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ECU DETAILS REPORT

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

Odometer 39356.5 miles
Publication Date Apr 28, 2022, 11:05:38 AM

ECU SUMMARY INFO

ECU	NAME	BUS TYPE	FLASH PART #	CURRENT VIN	ORIGINAL VIN	PART #
PCM	Powertrain Control Module	CAN-C	68499122AF	[REDACTED]	[REDACTED]	68499122AF
PLGM	Power Liftgate	CAN-I	68466171AI	[REDACTED]	—	68466171AI
ICS	Integrated Center Stack	CAN-I	7AS341X8AA	[REDACTED]	[REDACTED]	7AS341X8AA
RFH	Radio Frequency Hub	CAN-C	68500152AA	[REDACTED]	[REDACTED]	68500152AA
ESM	Electronic Shifter	CAN-C	68240089AM	[REDACTED]	[REDACTED]	68240089AM
ORC	Occupant Restraint	CAN-C	68480710AC	[REDACTED]	[REDACTED]	68480710AC
EPS	Electric Power Steering	CAN-C	68460392AA	[REDACTED]	[REDACTED]	68460392AA
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
CSWM	Comfort Seat Wheel Module	CAN-I	68517011AB	[REDACTED]	[REDACTED]	68517011AB
AMP	Amplifier	CAN-I	68476878AA	[REDACTED]	[REDACTED]	68476878AA
IPC	Instrument Panel Cluster	CAN-C	68434960AE	[REDACTED]	[REDACTED]	68434960AE
PTS	Parktronics	CAN-C	68485862AA	[REDACTED]	[REDACTED]	68485862AA
SCCM	Steering Column Control Module	CAN-C	68360889AD	[REDACTED]	[REDACTED]	68360889AD
BCM	Body Controller	CAN-C	68491085AG	[REDACTED]	[REDACTED]	68491085AG

ACC	Adaptive Cruise Control	CAN-C	68540436AA			68540436AA
RADIO	Radio	CAN-I	68465292AC			68465292AC
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	04672786AB			04672786AB
RBSS	Right Blind Spot Sensor	CAN-I	04672786AB			04672786AB
FFCM	Forward Facing Camera Module	CAN-C	68493395AA			68493395AA
EDM	External Disc Module	CAN-I	68378304AB			68378304AB
APM	Accessory Power Module	CAN-C	05185046AB			05185046AB
BPCM	Battery Pack Control Module	CAN-C	05193183AE			05193183AE
HCP	Hybrid Control Processor	CAN-C	05185116AJ			05185116AJ
OBCM	On Board Charging Module	CAN-C	05185047AE			05185047AE
MSMP	Memory Seat Module - Passenger	CAN-I	68321862AC			68321862AC
DSM	Display Screen Module	CAN-I	68438382AD			68438382AD
VRM	Video Routing Module	CAN-I	68493702AA			68493702AA
RCCC	Rear Cabin Comfort Controls	CAN-I	6WL30DX9AA			6WL30DX9AA
CVPM	Central vision processing module	CAN-I	56029920AB			56029920AB
EAC	Electric A/C Compressor	CAN-C	68237995AG			68237995AG
AHCP	Auxiliary Hybrid Control Processor	CAN-C	05185117AJ			05185117AJ
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
TBM2	Telematic Box Module 2	CAN-C	68546266AB			68546266AB

ECU SUMMARY INFO (CONT...)

ECU	COUNTRY CODE	HARDWARE VERSION	SOFTWARE VERSION	IDENT	CVNS
PCM	USA	1B 47	75 02 00	4422	7DC2E312
PLGM	USA	0	5084	000200000031	
ICS	USA	0F 0C 00	13 31 01	4700	
RFH	USA / USA	10 17 00	13 26 00	4A00	

ESM	USA / USA	0F 24 00	12 28 FF	4402	
ORC	USA / USA	12 1A 00	13 2E 00	4301	
EPS	USA / USA	12 2A 00	12 1E 01	4502	
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	
CSWM	USA	11 2A 00	14 25 00	4302	
AMP	USA	18 2E 01	13 15 00	4030	
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 12 01	14 26 01	4400	
RADIO		65	5175	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	12 0D 00	4202	
RBSS	USA / USA	11 30 02	12 0D 00	4202	
FFCM	USA / USA	11 06 00	13 1E 00	4102	
EDM	USA	12 0A 00	11 08 00	4000	
APM	USA / USA	11 32 00	11 32 00	4001	
BPCM		0E 03 00	14 2C 00	4005	79855957
HCP	USA	11 1F 04	0F 2D 00	4006	5D31A9B9 16AACD23 050DC953
OBCM	USA	0F 0D 00	12 02 00	4002	
MSMP	USA	0F 2B 00	10 27 03	4001	
DSM	USA / USA	14 0C 00	14 28 00	4300	
VRM	USA / USA	0F 1C 00	14 1E 14	4001	
RCCC	USA	0F 1D 00	13 04 00	4000	
CVPM	USA / USA	11 27 01	14 0C 01	4004	
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	
TBM2	USA	13 0E 02	14 2A 5C	4104	

ECU DETAILS

PCM DETAILS

NAME	VALUE
VIN - Original	
Serial Number	
VIN Current	
ECU Part Number	68499122AF
Diagnostic Version	22
Variant ID	44
Software Version (Major/Middle/Minor)	75 02 00
Supplier ID	Motorola
Hardware Version (Major/Minor)	1B 47
Odometer When Original VIN First Written	2668768948.7216
Country Code	USA
Model Year	21
Body Style	Station Wagon
Vehicle Line	2D

PLGM DETAILS

NAME	VALUE
Supplier Manufacturer ECU Hardware Version Number	0
VIN Current	
Diagnostic Version	00 00 00 31
Diagnostic Variant	00 02
Supplier Manufacturer ECU Hardware Part Number	24101317AA

ICS DETAILS

NAME	VALUE
ECU Part Number	7AS341X8AA
VIN Current	
VIN Original	
Active Diagnostic Variant	47
ECU Software Mode	Running in Application
Gateway	False
Active Diagnostic Version	00
Active Diagnostic Session	Default
Model Year	2021
Country Code	USA
Body Style	Station Wagon
Vehicle Line	RU

RFH DETAILS

NAME	VALUE
IAC Data	55 AA 66 CC 55 AA 66 CC 55 AA 66 CC 55 AA 66 CC
Hardware Version - Week	17
Hardware Version - Patch Level	00

Hardware Version - Year	10
ECU Part Number	68500152AA
ECU Serial Number	
Software Version - Week	26
Software Version - Year	13
Software Version - Patch Level	00
Hardware Part Number	16135703AC
Hardware Supplier	Continental
VIN Current	
Body Style	station wagon / BODY_WAGON
Vehicle Line	RU
Country Code	USA / USA
Model Year	2021
Active Diagnostic Version	00
Active Diagnostic Session	Extended
ECU Software Mode	Running in Application
Active Diagnostic Variant	4A
Software Supplier	Continental
VIN Original	

ESM DETAILS

NAME	VALUE
ECU Part Number	68240089AM
Active Diagnostic Variant	44
Active Diagnostic Version	02

ORC DETAILS

NAME	VALUE
Active Diagnostic Variant	43
Active Diagnostic Version	01
Body Style	Station Wagon
Vehicle Line	RU / VEH_RU
Model Year	2021
Country Code	USA / USA
ECU Serial Number	

EPS DETAILS

NAME	VALUE
Vehicle Line	RU / VEH_RU
Body Style	Station Wagon
Country Code	USA / USA
Model Year	2021
HW - Week	42
HW - Year	2018

HW - Patch Level	00
VIN Current	
Active Diagnostic Version	02
Active Diagnostic Variant	45
SW - Patch Level	01
SW - year	2018
SW - week	30
VIN Original	
ECU Part Number	68460392AA

HVAC DETAILS

NAME	VALUE
Active Diagnostic Variant	44
Active Diagnostic Version	01
Country Code	USA
Model Year	2021
Body Style	Station Wagon
VIN Original	
ECU Part Number	68493454AE
ECU Serial Number	??????????
VIN Current	

DDM DETAILS

NAME	VALUE
ECU Part Number	68496463AB
Active Diagnostic Version	02
Active Diagnostic Variant	42
VIN Original	
VIN Current	

PDM DETAILS

NAME	VALUE
Serial Number	
Active Diagnostic Variant	42
Active Diagnostic Version	02
Active Diagnostic Session	Default
Gateway	False
ECU Part Number	68496462AB
VIN Current	
VIN Original	
Model Year	2021
Country Code	USA
Vehicle Line	RU

DMRL DETAILS

NAME	VALUE
Hardware Part Number	68508894AB
Software Part Number	68508894AB
Active Diagnostic Variant	42
Active Diagnostic Version	01
Body Style	Station Wagon
Vehicle Line	RU / VEH_RU
Model Year	2021
Country Code	USA / USA
VIN Original	
VIN Current	
ECU Part Number	68508894AB

DMRR DETAILS

NAME	VALUE
Active Diagnostic Variant	42
Active Diagnostic Version	01
VIN Current	
VIN Original	
Model Year	2021
Vehicle Line	RU / VEH_RU
Country Code	USA / USA
Body Style	Station Wagon
Hardware Part Number	68508894AB
Software Part Number	68508894AB
ECU Part Number	68508894AB

PSDML DETAILS

NAME	VALUE
Vehicle Line	RU / VEH_RU
Country Code	USA / USA
Model Year	2021
Body Style	Station Wagon
Active Diagnostic Variant	40
Active Diagnostic Version	01
ECU Part Number	68369596AD
VIN Original	
Hardware Supplier Identification	Delphi
VIN Current	

PSDMR DETAILS

NAME	VALUE
Active Diagnostic Variant	40

Active Diagnostic Version	01
ECU Part Number	68369596AD
VIN Current	
VIN Original	
Hardware Supplier Identification	Delphi
Model Year	2021
Country Code	USA / USA
Body Style	Station Wagon
Vehicle Line	RU / VEH_RU

MSM DETAILS

NAME	VALUE
VIN Original	
Body Style	BODY_WAGON
Vehicle Line	RU
Model Year	2021
Country Code	USA
Software Logical Block #0 Part Number	68321862AC
Software Logical Block Supplier Identification	Kostal
ECU Serial Number	
Gateway	False
Active Diagnostic Variant	41
Active Diagnostic Session	Default
Active Diagnostic Version	01
ECU Software Mode	Running in Application
ECU Part Number	68321862AC
VIN Current	
Hardware Part Number	68321862AC

CSWM DETAILS

NAME	VALUE
ECU Part Number	68517011AB
Hardware Supplier Identification	Continental
Gateway	False
Active Diagnostic Variant	43
ECU Software Mode	Running in Application
Active Diagnostic Version	02
VIN Current	
Body Style	Station Wagon
Country Code	USA
Model Year	2021
Vehicle Line	RU
Hardware Part Number	68517011AB
Software Logical Block Supplier Identification	Continental

Software Part Number	68517011AB
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AMP DETAILS

NAME	VALUE
Active Diagnostic Variant	40
Active Diagnostic Version	30
Software Supplier Identification	Alpine
Hardware Part Number	68441782AA
SW - year	19
SW - Patch Level	0
SW - week	21
VIN Current	
ECU Serial Number	
Vehicle Line	RU
Country Code	USA
Model Year	2021
Body Style	Station Wagon
Software Part Number	68476878AA
VIN Original	
HW - Year	18
HW - Patch Level	01
HW - Week	46
ECU Origin	DCX
ECU Part Number	68476878AA
Hardware Supplier Identification	Alpine

IPC DETAILS

NAME	VALUE
VIN Original	
VIN Current	
Body Style	Station Wagon
Model Year	2021
Vehicle Line	RU
Country Code	USA / USA
Hardware Supplier Identification	Nippon Seiki (NS Intl)
ECU Serial Number	
Hardware - Week	6
Hardware - Patch Level	00
Hardware - Year	2018
Software Logical Block #0 Part Number	68434958AE
ECU Part Number	68434960AE
Software Supplier Identification	Nippon Seiki (NS Intl)
Hardware Part Number	68434960AE
Active Diagnostic Version	05

Active Diagnostic Variant	47
Software - Week Block #0	43
Software - Patch Level Block #0	00
Software - Year Block #0	2020

