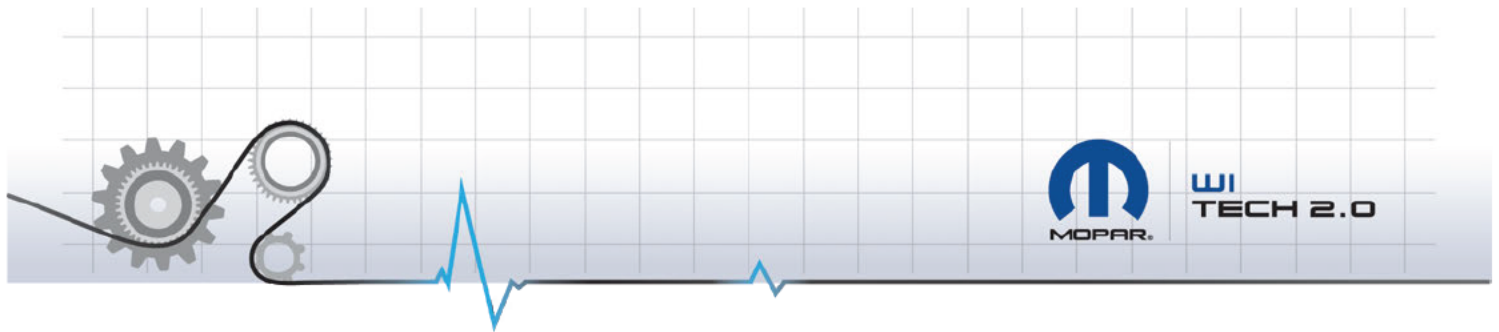


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CONFIGURATION REPORT

Vehicle 2021 CHRYSLER PACIFICA (PHEV) 3.6L V6 HYBRID ENGINE
VIN [REDACTED]

Odometer 2871.4 miles
Publication Date Feb 14, 2022, 10:10:10 AM

ECU SUMMARY INFO

ECU	NAME	BUS TYPE	FLASH PART #	CURRENT VIN	ORIGINAL VIN	PART #
PCM	Powertrain Control Module	CAN-C				
PLGM	Power Liftgate	CAN-I	68466171AI	[REDACTED]	—	68466171AI
ICS	Integrated Center Stack	CAN-I	6XY201X8AA	[REDACTED]	[REDACTED]	6XY201X8AA
RFH	Radio Frequency Hub	CAN-C	68500152AA	[REDACTED]	[REDACTED]	68500152AA
ESM	Electronic Shifter	CAN-C	68240089AN	[REDACTED]	[REDACTED]	68240089AN
ORC	Occupant Restraint	CAN-C				
EPS	Electric Power Steering	CAN-C				
ANC	Active Noise Cancellation	CAN-I	68440556AB	[REDACTED]	[REDACTED]	68440556AB
HVAC	Heat, Ventilation and A/C	CAN-I	68493454AE	[REDACTED]	[REDACTED]	68493454AE
DDM	Driver Door Module	CAN-I	68496463AB	[REDACTED]	[REDACTED]	68496463AB
PDM	Passenger Door Module	CAN-I	68496462AB	[REDACTED]	[REDACTED]	68496462AB
DMRL	Door Module Rear Left	CAN-I	68508894AB	[REDACTED]	[REDACTED]	68508894AB
DMRR	Door Module Rear Right	CAN-I	68508894AB	[REDACTED]	[REDACTED]	68508894AB
PSDML	Power Sliding Doors (Left)	CAN-I	68369596AD	[REDACTED]	[REDACTED]	68369596AD
PSDMR	Power Sliding Doors (Right)	CAN-I	68369596AD	[REDACTED]	[REDACTED]	68369596AD
MSM	Memory Seat Module	CAN-I	68321862AC	[REDACTED]	[REDACTED]	68321862AC
IPC	Instrument Panel Cluster	CAN-C	68434960AE	[REDACTED]	[REDACTED]	68434960AE
PTS	Parktronics	CAN-C				
SCCM	Steering Column Control Module	CAN-C	68531524AA	[REDACTED]	[REDACTED]	68531524AA
BCM	Body Controller	CAN-C	68491085AG	[REDACTED]	[REDACTED]	68491085AG

ACC	Adaptive Cruise Control	CAN-C				
RADIO	Radio	CAN-I	68465290AE			68465290AE
OCM	Occupant Classification	CAN-C				
HVACR	Heat, Ventilation and A/C Rear	CAN-I	68373079AB			68373079AB
LBSS	Left Blind Spot Sensor	CAN-I				
RBSS	Right Blind Spot Sensor	CAN-I				
FFCM	Forward Facing Camera Module	CAN-C				
APM	Accessory Power Module	CAN-C	05185046AB			05185046AB
BPCM	Battery Pack Control Module	CAN-C	05193183AF			05193183AF
HCP	Hybrid Control Processor	CAN-C	05185116AH			05185116AH
OBCM	On Board Charging Module	CAN-C	05185047AE			05185047AE
DSM	Display Screen Module	CAN-I	68438382AF			68438382AF
RCCC	Rear Cabin Comfort Controls	CAN-I	6WL30DX9AA			6WL30DX9AA
EAC	Electric A/C Compressor	CAN-C	68237995AG			68237995AG
AHCP	Auxiliary Hybrid Control Processor	CAN-C	05185117AH			05185117AH
EBBM	Electronic Brake Booster Module	CAN-C	68461813AB			68461813AB
ABSO	Anti Lock Brakes OBD	CAN-C	68471122AD			68471122AD
SGW	Security Gateway Module	CAN-C	68488429AB			68488429AB

ECU SUMMARY INFO (CONT...)

ECU	COUNTRY CODE	HARDWARE VERSION	SOFTWARE VERSION	IDENT	CVNS
PCM					F2DB13B9
PLGM	USA	0	5084	000200000034	
ICS	USA	0F 0C 00	13 31 01	4700	
RFH	USA / USA	10 17 00	13 26 00	4A00	
ESM	USA / USA	13 02 00	14 23 FF	4402	
ORC					
EPS					
ANC	USA	0F 05 01	12 2C 01	4210	
HVAC	USA	0E 09 00	14 2F 01	4401	
DDM	USA	11 07 00	14 07 00	4202	
PDM	USA	11 07 00	14 07 00	4202	
DMRL	USA / USA	10 0B 00	14 08 00	4201	

DMRR	USA / USA	10 0B 00	14 08 00	4201	
PSDML	USA / USA	10 17 00	14 10 12	4001	
PSDMR	USA / USA	10 17 00	14 10 12	4001	
MSM	USA	0F 2B 00	10 27 03	4101	
IPC	USA / USA	12 06 00	14 2B 00	4705	
PTS					
SCCM	USA	13 28 00	13 29 00	4301	
BCM	USA	0D 11 00	14 26 90	4420	
ACC					
RADIO		65	5672	000200000008	
OCM					
HVACR	USA	0E 09 00	10 03 02	4301	
LBSS					
RBSS					
FFCM					
APM	USA / USA	11 32 00	11 32 00	4001	
BPCM	Not programmed / COUNTRY_SNA	0E 03 00	15 07 00	4005	ECDEAC18
HCP	USA	11 1F 04	0F 2D 00	4006	879F1587 D754327D 050DC953
OBCM	USA	0F 0D 00	12 02 00	4002	
DSM	USA / USA	14 0C 00	15 06 00	4300	
RCCC	USA	0F 1D 00	13 04 00	4000	
EAC	USA	0E 34 00	12 0F 00	4102	
AHCP	USA	11 1F 04	0F 2D 00	4000	
EBBM	USA	0E 19 02	14 0D 18	4000	E5898FA5
ABSO	USA	0E 15 02	14 1B 26	4201	4F158D1B
SGW		5	969	4103	

CONFIGURATION

ICS CONFIGURATION

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

RFH CONFIGURATION

NAME	VALUE	UNITS
Hardware Configuration: Trunk Door Handle H/W	Simple Switch AP	
Hardware Configuration: Remote Start Antenna	Present	
Hardware Configuration: Front Right Door Handle H/W	Serial AP	
Hardware Configuration: Front Left Door Handle H/W	Serial AP	
Hardware Configuration: Rear Right Door Handle H/W	No AP	
Hardware Configuration: Rear Left Door Handle H/W	No AP	

Valid Key In Ignition	Yes	
Fob Location #3 Successfully Programmed	No	
Fob Location #5 Key sense status	Fob is NOT Key Sense	
Secret Key Sent to Body Controller - Original attempt	Yes	
Fob Location #7 Key sense status	Fob is NOT Key Sense	
Fob Location #3 Key sense status	Fob is NOT Key Sense	
Fob Location #7 Successfully Programmed	No	
Fob Location #6 Successfully Programmed	No	
Fob Location #5 Successfully Programmed	No	
Fob Location #8 Key sense status	Fob is NOT Key Sense	
PIN Successfully Programmed	Yes	
RFHub Locked	RFHUB Locked after IAC write	
Fob Location #1 Key sense status	Fob is NOT Key Sense	
Fob Location #4 Key sense status	Fob is NOT Key Sense	
Fob Location #6 Key sense status	Fob is NOT Key Sense	
Fob Location #1 Successfully Programmed	Yes	
Secret Key Sent to Body Controller - Most recent attempt	Yes	
Fob Location #2 Successfully Programmed	Yes	
Fob Location #4 Successfully Programmed	No	
Fob Location #2 Key sense status	Fob is NOT Key Sense	
VIN Successfully Programmed	Yes	
Fob Location #8 Successfully Programmed	No	
Base TPM	False	
Auto Park Present	True	
e-shifter present	True	
Secret Codes Programmed	True	
KeySense Configuration	False	
Ignition system type connected	KIN system	
RKE	True	
Remote Start Present	True	
\$0214 Programmed by	Programmed by Supplier EOL	
TPM Auto-Locate Enabled	True	
Keyless Go	True	
Passive Entry	True	
Hybrid Type	PHEV	
Module Configuration Status	True	
Premium TPM	True	
Back Up ECU Configuration 16	True	
Back Up ECU Configuration 14	True	
Back Up ECU Configuration 7	True	
Back Up Vehicle Config 1	True	
Back Up ECU Configuration 10	True	
Back Up ECU Configuration 11	True	
Back Up Vehicle Config 4	True	

Back Up Vehicle Config 3	True	
Back Up Customer Settings Menu 1 (CSM1)	True	
Back Up ECU Configuration 2	True	
Back Up ECU Configuration 1	True	
Back Up ECU Configuration 9	True	
Back Up Programmed ECUs: Cabin Network	True	
Back Up Vehicle Config 5	True	
Back Up ECU Configuration 3	True	
Back Up Customer Settings Menu 2 (CSM2)	True	
Back Up Vehicle Config 6	True	
Back Up ECU Configuration 12	True	
Back Up Programmed ECUs: P/T Chassis Network	True	
Back Up ECU Configuration 4	True	
Back Up ECU Configuration 17	True	
Back Up ECU Configuration 8	True	
Back Up ECU Configuration 13	True	
Back Up Vehicle Config 7	True	
Back Up ECU Configuration 5	True	
Back Up Vehicle Config 2	True	
Back Up ECU Configuration 15	True	
Back Up ECU Configuration 6	True	

ANC CONFIGURATION

NAME	VALUE	UNITS
Premuim - 2 (12 Channel)	False	
Premuim - 1 (8 channel)	False	
Premium - 3 (SRT8)	True	
Door Module - Left Rear	Present	
NetCFG Stat AT, I, PT	Request Data	
Door Module - Right Front	Present	
Door Module - Right Rear	Present	
Door Module - Left Front	Present	
Current ANC Calibration ID - Service	Harman ANC Module 3.6L	
ANC Calibration Date - Year	18	
ANC Calibration Date - Patch	4	
ANC Calibration Date - Week	45	
Left/Right Hand Drive	SNA / Not Programmed	
ANC Status	Off - Door Mute	

HVAC CONFIGURATION

NAME	VALUE	UNITS
HVAC Configuration	Dual Zone ATC + Rear	
Single Zone MTC Control (BB)	False	
DualZone ATC Control (BB)	True	

Dual Zone MTC Control (BB)	False	
MTC Without EBL (3Knob)	False	
MTC With EBL (3Knob)	False	
DualZone ATC Control (Factory) (BB)	True	
MTC heater only (3Knob)	False	

PDM CONFIGURATION

NAME	VALUE	UNITS
Frameless Window	False	

PSDML CONFIGURATION

NAME	VALUE	UNITS
VSIM Status	False	

PSDMR CONFIGURATION

NAME	VALUE	UNITS
UPFM Status (Present = True, Absent = False)	False	

MSM CONFIGURATION

NAME	VALUE	UNITS
Adjustable Pedals	False	
Telescope/Tilt	False	

IPC CONFIGURATION

NAME	VALUE	UNITS
PHEV	True	
Rear Fog Lamp	False	

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	
Vehicle Configuration 7 - Write Counter	4	
ECU Configuration 15 (CBC Features)	4	
ECU Configuration 9A	4	

