0	rpm
eMotor A Temperature Stator	34	°F
eMotor A Temperature Inverter Model	32	°F
eMotor A Temperature Inverter 0	39	°F
eMotor A Temperature Inverter 1	36	°F
eMotor A Temperature Inverter 2	36	°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	576	sec
eMotor B OS Runtime Seconds	577	sec
eMotor B Temperature Stator	32	°F
eMotor B Temperature Inverter Model	32	°F
eMotor B Temperature Inverter 0	39	°F
eMotor B Temperature Inverter 1	392	°F
eMotor B Temperature Inverter 2	37	°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	401.32	Volts
eMotor A Lifetime Max Phase Current	322.90	A
eMotor A Lifetime General Retry Events	0	
eMotor A Key Cycle Max Voltage	0.74	Volts

eMotor A Key Cycle Max phase Current	2.85	A
eMotor A Key Cycle General Retry Events	0	
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	400.54	Volts
eMotor B Lifetime Max Phase Current	932.95	A
eMotor B Lifetime General retry Events	241	
eMotor B key Cycle max Voltage	1.88	Volts
eMotor B key Cycle max Phase Current	2.70	A
eMotor B key Cycle General Retry Events	100	
eMotor A MTMR Fault Word	00 00 00	
eMotor B MTMR Fault Word	00 00 00	
GPS Date - Year	58887	Year
GPS Date - Month	3	
GPS Date - Day	14	Days
UTC Time - Hours	14	Hours
UTC Time - Minutes	17	
UTC Time - Seconds	1	seconds
ECU Time - Milliseconds	57	ms

SNAPSHOT DATA SUMMARY

No Snapshot Data available for P0C78-00

No Snapshot Data available for P0A79-00