PTS DETAILS

NAME	VALUE
Country Code	USA
Model Year	2021
Body Style	BODY_WAGON
Vehicle Line	RU
Serial Number	
ECU Part Number	68485862AA
VIN Original	
Hardware Supplier Identification	Bosch
Active Diagnostic Session	Default
Active Diagnostic Variant	43
Active Diagnostic Version	11
ECU Software Mode	Running in Application
SW Part Number	68485862AA
HW - Year	2014
HW - Week	50
HW - Patch Level	00
SW - week	7
SW - year	2020
SW - Patch Level	00
Software Supplier Identification	Bosch
VIN Current	

SCCM DETAILS

NAME	VALUE
ECU Serial Number	
Hardware Part Number	
SW - year	19
SW - Patch Level	0
SW - week	41
Hardware Supplier Identification	Kostal
Software Logical Block Supplier Identification	Kostal
VIN Current	
Vehicle Line	RU
Model Year	2021
Country Code	USA
Body Style	BODY_WAGON
ECU Part Number	68360889AD

Software Logical Block #0 Part Number	10306803AB
VIN Original	
HW - Week	40
HW - Patch Level	0
HW - Year	19
Active Diagnostic Version	1
Active Diagnostic Variant	43
ECU Software Mode	Running in Application

BCM DETAILS

NAME	VALUE
Active Diagnostic Variant	44
ECU Software Mode	Running in Application
Active Diagnostic Version	20
VIN Original	
ECU Serial Number	
Hardware Supplier Identification	Continental
Country Code	USA
Software Logical Block Supplier Identification	Continental
Ignition Run Start	Run/Start
Software Logical Block #0 Part Number	68491086AG
ECU Part Number	68491085AG
VIN Current	

ACC DETAILS

NAME	VALUE
SW Part Number (Application)	68540437AA
SW Part Number (Parameter)	0000000000
ECU Part Number	68540436AA
Active Diagnostic Version	00
Active Diagnostic Variant	44
Hardware Part Number	68417813AE
VIN Original	

RADIO DETAILS

NAME	VALUE
VIN Original	
Sales Code	
SW - Identification	00 00 00 00 00 00 00 00 00 00
SW - Patch Level	00
SW - week	49
SW- Year	20
Supplier ID	Harman
Flash Definition Number (FDN)	00 01

Diagnostic Variant	00 02
Diagnostic Version	00 00 00 08
Supplier Manufacturer ECU Software Part Number	4027025

OCM DETAILS

NAME	VALUE
Model Year	2021
Country Code	USA / USA
Vehicle Line	RU / VEH_RU
Body Style	Station Wagon
Active Diagnostic Variant	40
Active Diagnostic Version	30
ECU Serial Number	
VIN Original	
VIN Current	
ECU Part Number	68403127AA
Software Logical Block #0 Part Number	28444600
Hardware Part Number	28608000

HVACR DETAILS

NAME	VALUE
Body Style	Station Wagon
Country Code	USA
Model Year	21
Vehicle Line	RU
VIN Current	
Active Diagnostic Version	01
Active Diagnostic Variant	43
ECU Part Number	68373079AB

LBSS DETAILS

NAME	VALUE
Country Code	USA / USA
Body Style	Station Wagon
Vehicle Line	RU
Model Year	2021
ECU Software Mode	Running in Application
Active Diagnostic Version	02
Active Diagnostic Variant	42
Software Logical Block Supplier Identification	Autoliv
VIN Original	
SW - year - Logical Block #1	2018
SW - patch level - Logical Block #1	00
SW - week - Logical Block #1	13

HW - Year	2017
HW - Week	48
HW - Patch Level	02
Software Logical Block #1 Part Number	647851800A
Software Logical Block #2 Part Number	647851800A
Software Logical Block #3 Part Number	647851800A
Serial Number	
Hardware Supplier Identification	Autoliv
Hardware Part Number	631511300F
VIN Current	
ECU Part Number	04672786AB

RBSS DETAILS

NAME	VALUE
Hardware Part Number	631511300F
VIN Current	
Software Logical Block #2 Part Number	647851800A
Software Logical Block #3 Part Number	647851800A
Software Logical Block #1 Part Number	647851800A
Active Diagnostic Variant	42
Active Diagnostic Version	02
ECU Software Mode	Running in Application
Vehicle Line	RU
Body Style	Station Wagon
Country Code	USA / USA
Model Year	2021
Serial Number	
Hardware Supplier Identification	Autoliv
ECU Part Number	04672786AB
HW - Patch Level	02
HW - Year	2017
HW - Week	48
SW - week - Logical Block #1	13
SW - patch level - Logical Block #1	00
SW - year - Logical Block #1	2018
VIN Original	
Software Logical Block Supplier Identification	Autoliv

FFCM DETAILS

NAME	VALUE
Active Diagnostic Variant	41
Active Diagnostic Version	02
Model Year	2021
Vehicle Line	RU

Country Code	USA / USA
Body Style	Station Wagon
VIN Original	
ECU Part Number	68493395AA
VIN Current	

EDM DETAILS

NAME	VALUE
Sales Code	RDU
Vehicle Line	RU
Country Code	USA
Body Style	Wagon
Model Year	2021
ECU Part Number	68378304AB
HW - Year	12
HW - Patch Level	00
HW - Week	10
SW - Patch Level	0
SW - week	8
SW - year	17
Active Diagnostic Variant	40
Active Diagnostic Version	00
VIN Current	
ECU Serial Number	
Hardware Supplier Identification	Mitsubishi Electric
VIN Original	
Software Supplier Identification	Mitsubishi Electric

APM DETAILS

NAME	VALUE
VIN Current	
VIN Original	
ECU Part Number	05185046AB
Active Diagnostic Variant	40
Active Diagnostic Version	01
ECU Serial Number	
Vehicle Line	RU
Country Code	USA / USA

BPCM DETAILS

NAME	VALUE
ECU Serial Number	
VIN Original	
VIN Current	

ECU Part Number	05193183AE
Active Diagnostic Variant	40
Active Diagnostic Version	05
SW - Patch Level	00
SW - week	44
SW - year	2020

HCP DETAILS

NAME	VALUE
HCP SW Version	21B
MCP SW Version	2109A0
Transmission Assembly Traceability Number	TTPUZ3490M0041
Transmission Assembly Part Number	05062423EE
ECU Serial Number	
VIN Current	
VIN Original	
Active Diagnostic Version	06
Active Diagnostic Variant	40

OBCM DETAILS

NAME	VALUE
VIN Original	
Active Diagnostic Variant	40
Active Diagnostic Version	02
ECU Serial Number	
ECU Part Number	05185047AE
VIN Current	

MSMP DETAILS

NAME	VALUE
Software Logical Block #0 Part Number	68321862AC
ECU Part Number	68321862AC
Country Code	USA
Body Style	Station Wagon
Vehicle Line	RU
Model Year	2021
ECU Serial Number	
Active Diagnostic Variant	40
Gateway	False
Active Diagnostic Version	1
Active Diagnostic Session	Default
ECU Software Mode	Running in Application
Software Logical Block Supplier Identification	Kostal
VIN Original	

VIN Current	
Hardware Part Number	68321862AC

DSM DETAILS

NAME	VALUE
Hardware Supplier Identification	00C9
Active Diagnostic Variant	43
Active Diagnostic Version	00
Body Style	Station Wagon
Model Year	2021
Vehicle Line	2D
Country Code	USA / USA
Hardware - Week	12
Hardware - Year	2020
Hardware - Patch Level	00
ECU Part Number	68438382AD
Software - Week	40
Software - Year	2020
Software - Patch Level	00
Software Logical Block Supplier Identification	00C9
VIN Current	
ECU Serial Number	

VRM DETAILS

NAME	VALUE
VIN Current	
Model Year	2021
Country Code	USA / USA
Vehicle Line	RJ
Body Style	Station Wagon
VIN Original	
ECU Software Mode	Running in Application
Active Diagnostic Version	01
Active Diagnostic Variant	40
Software Part Number	10028795

RCCC DETAILS

NAME	VALUE
ECU Serial Number	
VIN Original	
ECU Software Mode	Running in Application
Active Diagnostic Version	00
Active Diagnostic Variant	40
Active Diagnostic Session	Default

Gateway	False
ECU Part Number	6WL30DX9AA
VIN Current	
Vehicle Line	RU
Model Year	21
Country Code	USA
Body Style	Station Wagon
Hardware Part Number	68223337AB

CVPM DETAILS

NAME	VALUE
Country Code	USA / USA
Model Year	2021
Vehicle Line	RU
Active Diagnostic Variant	40
Active Diagnostic Version	04
VIN Original	
ECU Part Number	56029920AB
ECU Serial Number	
VIN Current	

EAC DETAILS

NAME	VALUE
VIN Original	
ECU Part Number	68237995AG
VIN Current	
Active Diagnostic Variant	41
Active Diagnostic Version	02

AHCP DETAILS

NAME	VALUE
AHCP SW Version	21B
MCPA SW Version	2109A0
Active Diagnostic Version	00
Active Diagnostic Variant	40
Body Style	Station Wagon
Model Year	2021
Vehicle Line	RU
VIN Original	
Hardware Part Number	05190174AM
ECU Part Number	05185117AJ
VIN Current	

EBBM DETAILS

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NAME	VALUE
Active Diagnostic Variant	40
Active Diagnostic Version	00
ECU Part Number	68461813AB
ECU Serial Number	

ABSO DETAILS

NAME	VALUE
Sensor Cluster Serial Number	
Active Diagnostic Version	01
Active Diagnostic Variant	42
Model Year	2021
Body Style	Station Wagon
Country Code	USA
Vehicle Line	RU
ECU Part Number	68471122AD
ECU Serial Number	

SGW DETAILS

NAME	VALUE
VIN Original	
Active Diagnostic Session Data Identifier	Extended Diagnostic Session
System Supplier ECU Software Version Number	969
ECU Serial Number	
Diagnostic Version	03
Supplier ID	Bosch
Diagnostic Variant ID	41
System Supplier ECU Hardware Number	6002JE1371
ECU Part Number	68488429AB
System Supplier ECU Software Number	V230
System Supplier ECU Hardware Version Number	5

TBM2 DETAILS

NAME	VALUE
Network Connection Status	Connected
IMEI (International Mobile Equipment Identity) Number	015395001336285
SIM identifier ICCID (Integrated Circuit Card Identifier)	89011704272522432835
Network Registration Status	Registered to HOME NETWORK
Radio Access Technology	4G
MSISDN (Mobile Subscriber ISDN) Number	15248662810
IMSI (International Mobile Subscriber Identity) Number	310170252243283
Hardware Supplier Identification	0030
ECU Part Number	68546266AB
VIN Current	

Active Diagnostic Variant	41
Active Diagnostic Version	04
VIN Original	
Software Part Number	52199750
Software Logical Block Supplier Identification	Magneti Marelli
Software - Year	2020
Software - Week	42
Software - Patch Level	5C
Hardware - Patch Level	02
Hardware - Year	2019
Hardware - Week	14
ECU Serial Number	
Hardware Part Number	52154506
Vehicle Line	RU
Country Code	USA
Model Year	2021



VEHICLE SCAN REPORT

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

Odometer 39356.5 miles
Publication Date Apr 28, 2022, 11:04:55 AM

ECU SUMMARY INFO

ECU	NAME	BUS TYPE	FLASH PART #	CURRENT VIN	ORIGINAL VIN	PART #
PCM	Powertrain Control Module	CAN-C	68499122AF	[REDACTED]	[REDACTED]	68499122AF
PLGM	Power Liftgate	CAN-I	68466171AI	[REDACTED]	—	68466171AI
ICS	Integrated Center Stack	CAN-I	7AS341X8AA	[REDACTED]	[REDACTED]	7AS341X8AA
RFH	Radio Frequency Hub	CAN-C	68500152AA	[REDACTED]	[REDACTED]	68500152AA
ESM	Electronic Shifter	CAN-C	68240089AM	[REDACTED]	[REDACTED]	68240089AM
ORC	Occupant Restraint	CAN-C	68480710AC	[REDACTED]	[REDACTED]	68480710AC
EPS	Electric Power Steering	CAN-C	68460392AA	[REDACTED]	[REDACTED]	68460392AA
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
CSWM	Comfort Seat Wheel Module	CAN-I	68517011AB	[REDACTED]	[REDACTED]	68517011AB
AMP	Amplifier	CAN-I	68476878AA	[REDACTED]	[REDACTED]	68476878AA
IPC	Instrument Panel Cluster	CAN-C	68434960AE	[REDACTED]	[REDACTED]	68434960AE
PTS	Parktronics	CAN-C	68485862AA	[REDACTED]	[REDACTED]	68485862AA
SCCM	Steering Column Control Module	CAN-C	68360889AD	[REDACTED]	[REDACTED]	68360889AD
BCM	Body Controller	CAN-C	68491085AG	[REDACTED]	[REDACTED]	68491085AG