ECU Configuration 15 (Suspension)	4	
ECU Configuration 12	4	
ECU Configuration 4	4	
ECU Configuration 13	4	
ECU Configuration 14	4	
Vehicle Configuration 5 - Write Counter	4	
Programmed ECUs: P/T Chassis Network	4	
ECU Configuration 5 (Memory)	4	
ECU Configuration 10	4	
Vehicle Configuration 2 - Write Counter	4	
ECU Configuration 7 (CBC Exterior Lighting Calibrations)	4	
ECU Configuration 6 (Safety)	4	
Vehicle Configuration 3 - Write Counter	4	
Programmed Network Configuration - Audio / Telematics Network	0	
ECU Configuration 2 (CBC Features)	4	
ECU Configuration 1 (CBC Configurable Inputs and Outputs)	4	
ECU Configuration 6 (Suspension)	4	
ECU Configuration 5 (Wireless)	4	
ECU Configuration 11	4	
ECU Configuration 8 (LIN and Miscellaneous)	4	
Vehicle Config CSM2	4	
Vehicle Configuration Auto Write Counter	1	
ECU Configuration 6 (Powertrain)	4	
Vehicle Configuration 6 - Write Counter	4	
ECU Configuration 3	4	
Vehicle Configuration 1 - Write Counter	4	
Last Configuration Odometer	0	miles
ECU Configuration 9 (ITM)	4	
ECU Configuration 6 (Brake)	4	
ECU Configuration 5 (Doors)	4	
Programmed ECUs: Cabin Network	4	
Programmed ECUs: Hybrid LAN Network	0	
Vehicle Configuration 4 - Write Counter	4	
Vehicle Config CSM1	4	
Auto Highbeam	Set	
Select Speed Control Feature Present	Not Set	
Model Year	2021	
Shifter Type	5 Position Rotary Eshifter PRNDL / Type RS5L	
Emode Present	Not Set	
Remote Start Present	Set	
PTS Configuration	Rear / REAR	
Maximum Vehicle Speed	0	MPH
Special Packages	74	
Hill Descent Feature Present	Not Set	

Performance Pages Present	Not Present	
Left/Right Hand Drive	Left Hand Drive	
Body Style	Station Wagon	
Drive Configuration	2WD Front	
Vehicle Line	RU	
Country Code	USA	
Thatcham Present	Not Set	
Off Road Capable	Not Set	
Special Packages IC	Pacifica	
Power Inverter Type	No Power Inverter	
Max Load Inflation Pressure Rear Tire	36.0	PSI
Max Load Inflation Pressure Front Tire	36.0	PSI
Cruise Feature is Present	Not Set	
Rain Sensor Present	Set	
Flipper Glass Present	Not Set	
Air Conditioning Present	Not Set	
SKIM System Present	Not Set	
Full Size Spare	Not Set	
Two Fuel Sending Units Present	Not Set	
Premium TPM system present	Set	
Fuel Capacity	17	gallons
Chassis Type	Type 8	
Power Left Sliding Door Present	Set	
Passive Entry Present	Set	
Liftgate/Trunk Type	Power Liftgate	
T-Case Type	Not Present / Not Present	
Auto Park Present	Set	
Door Alert Feature Present	Not Set	
FOBIK Safe Enable	Set	
Vehicle Brand	Chrysler	
HVAC Configuration	Dual Zone ATC + Rear	
Base TPM system present	Not Set	
Vehicle is an SRT	Not Set	
Auto Headlamp Feature Present	Set	
Collision Mitigation System present	Set	
Display Compass Heading Present	Set	
Paddle Shift Feature Present	Not Set	
Window Express Feature Configuration	Front windows express only	
RKE System Present	Set	
Disable Display of Radio Clock	Not Set	
High Intensity Discharge Head Lamps	Set	
Power Right Sliding Door Present	Set	
Display Outside Temperature Present	Set	
Forward Collision Warning present	Set	

ELV Present	Not Set	
Wheel Base	Wheel base not programmed / WB_NP	
Police Lighting Feature	Not Set	
Keyless Go Present	Set	
Secondary Lock Present	Not Set	
ESCL system present	Not Set	
Sport Mode Present	Not Set	
Adjustable Pedal Feature Present (non-Memory)	Not Set	
Transfer Case High Ratio	1.000	No Unit
Dynamic Tire Circumference (All or Rear)	89	inch
Axle Ratio	3.251	
Transfer Case Low Range Reduction Ratio	0.000	
Steering Ratio at Negative Angle 1	0.0	No Unit
Analog Door Sensor Configuration	Driver Door Only Analog Sensor	
Air Quality System Present	Not Set	
Connector D Pin 11: Stop/Turn Trailer Tow Left Output Present	Not Set	
Connector D Pin 12: PHEV ECM Hardwire Wake Up Output Present	Set	
Connectro E Pin 37: Right HID Control Output Present	Not Set	
Connector E Pin 29: Rear Wiper Motor Park Signal Present	Set	
Connector D Pin 9: Trailer Tow Backup Output Present	Not Set	
Connector E Pin 3/Connector F Pin 42: Rear Turn Lamps Output Present	Not Set	
Connector E Pin 41: Charge Port Unlock Output Present	Set	
Connector E Pin 11: Vacuum Switch Input	Not Set	
Connector F Pin 9: Analog Door Ajar Signal Front Driver Present	Set	
Connector G Pin 15: UGDO Feed Output Present	Set	
Connector F Pin 23: Door Lock Switch Signal Front Passenger Present	Set	
Connector E Pin 39/Connector F Pin 5: Rear Fog Lamps Output Present	Not Set	
Connector E Pin 4/Connector F Pin 32: Rear Park Lamps Output Present	Set	
Connector F Pin 8 : Liftgate Release Outside Handle Switch Present	Not Set	
Connector E Pin 34: Vacuum Cleaner Relay Output Present	Not Set	
Connector F Pin 4: Liftgate Release Present	Not Set	
Connector E Pin 5: PHEV Fuel Door Switch Input	Set	
Connector D Pin 22/ Connector D Pin 23: Ambient Temperature Signal/Return Present	Set	
Connector A Pin 3/Connector D Pin 2: Low Beam Output Present	Set	
Connector E Pin 8: PHEV HCP Hardwire Wakeup	Set	
Connector E Pin 42: Charge Port Lock Output Present	Set	
Connector G Pin 9: Ambient Light Dimmer Wheel Input Present	Set	
Connector E Pin 48 (Tied internally to Connector A Pin16): Rear Wiper Motor Control Output Present	Set	
Connector F Pin 6: Fuel Door Motor Output Signal Present	Set	

Connector E Pin 7: Left HID Relay Control Output Present	Not Set	
Connector F Pin 29: Horn Switch Present	Set	
Connector D Pin 10: Trailer Tow Tail Lamp Output Present	Not Set	
Connector F Pin 35: Inverter Enable Relay Output Present	Not Set	
Connector A Pin 10/Connector D Pin 5: Side Markers Output Present	Set	
Connector G Pin 22: VTA Warning LED Output Present	Set	
Connector G Pin 24 (Internally tied to Connector F Pin 7): Ambient Lighting Output	Not Set	
Connector E Pin 9: Run-ACC Y Relay #2 Output Present	Set	
Connector D Pin 7: Stop/Turn Trailer Tow Right Output Present	Not Set	
Connector A Pin 11: Hood Ajar Switch Input Present	Set	
Tunnel Detection	Not Set	
LED Rear Turn Lamps Present	Not Set	
Dual Start Relay System Present	Not Set	
LED Front Fog Lamps Present	Set	
Bi Xenon Headlamps Enable	Not Set	
Fuel Door Release Enabled	Not Present	
Fuel Door Present	Not Set	
Front Wiper Park Enable	Set	
LED Dedicated DRL Present	Not Set	
Hazard Lamp Configuration	Latching Switch	
Park Lamp Loadshed Enable	Set	
LED Front Turn Lamps Present	Not Set	
LED Low Beam Lamps Present	Set	
DRL Dropout Enable	Not Set	
One Touch Lane Change	Set	
Intermittent Wiper States	4 Intermittent Wiper position Switch	
Reversible Washer Pump Enable	Set	
Headlamp Washer Low Fluid Shut-Off Enable	Set	
Headlamp Wash Spray Duration (at 100 ms intervals)	1100ms	
Trailer Tow Present	Not Set	
LED Rear Fog Lamps Present	Not Set	
Front Wiper Wipes After Wash	2 Wipes	
DRL Lamp Location	Low Beam DRL	
Rear Wiper Park Enable	Set	
Exterior Light Loadshed Enable	Set	
Side Repeaters Enable	Not Set	
Headlamp Wash Interval	wash cycle#11	
LED License Lamps Present	Set	
LED Tail Lamps Present	Set	
LED Reverse Lamps Present	Not Set	
Combined Front Park/Turn Feature Enable	Not Set	
Wiper Service Position Enabled	Not Set	
Illuminated approach Enabled	Not Set	

LED Stop Lamps Present	Not Set	
LED CHMSL Lamp Present	Set	
Horn Chirp Allowed	Set	
DRL Configuration	No DRL	
Tip Start Enabled	Set	
Front Fog Lamp Dropout Enable	Set	
LED High Beam Lamps Present	Set	
LED Front Park/Marker Lamps Present	Set	
Combined Rear Lighting Enable	Set	
Headlamp Wash Shot	double	
Quad Headlamps Enable	Set	
Front Heated Seats Present	Not Set	
Destination	United States of America	
Splashscreen Type	Vehicle Brand	
Microphone Type	Peiker 300 mv	
Surround Sound Feature Present	Not Set	
External Port Type	AUX + USB + extra USB	
Rear Camera Present	Set	
Microphone Configuration	2 Microphones	
Heated Steering Wheel Present	Not Set	
Front Park Assist Present	Set	
Disable CD Eject	Not Set	
Microphone Tuning Parameter	Absent [Not Used]	
Power Inverter Present	Not Set	
Cabin Equilization Curve Number	6 Speaker Base (RU)	
Power Door Locks Present	Set	
Antenna Type	Active Primary and no secondary antenna	
Fleet Vehicle Content	Not Set	
AP2 Right Front	Smart Switch	
Vehicle Variant	Undefined	
AP3 Left Rear	CAN	
AP4 Right Rear	CAN	
AP5 Trunk Lock	Simple Switch	
Tip Start Present	Set	
Airport Scenario Trunk	Not Set	
AP1 Left Front	Smart Switch	
AP5 Trunk Unlock	CAN	
Puddle Lamp Present	Not Set	
Passenger Memory Mirror Present	Not Set	
Mirror turn signals present	Set	
Window Motor Type	Not Set	
Electro-chromatic passenger mirror present	Not Set	
Tow Mirror Present	Not Set	
Sun Shade	Not Set	

Rear Door Pre Short Drop	Not Set	
Blindspot Mirror Present	Set	
Passenger Window Lockout	Not Set	
Global Up	Not Set	
Driver Memory Mirrors Present	Not Set	
Folding mirrors present	Not Set	
Heated Mirrors Present	Set	
Global Down	Not Set	
Window Hall Sensors Present	Not Set	
Frameless Window Present	Not Set	
Electro-chromatic driver mirror present	Not Set	
Heated Steering Wheel Present	Not Present	
Rear Heated Seats Present	Not Present	
Tilt/Telescope Steering Present	Not Set	
Driver Memory Seat Present	Not Set	
Stow 'n Assist Present - Driver	Set	
Heated Wheel Material Type	Full Leather	
Heated Seat Material Type	Cloth	
Stow 'n Assist Present - Passenger	Not Set	
Memory Adjustable Pedals Present	Not Set	
Front Vented Seats Present	Not Present	
Brake System ECU Configuration A	value 0	
Dual Alternator Present	Not Set	
ECO Mode Configuration	Remember Previous State with Ignition Key Cycle	
Auto High Beam Module Location	HaLF	
Heatsoak Speed	15	Counter
Connector F Pin 37: Vacuum Cleaner Power Saver Indicator	Not Present	
Connector F Pin 13: Left Sliding Door Switch Input (B-Pillar)	Left B-Pillar sliding Door Switch	
Connector F Pin 29: Horn Switch Present	Horn Switch Input	
Connector E Pin 39: Right Rear Turn Signal	Right Rear Turn Signal	
Connctor F Pin 33: Fuel Door Unlock (BUX)	Not Present	
Max Engine Off Time	220	Time
Ambient Stable Counter Limit	40	Counter
Connector E Pin 3: Left Rear Turn Signal	Left Rear Turn Signal	
Connector F Pin 34: Spare HSD	Not Present	
Connector E Pin 48 (Tied internally to Connector A Pin16): Rear Wiper Motor Control Output Present	Rear Wiper (0)	
Engine Off Clear Time	180	Time
Connector E Pin 28: Secondary Door Ajar Switch Present - PIN E-28	Set	
Manual Door Locks Present	Not Set	
License Plate Lamp Disable	Not Set	
Rain Sensor Module #2 Present	Set	
CHMSL Lamp Output Disable	Not Set	
Connector F Pin 30: Fuel Door Lock (BUX)	Not Present	