ACC	Adaptive Cruise Control	CAN-C	68540436AA			68540436AA
RADIO	Radio	CAN-I	68465292AC			68465292AC
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	04672786AB			04672786AB
RBSS	Right Blind Spot Sensor	CAN-I	04672786AB			04672786AB
FFCM	Forward Facing Camera Module	CAN-C	68493395AA			68493395AA
EDM	External Disc Module	CAN-I	68378304AB			68378304AB
APM	Accessory Power Module	CAN-C	05185046AB			05185046AB
BPCM	Battery Pack Control Module	CAN-C	05193183AE			05193183AE
HCP	Hybrid Control Processor	CAN-C	05185116AJ			05185116AJ
OBCM	On Board Charging Module	CAN-C	05185047AE			05185047AE
MSMP	Memory Seat Module - Passenger	CAN-I	68321862AC			68321862AC
DSM	Display Screen Module	CAN-I	68438382AD			68438382AD
VRM	Video Routing Module	CAN-I	68493702AA			68493702AA
RCCC	Rear Cabin Comfort Controls	CAN-I	6WL30DX9AA			6WL30DX9AA
CVPM	Central vision processing module	CAN-I	56029920AB			56029920AB
EAC	Electric A/C Compressor	CAN-C	68237995AG			68237995AG
AHCP	Auxiliary Hybrid Control Processor	CAN-C	05185117AJ			05185117AJ
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
TBM2	Telematic Box Module 2	CAN-C	68546266AB			68546266AB

ECU SUMMARY INFO (CONT...)

ECU	COUNTRY CODE	HARDWARE VERSION	SOFTWARE VERSION	IDENT	CVNS
PCM	USA	1B 47	75 02 00	4422	7DC2E312
PLGM	USA	0	5084	000200000031	
ICS	USA	0F 0C 00	13 31 01	4700	
RFH	USA / USA	10 17 00	13 26 00	4A00	

ESM	USA / USA	0F 24 00	12 28 FF	4402	
ORC	USA / USA	12 1A 00	13 2E 00	4301	
EPS	USA / USA	12 2A 00	12 1E 01	4502	
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	
CSWM	USA	11 2A 00	14 25 00	4302	
AMP	USA	18 2E 01	13 15 00	4030	
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 12 01	14 26 01	4400	
RADIO		65	5175	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	12 0D 00	4202	
RBSS	USA / USA	11 30 02	12 0D 00	4202	
FFCM	USA / USA	11 06 00	13 1E 00	4102	
EDM	USA	12 0A 00	11 08 00	4000	
APM	USA / USA	11 32 00	11 32 00	4001	
BPCM		0E 03 00	14 2C 00	4005	79855957
HCP	USA	11 1F 04	0F 2D 00	4006	5D31A9B9 16AACD23 050DC953
OBCM	USA	0F 0D 00	12 02 00	4002	
MSMP	USA	0F 2B 00	10 27 03	4001	
DSM	USA / USA	14 0C 00	14 28 00	4300	
VRM	USA / USA	0F 1C 00	14 1E 14	4001	
RCCC	USA	0F 1D 00	13 04 00	4000	
CVPM	USA / USA	11 27 01	14 0C 01	4004	
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	
TBM2	USA	13 0E 02	14 2A 5C	4104	

DTC SUMMARY

ECU	DTC CODE	DTC DESCRIPTION	STATUS
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PLGM	B1975-00	Power Liftgate Latch Cinch - Ratchet Secondary Switch Performance-	Stored
HVAC	B10EB-00	Blower Power Module-	Stored
MSM	B222D-00	ECU Unable To Configure/Configuration Not Learned-	Stored
BPCM	U3017-00		Stored
BPCM	P1AE2-00	Battery Energy Control Module High Voltage System Interlock Circuit-	Active
BPCM	P0AA4-00	Hybrid/EV Battery Negative Contactor "A" Stuck Closed-	Active
BPCM	P1A21-00	HV Battery Contactor Control Sequence Incorrect-	Stored
BPCM	P0C77-00	HV Battery System Precharge Time Too Short-	Active
BPCM	P0AA6-00	Hybrid Battery Voltage System Isolation Fault-	Active
HCP	P084F-00	Park/Neutral Switch Output-	Stored
HCP	P0E15-00	Hybrid/EV Battery Pack Coolant Heater "A" Control Performance-	Active
HCP	P1AEC-00	MCPA HV Battery Voltage Sensor Circuit Performance-	Active
HCP	P1AED-00	MCPB High Voltage Battery Voltage Sensor Circuit Performance-	Active
MSMP	B222D-00	ECU Unable To Configure/Configuration Not Learned-	Stored
TBM2	B210D-16	Battery Voltage Low-Circuit Voltage Below Threshold	Stored

ENVIRONMENTAL DATA SUMMARY

PLGM | B1975-00 | Stored | Power Liftgate Latch Cinch - Ratchet Secondary Switch Performance-

NAME	VALUE	UNITS
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HVAC | B10EB-00 | Stored | Blower Power Module-

NAME	VALUE	UNITS
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
Occurrence flag	Error	
Original Odometer Value	39350	miles
Most Recent Odometer Value	39350	miles
Frequency Counter	17	
Ignition Cycle Counter	6	

MSM | B222D-00 | Stored | ECU Unable To Configure/Configuration Not Learned-

NAME	VALUE	UNITS
DTC	A2 2D 00	
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Confirmed DTC	True	

Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number - All	01	
Occurrence flag	Occurrence	
Original Odometer Value	39300	miles
Most Recent Odometer Value	39300	miles
Frequency Counter	2	
Ignition Cycle Counter	3	
DTC Extended Data Record Number	14	
Calibration Version	03 09 00 01	
Front Hard Stop - Current	33013	Counts
Rear Hard Stop - Current	32227	Counts
Learned Seat Travel - Current	786	Counts
Default Seat travel length	780	Counts
Destandardization Reason	Diagnostics	
Front Hard Stop - Pre-destandardization	Not Learned	Counts
Rear Hard Stop - Pre-destandardization	Not Learned	Counts
Learned Seat Travel - Pre-destandardization	Not Learned	Counts
Front Hard Stop - Post-destandardization	33013	Counts
Rear Hard Stop - Post-destandardization	32227	Counts
Learned Seat Travel - Post-destandardization	786	Counts
ECU Voltage	2.060	Volts
Number of ECU hard resets since latest calibration	20	Counts
Vertical Front motor sensor - Short to ground	False	
Vertical Rear motor sensor - Short to ground	False	
Vertical Front motor sensor - Short to battery or open	False	
Vertical Rear motor sensor - Short to battery or open	False	
Horizontal motor sensor - Short to ground	False	
Horizontal motor sensor - Short to battery or open	False	
Recliner motor sensor - Short to ground	False	
Recliner motor sensor - Short to battery or open	False	
Position Horizontal Adjustment	32386	Counts
Position Vertical Rear	32654	Counts
Position Recliner	32279	Counts
Position Vertical Front	32983	Counts
Movement Direction - Horizontal Motor	Motor not moving	
Movement Direction - Recliner Motor	Motor not moving	
Movement Direction - Vertical Front Motor	Motor not moving	
Movement Direction - Vertical Rear Motor	Motor not moving	
ECU configuration - Vehicle Line	RU	
ECU configuration - Adjustable Pedals	False	
ECU configuration - Telescope/Tilt	False	

ECU configuration - Memory Seat	True	
ECU configuration - Stow n Assist	True	

BPCM | U3017-00 | Stored |

NAME	VALUE	UNITS
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BPCM | P1AE2-00 | Active | Battery Energy Control Module High Voltage System Interlock Circuit-

NAME	VALUE	UNITS
DTC	1A E2 00	
Test Failed	True	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
Occurrence flag	Error	
Original Odometer Value	39350	miles
Most Recent Odometer Value	39350	miles
Frequency Counter	1	
Ignition Cycle Counter	0	
FoM - for this DTC (lifetime fails)	21	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	40424576	seconds
Key in Ignition	Key_Def	
Key Position	Ign_Lock	
EPT -WakeUp	Sourced	
HCP Contactor Command	Impact Open	
Qualified Contactor Command - QCC	Open	
Verified Contactor Command - VCC	Invalid	
Contactor Status	Open	
Plug in Status	Not plugged in	
ChargingLevel	Plug in, but no charge	
Balance Mode	False	
Battery in Periodic wake up (Just battery) at time of Fault	False	
Battery in Periodic wake up (Wake up vehicle) at time of Fault	False	
Vehicle mileage at time of fault (ODO signal in \$3D2)	39356.33	miles
Battery Lifetime Miles	6A4418	miles
Vehicle Speed	0.0	MPH
System (12) Volts at time of fault	12.132	Volts
Battery Lifetime AmpHrs of Charge	0.0	AHr
Battery Lifetime AmpHrs of DisCharge	0.0	AHr

SOC at time of Fault	0.0	%
Power Up SOC at time of Fault	0.0	%
HVIL Status -Vehicle	Not Sourced	
HVIL Status - Battery pack	Not Sourced	
HVIL PWM Duty Cycle - Vehicle	0.0	%
HVIL PWM Frequency - Vehicle	0.0	Hz
HVIL PWM peak voltage Sourced - Vehicle	7.364	Volts
HVIL PWM peak voltage Sensed - Vehicle	0.292	Volts
HVIL Source Voltage- Battery	7.237	Volts
HVIL Returned current - Battery	0.10	mA
HV Battery Current Sensor 1 Hall High	-1.05	Amps
HV Battery Current Sensor 2 Hall Low	0.00	Amps
HV Battery Current HVBatCmt	0.00	Amps
HV Cooling Speed Pump 1 Target	725	rpm
HV Cooling Speed pump 1 Speed	725	rpm
Charge indicator Temp	64	°F
BPCM temperature max	-40	°F
BPCM temperature min	-40	°F
Pump - Wire Open\Short to Gnd	PASS	
Pump - Dry Run Detection	PASS	
Pump - Overcurrent	PASS	
Pump - Overtemperature	PASS	
Pump - Switch Power Shorted	PASS	
Isolation Circuitry Va	2.497	Volts
Isolation Circuitry Vb	2.500	Volts
Isolation Circuitry Vd	0.000	Volts
WC and Circuitry 2.5V Reference Voltage	2.498	Volts
WC and Circuitry Vcc Voltage	5.002	Volts
WC and CircuitryISO 8V Reference Voltage	7.958	Volts
WC and Circuitry Weld Contactor Sensor G (Pack Negative) Voltage	0.4	Volts
CVTN COMP ERR H	Normal	
CVTN COMP ERR L	Normal	
CVTN COMP FLT H	Normal	
CVTN COMP FLT L	Latched	
CVTN EDGE ERR H	Normal	
CVTN EDGE ERR L	Normal	
CVTN ABORT H	Normal	
CVTN ABORT L	Normal	
CVTN CRC FAULT H	Normal	
CVTN CRC FAULT L	Normal	
CVTN FRAM ERR	Normal	
CVTN STOP ERR	Normal	
CVTN STK FAULT ERR	Latched	
CVTN SYS RESET	Normal	

CVTN COMM TIMEOUT	Normal	
CVTN VDIG WAKE FAULT	Normal	
CVTN INT TEMP FAULT	Normal	
CVTN VDIG FAULT	Normal	
CVTN VM FAULT	Normal	
CVTN VP FAULT	Normal	
CVTN VP CLAMP	Normal	
CVTN FACT CKSUM ERR	Normal	
CVTN ANALOG FAULT ERR	Normal	
CVTN HREF FAULT	Normal	
CVTN HREF GND FAULT	Normal	
CVTN ADC CAL ERR	Normal	
CVTN CUST ECC COR	Normal	
CVTN CUST ECC ERR	SNA	
CVTN FACT ECC COR	SNA	
CVTN ACT ECC ERR	SNA	
Cycles left to self heal	40	No Unit
Fault trigger level 1	False	
Fault trigger level 2	False	
Fault trigger level 3	False	
Fault Path	01	
HV Battery Charge Power 2sec	0	watts
HV Battery Charge Power 10sec	0	watts
HV Battery Discharge Power 2sec	0	watts
HV Battery Discharge Power 10sec	0	watts
HV Battery Power	007530	watts
Key - DriveRdy (CAN)	False	
Battery Lifetime Number Of Closes	3836	
Battery Full AmpHr Capacity	0	AmpHrs
Cell Impedance Max Discharge	0	mOhms
Cell Impedance Mim Discharge	0	mOhms
Battery Cell Voltage Maximum	0	mV
Battery Cell Voltage Minimum	34464	mV
Battery Cell Voltage Average	3850	mV
Battery Cell Highest Cell number	00	
Battery Cell Lowest Cell number	00	
HV Battery Voltage (cell sum)	0.00	Volts
HV Battery Voltage (Module Sum)	0.00	Volts
HV Sensor A Pack Voltage	1.20	Volts
HV Sensor B Bus\Link (Pre-Fuse) Voltage	0.60	Volts
HV Sensor C OBCM (HVOBC Fuse) Voltage	0.60	Volts
HV Sensor D Heater (HVHTR Fuse) Voltage	0.60	Volts
HV Sensor G Weld Contactor(Pack Negative) Voltage	0.4	Volts
Battery Temperature Maximum Module	-40	°F

Battery Temperature Minimum Module	-40	°F
Battery Temperature Average Module	-40	°F
Battery Temperature Highest Sensor number	01	
Battery Temperature Lowest Sensor number	01	
Battery Temperature Number of Failing Sensors	12	
HV Cooling Pump Relay Drive	Not Sourced	
HV Cooling Battery coolant inlet temp	64	°F
HV Cooling Battery coolant outlet temp	64	°F
HV Cooling OBCM temp inlet Temp	64	°F
Pump - Battery Coolant Level Low	False	
Isolation Vehicle Diagnostic Status	Run and Failed	
Isolation Vehicle Impedance	0.0200	Mega Ohms
Isolation Battery Diagnostic Status	Run and Passed	
Isolation Battery Impedance	0.8480	Mega Ohms
CVTN CUST CKSUM ERR	Normal	

BPCM | P0AA4-00 | Active | Hybrid/EV Battery Negative Contactor "A" Stuck Closed-

NAME	VALUE	UNITS
DTC	0A A4 00	
Test Failed	True	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
Occurrence flag	Error	
Original Odometer Value	39350	miles
Most Recent Odometer Value	39350	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	40247696	seconds
Key in Ignition	Key_Def	
Key Position	Ign_Run	
EPT -WakeUp	Sourced	
HCP Contactor Command	Open	
Qualified Contactor Command - QCC	Open	
Verified Contactor Command - VCC	Open	
Contactor Status	PreCharging Failed	
Plug in Status	Not plugged in	

ChargingLevel	Plug in, but no charge	
Balance Mode	False	
Battery in Periodic wake up (Just battery) at time of Fault	False	
Battery in Periodic wake up (Wake up vehicle) at time of Fault	False	
Vehicle mileage at time of fault (ODO signal in \$3D2)	39356.33	miles
Battery Lifetime Miles	6A4418	miles
Vehicle Speed	0.0	MPH
System (12) Volts at time of fault	12.139	Volts
Battery Lifetime AmpHrs of Charge	17272.1	AHr
Battery Lifetime AmpHrs of DisCharge	17217.8	AHr
SOC at time of Fault	68.2	%
Power Up SOC at time of Fault	68.2	%
HVIL Status -Vehicle	Not Sourced	
HVIL Status - Battery pack	PASS	
HVIL PWM Duty Cycle - Vehicle	50.2	%
HVIL PWM Frequency - Vehicle	87.9	Hz
HVIL PWM peak voltage Sourced - Vehicle	10.687	Volts
HVIL PWM peak voltage Sensed - Vehicle	10.627	Volts
HVIL Source Voltage- Battery	1.377	Volts
HVIL Returned current - Battery	30.40	mA
HV Battery Current Sensor 1 Hall High	-0.85	Amps
HV Battery Current Sensor 2 Hall Low	0.00	Amps
HV Battery Current HVBatCmnt	0.00	Amps
HV Cooling Speed Pump 1 Target	0	rpm
HV Cooling Speed pump 1 Speed	0	rpm
Charge indicator Temp	88	°F
BPCM temperature max	88	°F
BPCM temperature min	84	°F
Pump - Wire Open\Short to Gnd	PASS	
Pump - Dry Run Detection	PASS	
Pump - Overcurrent	PASS	
Pump - Overtemperature	PASS	
Pump - Switch Power Shorted	PASS	
Isolation Circuitry Va	2.498	Volts
Isolation Circuitry Vb	2.501	Volts
Isolation Circuitry Vd	0.000	Volts
WC and Circuitry 2.5V Reference Voltage	2.498	Volts
WC and Circuitry Vcc Voltage	5.002	Volts
WC and CircuitryISO 8V Reference Voltage	7.963	Volts
WC and Circuitry Weld Contactor Sensor G (Pack Negative) Voltage	0.6	Volts
CVTN COMP ERR H	Normal	
CVTN COMP ERR L	Normal	
CVTN COMP FLT H	Normal	
CVTN COMP FLT L	Normal	

CVTN EDGE ERR H	Normal	
CVTN EDGE ERR L	Normal	
CVTN ABORT H	Normal	
CVTN ABORT L	Normal	
CVTN CRC FAULT H	Normal	
CVTN CRC FAULT L	Normal	
CVTN FRAM ERR	Normal	
CVTN STOP ERR	Normal	
CVTN STK FAULT ERR	Latched	
CVTN SYS RESET	Normal	
CVTN COMM TIMEOUT	Normal	
CVTN VDIG WAKE FAULT	Normal	
CVTN INT TEMP FAULT	Normal	
CVTN VDIG FAULT	Normal	
CVTN VM FAULT	Normal	
CVTN VP FAULT	Normal	
CVTN VP CLAMP	Normal	
CVTN FACT CKSUM ERR	Normal	
CVTN ANALOG FAULT ERR	Normal	
CVTN HREF FAULT	Normal	
CVTN HREF GND FAULT	Active	
CVTN ADC CAL ERR	Active	
CVTN CUST ECC COR	Normal	
CVTN CUST ECC ERR	SNA	
CVTN FACT ECC COR	SNA	
CVTN ACT ECC ERR	SNA	
Cycles left to self heal	40	No Unit
Fault trigger level 1	False	
Fault trigger level 2	False	
Fault trigger level 3	False	
Fault Path	01	
HV Battery Charge Power 2sec	100920	watts
HV Battery Charge Power 10sec	99162	watts
HV Battery Discharge Power 2sec	100953	watts
HV Battery Discharge Power 10sec	98814	watts
HV Battery Power	007530	watts
Key - DriveRdy (CAN)	True	
Battery Lifetime Number Of Closes	3836	
Battery Full AmpHr Capacity	47	AmpHrs
Cell Impedance Max Discharge	0	mOhms
Cell Impedance Mim Discharge	0	mOhms
Battery Cell Voltage Maximum	3850	mV
Battery Cell Voltage Minimum	3832	mV
Battery Cell Voltage Average	3842	mV

Battery Cell Highest Cell number	84	
Battery Cell Lowest Cell number	60	
HV Battery Voltage (cell sum)	368.80	Volts
HV Battery Voltage (Module Sum)	368.20	Volts
HV Sensor A Pack Voltage	368.60	Volts
HV Sensor B Bus\Link (Pre-Fuse) Voltage	1.30	Volts
HV Sensor C OBCM (HVOBC Fuse) Voltage	0.70	Volts
HV Sensor D Heater (HVHTR Fuse) Voltage	0.70	Volts
HV Sensor G Weld Contactor(Pack Negative) Voltage	0.6	Volts
Battery Temperature Maximum Module	88	°F
Battery Temperature Minimum Module	84	°F
Battery Temperature Average Module	86	°F
Battery Temperature Highest Sensor number	09	
Battery Temperature Lowest Sensor number	01	
Battery Temperature Number of Failing Sensors	00	
HV Cooling Pump Relay Drive	Not Sourced	
HV Cooling Battery coolant inlet temp	81	°F
HV Cooling Battery coolant outlet temp	81	°F
HV Cooling OBCM temp inlet Temp	82	°F
Pump - Battery Coolant Level Low	False	
Isolation Vehicle Diagnostic Status	Run and Failed	
Isolation Vehicle Impedance	0.0200	Mega Ohms
Isolation Battery Diagnostic Status	Run and Passed	
Isolation Battery Impedance	0.8480	Mega Ohms
CVTN CUST CKSUM ERR	Normal	

BPCM | P1A21-00 | Stored | HV Battery Contactor Control Sequence Incorrect-

NAME	VALUE	UNITS
DTC	1A 21 00	
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
Occurrence flag	Error	
Original Odometer Value	39350	miles
Most Recent Odometer Value	39350	miles
Frequency Counter	1	
Ignition Cycle Counter	1	
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	40247696	seconds
Key in Ignition	Key_Def	
Key Position	Ign_Run	
EPT -WakeUp	Sourced	
HCP Contactor Command	Closed	
Qualified Contactor Command - QCC	Closed	
Verified Contactor Command - VCC	Closed Restricted	
Contactor Status	PreCharging Failed	
Plug in Status	Not plugged in	
ChargingLevel	Plug in, but no charge	
Balance Mode	False	
Battery in Periodic wake up (Just battery) at time of Fault	False	
Battery in Periodic wake up (Wake up vehicle) at time of Fault	False	
Vehicle mileage at time of fault (ODO signal in \$3D2)	39356.33	miles
Battery Lifetime Miles	6A4418	miles
Vehicle Speed	0.0	MPH
System (12) Volts at time of fault	13.263	Volts
Battery Lifetime AmpHrs of Charge	17272.1	AHr
Battery Lifetime AmpHrs of DisCharge	17217.8	AHr
SOC at time of Fault	68.2	%
Power Up SOC at time of Fault	68.2	%
HVIL Status -Vehicle	PASS	
HVIL Status - Battery pack	PASS	
HVIL PWM Duty Cycle - Vehicle	50.2	%
HVIL PWM Frequency - Vehicle	87.9	Hz
HVIL PWM peak voltage Sourced - Vehicle	12.416	Volts
HVIL PWM peak voltage Sensed - Vehicle	12.318	Volts
HVIL Source Voltage- Battery	1.377	Volts
HVIL Returned current - Battery	30.20	mA
HV Battery Current Sensor 1 Hall High	1.05	Amps
HV Battery Current Sensor 2 Hall Low	2.15	Amps
HV Battery Current HVBatCmt	7.20	Amps
HV Cooling Speed Pump 1 Target	0	rpm
HV Cooling Speed pump 1 Speed	0	rpm
Charge indicator Temp	88	°F
BPCM temperature max	88	°F
BPCM temperature min	84	°F
Pump - Wire Open\Short to Gnd	PASS	
Pump - Dry Run Detection	PASS	
Pump - Overcurrent	PASS	
Pump - Overtemperature	PASS	
Pump - Switch Power Shorted	PASS	
Isolation Circuitry Va	2.519	Volts