Connector G Pin11/Connector G Pin 12: Not Used	ERS	
Connector F Pin 14: Right Sliding Door Switch Input (B-Pillar)	Right B-Pillar Sliding Door Switch	
Humidy Sensor Long Present	Set	
Heatsoak Flush Time	105	Time
Heatsoak Set Time	15	Time
Connector F Pin 15: Driver Door Lock Switch Input	Not Present	
Excess Longitudinal Acceleration Factor	Filter Off	
Nose Dive Threshold	Filter Off	
Acceleration Factor	Filter Off	
Maximum Lateral Change	Filter Off	
Steering Smoothing Factor	Filter Off	
Average Last Lateral Acceleration Values	No Averaging	
Acceleration Threshold	Filter Off	
Brake Smoothing Threshold	Filter Off	
Steering Smoothing Duration	Filter Off	
Brake Smoothing Duration	Filter Off	
Maximum Longitudinal Change	Filter Off	
Steering Smoothing Threshold	Filter Off	
Average Last Longitudinal Acceleration Values	No Averaging	
Excess Lateral Acceleration Factor	Filter Off	
Nose Dive Factor	Filter Off	
Brake Smoothing Factor	Filter Off	
Auto High Beam ON Threshold	25 km/hr	
Horn Chirp Duration	Short	
Parking Light Enable	Not Set	
PE Auto-Relock Feature Enable	Set	
Interior Lighting Night Threshold	4.45147	Volt
Headlamp Soak Delay	1.0 sec	
RKE Auto-Relock Feature Enable	Not Set	
Interior Lighting Day Threshold	4.27498	Volt
VTA Hood Ajar Monitoring	Not Set	
Auto High Beam OFF Threshold	20 km/hr	
Sunroof Present	Not Set	
Temperature Display Resolution	HaLF	
TPMS Configuration	Logic 1 NHTSA Enable Warning	
Smart Alternator Present	Not Set	
Radio Speaker Open Circuit Disable (RR)	Set	
Surround View Camera On/Off Softkey Present	Not Set	
Radio Speaker Open Circuit Disable (LR)	Set	
Radio Speaker Open Circuit Disable (LF)	Set	
Automatic Crash Notification Feature Present	Undefined	
Auto Dimming Mirror Hard Button Present	Set	
Show Phone Information in Cluster	01	
ANC Calibration Parameter Data Set	RU_PHEV_3.6L_SteelRoof_Harman_ANC_R1_Radio	

Drive Mode Version	Version 1	
Radio Speaker Open Circuit Disable (RF)	Set	
Park Assist Tuning Set	Sahara	
IBS Present	Set	
Auto Relock Time	60	seconds
EVIC SWS Module Present	Set	
Alert On Search Timeout	Set	
HFRM Present	Not Set	
Humidity Sensor Present	Set	
Compass Mounting Angle	0	Degree
Panic Enable	Set	
Compass Mounting Orientation	Rightside up	
Fobik Safe Alerts Per Ignition Cycle	2	
OHC Module Present	Set	
Washer Fluid Level Voltage Threshold	4.46 volts	
Alert no Reply	Set	
Illuminated Approach Taillamp Target Percentage	125 (62.5%)	
Illuminated Approach Headlamp Target Percentage	125 (62.5%)	
Illuminated Approach Interior Lighting Ramp Up Time	130(2600ms)	
CRVMM Present	Set	
Alert On System Fault	Set	
VTA System Present	VTA	
Illuminated Approach Interior Lighting Target Percentage	100(50%)	
ESM	Set	
ECM	Set	
BPCM	Set	
AHCP	Set	
APM	Set	
HCP	Set	
ORC	Set	
ESC	Set	
EAC	Set	
EBCM	Set	
OBCM	Set	
ESL	Not Set	
ABS	Not Set	
PTS	Set	
FFCM	Set	
BCM (PT)	Set	
SCCM	Set	
IPC	Set	
OCM	Set	
ABSO	Set	
HCP	Set	

PCM	Set	
ESM	Set	
TCM	Not Set	
EPS	Set	
ACC	Set	
AHLM	Not Set	
ORC	Set	
RFH	Set	
ANC	Set	
HVAC	Set	
EOMR	Set	
BCM (Interior Bus)	Set	
DDM	Set	
PLGM	Set	
ITM	Not Set	
HVACR	Set	
Radio	Set	
FSM	Not Set	
CVPM	Not Set	
DSM	Set	
HSM	Not Set	
PSDML	Set	
PSDMR	Set	
AMP	Not Set	
ICS	Set	
DMRL	Set	
PDM	Set	
MSMP	Not Set	
EDM	Not Set	
DMRR	Set	
VTM	Not Set	
MSM	Set	
EAM	Not Set	
DTV	Not Set	
VRM	Not Set	
Right Rear Corner Voltage	14 Volts	
Right Front Corner Voltage	13.4 Volts	
Front Park/Turn Voltage	Park to Turn ratio 55 Percent	
Auto Headlamp Off Threshold	2.54930	Volt
Auto Headlamp On Threshold	3.31409	Volt
Left Rear Corner Voltage	14 Volts	
Left Low Beam Voltage Regulation	13.6 Volts	
Left High Beam Voltage Regulation	13.6 Volts	
Left Front Corner Voltage	13.2 Volts	

Right High Beam Voltage Regulation	13.8 Volts	
Right Low Beam Voltage Regulation	14 Volts	
Rear View Camera Dynamic Grid Lines Enabled	Set	
Rear View Camera Static Grid Lines Enabled	Not Set	
Headlamps on with Wipers	Set	
Sound Horn on Lock	Set	
Flash Lamps on Lock	Set	
Auto Lock	Set	
Sound Horn On Lock Status	Chirp on 1st press/FIRST	
Daytime Running Lamps	Set	
Sound Horn on Remote Start	Set	
Headlamp Delay Time	30	seconds
Sliding Door Alert	Not Set	
Auto Wipers	Set	
Accessory Delay Time	45	seconds
Auto Highbeam	Set	
Hands Free Sliding Door Enable	Set	
Unlock all doors on 1st press	Set	
Auto Unlock	Set	
Illuminated Approach Time	30	seconds
Sliding Door Chime Enable	Set	
Siren	Not Set	
Tilt	Not Set	
Ultrasonics	Not Set	
Passive Ped Pro Present	False	
Tow Hooks Present	False	
Integrated EPP Present	False	
Passenger Kneebag Present	True	
ODS Present	False	
BUX Market	False	
Curtain Airbags Present	True	
Driver Kneebag Present	True	
1st Row Seat Side Airbags Present	True	
Connector A Pin 2: Right High Beam Feed	AUX High Beam	
Connector D Pin 12: PHEV ECM Hardwire Wake Up	Engine Control Module Wake up (PHEV only)	
Connector E Pin 39: Right Rear Fog Lamp	Output Disable	
Connector F Pin 25: Left Rear Turn Lamp Fault Sense	Disable	
Connector F Pin 29: Horn Switch Input	Horn Switch Input	
Connector F Pin 42: Right Rear Turn Signal	Right Rear Turn Signal	
Connector F Pin 41: Backup-Reverse lamp Left	Not Set	
Connector E Pin 5: E-5 PHEV Fuel Door Switch Input	PHEV Fuel Door Switch	
Stop/Start Enable Switch Present	Not Set	
Connector F Pin 31: Right Sliding Door Ajar	Right Sliding Door Ajar	
Connector E Pin 3: Left Rear Turn Signal	Left Rear Turn Signal	

Connector D Pin 1: Left High Beam Feed	AUX High Beam	
Connector F Pin 27: Left Sliding Door Ajar	Left Sliding Door Ajar	
Connector E Pin 29: Rear Wiper Motor Park Signal	Reserved	
Connector D Pin 21: Brake Fluid Level Switch	no parallel resistor	
Connector E Pin 37: Right HID Relay Control	Right HID Lamp Relay	
Connector E Pin 7: Left HID Relay Control	Left HID Lamp Relay	
Connector F Pin 5: Left Rear Fog Lamp	Output Disable	
Connector F Pin 28: Right Rear Turn Lamp Fault Sense	Disable	
Connector E Pin 1: Backup-Reverse lamp Right	Set	
Connector A Pin 11: Hood Ajar Switch Signal	500 ohm series and 500 ohm parallel resistors	
Connector F Pin 4: Liftgate Release	Trunk/Liftgate Release	
Battery Type II	22	
IBS Minimum Voltage Limit	5.0	Volts
IBS Quiescence Current Limit	-250	mA
IBS Minimal Charge Limit	10	AmpHrs
IBS Minimum Charge Limit	600	mA
Battery Types	SNA	
IBS Activate MWU	Not Set	

RADIO CONFIGURATION

NAME	VALUE	UNITS
Satellite Subscription Status	Subscribed	
Suspend Year	00	
Suspend Month	00	
Reason Code	00	
Suspend Day	00	
Enumerated USB Devices	0	No Unit
USB Hubs Detected	3	No Unit
Aux Jack	Not Inserted	
SD Card Readers Detected	0	No Unit
Splash Screen	Automatic	
High Cut	Off	
12/24 Time Selection	12 Hour Time	
Stereo Blend	Off	
Anti-Theft Enable Status	On	
Automated Loudness	On	
Distortion Limiting	On	
Front Seat Video Playback	Enabled	
Cabin EQ Curve Number Currently Used by Radio	51	events
Clock Defeat	On	

HVACR CONFIGURATION

NAME	VALUE	UNITS
Dual Zone MTC Control (BB)	False	

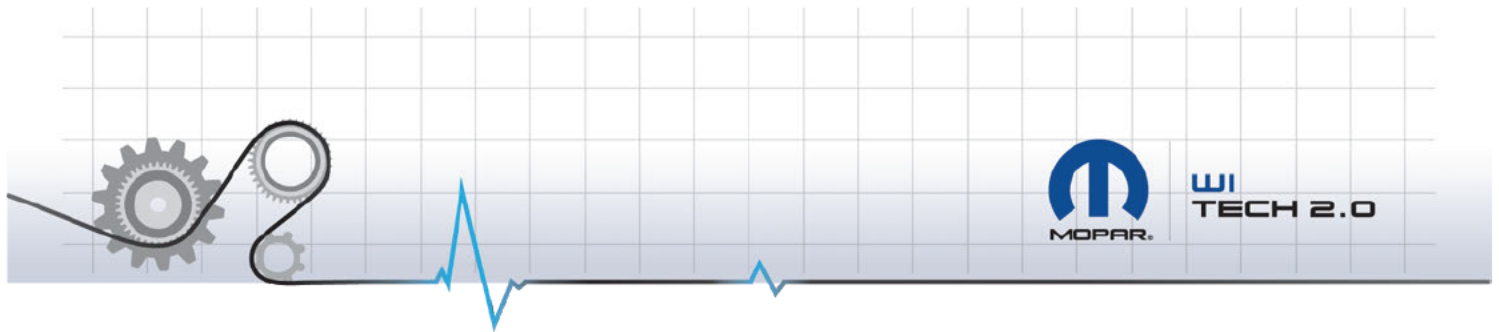
MTC heater only (3Knob)	False	
DualZone ATC Control (BB)	False	
MTC w EBL (3Knob)	False	
MTC wo EBL (3Knob)	False	
Single Zone MTC Control (BB)	False	
DualZone ATC Control (Factory) (BB)	False	

RCCC CONFIGURATION

NAME	VALUE	UNITS
MTC with EBL	False	
DualZone ATC Control	True	
MTC Heater Only	False	
Single Zone MTC Control	False	
Dual Zone MTC Control	False	
DualZone ATC Control	False	
MTC without EBL	False	

ABSO CONFIGURATION

NAME	VALUE	UNITS
Engine Displacement	3.6	No Unit
ESC BLA Enabled	False	
PN ESC Byte2	0	
PN ESC Byte1	0	
Drive Configuration	2WD Front	
Dynamic Tire Circumference	89	inch
VC Chassis Type	Type 8	
Axle Ratio	3.251	No Unit
Hardwired VSO	True	
ACC	True	
Multiple Pressure Sensors	True	
Rear Directional Sensors	True	
Feature PIN	False	
Front Directional Sensors	False	
EPB	True	



VEHICLE SCAN REPORT

Vehicle 2021 CHRYSLER PACIFICA (PHEV) 3.6L V6 HYBRID ENGINE
VIN [REDACTED]