Isolation Circuitry Vb	2.501	Volts
Isolation Circuitry Vd	0.000	Volts
WC and Circuitry 2.5V Reference Voltage	2.498	Volts
WC and Circuitry Vcc Voltage	5.012	Volts
WC and CircuitryISO 8V Reference Voltage	7.963	Volts
WC and Circuitry Weld Contactor Sensor G (Pack Negative) Voltage	11.0	Volts
CVTN COMP ERR H	Normal	
CVTN COMP ERR L	Normal	
CVTN COMP FLT H	Normal	
CVTN COMP FLT L	Normal	
CVTN EDGE ERR H	Normal	
CVTN EDGE ERR L	Normal	
CVTN ABORT H	Normal	
CVTN ABORT L	Normal	
CVTN CRC FAULT H	Normal	
CVTN CRC FAULT L	Normal	
CVTN FRAM ERR	Normal	
CVTN STOP ERR	Normal	
CVTN STK FAULT ERR	Latched	
CVTN SYS RESET	Normal	
CVTN COMM TIMEOUT	Normal	
CVTN VDIG WAKE FAULT	Normal	
CVTN INT TEMP FAULT	Normal	
CVTN VDIG FAULT	Normal	
CVTN VM FAULT	Normal	
CVTN VP FAULT	Normal	
CVTN VP CLAMP	Normal	
CVTN FACT CKSUM ERR	Normal	
CVTN ANALOG FAULT ERR	Normal	
CVTN HREF FAULT	Normal	
CVTN HREF GND FAULT	Active	
CVTN ADC CAL ERR	Active	
CVTN CUST ECC COR	Normal	
CVTN CUST ECC ERR	SNA	
CVTN FACT ECC COR	SNA	
CVTN ACT ECC ERR	SNA	
Cycles left to self heal	40	No Unit
Fault trigger level 1	False	
Fault trigger level 2	False	
Fault trigger level 3	False	
Fault Path	01	
HV Battery Charge Power 2sec	100920	watts
HV Battery Charge Power 10sec	99162	watts
HV Battery Discharge Power 2sec	100956	watts

HV Battery Discharge Power 10sec	98814	watts
HV Battery Power	007639	watts
Key - DriveRdy (CAN)	True	
Battery Lifetime Number Of Closes	3836	
Battery Full AmpHr Capacity	47	AmpHrs
Cell Impedance Max Discharge	0	mOhms
Cell Impedance Mim Discharge	0	mOhms
Battery Cell Voltage Maximum	3845	mV
Battery Cell Voltage Minimum	3829	mV
Battery Cell Voltage Average	3837	mV
Battery Cell Highest Cell number	80	
Battery Cell Lowest Cell number	52	
HV Battery Voltage (cell sum)	368.30	Volts
HV Battery Voltage (Module Sum)	367.80	Volts
HV Sensor A Pack Voltage	368.20	Volts
HV Sensor B Bus\Link (Pre-Fuse) Voltage	197.60	Volts
HV Sensor C OBCM (HVOBC Fuse) Voltage	155.50	Volts
HV Sensor D Heater (HVHTR Fuse) Voltage	123.00	Volts
HV Sensor G Weld Contactor(Pack Negative) Voltage	11.0	Volts
Battery Temperature Maximum Module	88	°F
Battery Temperature Minimum Module	84	°F
Battery Temperature Average Module	86	°F
Battery Temperature Highest Sensor number	11	
Battery Temperature Lowest Sensor number	01	
Battery Temperature Number of Failing Sensors	00	
HV Cooling Pump Relay Drive	Not Sourced	
HV Cooling Battery coolant inlet temp	81	°F
HV Cooling Battery coolant outlet temp	81	°F
HV Cooling OBCM temp inlet Temp	82	°F
Pump - Battery Coolant Level Low	False	
Isolation Vehicle Diagnostic Status	Run and Failed	
Isolation Vehicle Impedance	0.0200	Mega Ohms
Isolation Battery Diagnostic Status	Run and Passed	
Isolation Battery Impedance	0.8480	Mega Ohms
CVTN CUST CKSUM ERR	Normal	

BPCM | P0C77-00 | Active | HV Battery System Precharge Time Too Short-

NAME	VALUE	UNITS
DTC	0C 77 00	
Test Failed	True	
Test Failed This Operation Cycle	False	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	

Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	True	
Warning Indicator Requested	False	
Occurrence flag	Error	
Original Odometer Value	39350	miles
Most Recent Odometer Value	39350	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	40241964	seconds
Key in Ignition	Key_Def	
Key Position	Ign_Off_Acc	
EPT-WakeUp	Sourced	
HCP Contactor Command	Closed	
Qualified Contactor Command - QCC	Closed	
Verified Contactor Command - VCC	Closed Restricted	
Contactor Status	Closed	
Plug in Status	Not plugged in	
ChargingLevel	Plug in, but no charge	
Balance Mode	False	
Battery in Periodic wake up (Just battery) at time of Fault	False	
Battery in Periodic wake up (Wake up vehicle) at time of Fault	False	
Vehicle mileage at time of fault (ODO signal in \$3D2)	39356.33	miles
Battery Lifetime Miles	6A4418	miles
Vehicle Speed	0.0	MPH
System (12) Volts at time of fault	12.005	Volts
Battery Lifetime AmpHrs of Charge	0.0	AHr
Battery Lifetime AmpHrs of DisCharge	0.0	AHr
SOC at time of Fault	0.0	%
Power Up SOC at time of Fault	0.0	%
HVIL Status -Vehicle	PASS	
HVIL Status - Battery pack	PASS	
HVIL PWM Duty Cycle - Vehicle	50.2	%
HVIL PWM Frequency - Vehicle	87.9	Hz
HVIL PWM peak voltage Sourced - Vehicle	10.514	Volts
HVIL PWM peak voltage Sensed - Vehicle	10.417	Volts
HVIL Source Voltage- Battery	1.377	Volts
HVIL Returned current - Battery	30.20	mA
HV Battery Current Sensor 1 Hall High	-2.10	Amps
HV Battery Current Sensor 2 Hall Low	0.00	Amps
HV Battery Current HVBatCrnt	0.00	Amps
HV Cooling Speed Pump 1 Target	0	rpm

HV Cooling Speed pump 1 Speed	0	rpm
Charge indicator Temp	95	°F
BPCM temperature max	-40	°F
BPCM temperature min	-40	°F
Pump - Wire Open\Short to Gnd	PASS	
Pump - Dry Run Detection	PASS	
Pump - Overcurrent	PASS	
Pump - Overtemperature	PASS	
Pump - Switch Power Shorted	PASS	
Isolation Circuitry Va	2.498	Volts
Isolation Circuitry Vb	2.501	Volts
Isolation Circuitry Vd	0.000	Volts
WC and Circuitry 2.5V Reference Voltage	2.500	Volts
WC and Circuitry Vcc Voltage	5.000	Volts
WC and CircuitryISO 8V Reference Voltage	7.963	Volts
WC and Circuitry Weld Contactor Sensor G (Pack Negative) Voltage	0.2	Volts
CVTN COMP ERR H	Normal	
CVTN COMP ERR L	Normal	
CVTN COMP FLT H	Normal	
CVTN COMP FLT L	Normal	
CVTN EDGE ERR H	Normal	
CVTN EDGE ERR L	Normal	
CVTN ABORT H	Normal	
CVTN ABORT L	Normal	
CVTN CRC FAULT H	Normal	
CVTN CRC FAULT L	Normal	
CVTN FRAM ERR	Normal	
CVTN STOP ERR	Normal	
CVTN STK FAULT ERR	Normal	
CVTN SYS RESET	Normal	
CVTN COMM TIMEOUT	Normal	
CVTN VDIG WAKE FAULT	Normal	
CVTN INT TEMP FAULT	Normal	
CVTN VDIG FAULT	Normal	
CVTN VM FAULT	Normal	
CVTN VP FAULT	Normal	
CVTN VP CLAMP	Normal	
CVTN FACT CKSUM ERR	Normal	
CVTN ANALOG FAULT ERR	Normal	
CVTN HREF FAULT	Normal	
CVTN HREF GND FAULT	Normal	
CVTN ADC CAL ERR	Normal	
CVTN CUST ECC COR	Normal	
CVTN CUST ECC ERR	SNA	

CVTN FACT ECC COR	SNA	
CVTN ACT ECC ERR	SNA	
Cycles left to self heal	40	No Unit
Fault trigger level 1	False	
Fault trigger level 2	False	
Fault trigger level 3	False	
Fault Path	01	
HV Battery Charge Power 2sec	0	watts
HV Battery Charge Power 10sec	0	watts
HV Battery Discharge Power 2sec	0	watts
HV Battery Discharge Power 10sec	0	watts
HV Battery Power	007530	watts
Key - DriveRdy (CAN)	False	
Battery Lifetime Number Of Closes	3818	
Battery Full AmpHr Capacity	0	AmpHrs
Cell Impedance Max Discharge	0	mOhms
Cell Impedance Mim Discharge	0	mOhms
Battery Cell Voltage Maximum	0	mV
Battery Cell Voltage Minimum	34464	mV
Battery Cell Voltage Average	3814	mV
Battery Cell Highest Cell number	00	
Battery Cell Lowest Cell number	00	
HV Battery Voltage (cell sum)	0.00	Volts
HV Battery Voltage (Module Sum)	365.80	Volts
HV Sensor A Pack Voltage	366.20	Volts
HV Sensor B Bus\Link (Pre-Fuse) Voltage	366.10	Volts
HV Sensor C OBCM (HVOBC Fuse) Voltage	366.10	Volts
HV Sensor D Heater (HVHTR Fuse) Voltage	366.00	Volts
HV Sensor G Weld Contactor(Pack Negative) Voltage	0.2	Volts
Battery Temperature Maximum Module	-40	°F
Battery Temperature Minimum Module	-40	°F
Battery Temperature Average Module	-40	°F
Battery Temperature Highest Sensor number	01	
Battery Temperature Lowest Sensor number	01	
Battery Temperature Number of Failing Sensors	12	
HV Cooling Pump Relay Drive	Not Sourced	
HV Cooling Battery coolant inlet temp	95	°F
HV Cooling Battery coolant outlet temp	97	°F
HV Cooling OBCM temp inlet Temp	86	°F
Pump - Battery Coolant Level Low	False	
Isolation Vehicle Diagnostic Status	Run and Failed	
Isolation Vehicle Impedance	0.0200	Mega Ohms
Isolation Battery Diagnostic Status	Run and Passed	
Isolation Battery Impedance	0.8480	Mega Ohms

CVTN CUST CKSUM ERR

Normal

BPCM | P0AA6-00 | Active | Hybrid Battery Voltage System Isolation Fault-

NAME	VALUE	UNITS
DTC	0A A6 00	
Test Failed	True	
Test Failed This Operation Cycle	False	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	True	
Warning Indicator Requested	True	
Occurrence flag	Error	
Original Odometer Value	38535	miles
Most Recent Odometer Value	39350	miles
Frequency Counter	25	
Ignition Cycle Counter	0	
FoM - for this DTC (lifetime fails)	4	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	39533520	seconds
Key in Ignition	Key_Def	
Key Position	Ign_Run	
EPT-WakeUp	Sourced	
HCP Contactor Command	Closed	
Qualified Contactor Command - QCC	Closed	
Verified Contactor Command - VCC	Closed Restricted	
Contactor Status	Closed	
Plug in Status	Not plugged in	
ChargingLevel	Plug in, but no charge	
Balance Mode	False	
Battery in Periodic wake up (Just battery) at time of Fault	False	
Battery in Periodic wake up (Wake up vehicle) at time of Fault	False	
Vehicle mileage at time of fault (ODO signal in \$3D2)	38541.25	miles
Battery Lifetime Miles	6A2F9B	miles
Vehicle Speed	62.0	MPH
System (12) Volts at time of fault	14.969	Volts
Battery Lifetime AmpHrs of Charge	16885.0	AHr
Battery Lifetime AmpHrs of DisCharge	16851.3	AHr
SOC at time of Fault	25.9	%
Power Up SOC at time of Fault	24.7	%
HVIL Status -Vehicle	PASS	
HVIL Status - Battery pack	PASS	