Odometer 2871.4 miles
Publication Date Feb 14, 2022, 8:07:12 AM

ECU SUMMARY INFO

ECU	NAME	BUS TYPE	FLASH PART #	CURRENT VIN	ORIGINAL VIN	PART #
PCM	Powertrain Control Module	CAN-C	68499122AE	[REDACTED]	[REDACTED]	68499122AE
PLGM	Power Liftgate	CAN-I	68466171AI	[REDACTED]	—	68466171AI
ICS	Integrated Center Stack	CAN-I	6XY201X8AA	[REDACTED]	[REDACTED]	6XY201X8AA
RFH	Radio Frequency Hub	CAN-C	68500152AA	[REDACTED]	[REDACTED]	68500152AA
ESM	Electronic Shifter	CAN-C	68240089AN	[REDACTED]	[REDACTED]	68240089AN
ORC	Occupant Restraint	CAN-C	68480710AC	[REDACTED]	[REDACTED]	68480710AC
EPS	Electric Power Steering	CAN-C	68460392AA	[REDACTED]	[REDACTED]	68460392AA
ANC	Active Noise Cancellation	CAN-I	68440556AB	[REDACTED]	[REDACTED]	68440556AB
HVAC	Heat, Ventilation and A/C	CAN-I	68493454AE	[REDACTED]	[REDACTED]	68493454AE
DDM	Driver Door Module	CAN-I	68496463AB	[REDACTED]	[REDACTED]	68496463AB
PDM	Passenger Door Module	CAN-I	68496462AB	[REDACTED]	[REDACTED]	68496462AB
DMRL	Door Module Rear Left	CAN-I	68508894AB	[REDACTED]	[REDACTED]	68508894AB
DMRR	Door Module Rear Right	CAN-I	68508894AB	[REDACTED]	[REDACTED]	68508894AB
PSDML	Power Sliding Doors (Left)	CAN-I	68369596AD	[REDACTED]	[REDACTED]	68369596AD
PSDMR	Power Sliding Doors (Right)	CAN-I	68369596AD	[REDACTED]	[REDACTED]	68369596AD
MSM	Memory Seat Module	CAN-I	68321862AC	[REDACTED]	[REDACTED]	68321862AC
IPC	Instrument Panel Cluster	CAN-C	68434960AE	[REDACTED]	[REDACTED]	68434960AE
PTS	Parktronics	CAN-C	68485851AA	[REDACTED]	[REDACTED]	68485851AA
SCCM	Steering Column Control Module	CAN-C	68531524AA	[REDACTED]	[REDACTED]	68531524AA
BCM	Body Controller	CAN-C	68491085AG	[REDACTED]	[REDACTED]	68491085AG

ACC	Adaptive Cruise Control	CAN-C	68540436AB			68540436AB
RADIO	Radio	CAN-I	68465290AE			68465290AE
OCM	Occupant Classification	CAN-C	68403127AA			68403127AA
HVACR	Heat, Ventilation and A/C Rear	CAN-I	68373079AB			68373079AB
LBSS	Left Blind Spot Sensor	CAN-I	04672786AC			04672786AC
RBSS	Right Blind Spot Sensor	CAN-I	04672786AC			04672786AC
FFCM	Forward Facing Camera Module	CAN-C	68551091AA			68551091AA
APM	Accessory Power Module	CAN-C	05185046AB			05185046AB
BPCM	Battery Pack Control Module	CAN-C	05193183AF			05193183AF
HCP	Hybrid Control Processor	CAN-C	05185116AH			05185116AH
OBCM	On Board Charging Module	CAN-C	05185047AE			05185047AE
DSM	Display Screen Module	CAN-I	68438382AF			68438382AF
RCCC	Rear Cabin Comfort Controls	CAN-I	6WL30DX9AA			6WL30DX9AA
EAC	Electric A/C Compressor	CAN-C	68237995AG			68237995AG
AHCP	Auxiliary Hybrid Control Processor	CAN-C	05185117AH			05185117AH
EBBM	Electronic Brake Booster Module	CAN-C	68461813AB			68461813AB
ABSO	Anti Lock Brakes OBD	CAN-C	68471122AD			68471122AD
SGW	Security Gateway Module	CAN-C	68488429AB			68488429AB

ECU SUMMARY INFO (CONT...)

ECU	COUNTRY CODE	HARDWARE VERSION	SOFTWARE VERSION	IDENT	CVNS
PCM	USA	1B 47	75 01 01	4422	F2DB13B9
PLGM	USA	0	5084	000200000034	
ICS	USA	0F 0C 00	13 31 01	4700	
RFH	USA / USA	10 17 00	13 26 00	4A00	
ESM	USA / USA	13 02 00	14 23 FF	4402	
ORC	USA / USA	12 1A 00	13 2E 00	4301	
EPS	USA / USA	12 2A 00	12 1E 01	4502	
ANC	USA	0F 05 01	12 2C 01	4210	
HVAC	USA	0E 09 00	14 2F 01	4401	
DDM	USA	11 07 00	14 07 00	4202	
PDM	USA	11 07 00	14 07 00	4202	
DMRL	USA / USA	10 0B 00	14 08 00	4201	

DMRR	USA / USA	10 0B 00	14 08 00	4201	
PSDML	USA / USA	10 17 00	14 10 12	4001	
PSDMR	USA / USA	10 17 00	14 10 12	4001	
MSM	USA	0F 2B 00	10 27 03	4101	
IPC	USA / USA	12 06 00	14 2B 00	4705	
PTS	USA	0E 32 00	14 07 00	4311	
SCCM	USA	13 28 00	13 29 00	4301	
BCM	USA	0D 11 00	14 26 90	4420	
ACC	USA / USA	14 2A 01	15 13 01	4400	
RADIO		65	5672	000200000008	
OCM	USA / USA	11 1F 01	0E 2F 02	4030	
HVACR	USA	0E 09 00	10 03 02	4301	
LBSS	USA / USA	11 30 02	15 08 00	4202	
RBSS	USA / USA	11 30 02	15 08 00	4202	
FFCM	USA / USA	11 06 00	15 0C 00	4102	
APM	USA / USA	11 32 00	11 32 00	4001	
BPCM	Not programmed / COUNTRY_SNA	0E 03 00	15 07 00	4005	ECDEAC18
HCP	USA	11 1F 04	0F 2D 00	4006	879F1587 D754327D 050DC953
OBCM	USA	0F 0D 00	12 02 00	4002	
DSM	USA / USA	14 0C 00	15 06 00	4300	
RCCC	USA	0F 1D 00	13 04 00	4000	
EAC	USA	0E 34 00	12 0F 00	4102	
AHCP	USA	11 1F 04	0F 2D 00	4000	
EBBM	USA	0E 19 02	14 0D 18	4000	E5898FA5
ABSO	USA	0E 15 02	14 1B 26	4201	4F158D1B
SGW		5	969	4103	

DTC SUMMARY

ECU	DTC CODE	DTC DESCRIPTION	STATUS
HVAC	B10EB-00	Blower Power Module-	Stored
HCP	P0A78-00	Drive Motor A Inverter Performance-	Stored
HCP	P16F9-00	HCP Internal - Shutdown Performance-	Stored

ENVIRONMENTAL DATA SUMMARY

HVAC | B10EB-00 | Stored | Blower Power Module-

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

Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
Occurrence flag	ERROR	
Original Odometer Value	2863	miles
Most Recent Odometer Value	2863	miles
Frequency Counter	1	
Ignition Cycle Counter	1	

HCP | P0A78-00 | Stored | Drive Motor A Inverter Performance-

NAME	VALUE	UNITS
DTC	0A 78 00	
Test Failed	False	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	True	
Occurrence flag	Occurrence	
Original Odometer Value	2871.4	miles
Most Recent Odometer Value	2871.4	miles
Frequency Counter	2	
Ignition Cycle Counter	0	
Real time clock	16543050	sec
RAM stamps keyOn	0	sec
RAM Stamps	16375	Min
Accelerator Pedal Position	0	%
Brake Switch Status	Applied	
PHEV Charging Status	No Charging	
Engine Speed	0	rpm
HV Battery SOC	26	%
Ignition State	Ignition Off/ACC	
PRND Position Display	P	
Propulsion System Active	False	
Vehicle Speed	0.0000	MPH
Barometric Pressure	15	PSI
Engine Coolant Temperature	61	°F
Actual Torque - Motor A	0.000	Ft-Lbs
Available Motor Torque - Motor A	0.000	Ft-Lbs
Inverter A Input DC Current	0.0	AMP
Electric Motor A Speed	0.0	rpm
Motor A - Inverter Current - phase A	-4	AMP

Motor A - Inverter Current - phase B	-4	AMP
Motor A - Inverter Current - phase C	-4	AMP
Motor A Phase U Short Fault - High-Side	False	
Motor A Phase U Cross Conduction Fault - High-Side	False	
Motor A Phase U Over Current Fault - High-Side	False	
Motor A Phase U Thermal Warning Fault - High-Side	False	
Motor A Phase U Thermal Shutdown Fault - High-Side	False	
Motor A Phase U Comm Error High Voltage Regulator Fault - High-Side	False	
Motor A Phase U Comm Error Low Voltage Regulator Fault - High-Side	False	
Motor A Phase U SPI Error Fault - High-Side	False	
Motor A Phase U Hardware Error Fault - High-Side	False	
Motor A Phase U Short Fault - Low-Side	False	
Motor A Phase U Cross Conduction Fault - Low-Side	False	
Motor A Phase U Over Current Fault - Low-Side	False	
Motor A Phase U Thermal Warning Fault - Low-Side	False	
Motor A Phase U Thermal Shutdown Fault - Low-Side	False	
Motor A Phase U SPI Error Fault - Low-Side	False	
Motor A Phase U Hardware Error Fault - Low-Side	False	
Motor A Phase V Short Fault - High-Side	False	
Motor A Phase V Cross Conduction Fault - High-Side	False	
Motor A Phase V Over Current Fault - High-Side	False	
Motor A Phase V Thermal Warning Fault - High-Side	False	
Motor A Phase V Thermal Shutdown Fault - High-Side	False	
Motor A Phase V Comm Error High Voltage Regulator Fault - High-Side	False	
Motor A Phase V Comm Error Low Voltage Regulator Fault - High-Side	False	
Motor A Phase V SPI Error Fault - High-Side	False	
Motor A Phase V Hardware Error Fault - High-Side	False	
Motor A Phase V Short Fault - Low-Side	False	
Motor A Phase V Cross Conduction Fault - Low-Side	False	
Motor A Phase V Over Current Fault - Low-Side	False	
Motor A Phase V Thermal Warning Fault - Low-Side	False	
Motor A Phase V Thermal Shutdown Fault - Low-Side	False	
Motor A Phase V SPI Error Fault - Low-Side	False	
Motor A Phase V Hardware Error Fault - Low-Side	False	
Motor A Phase W Short Fault - High-Side	False	
Motor A Phase W Over Current Fault - High-Side	False	
Motor A Phase W Thermal Warning Fault - High-Side	False	
Motor A Phase W Thermal Shutdown Fault - High-Side	False	
Motor A Phase W Comm Error Low Voltage Regulator Fault - High-Side	False	
Motor A Phase W SPI Error Fault - High-Side	False	
Motor A Phase W Hardware Error Fault - High-Side	False	
Motor A Phase W Short Fault - Low-Side	False	
Motor A Phase W Cross Conduction Fault - Low-Side	False	
Motor A Phase W Over Current Fault - Low-Side	False	

Motor A Phase W Thermal Warning Fault - Low-Side	False	
Motor A Phase W Thermal Shutdown Fault - Low-Side	False	
Motor A Phase W Comm Error Low Voltage Regulator Fault - Low-Side	False	
Motor A Phase W SPI Error Fault - Low-Side	False	
Motor A Phase W Hardware Error Fault - Low-Side	False	
Motor A Resolver Supply Voltage Value	15.75	Volts
Battery Feed Voltage 2 Sense	14.112	Volts
Battery Feed Voltage 3 Sense	13.968	Volts
Internal EPS Voltage Sense A	8.208	Volts
Internal EPS Voltage Sense B	8.064	Volts
Hybrid System State	Determine Hybrid System State	
PIM DC Link Voltage - A	345	Volts
PIM DC Link Voltage - B	344	Volts
Passive Pump Coolant Temp In Sensor	57	°F
Low Temp Active Pump Speed	0	rpm
High Temp Aux Pump - Actual Speed	264	rpm
Outside Air Temperature	59.0	°F
HV Contactor Status	Closed	
Inverter B Status Feedback	Normal On	
Battery Feed Voltage 1 Sense	14.040	Volts
Actual Torque - Motor B	0.000	Ft-Lbs
Available Motor Torque - Motor B	116.150	Ft-Lbs
Available Regen Torque - Motor A	0.000	Ft-Lbs
Available Regen Torque - Motor B	-116.150	Ft-Lbs
Commanded Torque - Motor A	0.000	Ft-Lbs
Commanded Torque - Motor B	0.000	Ft-Lbs
Motor B - Inverter Current - phase A	-4	AMP
Motor B - Inverter Current - phase B	-4	AMP
Motor B - Inverter Current - phase C	-4	AMP
Motor B Resolver Angle	228	Degree
Motor B Temp Sensor	63	°F
HCP ePT Wake-Up Output	On	
CBC Wake-Up Input	On	
EPT LOC Diag Enable	Disable LOC Daignostic	
HV Battery Voltage from BPCM	344.50	Volts
Electric Motor B Speed	0.5	rpm
Inverter A IGBT Temperature for phase A	59	°F
Inverter A IGBT Temperature for phase B	59	°F
Inverter A IGBT Temperature for phase C	59	°F
Inverter B IGBT Temperature for phase A	59	°F
Inverter B IGBT Temperature for phase B	59	°F
Inverter B IGBT Temperature for phase C	59	°F
APM Status	Buck CV	
Impact Event	False	

HCP System Shutdown Command	Default	
Distance Travelled with Light ON	0	miles
Motor A Torque	0.000	Ft-Lbs
Motor B Torque	0.000	Ft-Lbs
OBCM Operating Mode	UTC	
J1772 Prox Detected State	Prox Out	
HV Battery Sleep Time	0	Days
Commanded Inverter A State	Torque Control	
Inverter Status Feedback	Inverter Faulted	
Motor A Phase U Over Voltage Fault VH - High-Side	False	
Motor A Phase U Under Voltage Fault VH - High-Side	False	
Motor A Phase U Over Voltage Fault VL - High-Side	False	
Motor A Phase U Under Voltage Fault VL - High-Side	False	
Motor A Phase U Over Voltage Fault VDD - High-Side	False	
Motor A Phase U Under Voltage Fault VDD - High-Side	False	
Motor A Phase U Over Voltage Fault VH - Low-Side	False	
Motor A Phase U Under Voltage Fault VH - Low-Side	False	
Motor A Phase U Over Voltage Fault VL - Low-Side	False	
Motor A Phase U Under Voltage Fault VL - Low-Side	False	
Motor A Phase U Over Voltage Fault VDD - Low-Side	False	
Motor A Phase U Under Voltage Fault VDD - Low-Side	False	
Motor A Phase U Comm Error High Voltage Regulator Fault - Low-Side	False	
Motor A Phase U Comm Error Low Voltage Regulator Fault - Low-Side	False	
Motor A Phase V Over Voltage Fault VH - High-Side	True	
Motor A Phase V Under Voltage Fault VH - High-Side	False	
Motor A Phase V Over Voltage Fault VL - High-Side	False	
Motor A Phase V Under Voltage Fault VL - High-Side	True	
Motor A Phase V Over Voltage Fault VDD - High-SideSide	False	
Motor A Phase V Under Voltage Fault VDD - High-Side	False	
Motor A Phase V Over Voltage Fault VH - Low-Side	False	
Motor A Phase V Under Voltage Fault VH - Low-Side	False	
Motor A Phase V Over Voltage Fault VL - Low-Side	False	
Motor A Phase V Under Voltage Fault VL - Low-Side	False	
Motor A Phase V Over Voltage Fault VDD - Low-Side	False	
Motor A Phase V Under Voltage Fault VDD - Low-Side	False	
Motor A Phase V Comm Error High Voltage Regulator Fault - Low-Side	False	
Motor A Phase V Comm Error Low Voltage Regulator Fault - Low-Side	False	
Motor A Phase W Cross Conduction Fault - High-Side	False	
Motor A Phase W Over Voltage Fault VH - High-Side	False	
Motor A Phase W Under Voltage Fault VH - High-Side	False	
Motor A Phase W Over Voltage Fault VL - High-Side	False	
Motor A Phase W Under Voltage Fault VL - High-Side	False	
Motor A Phase W Over Voltage Fault VDD - High-Side	False	
Motor A Phase W Under Voltage Fault VDD - High-Side	False	

Motor A Phase W Comm Error High Voltage Regulator Fault - High-Side	False	
Motor A Phase W Over Voltage Fault VH - Low-Side	False	
Motor A Phase W Under Voltage Fault VH - Low-Side	False	
Motor A Phase W Over Voltage Fault VL - Low-Side	False	
Motor A Phase W Under Voltage Fault VL - Low-Side	False	
Motor A Phase W Over Voltage Fault VDD - Low-Side	False	
Motor A Phase W Under Voltage Fault VDD - Low-Side	False	
Motor A Phase W Comm Error High Voltage Regulator Fault - Low-Side	False	
Inverter A Status Feedback	Inverter Faulted	
GPS Date - Year	0	Year
GPS Date - Month	1	
GPS Date - Day	1	Days
UTC Time - Hours	0	Hours
UTC Time - Minutes	0	
UTC Time - Seconds	3	seconds
ECU Time - Milliseconds	20	ms

HCP | P16F9-00 | Stored | HCP Internal - Shutdown Performance-

NAME	VALUE	UNITS
DTC	16 F9 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	05	
Occurrence flag	Occurrence	
Original Odometer Value	2871.4	miles
Most Recent Odometer Value	2871.4	miles
Frequency Counter	2	
Ignition Cycle Counter	0	
Real time clock	16399218	sec
RAM stamps keyOn	0	sec
RAM Stamps	16375	Min
Accelerator Pedal Position	0	%
Brake Switch Status	Not Applied	
PHEV Charging Status	No Charging	
Engine Speed	0	rpm
HV Battery SOC	26	%
Ignition State	Ignition Lock	
PRND Position Display	P	

Propulsion System Active	False	
Vehicle Speed	0.0000	MPH
Barometric Pressure	15	PSI
Engine Coolant Temperature	176	°F
Main Processor Reset Source - Core 0	Power Up	
Main Processor Reset Source - Core 1	Power Up	
Static NVM CRC Status	Passed	
Cumulative NVM CRC Status	Passed	
Adaptable NVM CRC Status	Passed	
Preserved NVM CRC Status	Passed	
Expendable NVM CRC Status	Passed	
MCPUninit EEPROM CRC Status	Passed	
MCPInit EEPROM CRC Status	Passed	
Non Volatile RAM CRC Status	Passed	
BSW EEPROM CRC Status	Passed	
HCP - MCPA SPI CRC Error Count	00	
HCP - MCPA SPI ARC Error Count	00	
MCPB - MCPA SPI CRC Error Count	00	
MCPB - MCPA SPI ARC Error Count	00	
MemShare CRC Error Count- Core 0	58	
MemShare ARC Error Count- Core 0	00	
MemShare CRC Error Count- Core 1	FF	
MemShare ARC Error Count- Core 1	03	
Main Stack Fault	False	
Main Analog-to-Digital Converter Fault	False	
External Watchdog Fault	False	
MainTPU_Flt	False	
Main Clock Fault	False	
MAIN ALU Fault	False	
MAIN Detected SPI Fault	False	
Main Detected Seed Received In Wrong Order	False	
Battery Feed Voltage 2 Sense	11.448	Volts
Internal EPS Voltage Sense A	0.000	Volts
Internal EPS Voltage Sense B	0.000	Volts
Battery Feed Voltage 1 Sense	11.448	Volts
Battery Feed Voltage 3 Sense	11.304	Volts
Hybrid System State	Evaluate High Voltage Enable	
Actual Torque - Motor A	0.000	Ft-Lbs
Actual Torque - Motor B	0.000	Ft-Lbs
Available Motor Torque - Motor A	93.658	Ft-Lbs
Available Motor Torque - Motor B	221.239	Ft-Lbs
Available Regen Torque - Motor A	-93.658	Ft-Lbs
Available Regen Torque - Motor B	-221.239	Ft-Lbs
Commanded Torque - Motor A	0.000	Ft-Lbs

Commanded Torque - Motor B	0.000	Ft-Lbs
Motor A - Inverter Current - phase A	0	AMP
Motor A - Inverter Current - phase B	-4	AMP
Motor A - Inverter Current - phase C	-4	AMP
Motor B - Inverter Current - phase A	0	AMP
Motor B - Inverter Current - phase B	-4	AMP
Motor B - Inverter Current - phase C	-4	AMP
Motor A Resolver Angle	344	Degree
Motor B Resolver Angle	228	Degree
Motor A Temp Sensor	109	°F
Motor B Temp Sensor	113	°F
Outside Air Temperature	77.0	°F
HCP ePT Wake-Up Output	On	
CBC Wake-Up Input	On	
EPT LOC Diag Enable	Disable LOC Daignostic	
HV Contactor Status	Open	
HV Battery Voltage from BPCM	180.00	Volts
Electric Motor A Speed	0.0	rpm
Electric Motor B Speed	0.0	rpm
PIM DC Link Voltage - A	4	Volts
PIM DC Link Voltage - B	4	Volts
Inverter A IGBT Temperature for phase A	106	°F
Inverter A IGBT Temperature for phase B	106	°F
Inverter A IGBT Temperature for phase C	106	°F
Inverter B IGBT Temperature for phase A	108	°F
Inverter B IGBT Temperature for phase B	106	°F
Inverter B IGBT Temperature for phase C	106	°F
APM Status	Idle	
Impact Event	False	
HCP System Shutdown Command	Default	
Distance Travelled with Light ON	0	miles
Motor A Torque	0.000	Ft-Lbs
Motor B Torque	0.000	Ft-Lbs
OBCM Operating Mode	UTC	
J1772 Prox Detected State	Prox Out	
HV Battery Sleep Time	0	Days
GPS Date - Year	0	Year
GPS Date - Month	1	
GPS Date - Day	1	Days
UTC Time - Hours	0	Hours
UTC Time - Minutes	0	
UTC Time - Seconds	2	seconds
ECU Time - Milliseconds	131	ms