HVIL PWM Duty Cycle - Vehicle	50.2	%
HVIL PWM Frequency - Vehicle	87.9	Hz
HVIL PWM peak voltage Sourced - Vehicle	13.760	Volts
HVIL PWM peak voltage Sensed - Vehicle	13.637	Volts
HVIL Source Voltage- Battery	1.377	Volts
HVIL Returned current - Battery	30.20	mA
HV Battery Current Sensor 1 Hall High	125.35	Amps
HV Battery Current Sensor 2 Hall Low	30.00	Amps
HV Battery Current HVBatCrnt	128.40	Amps
HV Cooling Speed Pump 1 Target	0	rpm
HV Cooling Speed pump 1 Speed	0	rpm
Charge indicator Temp	75	°F
BPCM temperature max	72	°F
BPCM temperature min	70	°F
Pump - Wire Open\Short to Gnd	PASS	
Pump - Dry Run Detection	PASS	
Pump - Overcurrent	PASS	
Pump - Overtemperature	PASS	
Pump - Switch Power Shorted	PASS	
Isolation Circuitry Va	2.506	Volts
Isolation Circuitry Vb	2.501	Volts
Isolation Circuitry Vd	0.000	Volts
WC and Circuitry 2.5V Reference Voltage	2.498	Volts
WC and Circuitry Vcc Voltage	5.019	Volts
WC and CircuitryISO 8V Reference Voltage	7.961	Volts
WC and Circuitry Weld Contactor Sensor G (Pack Negative) Voltage	0.2	Volts
CVTN COMP ERR H	Normal	
CVTN COMP ERR L	Normal	
CVTN COMP FLT H	Normal	
CVTN COMP FLT L	Normal	
CVTN EDGE ERR H	Normal	
CVTN EDGE ERR L	Normal	
CVTN ABORT H	Normal	
CVTN ABORT L	Normal	
CVTN CRC FAULT H	Normal	
CVTN CRC FAULT L	Normal	
CVTN FRAM ERR	Normal	
CVTN STOP ERR	Normal	
CVTN STK FAULT ERR	Active	
CVTN SYS RESET	Normal	
CVTN COMM TIMEOUT	Active	
CVTN VDIG WAKE FAULT	Normal	
CVTN INT TEMP FAULT	Normal	
CVTN VDIG FAULT	Normal	

CVTN VM FAULT	Normal	
CVTN VP FAULT	Normal	
CVTN VP CLAMP	Normal	
CVTN FACT CKSUM ERR	Normal	
CVTN ANALOG FAULT ERR	Normal	
CVTN HREF FAULT	Latched	
CVTN HREF GND FAULT	Normal	
CVTN ADC CAL ERR	Normal	
CVTN CUST ECC COR	Active	
CVTN CUST ECC ERR	SNA	
CVTN FACT ECC COR	SNA	
CVTN ACT ECC ERR	SNA	
Cycles left to self heal	40	No Unit
Fault trigger level 1	False	
Fault trigger level 2	False	
Fault trigger level 3	False	
Fault Path	01	
HV Battery Charge Power 2sec	91758	watts
HV Battery Charge Power 10sec	90120	watts
HV Battery Discharge Power 2sec	90849	watts
HV Battery Discharge Power 10sec	87618	watts
HV Battery Power	008588	watts
Key - DriveRdy (CAN)	True	
Battery Lifetime Number Of Closes	3744	
Battery Full AmpHr Capacity	47	AmpHrs
Cell Impedance Max Discharge	0	mOhms
Cell Impedance Mim Discharge	0	mOhms
Battery Cell Voltage Maximum	3406	mV
Battery Cell Voltage Minimum	3391	mV
Battery Cell Voltage Average	3398	mV
Battery Cell Highest Cell number	85	
Battery Cell Lowest Cell number	13	
HV Battery Voltage (cell sum)	326.20	Volts
HV Battery Voltage (Module Sum)	325.50	Volts
HV Sensor A Pack Voltage	325.70	Volts
HV Sensor B Bus\Link (Pre-Fuse) Voltage	325.70	Volts
HV Sensor C OBCM (HVOBC Fuse) Voltage	325.70	Volts
HV Sensor D Heater (HVHTR Fuse) Voltage	325.60	Volts
HV Sensor G Weld Contactor(Pack Negative) Voltage	0.2	Volts
Battery Temperature Maximum Module	72	°F
Battery Temperature Minimum Module	70	°F
Battery Temperature Average Module	72	°F
Battery Temperature Highest Sensor number	11	
Battery Temperature Lowest Sensor number	12	

Battery Temperature Number of Failing Sensors	00	
HV Cooling Pump Relay Drive	Not Sourced	
HV Cooling Battery coolant inlet temp	68	°F
HV Cooling Battery coolant outlet temp	64	°F
HV Cooling OBCM temp inlet Temp	59	°F
Pump - Battery Coolant Level Low	False	
Isolation Vehicle Diagnostic Status	Run and Failed	
Isolation Vehicle Impedance	0.2182	Mega Ohms
Isolation Battery Diagnostic Status	Run and Passed	
Isolation Battery Impedance	0.8480	Mega Ohms
CVTN CUST CKSUM ERR	Normal	

HCP | P084F-00 | Stored | Park/Neutral Switch Output-

NAME	VALUE	UNITS
DTC	08 4F 00	
Test Failed	False	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
Occurrence flag	Occurrence	
Original Odometer Value	39356.5	miles
Most Recent Odometer Value	39356.5	miles
Frequency Counter	1	
Ignition Cycle Counter	0	
Real time clock	40424576	sec
RAM stamps keyOn	0	sec
RAM Stamps	204929	Min
Accelerator Pedal Position	0	%
Brake Switch Status	Not Applied	
PHEV Charging Status	No Charging	
Engine Speed	0	rpm
HV Battery SOC	69	%
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
PP Actuator Position Sensor Voltage	3.86	Volts
Shift Lock Status	Locked	

Reverse Shift Lock Status	Unlocked	
PRND Blink	Initialization	
Auto Correction Request	APCM Off	
Park Pawl Motor PWM1	0	%
Park Pawl Motor Direction	Out of Park/Move Towards Disengage	
Park Pawl Motor Enable Feedback	Disabled	
Park Pawl Motor Current	0.1	AMP
Park Pawl Motor Counts	386	Counts
Park Pawl Status Feedback	Segment Two Complete	
Park Gated Switch	In Park	
Failure Reasons for Level 2 eShift	Reserved	
Battery Feed Voltage 2 Sense	11.808	Volts
Battery Feed Voltage 3 Sense	11.736	Volts
Internal EPS Voltage Sense A	0.000	Volts
Internal EPS Voltage Sense B	0.000	Volts
Battery Feed Voltage 1 Sense	11.736	Volts
Hybrid System State	Power Up	
Actual Torque - Motor A	-0.092	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	0	AMP
Motor A - Inverter Current - phase B	-4	AMP
Motor A - Inverter Current - phase C	0	AMP
Motor B - Inverter Current - phase A	-4	AMP
Motor B - Inverter Current - phase B	-4	AMP
Motor B - Inverter Current - phase C	0	AMP
Motor A Resolver Angle	342	Degree
Motor B Resolver Angle	346	Degree
Motor A Temp Sensor	68	°F
Motor B Temp Sensor	68	°F
Outside Air Temperature	65.3	°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	2	Volts

PIM DC Link Voltage - B	2	Volts
Inverter A IGBT Temperature for phase A	64	°F
Inverter A IGBT Temperature for phase B	64	°F
Inverter A IGBT Temperature for phase C	64	°F
Inverter B IGBT Temperature for phase A	64	°F
Inverter B IGBT Temperature for phase B	64	°F
Inverter B IGBT Temperature for phase C	64	°F
APM Status	Idle	
Impact Event	False	
HCP System Shutdown Command	Default	
Distance Travelled with Light ON	1000	miles
Motor A Torque	-0.092	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	619	ms

HCP | POE15-00 | Active | Hybrid/EV Battery Pack Coolant Heater "A" Control Performance-

NAME	VALUE	UNITS
DTC	0E 15 00	
Test Failed	True	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	True	
Occurrence flag	Occurrence	
Original Odometer Value	38355.4	miles
Most Recent Odometer Value	38355.4	miles
Frequency Counter	1	
Ignition Cycle Counter	0	
Real time clock	39448200	sec
RAM stamps keyOn	45	sec
RAM Stamps	199162	Min
Accelerator Pedal Position	0	%

Brake Switch Status	Applied	
PHEV Charging Status	No Charging	
Engine Speed	0	rpm
HV Battery SOC	76	%
Ignition State	Reserved	
PRND Position Display	R	
Propulsion System Active	True	
Vehicle Speed	1.9758	MPH
Barometric Pressure	14	PSI
Engine Coolant Temperature	70	°F
HV Coolant Heater - Below 60V	False	
HV Coolant Heater - Measured Coolant Inlet Temp	73	°F
HV Coolant Heater - Measured Coolant Outlet Temp	73	°F
HV Coolant Heater - Actual Current Consumption	0.00	AMP
HV Coolant Heater - Measured High Voltage	377	Volts
HV Coolant Heater - Actual Calculated Power Consumption	0	W
HV Coolant Heater - Desired Power Consumption	0	W
HV Coolant Heater - Response Error	No Error	
HV Coolant Heater - Communication Error (SPI Interface Issue)	False	
HV Coolant Heater - High Voltage Out of Range	False	
HV Coolant Heater - Low Voltage Out of Range	False	
HV Coolant Heater - Coolant Temp Out of Range	False	
HV Coolant Heater - HV Protection	False	
HV Coolant Heater - Overheat Protection	False	
HV Coolant Heater - Coolant Inlet Temp Sensor Defect	False	
HV Coolant Heater - Coolant Outlet Temp Sensor Defect	False	
HV Coolant Heater - Heater Core Temp Sensor Defect	False	
HV Coolant Heater - Short or Open Circuit at IGBTs	False	
HV Coolant Heater - Current Consumption at High Voltage Out of Range	False	
HV Coolant Heater - Memory Error	False	
HV Coolant Heater - DC/DC Voltage Out of Range	False	
Battery Feed Voltage 2 Sense	14.760	Volts
Battery Feed Voltage 3 Sense	14.544	Volts
Internal EPS Voltage Sense A	8.136	Volts
Internal EPS Voltage Sense B	8.136	Volts
Motor A - Inverter Current - phase A	0	AMP
Hybrid System State	Propulsion System Active	
Battery Feed Voltage 1 Sense	14.760	Volts
Actual Torque - Motor A	0.000	Ft-Lbs
Actual Torque - Motor B	-11.154	Ft-Lbs
Available Motor Torque - Motor A	87.205	Ft-Lbs
Available Motor Torque - Motor B	235.988	Ft-Lbs
Available Regen Torque - Motor A	-87.205	Ft-Lbs
Available Regen Torque - Motor B	-235.988	Ft-Lbs

Commanded Torque - Motor A	0.000	Ft-Lbs
Commanded Torque - Motor B	-10.970	Ft-Lbs
Motor A - Inverter Current - phase B	0	AMP
Motor A - Inverter Current - phase C	-4	AMP
Motor B - Inverter Current - phase A	24	AMP
Motor B - Inverter Current - phase B	0	AMP
Motor B - Inverter Current - phase C	-28	AMP
Motor A Resolver Angle	318	Degree
Motor B Resolver Angle	130	Degree
Motor A Temp Sensor	86	°F
Motor B Temp Sensor	93	°F
Outside Air Temperature	64.4	°F
HCP ePT Wake-Up Output	On	
CBC Wake-Up Input	Off	
EPT LOC Diag Enable	Enable LOC Diagnostic	
HV Contactor Status	Closed	
HV Battery Voltage from BPCM	374.20	Volts
Electric Motor A Speed	280.0	rpm
Electric Motor B Speed	-216.0	rpm
PIM DC Link Voltage - A	376	Volts
PIM DC Link Voltage - B	372	Volts
Inverter A IGBT Temperature for phase A	82	°F
Inverter A IGBT Temperature for phase B	82	°F
Inverter A IGBT Temperature for phase C	82	°F
Inverter B IGBT Temperature for phase A	84	°F
Inverter B IGBT Temperature for phase B	82	°F
Inverter B IGBT Temperature for phase C	84	°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	-11.154	Ft-Lbs
OBCM Operating Mode	UTC	
J1772 Prox Detected State	Prox Out	
HV Battery Sleep Time	0	Days
GPS Date - Year	2022	Year
GPS Date - Month	4	
GPS Date - Day	15	Days
UTC Time - Hours	14	Hours
UTC Time - Minutes	26	
UTC Time - Seconds	0	seconds
ECU Time - Milliseconds	125	ms