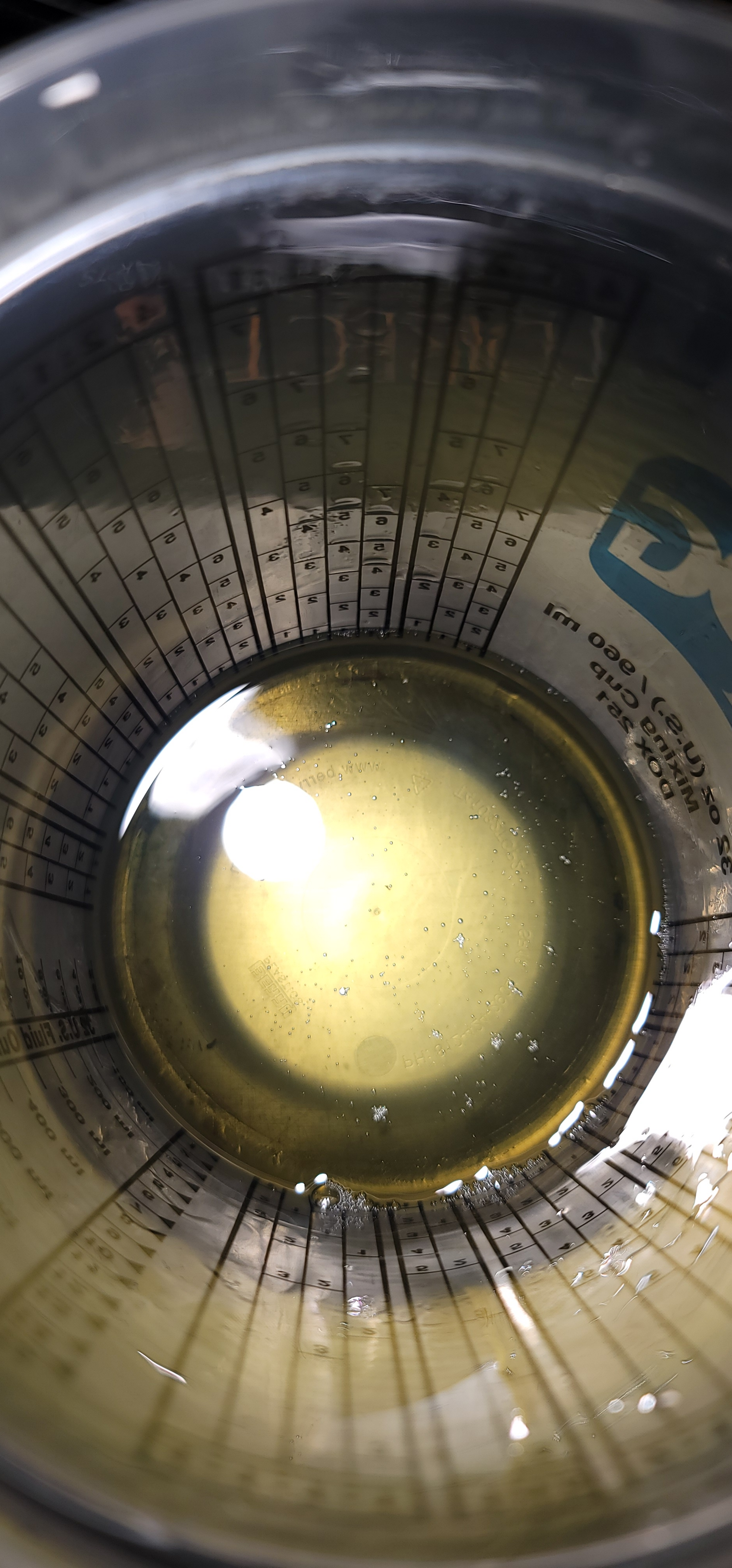
SNAPSHOT DATA SUMMARY

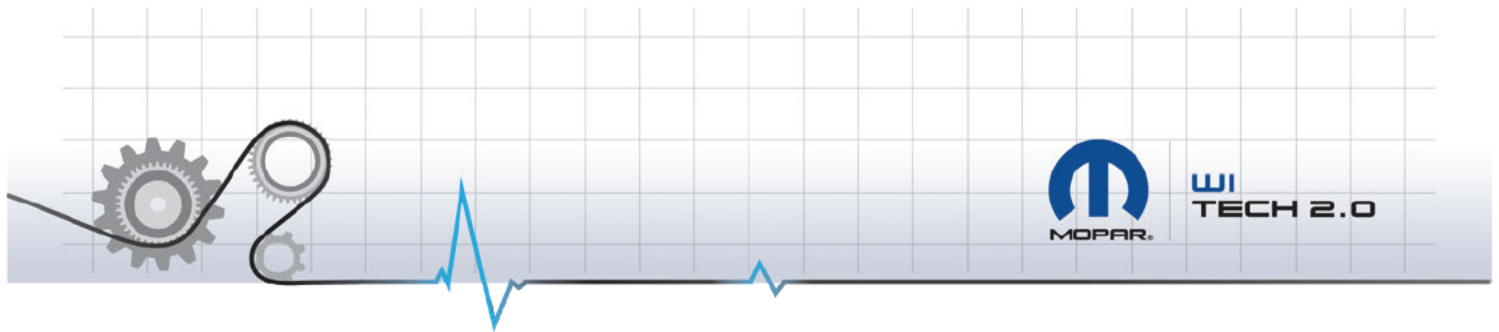
No Snapshot Data available for B10EB-00

No Snapshot Data available for P0A78-00

No Snapshot Data available for P16F9-00







VEHICLE SCAN REPORT

Vehicle 2021 CHRYSLER PACIFICA (PHEV) 3.6L V6 HYBRID ENGINE
VIN [REDACTED]

Odometer 2871.4 miles
Publication Date Feb 15, 2022, 9:08:12 AM

ECU SUMMARY INFO

ECU	NAME	BUS TYPE	FLASH PART #	CURRENT VIN	ORIGINAL VIN	PART #
PCM	Powertrain Control Module	CAN-C	68499122AE	[REDACTED]	[REDACTED]	68499122AE
PLGM	Power Liftgate	CAN-I	68466171AI	[REDACTED]	—	68466171AI
ICS	Integrated Center Stack	CAN-I	6XY201X8AA	[REDACTED]	[REDACTED]	6XY201X8AA
RFH	Radio Frequency Hub	CAN-C	68500152AA	[REDACTED]	[REDACTED]	68500152AA
ESM	Electronic Shifter	CAN-C	68240089AN	[REDACTED]	[REDACTED]	68240089AN
ORC	Occupant Restraint	CAN-C	68480710AC	[REDACTED]	[REDACTED]	68480710AC
EPS	Electric Power Steering	CAN-C	68460392AA	[REDACTED]	[REDACTED]	68460392AA
ANC	Active Noise Cancellation	CAN-I	68440556AB	[REDACTED]	[REDACTED]	68440556AB
HVAC	Heat, Ventilation and A/C	CAN-I	68493454AE	[REDACTED]	[REDACTED]	68493454AE
DDM	Driver Door Module	CAN-I	68496463AB	[REDACTED]	[REDACTED]	68496463AB
PDM	Passenger Door Module	CAN-I	68496462AB	[REDACTED]	[REDACTED]	68496462AB
DMRL	Door Module Rear Left	CAN-I	68508894AB	[REDACTED]	[REDACTED]	68508894AB
DMRR	Door Module Rear Right	CAN-I	68508894AB	[REDACTED]	[REDACTED]	68508894AB
PSDML	Power Sliding Doors (Left)	CAN-I	68369596AD	[REDACTED]	[REDACTED]	68369596AD
PSDMR	Power Sliding Doors (Right)	CAN-I	68369596AD	[REDACTED]	[REDACTED]	68369596AD
MSM	Memory Seat Module	CAN-I	68321862AC	[REDACTED]	[REDACTED]	68321862AC
IPC	Instrument Panel Cluster	CAN-C	68434960AE	[REDACTED]	[REDACTED]	68434960AE
PTS	Parktronics	CAN-C	68485851AA	[REDACTED]	[REDACTED]	68485851AA
SCCM	Steering Column Control Module	CAN-C	68531524AA	[REDACTED]	[REDACTED]	68531524AA
BCM	Body Controller	CAN-C	68491085AG	[REDACTED]	[REDACTED]	68491085AG

ACC	Adaptive Cruise Control	CAN-C	68540436AB			68540436AB
RADIO	Radio	CAN-I	68465290AE			68465290AE
OCM	Occupant Classification	CAN-C	68403127AA			68403127AA
HVACR	Heat, Ventilation and A/C Rear	CAN-I	68373079AB			68373079AB
LBSS	Left Blind Spot Sensor	CAN-I	04672786AC			04672786AC
RBSS	Right Blind Spot Sensor	CAN-I	04672786AC			04672786AC
FFCM	Forward Facing Camera Module	CAN-C	68551091AA			68551091AA
APM	Accessory Power Module	CAN-C	05185046AB			05185046AB
BPCM	Battery Pack Control Module	CAN-C	05193183AF			05193183AF
HCP	Hybrid Control Processor	CAN-C	05185116AH			05185116AH
OBCM	On Board Charging Module	CAN-C	05185047AE			05185047AE
DSM	Display Screen Module	CAN-I	68438382AF			68438382AF
RCCC	Rear Cabin Comfort Controls	CAN-I	6WL30DX9AA			6WL30DX9AA
EAC	Electric A/C Compressor	CAN-C	68237995AG			68237995AG
AHCP	Auxiliary Hybrid Control Processor	CAN-C	05185117AH			05185117AH
EBBM	Electronic Brake Booster Module	CAN-C	68461813AB			68461813AB
ABSO	Anti Lock Brakes OBD	CAN-C	68471122AD			68471122AD
SGW	Security Gateway Module	CAN-C	68488429AB			68488429AB

ECU SUMMARY INFO (CONT...)

ECU	COUNTRY CODE	HARDWARE VERSION	SOFTWARE VERSION	IDENT	CVNS
PCM	USA	1B 47	75 01 01	4422	F2DB13B9
PLGM	USA	0	5084	000200000034	
ICS	USA	0F 0C 00	13 31 01	4700	
RFH	USA / USA	10 17 00	13 26 00	4A00	
ESM	USA / USA	13 02 00	14 23 FF	4402	
ORC	USA / USA	12 1A 00	13 2E 00	4301	
EPS	USA / USA	12 2A 00	12 1E 01	4502	
ANC	USA	0F 05 01	12 2C 01	4210	
HVAC	USA	0E 09 00	14 2F 01	4401	
DDM	USA	11 07 00	14 07 00	4202	
PDM	USA	11 07 00	14 07 00	4202	
DMRL	USA / USA	10 0B 00	14 08 00	4201	

DMRR	USA / USA	10 0B 00	14 08 00	4201	
PSDML	USA / USA	10 17 00	14 10 12	4001	
PSDMR	USA / USA	10 17 00	14 10 12	4001	
MSM	USA	0F 2B 00	10 27 03	4101	
IPC	USA / USA	12 06 00	14 2B 00	4705	
PTS	USA	0E 32 00	14 07 00	4311	
SCCM	USA	13 28 00	13 29 00	4301	
BCM	USA	0D 11 00	14 26 90	4420	
ACC	USA / USA	14 2A 01	15 13 01	4400	
RADIO		65	5672	000200000008	
OCM	USA / USA	11 1F 01	0E 2F 02	4030	
HVACR	USA	0E 09 00	10 03 02	4301	
LBSS	USA / USA	11 30 02	15 08 00	4202	
RBSS	USA / USA	11 30 02	15 08 00	4202	
FFCM	USA / USA	11 06 00	15 0C 00	4102	
APM	USA / USA	11 32 00	11 32 00	4001	
BPCM	Not programmed / COUNTRY_SNA	0E 03 00	15 07 00	4005	
HCP	USA	11 1F 04	0F 2D 00	4006	879F1587 D754327D 050DC953
OBCM	USA	0F 0D 00	12 02 00	4002	
DSM	USA / USA	14 0C 00	15 06 00	4300	
RCCC	USA	0F 1D 00	13 04 00	4000	
EAC	USA	0E 34 00	12 0F 00	4102	
AHCP	USA	11 1F 04	0F 2D 00	4000	
EBBM	USA	0E 19 02	14 0D 18	4000	E5898FA5
ABSO	USA	0E 15 02	14 1B 26	4201	4F158D1B
SGW		5	969	4103	

DTC SUMMARY

ECU	DTC CODE	DTC DESCRIPTION	STATUS
HCP	P0A78-00	Drive Motor A Inverter Performance-	Stored
HCP	P16F9-00	HCP Internal - Shutdown Performance-	Active

ENVIRONMENTAL DATA SUMMARY

[HCP | P0A78-00 | Stored | Drive Motor A Inverter Performance-](#)

NAME	VALUE	UNITS
DTC	0A 78 00	
Test Failed	False	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	

Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	True	
Occurrence flag	Occurrence	
Original Odometer Value	2871.4	miles
Most Recent Odometer Value	2871.4	miles
Frequency Counter	2	
Ignition Cycle Counter	0	
Real time clock	16552296	sec
RAM stamps keyOn	30	sec
RAM Stamps	16481	Min
Accelerator Pedal Position	0	%
Brake Switch Status	Applied	
PHEV Charging Status	No Charging	
Engine Speed	0	rpm
HV Battery SOC	26	%
Ignition State	Ignition Off/ACC	
PRND Position Display	P	
Propulsion System Active	False	
Vehicle Speed	0.0000	MPH
Barometric Pressure	15	PSI
Engine Coolant Temperature	66	°F
Actual Torque - Motor A	0.000	Ft-Lbs
Available Motor Torque - Motor A	0.000	Ft-Lbs
Inverter A Input DC Current	0.0	AMP
Electric Motor A Speed	0.0	rpm
Motor A - Inverter Current - phase A	0	AMP
Motor A - Inverter Current - phase B	-4	AMP
Motor A - Inverter Current - phase C	0	AMP
Motor A Phase U Short Fault - High-Side	False	
Motor A Phase U Cross Conduction Fault - High-Side	False	
Motor A Phase U Over Current Fault - High-Side	False	
Motor A Phase U Thermal Warning Fault - High-Side	False	
Motor A Phase U Thermal Shutdown Fault - High-Side	False	
Motor A Phase U Comm Error High Voltage Regulator Fault - High-Side	False	
Motor A Phase U Comm Error Low Voltage Regulator Fault - High-Side	False	
Motor A Phase U SPI Error Fault - High-Side	False	
Motor A Phase U Hardware Error Fault - High-Side	False	
Motor A Phase U Short Fault - Low-Side	False	
Motor A Phase U Cross Conduction Fault - Low-Side	False	
Motor A Phase U Over Current Fault - Low-Side	False	
Motor A Phase U Thermal Warning Fault - Low-Side	False	
Motor A Phase U Thermal Shutdown Fault - Low-Side	False	
Motor A Phase U SPI Error Fault - Low-Side	False	
Motor A Phase U Hardware Error Fault - Low-Side	False	