HCP | P1AEC-00 | Active | MCPA HV Battery Voltage Sensor Circuit Performance-

NAME	VALUE	UNITS
DTC	1A EC 00	
Test Failed	True	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Confirmed DTC	False	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
Occurrence flag		
Original Odometer Value		miles
Most Recent Odometer Value		miles
Frequency Counter		
Ignition Cycle Counter		
Real time clock		sec
RAM stamps keyOn		sec
RAM Stamps		Min
Accelerator Pedal Position		%
Brake Switch Status		
PHEV Charging Status		
Engine Speed		rpm
HV Battery SOC		%
Ignition State		
PRND Position Display		
Propulsion System Active		
Vehicle Speed		MPH
Barometric Pressure		PSI
Engine Coolant Temperature		°F
Actual Torque - Motor A		Ft-Lbs
Available Motor Torque - Motor A		Ft-Lbs
Inverter A Input DC Current		AMP
Electric Motor A Speed		rpm
Motor A - Inverter Current - phase A		AMP
Motor A - Inverter Current - phase B		AMP
Motor A - Inverter Current - phase C		AMP
Motor A Phase U Short Fault - High-Side		
Motor A Phase U Cross Conduction Fault - High-Side		
Motor A Phase U Over Current Fault - High-Side		
Motor A Phase U Thermal Warning Fault - High-Side		
Motor A Phase U Thermal Shutdown Fault - High-Side		
Motor A Phase U Comm Error High Voltage Regulator Fault - High-Side		
Motor A Phase U Comm Error Low Voltage Regulator Fault - High-Side		

Motor A Phase U SPI Error Fault - High-Side		
Motor A Phase U Hardware Error Fault - High-Side		
Motor A Phase U Short Fault - Low-Side		
Motor A Phase U Cross Conduction Fault - Low-Side		
Motor A Phase U Over Current Fault - Low-Side		
Motor A Phase U Thermal Warning Fault - Low-Side		
Motor A Phase U Thermal Shutdown Fault - Low-Side		
Motor A Phase U SPI Error Fault - Low-Side		
Motor A Phase U Hardware Error Fault - Low-Side		
Motor A Phase V Short Fault - High-Side		
Motor A Phase V Cross Conduction Fault - High-Side		
Motor A Phase V Over Current Fault - High-Side		
Motor A Phase V Thermal Warning Fault - High-Side		
Motor A Phase V Thermal Shutdown Fault - High-Side		
Motor A Phase V Comm Error High Voltage Regulator Fault - High-Side		
Motor A Phase V Comm Error Low Voltage Regulator Fault - High-Side		
Motor A Phase V SPI Error Fault - High-Side		
Motor A Phase V Hardware Error Fault - High-Side		
Motor A Phase V Short Fault - Low-Side		
Motor A Phase V Cross Conduction Fault - Low-Side		
Motor A Phase V Over Current Fault - Low-Side		
Motor A Phase V Thermal Warning Fault - Low-Side		
Motor A Phase V Thermal Shutdown Fault - Low-Side		
Motor A Phase V SPI Error Fault - Low-Side		
Motor A Phase V Hardware Error Fault - Low-Side		
Motor A Phase W Short Fault - High-Side		
Motor A Phase W Over Current Fault - High-Side		
Motor A Phase W Thermal Warning Fault - High-Side		
Motor A Phase W Thermal Shutdown Fault - High-Side		
Motor A Phase W Comm Error Low Voltage Regulator Fault - High-Side		
Motor A Phase W SPI Error Fault - High-Side		
Motor A Phase W Hardware Error Fault - High-Side		
Motor A Phase W Short Fault - Low-Side		
Motor A Phase W Cross Conduction Fault - Low-Side		
Motor A Phase W Over Current Fault - Low-Side		
Motor A Phase W Thermal Warning Fault - Low-Side		
Motor A Phase W Thermal Shutdown Fault - Low-Side		
Motor A Phase W Comm Error Low Voltage Regulator Fault - Low-Side		
Motor A Phase W SPI Error Fault - Low-Side		
Motor A Phase W Hardware Error Fault - Low-Side		
Motor A Resolver Supply Voltage Value		Volts
Battery Feed Voltage 2 Sense		Volts
Battery Feed Voltage 3 Sense		Volts
Internal EPS Voltage Sense A		Volts

Internal EPS Voltage Sense B		Volts
Hybrid System State		
PIM DC Link Voltage - A		Volts
PIM DC Link Voltage - B		Volts
Passive Pump Coolant Temp In Sensor		°F
Low Temp Active Pump Speed		rpm
High Temp Aux Pump - Actual Speed		rpm
Outside Air Temperature		°F
HV Contactor Status		
Inverter B Status Feedback		
Battery Feed Voltage 1 Sense		Volts
Actual Torque - Motor B		Ft-Lbs
Available Motor Torque - Motor B		Ft-Lbs
Available Regen Torque - Motor A		Ft-Lbs
Available Regen Torque - Motor B		Ft-Lbs
Commanded Torque - Motor A		Ft-Lbs
Commanded Torque - Motor B		Ft-Lbs
Motor B - Inverter Current - phase A		AMP
Motor B - Inverter Current - phase B		AMP
Motor B - Inverter Current - phase C		AMP
Motor B Resolver Angle		Degree
Motor B Temp Sensor		°F
HCP ePT Wake-Up Output		
CBC Wake-Up Input		
EPT LOC Diag Enable		
HV Battery Voltage from BPCM		Volts
Electric Motor B Speed		rpm
Inverter A IGBT Temperature for phase A		°F
Inverter A IGBT Temperature for phase B		°F
Inverter A IGBT Temperature for phase C		°F
Inverter B IGBT Temperature for phase A		°F
Inverter B IGBT Temperature for phase B		°F
Inverter B IGBT Temperature for phase C		°F
APM Status		
Impact Event		
HCP System Shutdown Command		
Distance Travelled with Light ON		miles
Motor A Torque		Ft-Lbs
Motor B Torque		Ft-Lbs
OBCM Operating Mode		
J1772 Prox Detected State		
HV Battery Sleep Time		Days
Commanded Inverter A State		
Inverter Status Feedback		

Motor A Phase U Over Voltage Fault VH - High-Side		
Motor A Phase U Under Voltage Fault VH - High-Side		
Motor A Phase U Over Voltage Fault VL - High-Side		
Motor A Phase U Under Voltage Fault VL - High-Side		
Motor A Phase U Over Voltage Fault VDD - High-Side		
Motor A Phase U Under Voltage Fault VDD - High-Side		
Motor A Phase U Over Voltage Fault VH - Low-Side		
Motor A Phase U Under Voltage Fault VH - Low-Side		
Motor A Phase U Over Voltage Fault VL - Low-Side		
Motor A Phase U Under Voltage Fault VL - Low-Side		
Motor A Phase U Over Voltage Fault VDD - Low-Side		
Motor A Phase U Under Voltage Fault VDD - Low-Side		
Motor A Phase U Comm Error High Voltage Regulator Fault - Low-Side		
Motor A Phase U Comm Error Low Voltage Regulator Fault - Low-Side		
Motor A Phase V Over Voltage Fault VH - High-Side		
Motor A Phase V Under Voltage Fault VH - High-Side		
Motor A Phase V Over Voltage Fault VL - High-Side		
Motor A Phase V Under Voltage Fault VL - High-Side		
Motor A Phase V Over Voltage Fault VDD - High-SideSide		
Motor A Phase V Under Voltage Fault VDD - High-Side		
Motor A Phase V Over Voltage Fault VH - Low-Side		
Motor A Phase V Under Voltage Fault VH - Low-Side		
Motor A Phase V Over Voltage Fault VL - Low-Side		
Motor A Phase V Under Voltage Fault VL - Low-Side		
Motor A Phase V Over Voltage Fault VDD - Low-Side		
Motor A Phase V Under Voltage Fault VDD - Low-Side		
Motor A Phase V Comm Error High Voltage Regulator Fault - Low-Side		
Motor A Phase V Comm Error Low Voltage Regulator Fault - Low-Side		
Motor A Phase W Cross Conduction Fault - High-Side		
Motor A Phase W Over Voltage Fault VH - High-Side		
Motor A Phase W Under Voltage Fault VH - High-Side		
Motor A Phase W Over Voltage Fault VL - High-Side		
Motor A Phase W Under Voltage Fault VL - High-Side		
Motor A Phase W Over Voltage Fault VDD - High-Side		
Motor A Phase W Under Voltage Fault VDD - High-Side		
Motor A Phase W Comm Error High Voltage Regulator Fault - High-Side		
Motor A Phase W Over Voltage Fault VH - Low-Side		
Motor A Phase W Under Voltage Fault VH - Low-Side		
Motor A Phase W Over Voltage Fault VL - Low-Side		
Motor A Phase W Under Voltage Fault VL - Low-Side		
Motor A Phase W Over Voltage Fault VDD - Low-Side		
Motor A Phase W Under Voltage Fault VDD - Low-Side		
Motor A Phase W Comm Error High Voltage Regulator Fault - Low-Side		
Inverter A Status Feedback		

GPS Date - Year		Year
GPS Date - Month		
GPS Date - Day		Days
UTC Time - Hours		Hours
UTC Time - Minutes		
UTC Time - Seconds		seconds
ECU Time - Milliseconds		ms

HCP | P1AED-00 | Active | MCPB High Voltage Battery Voltage Sensor Circuit Performance-

NAME	VALUE	UNITS
DTC	1A ED 00	
Test Failed	True	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Confirmed DTC	False	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
Occurrence flag		
Original Odometer Value		miles
Most Recent Odometer Value		miles
Frequency Counter		
Ignition Cycle Counter		
Real time clock		sec
RAM stamps keyOn		sec
RAM Stamps		Min
Accelerator Pedal Position		%
Brake Switch Status		
PHEV Charging Status		
Engine Speed		rpm
HV Battery SOC		%
Ignition State		
PRND Position Display		
Propulsion System Active		
Vehicle Speed		MPH
Barometric Pressure		PSI
Engine Coolant Temperature		°F
Actual Torque - Motor B		Ft-Lbs
Available Motor Torque - Motor B		Ft-Lbs
Inverter B Input DC Current		AMP
Electric Motor B Speed		rpm
Commanded Inverter B State		
Motor B - Inverter Current - phase A		AMP