Motor A Phase V Short Fault - High-Side	False	
Motor A Phase V Cross Conduction Fault - High-Side	False	
Motor A Phase V Over Current Fault - High-Side	False	
Motor A Phase V Thermal Warning Fault - High-Side	False	
Motor A Phase V Thermal Shutdown Fault - High-Side	False	
Motor A Phase V Comm Error High Voltage Regulator Fault - High-Side	False	
Motor A Phase V Comm Error Low Voltage Regulator Fault - High-Side	False	
Motor A Phase V SPI Error Fault - High-Side	False	
Motor A Phase V Hardware Error Fault - High-Side	False	
Motor A Phase V Short Fault - Low-Side	False	
Motor A Phase V Cross Conduction Fault - Low-Side	False	
Motor A Phase V Over Current Fault - Low-Side	False	
Motor A Phase V Thermal Warning Fault - Low-Side	False	
Motor A Phase V Thermal Shutdown Fault - Low-Side	False	
Motor A Phase V SPI Error Fault - Low-Side	False	
Motor A Phase V Hardware Error Fault - Low-Side	False	
Motor A Phase W Short Fault - High-Side	False	
Motor A Phase W Over Current Fault - High-Side	False	
Motor A Phase W Thermal Warning Fault - High-Side	False	
Motor A Phase W Thermal Shutdown Fault - High-Side	False	
Motor A Phase W Comm Error Low Voltage Regulator Fault - High-Side	False	
Motor A Phase W SPI Error Fault - High-Side	False	
Motor A Phase W Hardware Error Fault - High-Side	False	
Motor A Phase W Short Fault - Low-Side	False	
Motor A Phase W Cross Conduction Fault - Low-Side	False	
Motor A Phase W Over Current Fault - Low-Side	False	
Motor A Phase W Thermal Warning Fault - Low-Side	False	
Motor A Phase W Thermal Shutdown Fault - Low-Side	False	
Motor A Phase W Comm Error Low Voltage Regulator Fault - Low-Side	False	
Motor A Phase W SPI Error Fault - Low-Side	False	
Motor A Phase W Hardware Error Fault - Low-Side	False	
Motor A Resolver Supply Voltage Value	15.75	Volts
Battery Feed Voltage 2 Sense	12.528	Volts
Battery Feed Voltage 3 Sense	12.672	Volts
Internal EPS Voltage Sense A	8.208	Volts
Internal EPS Voltage Sense B	8.064	Volts
Hybrid System State	Determine Hybrid System State	
PIM DC Link Voltage - A	345	Volts
PIM DC Link Voltage - B	345	Volts
Passive Pump Coolant Temp In Sensor	68	°F
Low Temp Active Pump Speed	0	rpm
High Temp Aux Pump - Actual Speed	0	rpm
Outside Air Temperature	69.8	°F
HV Contactor Status	Closed	

Inverter B Status Feedback	Normal On	
Battery Feed Voltage 1 Sense	12.456	Volts
Actual Torque - Motor B	0.830	Ft-Lbs
Available Motor Torque - Motor B	232.670	Ft-Lbs
Available Regen Torque - Motor A	0.000	Ft-Lbs
Available Regen Torque - Motor B	-232.670	Ft-Lbs
Commanded Torque - Motor A	0.000	Ft-Lbs
Commanded Torque - Motor B	1.567	Ft-Lbs
Motor B - Inverter Current - phase A	0	AMP
Motor B - Inverter Current - phase B	-4	AMP
Motor B - Inverter Current - phase C	4	AMP
Motor B Resolver Angle	168	Degree
Motor B Temp Sensor	68	°F
HCP ePT Wake-Up Output	On	
CBC Wake-Up Input	On	
EPT LOC Diag Enable	Enable Limited LOC Diagnostic	
HV Battery Voltage from BPCM	345.10	Volts
Electric Motor B Speed	3.0	rpm
Inverter A IGBT Temperature for phase A	68	°F
Inverter A IGBT Temperature for phase B	68	°F
Inverter A IGBT Temperature for phase C	68	°F
Inverter B IGBT Temperature for phase A	68	°F
Inverter B IGBT Temperature for phase B	68	°F
Inverter B IGBT Temperature for phase C	66	°F
APM Status	Idle	
Impact Event	False	
HCP System Shutdown Command	Default	
Distance Travelled with Light ON	0	miles
Motor A Torque	0.000	Ft-Lbs
Motor B Torque	0.830	Ft-Lbs
OBCM Operating Mode	UTC	
J1772 Prox Detected State	Prox Out	
HV Battery Sleep Time	0	Days
Commanded Inverter A State	Torque Control	
Inverter Status Feedback	Inverter Faulted	
Motor A Phase U Over Voltage Fault VH - High-Side	False	
Motor A Phase U Under Voltage Fault VH - High-Side	False	
Motor A Phase U Over Voltage Fault VL - High-Side	False	
Motor A Phase U Under Voltage Fault VL - High-Side	False	
Motor A Phase U Over Voltage Fault VDD - High-Side	False	
Motor A Phase U Under Voltage Fault VDD - High-Side	False	
Motor A Phase U Over Voltage Fault VH - Low-Side	False	
Motor A Phase U Under Voltage Fault VH - Low-Side	False	
Motor A Phase U Over Voltage Fault VL - Low-Side	False	

Motor A Phase U Under Voltage Fault VL - Low-Side	False	
Motor A Phase U Over Voltage Fault VDD - Low-Side	False	
Motor A Phase U Under Voltage Fault VDD - Low-Side	False	
Motor A Phase U Comm Error High Voltage Regulator Fault - Low-Side	False	
Motor A Phase U Comm Error Low Voltage Regulator Fault - Low-Side	False	
Motor A Phase V Over Voltage Fault VH - High-Side	True	
Motor A Phase V Under Voltage Fault VH - High-Side	False	
Motor A Phase V Over Voltage Fault VL - High-Side	False	
Motor A Phase V Under Voltage Fault VL - High-Side	True	
Motor A Phase V Over Voltage Fault VDD - High-SideSide	False	
Motor A Phase V Under Voltage Fault VDD - High-Side	False	
Motor A Phase V Over Voltage Fault VH - Low-Side	False	
Motor A Phase V Under Voltage Fault VH - Low-Side	False	
Motor A Phase V Over Voltage Fault VL - Low-Side	False	
Motor A Phase V Under Voltage Fault VL - Low-Side	False	
Motor A Phase V Over Voltage Fault VDD - Low-Side	False	
Motor A Phase V Under Voltage Fault VDD - Low-Side	False	
Motor A Phase V Comm Error High Voltage Regulator Fault - Low-Side	False	
Motor A Phase V Comm Error Low Voltage Regulator Fault - Low-Side	False	
Motor A Phase W Cross Conduction Fault - High-Side	False	
Motor A Phase W Over Voltage Fault VH - High-Side	False	
Motor A Phase W Under Voltage Fault VH - High-Side	False	
Motor A Phase W Over Voltage Fault VL - High-Side	False	
Motor A Phase W Under Voltage Fault VL - High-Side	False	
Motor A Phase W Over Voltage Fault VDD - High-Side	False	
Motor A Phase W Under Voltage Fault VDD - High-Side	False	
Motor A Phase W Comm Error High Voltage Regulator Fault - High-Side	False	
Motor A Phase W Over Voltage Fault VH - Low-Side	False	
Motor A Phase W Under Voltage Fault VH - Low-Side	False	
Motor A Phase W Over Voltage Fault VL - Low-Side	False	
Motor A Phase W Under Voltage Fault VL - Low-Side	False	
Motor A Phase W Over Voltage Fault VDD - Low-Side	False	
Motor A Phase W Under Voltage Fault VDD - Low-Side	False	
Motor A Phase W Comm Error High Voltage Regulator Fault - Low-Side	False	
Inverter A Status Feedback	Inverter Faulted	
GPS Date - Year	2021	Year
GPS Date - Month	11	
GPS Date - Day	12	Days
UTC Time - Hours	13	Hours
UTC Time - Minutes	15	
UTC Time - Seconds	0	seconds
ECU Time - Milliseconds	363	ms

NAME	VALUE	UNITS
DTC	16 F9 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	05	
Occurrence flag	Occurrence	
Original Odometer Value	2871.4	miles
Most Recent Odometer Value	2871.4	miles
Frequency Counter	1	
Ignition Cycle Counter	0	
Real time clock	16562162	sec
RAM stamps keyOn	0	sec
RAM Stamps	16501	Min
Accelerator Pedal Position	0	%
Brake Switch Status	Not Applied	
PHEV Charging Status	No Charging	
Engine Speed	0	rpm
HV Battery SOC	26	%
Ignition State	Ignition Lock	
PRND Position Display	P	
Propulsion System Active	False	
Vehicle Speed	0.0000	MPH
Barometric Pressure	15	PSI
Engine Coolant Temperature	176	°F
Main Processor Reset Source - Core 0	Power Up	
Main Processor Reset Source - Core 1	Power Up	
Static NVM CRC Status	Passed	
Cumulative NVM CRC Status	Passed	
Adaptable NVM CRC Status	Passed	
Preserved NVM CRC Status	Passed	
Expendable NVM CRC Status	Passed	
MCPUninit EEPROM CRC Status	Passed	
MCPInit EEPROM CRC Status	Passed	
Non Volatile RAM CRC Status	Passed	
BSW EEPROM CRC Status	Passed	
HCP - MCPA SPI CRC Error Count	00	
HCP - MCPA SPI ARC Error Count	00	
MCPB - MCPA SPI CRC Error Count	00	

MCPB - MCPA SPI ARC Error Count	00	
MemShare CRC Error Count- Core 0	02	
MemShare ARC Error Count- Core 0	00	
MemShare CRC Error Count- Core 1	FF	
MemShare ARC Error Count- Core 1	02	
Main Stack Fault	False	
Main Analog-to-Digital Converter Fault	False	
External Watchdog Fault	False	
MainTPU_Flt	False	
Main Clock Fault	False	
MAIN ALU Fault	False	
MAIN Detected SPI Fault	False	
Main Detected Seed Received In Wrong Order	False	
Battery Feed Voltage 2 Sense	11.376	Volts
Internal EPS Voltage Sense A	0.000	Volts
Internal EPS Voltage Sense B	0.000	Volts
Battery Feed Voltage 1 Sense	11.376	Volts
Battery Feed Voltage 3 Sense	11.376	Volts
Hybrid System State	Determine Hybrid System State	
Actual Torque - Motor A	0.000	Ft-Lbs
Actual Torque - Motor B	0.000	Ft-Lbs
Available Motor Torque - Motor A	43.603	Ft-Lbs
Available Motor Torque - Motor B	116.150	Ft-Lbs
Available Regen Torque - Motor A	-43.603	Ft-Lbs
Available Regen Torque - Motor B	-116.150	Ft-Lbs
Commanded Torque - Motor A	0.000	Ft-Lbs
Commanded Torque - Motor B	0.000	Ft-Lbs
Motor A - Inverter Current - phase A	-4	AMP
Motor A - Inverter Current - phase B	-4	AMP
Motor A - Inverter Current - phase C	-4	AMP
Motor B - Inverter Current - phase A	0	AMP
Motor B - Inverter Current - phase B	-4	AMP
Motor B - Inverter Current - phase C	0	AMP
Motor A Resolver Angle	76	Degree
Motor B Resolver Angle	166	Degree
Motor A Temp Sensor	72	°F
Motor B Temp Sensor	70	°F
Outside Air Temperature	77.0	°F
HCP ePT Wake-Up Output	On	
CBC Wake-Up Input	Off	
EPT LOC Diag Enable	Disable LOC Daignostic	
HV Contactor Status	Open	
HV Battery Voltage from BPCM	180.00	Volts
Electric Motor A Speed	0.0	rpm

Electric Motor B Speed	0.0	rpm
PIM DC Link Voltage - A	4	Volts
PIM DC Link Voltage - B	4	Volts
Inverter A IGBT Temperature for phase A	68	°F
Inverter A IGBT Temperature for phase B	68	°F
Inverter A IGBT Temperature for phase C	68	°F
Inverter B IGBT Temperature for phase A	68	°F
Inverter B IGBT Temperature for phase B	68	°F
Inverter B IGBT Temperature for phase C	68	°F
APM Status	Idle	
Impact Event	False	
HCP System Shutdown Command	Default	
Distance Travelled with Light ON	0	miles
Motor A Torque	0.000	Ft-Lbs
Motor B Torque	0.000	Ft-Lbs
OBCM Operating Mode	UTC	
J1772 Prox Detected State	Prox Out	
HV Battery Sleep Time	0	Days
GPS Date - Year	0	Year
GPS Date - Month	1	
GPS Date - Day	1	Days
UTC Time - Hours	0	Hours
UTC Time - Minutes	0	
UTC Time - Seconds	2	seconds
ECU Time - Milliseconds	133	ms

SNAPSHOT DATA SUMMARY

No Snapshot Data available for P0A78-00

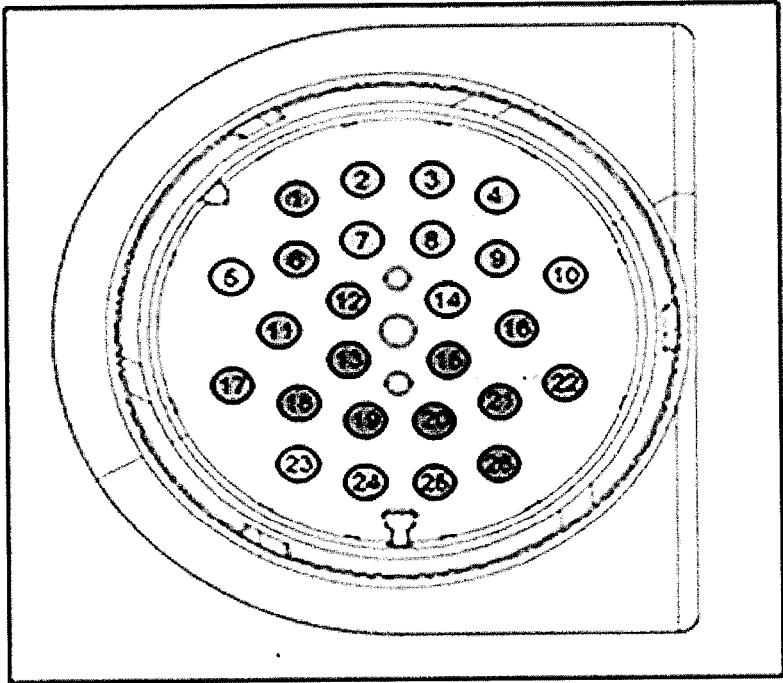
No Snapshot Data available for P16F9-00

P0A78-00 - DRIVE MOTOR A INVERTER PERFORMANCE

+ **Special Tools:** Click to display a list of tools used in this procedure

For a complete POWER INVERTER MODULE SYSTEM wiring diagram, ([refer to the Wiring Information](#)).

Pinout view of 26 Pin Trans Connector



2817115594

Transmission 26 Way Connector Resistance Measurements				
Circuit 3 Motor A Thermistor	See chart below for resistance values	T366	MOTOR A TEMPERATURE SENSOR SIGNAL	T1
		T359	MOTOR A TEMPERATURE SENSOR GROUND	T6
Circuit 1 Motor A Resolver	14.0-21.0 Ohms	T372	RESOLVER A SINE HI	T2
		T374	RESOLVER A SINE LO	T7
	16.0-24.0 Ohms	T371	RESOLVER A COS HI	T3
		T373	RESOLVER A COS LO	T8
	6.8-10.2 Ohms	T370	RESOLVER A EXCITOR HI	T4

	Transmission 26 Way Connector Resistance Measurements			
		T375	RESOLVER A EXCITOR LO	T9
	Z701A		SHIELD CABLE	T14
Circuit 2 Motor B Resolver	14.0-21.0 Ohms	T362	RESOLVER B SIN HI	T19
		T364	RESOLVER B SIN LO	T20
	16.0–24.0 Ohms	T361	RESOLVER B COS HI	T15
		T363	RESOLVER B COS LO	T21
	6.8–10.2 Ohms	T369	RESOLVER B EXCITATION HI	T13
		T368	RESOLVER B EXCITATION LO	T18
	Z701B		SHIELD CABLE	T26
Circuit 4 Motor B Thermistor	See chart below for resistance values	T367	MOTOR B TEMPERATURE SENSOR SIGNAL	T24
		T360	MOTOR B TEMPERATURE SENSOR GROUND	T25
Circuit 6 Trans Aux Pump		Z904A/Z904B	PUMP GROUND	T16/T22
		F748A/F748B	TRANSMISSION OIL PUMP RELAY OUTPUT	T11/T17
		D422	PIM LIN BUS 1(B)	T12

Trans Temp [°F]	Trans Temp [°C]	Rmin. [kΩ]	Rnom. [kΩ]	Rmax. [kΩ]	Minus Tolerance(°C)	Plus Tolerance(°C)
-40	-40	1400	1625	1885	-2.52	2.18
-38.2	-39	1313	1522	1763	-2.48	2.15
-36.4	-38	1231	1425	1649	-2.52	2.18
-34.6	-37	1156	1336	1544	-2.51	2.17
-32.8	-36	1085	1253	1446	-2.47	2.15
-31	-35	1019	1175	1355	-2.50	2.17
-29.2	-34	957.7	1103	1270	-2.49	2.17
-27.4	-33	900.4	1036	1191	-2.47	2.16
-25.6	-32	846.9	973.2	1117	-2.46	2.16
-23.8	-31	797.0	914.7	1049	-2.46	2.15
-22	-30	750.3	860.0	985.2	-2.45	2.15
-20	-29	706.6	809.0	925.6	-2.44	2.15

Theory of Operation

Each Electric Drive Motor is paired with an Inverter. The Inverter converts AC electrical energy to DC electrical energy inside the Power Inverter Module (PIM). The PIM monitors the Inverter for failures.

When Monitored and Set Conditions

When Monitored: This diagnostic runs continuously when the following condition is met:

- Ignition is on.

Set Conditions:

- Power Inverter Module (PIM) has detected excessive current flow.

Default Actions:

- Mil on.
- Loss of propulsion.

Possible Causes
DAMAGED RESOLVER CIRCUITS/TERMINALS RESOLVER A POWER INVERTER MODULE (PIM)

Always perform the PRE-DIAGNOSTIC TROUBLESHOOTING PROCEDURE before proceeding. (Refer to 28 - DTC-Based Diagnostics/Standard Procedure).

Diagnostic Test

1. CHECK FOR AN ACTIVE DTC

WARNING: On vehicles equipped with the high voltage system, you must thoroughly read and follow all High Voltage Safety procedures. In addition, before performing any diagnostic or service procedure near a high voltage component, you must perform the High Voltage Power Down. Failure to follow these instructions may result in possible serious or fatal injury .

Read the HIGH-VOLTAGE SAFETY PROCEDURES, (Refer to 08 - Electrical/Standard Procedure).

When the HIGH-VOLTAGE POWER-DOWN PROCEDURE is necessary, (Refer to 08 - Electrical/Standard Procedure).

1. With the scan tool, read Power Inverter Module (PIM) DTCs and record on the repair order.
2. Record the Freeze Frame Data (If available), Event Data (If available), and Environmental Data.

3. With the scan tool, erase DTCs.
4. Using the recorded data, along with the When Monitored and Set Conditions above, operate the vehicle in the conditions that set the DTC.
5. With the scan tool, read PIM DTCs.

Did the DTC return?

Yes

- Go To 2

No

- Perform the TESTING FOR AN INTERMITTENT CONDITION procedure. (Refer to 28 - DTC-Based Diagnostics/Standard Procedure).

2. CHECK RESOLVER HARNESS CIRCUITS FOR AN OPEN OR HIGH RESISTANCE

1. Turn the ignition off.
2. Disconnect the PIM C1 harness connector.
3. To prevent terminal damage while testing the PIM C1 and C2 harness connectors use Kit, Electrical Test Lead 2064100080
4. Disconnect the Transmission Assembly harness connector.
5. Measure the resistance of the following circuits between the PIM C1 harness connector and the Transmission Assembly harness connector:

- (T372) Resolver A Sin Hi ~~3.8~~ 1.5
 - (T374) Resolver A Sin Lo ~~4.6~~ 1.6
 - (T371) Resolver A Cos Hi ~~3.4~~ 1.3
 - (T373) Resolver A Cos Lo ~~2.9~~ 1.4
 - (T370) Resolver A Excitation Hi ~~3.9 ohms~~ 1.3
 - (T375) Resolver A Excitation Lo ~~open or 2.2~~ 1.6
- 2.9 ohms

Is the resistance below 3.0 Ohms for each circuit?

Yes

- Go To 3

No

- Repair the effected circuit(s) for an open or high resistance.
- Perform the PIM VERIFICATION TEST. (Refer to 28 - DTC-Based Diagnostics/MODULE, Power Inverter (PIM) Standard Procedure).

3. CHECK RESOLVER HARNESS CIRCUITS FOR A SHORT TO GROUND

1. Check for continuity between ground and the following circuits at the PIM C1 harness connector.

- (T372) Resolver A Sin Hi
- (T374) Resolver A Sin Lo
- (T371) Resolver A Cos Hi
- (T373) Resolver A Cos Lo
- (T370) Resolver A Excitation Hi
- (T375) Resolver A Excitation Lo

Is there continuity between ground and any of the circuits?

Yes

- Repair the effected circuit(s) for a short to ground.
- Perform the PIM VERIFICATION TEST. (Refer to 28 - DTC-Based Diagnostics/MODULE, Power Inverter (PIM) /Standard Procedure).

No

- Go To 4

OL to ground
All circuit

4. CHECK RESOLVER HARNESS CIRCUITS FOR A SHORT TO ANOTHER CIRCUIT

1. Check for continuity between each of the following circuit(s), and all other circuits at the PIM C1 harness connector.

- (T372) Resolver A Sin Hi
- (T374) Resolver A Sin Lo
- (T371) Resolver A Cos Hi
- (T373) Resolver A Cos Lo
- (T370) Resolver A Excitation Hi
- (T375) Resolver A Excitation Lo

Is there continuity between any of the circuits and any other circuit?

Yes

- Repair the effected circuit(s) for a short to another circuit.
- Perform the PIM VERIFICATION TEST. (Refer to 28 - DTC-Based Diagnostics/MODULE, Power Inverter (PIM) /Standard Procedure).

No

- Go To 5

OL
& No short together

5. CHECK THE RESOLVER RESISTANCES

1. Perform resistance measurements between the circuits at the Transmission Assembly interface connector (Transmission side) and compare the readings to the values shown in the table.

Perform Resistance Measurements Between These Circuits		Resistance Values
(T372) Resolver A Sin Hi — (T374) Resolver A Sin Lo	19.8	14.0–21.0 Ohms
(T371) Resolver A Cos Hi — (T373) Resolver A Cos Lo	20.4	16.0–24.0 Ohms
(T370) Resolver A Excitation Hi — (T375) Resolver A Excitation Lo	9.0	6.8–10.2 Ohms

Are the measurements within the values shown in the table?

Yes

- Go To 6

No

- Replace the Transmission in accordance with the Service Information.
- Perform the PIM VERIFICATION TEST. (Refer to 28 - DTC-Based Diagnostics/MODULE, Power Inverter (PIM) /Standard Procedure).

6. CHECK THE RESOLVER FOR A SHORT TO GROUND

1. Check for continuity between ground and each of the following Resolver circuits at the Transmission Assembly interface connector (Transmission side).

- (T372) Resolver A Sin Hi
- (T374) Resolver A Sin Lo
- (T371) Resolver A Cos Hi
- (T373) Resolver A Cos Lo
- (T370) Resolver A Excitation Hi
- (T375) Resolver A Excitation Lo

OL all pins
on trans

Is there continuity between ground and any of the circuits?

Yes

- Replace the Transmission in accordance with the Service Information.
- Perform the PIM VERIFICATION TEST. (Refer to 28 - DTC-Based Diagnostics/MODULE, Power Inverter (PIM) /Standard Procedure).

No

- Go To 7

7. CHECK THE RESOLVER FOR A SHORT TO ANOTHER CIRCUIT

1. Perform resistance measurements between the circuits at the Transmission Assembly interface connector (Transmission side) and compare the readings to the values shown in the table.

Perform Resistance Measurements Between These Circuits	Resistance Values
(T372) Resolver A Sin Hi — (T374) Resolver A Sin Lo 19.8	14.0–21.0 Ohms
(T371) Resolver A Cos Hi — (T373) Resolver A Cos Lo 20.4	16.0–24.0 Ohms
(T370) Resolver A Excitation Hi — (T375) Resolver A Excitation Lo 9.0	6.8–10.2 Ohms

Are the measurements within the values shown in the table?

Yes

- Go To 6

No

- Replace the Transmission in accordance with the Service Information.
- Perform the PIM VERIFICATION TEST. (Refer to 28 - DTC-Based Diagnostics/MODULE, Power Inverter (PIM) /Standard Procedure).

6. CHECK THE RESOLVER FOR A SHORT TO GROUND

1. Check for continuity between ground and each of the following Resolver circuits at the Transmission Assembly interface connector (Transmission side).

- (T372) Resolver A Sin Hi
- (T374) Resolver A Sin Lo
- (T371) Resolver A Cos Hi
- (T373) Resolver A Cos Lo
- (T370) Resolver A Excitation Hi
- (T375) Resolver A Excitation Lo

OL all pins
on trans

Is there continuity between ground and any of the circuits?

Yes

- Replace the Transmission in accordance with the Service Information.
- Perform the PIM VERIFICATION TEST. (Refer to 28 - DTC-Based Diagnostics/MODULE, Power Inverter (PIM) /Standard Procedure).

No

- Go To 7

7. CHECK THE RESOLVER FOR A SHORT TO ANOTHER CIRCUIT

8. Reconnect all related component harness connectors. Be certain that all connectors are fully seated and the connector locks are fully engaged.
9. With the scan tool, erase DTCs.
10. Using the recorded data, along with the When Monitored and Set Conditions above, operate the vehicle in the conditions that set the DTC.
11. With the scan tool, read PIM DTCs.

Did the DTC return?

Yes

- Replace the PIM in accordance with the Service information. (Refer to 08 - Electrical/8E - Electronic Control Modules/MODULE, Power Inverter/Removal and Installation).
- Perform the PIM VERIFICATION TEST. (Refer to 28 - DTC-Based Diagnostics/MODULE, Power Inverter (PIM) /Standard Procedure).

No

- Perform the PIM VERIFICATION TEST. (Refer to 28 - DTC-Based Diagnostics/MODULE, Power Inverter (PIM) /Standard Procedure).
- Test complete.