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

Motor B Phase W Hardware Error Fault - High-Side

Motor B Phase W Short Fault - Low-Side

Motor B Phase W Cross Conduction Fault - Low-Side

Motor B Phase W Over Current Fault - Low-Side

Motor B Phase W Thermal Warning Fault - Low-Side

Motor B Phase W Thermal Shutdown Fault - Low-Side

Motor B Phase W Comm Error High Voltage Regulator Fault - Low-Side

Motor B Phase W Comm Error Low Voltage Regulator Fault - Low-Side

Motor B Phase W SPI Error Fault - Low-Side

Motor B Phase W Hardware Error Fault - Low-Side

Motor B Resolver Supply Voltage Value

Volts

Battery Feed Voltage 2 Sense

Volts

Internal EPS Voltage Sense A

Volts

Internal EPS Voltage Sense B

Volts

Battery Feed Voltage 1 Sense

Volts

Battery Feed Voltage 3 Sense

Volts

Hybrid System State

Actual Torque - Motor A

Ft-Lbs

Available Motor Torque - Motor A

Ft-Lbs

Available Regen Torque - Motor A

Ft-Lbs

Available Regen Torque - Motor B

Ft-Lbs

Commanded Torque - Motor A

Ft-Lbs

Commanded Torque - Motor B

Ft-Lbs

Motor A - Inverter Current - phase A

AMP

Motor A - Inverter Current - phase B

AMP

Motor A - Inverter Current - phase C

AMP

Motor A Resolver Angle

Degree

Motor A Temp Sensor

°F

Outside Air Temperature

°F

HCP ePT Wake-Up Output

CBC Wake-Up Input

EPT LOC Diag Enable

HV Contactor Status

HV Battery Voltage from BPCM

Volts

Electric Motor A Speed

rpm

PIM DC Link Voltage - A

Volts

PIM DC Link Voltage - B

Volts

Inverter A IGBT Temperature for phase A

°F

Inverter A IGBT Temperature for phase B

°F

Inverter A IGBT Temperature for phase C

°F

Inverter B IGBT Temperature for phase A

°F

Inverter B IGBT Temperature for phase B

°F

Inverter B IGBT Temperature for phase C

°F

APM Status

Impact Event

HCP System Shutdown Command

Distance Travelled with Light ON

miles

Motor A Torque

Ft-Lbs

Motor B Torque

Ft-Lbs

OBCM Operating Mode

J1772 Prox Detected State

HV Battery Sleep Time

Days

Motor B Phase U Over Current Fault - High-Side

Motor B Phase U Over Voltage Fault VH - High-Side

Motor B Phase U Under Voltage Fault VH - High-Side

Motor B Phase U Over Voltage Fault VL - High-Side

Motor B Phase U Under Voltage Fault VL - High-Side

Motor B Phase U Over Voltage Fault VDD - High-Side

Motor B Phase U Under Voltage Fault VDD - High-Side

Motor B Phase U Comm Error Low Voltage Regulator Fault - High-Side

Motor B Phase U Over Voltage Fault VH - Low-Side

Motor B Phase U Under Voltage Fault VH - Low-Side

Motor B Phase U Over Voltage Fault VL - Low-Side

Motor B Phase U Under Voltage Fault VL - Low-Side

Motor B Phase U Over Voltage Fault VDD - Low-Side

Motor B Phase U Under Voltage Fault VDD - Low-Side

Motor B Phase V Over Voltage Fault VH - High-Side

Motor B Phase V Under Voltage Fault VH - High-Side

Motor B Phase V Over Voltage Fault VL - High-Side

Motor B Phase V Under Voltage Fault VL - High-Side

Motor B Phase V Over Voltage Fault VDD - High-Side

Motor B Phase V Under Voltage Fault VDD - High-Side

Motor B Phase V Over Voltage Fault VH - Low-Side

Motor B Phase V Under Voltage Fault VH - Low-Side

Motor B Phase V Over Voltage Fault VL - Low-Side

Motor B Phase V Under Voltage Fault VL - Low-Side

Motor B Phase V Over Voltage Fault VDD - Low-Side

Motor B Phase V Under Voltage Fault VDD - Low-Side

Motor B Phase W Over Voltage Fault VH - High-Side

Motor B Phase W Under Voltage Fault VH - High-Side

Motor B Phase W Over Voltage Fault VL - High-Side

Motor B Phase W Under Voltage Fault VL - High-Side

Motor B Phase W Over Voltage Fault VDD - High-Side

Motor B Phase W Under Voltage Fault VDD - High-Side

Motor B Phase W Thermal Shutdown Fault - High-Side

Motor B Phase W Over Voltage Fault VH - Low-Side

Motor B Phase W Under Voltage Fault VH - Low-Side

Motor B Phase W Over Voltage Fault VL - Low-Side

Motor B Phase W Under Voltage Fault VL - Low-Side

Motor B Phase W Over Voltage Fault VDD - Low-Side

Motor B Phase W Under Voltage Fault VDD - Low-Side

GPS Date - Year

Year

GPS Date - Month

GPS Date - Day

Days

UTC Time - Hours

Hours

UTC Time - Minutes

UTC Time - Seconds

seconds

ECU Time - Milliseconds

ms

MSMP | B222D-00 | Stored | ECU Unable To Configure/Configuration Not Learned-

NAME	VALUE	UNITS
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number - All	01	
Occurrence flag	Occurrence	
Original Odometer Value	39300	miles
Most Recent Odometer Value	39300	miles
Frequency Counter	2	
Ignition Cycle Counter	3	

TBM2 | B210D-16 | Stored | Battery Voltage Low-Circuit Voltage Below Threshold

NAME	VALUE	UNITS
DTC	A1 0D 16	
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
DTC Extended Data Record Number - All	01	
Frequency Counter	1	

SNAPSHOT DATA SUMMARY

No Snapshot Data available for B1975-00

No Snapshot Data available for B10EB-00

No Snapshot Data available for B222D-00

No Snapshot Data available for U3017-00

No Snapshot Data available for P1AE2-00

No Snapshot Data available for P0AA4-00

No Snapshot Data available for P1A21-00

No Snapshot Data available for P0C77-00

No Snapshot Data available for P0AA6-00

No Snapshot Data available for P084F-00

No Snapshot Data available for P0E15-00

No Snapshot Data available for P1AEC-00

No Snapshot Data available for P1AED-00

No Snapshot Data available for B222D-00

No Snapshot Data available for B210D-16







CONFIGURATION REPORT

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

Odometer 38355.4 miles
Publication Date Apr 15, 2022, 9:15:53 AM

ECU SUMMARY INFO

ECU	NAME	BUS TYPE	FLASH PART #	CURRENT VIN	ORIGINAL VIN	PART #
PCM	Powertrain Control Module	CAN-C	68499122AF	[REDACTED]	[REDACTED]	68499122AF
PLGM	Power Liftgate	CAN-I	68466171AI	[REDACTED]	—	68466171AI
ICS	Integrated Center Stack	CAN-I	7AS341X8AA	[REDACTED]	[REDACTED]	7AS341X8AA
RFH	Radio Frequency Hub	CAN-C	68500152AA	[REDACTED]	[REDACTED]	68500152AA
ESM	Electronic Shifter	CAN-C	68240089AM	[REDACTED]	[REDACTED]	68240089AM
ORC	Occupant Restraint	CAN-C	68480710AC	[REDACTED]	[REDACTED]	68480710AC
EPS	Electric Power Steering	CAN-C	68460392AA	[REDACTED]	[REDACTED]	68460392AA
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
CSWM	Comfort Seat Wheel Module	CAN-I	68517011AB	[REDACTED]	[REDACTED]	68517011AB
AMP	Amplifier	CAN-I	68476878AA	[REDACTED]	[REDACTED]	68476878AA
IPC	Instrument Panel Cluster	CAN-C	68434960AE	[REDACTED]	[REDACTED]	68434960AE
PTS	Parktronics	CAN-C	68485862AA	[REDACTED]	[REDACTED]	68485862AA
SCCM	Steering Column Control Module	CAN-C	68360889AD	[REDACTED]	[REDACTED]	68360889AD
BCM	Body Controller	CAN-C	68491085AG	[REDACTED]	[REDACTED]	68491085AG

ACC	Adaptive Cruise Control	CAN-C	68540436AA			68540436AA
RADIO	Radio	CAN-I	68465292AC			68465292AC
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	04672786AB			04672786AB
RBSS	Right Blind Spot Sensor	CAN-I	04672786AB			04672786AB
FFCM	Forward Facing Camera Module	CAN-C	68493395AA			68493395AA
EDM	External Disc Module	CAN-I	68378304AB			68378304AB
APM	Accessory Power Module	CAN-C	05185046AB			05185046AB
BPCM	Battery Pack Control Module	CAN-C	05193183AE			05193183AE
HCP	Hybrid Control Processor	CAN-C	05185116AJ			05185116AJ
OBCM	On Board Charging Module	CAN-C	05185047AE			05185047AE
MSMP	Memory Seat Module - Passenger	CAN-I	68321862AC			68321862AC
DSM	Display Screen Module	CAN-I	68438382AD			68438382AD
VRM	Video Routing Module	CAN-I	68493702AA			68493702AA
RCCC	Rear Cabin Comfort Controls	CAN-I	6WL30DX9AA			6WL30DX9AA
CVPM	Central vision processing module	CAN-I	56029920AB			56029920AB
EAC	Electric A/C Compressor	CAN-C	68237995AG			68237995AG
AHCP	Auxiliary Hybrid Control Processor	CAN-C	05185117AJ			05185117AJ
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
TBM2	Telematic Box Module 2	CAN-C	68546266AB			68546266AB

ECU SUMMARY INFO (CONT...)

ECU	COUNTRY CODE	HARDWARE VERSION	SOFTWARE VERSION	IDENT	CVNS
PCM	USA	1B 47	75 02 00	4422	7DC2E312
PLGM	USA	0	5084	000200000031	
ICS	USA	0F 0C 00	13 31 01	4700	
RFH	USA / USA	10 17 00	13 26 00	4A00	

ESM	USA / USA	0F 24 00	12 28 FF	4402	
ORC	USA / USA	12 1A 00	13 2E 00	4301	
EPS	USA / USA	12 2A 00	12 1E 01	4502	
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	
CSWM	USA	11 2A 00	14 25 00	4302	
AMP	USA	18 2E 01	13 15 00	4030	
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 12 01	14 26 01	4400	
RADIO		65	5175	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	12 0D 00	4202	
RBSS	USA / USA	11 30 02	12 0D 00	4202	
FFCM	USA / USA	11 06 00	13 1E 00	4102	
EDM	USA	12 0A 00	11 08 00	4000	
APM	USA / USA	11 32 00	11 32 00	4001	
BPCM		0E 03 00	14 2C 00	4005	79855957
HCP	USA	11 1F 04	0F 2D 00	4006	5D31A9B9 16AACD23 050DC953
OBCM	USA	0F 0D 00	12 02 00	4002	
MSMP	USA	0F 2B 00	10 27 03	4001	
DSM	USA / USA	14 0C 00	14 28 00	4300	
VRM	USA / USA	0F 1C 00	14 1E 14	4001	
RCCC	USA	0F 1D 00	13 04 00	4000	
CVPM	USA / USA	11 27 01	14 0C 01	4004	
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	
TBM2	USA	13 0E 02	14 2A 5C	4104	

CONFIGURATION

PCM CONFIGURATION

NAME	VALUE	UNITS
Secondary Mass Airflow Sensor Equipped	False	
Active Exhaust Pressure Sensor Equipped	False	
Active Exhaust Valve(s) Equipped	False	
Electronic Parking Brake Equipped	True	
Heater Temp Control Valve Equipped	False	
Wastegate HBridge Equipped	False	
Aux Coolant Pump Heater Equipped	False	
Mechanical Coolant Pump Equipped	False	
High Side Port Tumble Valve Equipped	False	
Direct Injection Equipped	False	
Brake Pedal Sensor Equipped	False	
Active Engine Mount Equipped	False	
SRV Equipped	False	
Clutch Interlock Switch Equipped	False	
Mechanical Coolant Pump Heater Equipped	False	
2.0 Liter I4 engine	False	
Transmission Software Included	False	
Sensorless FFV Enabled	False	
TIP Equipped	False	
5.7 Liter V8 Engine	False	
62TE	False	
Adaptive Cruise Control Hardware Equipped	False	
MDS Equipped	False	
Electric Thermostat Heater Equipped	False	
Rear Heater Equipped	False	
Unleaded Gasoline Fuel	True	
Knock Sensor 2 Equipped	True	
ETC Cruise equipped	False	
3.8 Liter V6 Engine	False	
ZF 9-Speed Transmission Equipped	False	
AC Equipped Over Bus	False	
VLP Is Learnable Indicator	False	
Power Steering Switch Equipped	False	
Primary Lin Alternator Equipped	False	
Tumble Generator Valve Equipped	False	
Fiat 940 Compact Equipped	False	
CUSW PROXI Write Programming Support Enabled	False	
Engine Software In Package	True	
Dual Fuel Pressure Sensor Equipped	False	
Wide Range O2 Sensor 1/1 Equipped	False	
66RFE / 68RFE	False	
A/C Equipped	False	
4 Speed Automatic Transmission Equipped	False	

Electronic Throttle Control Equipped	True	
O2 Sensor Bank 2 Sensor 2 Equipped	True	
Secondary Air Equipped	False	
High Side Port Tumble Valve Equipped	Undefined	
Shift Indicator Lamp Equipped	False	
3.3 Liter V6 Engine	False	
4.0 Liter I6 Engine	False	
Turbocharger Equipped	False	
45RFE / 545RFE / 65RFE	False	
3 Speed Fan Mechanical Relay System Equipped	False	
GPEC3 Equipped	False	
O2 Sensor Bank 2 Sensor 1 Equipped	True	
Constant Heater Temperature Control Valve Equipped	False	
Air Shutoff Valve Bank 1 Control Solenoid 2 Equipped	False	
Secondary Fuel Pump Equipped	False	
Aisin 6-Speed RWD Transmission Equipped	False	
Fixed displacement AC Equipped	True	
Air Shutoff Valve Bank 2 Control Solenoid 2 Equipped	False	
PTO System Equipped	False	
VMM Equipped	False	
O2 Sensor Bank 1 Sensor 2 Equipped	True	
Viscosity Sensor Equipped	False	
Transmission Oil Heater Equipped	False	
Electronic Vacuum Pump Equipped	False	
MultiAir Equipped	False	
6.2 Liter V8 Engine	False	
Auxiliary Coolant Pump Equipped	False	
Police Package Equipped	False	
Linear Purge Equipped	False	
DUAL_ALTERNATOR_GEN1_LEARNEDCOPY	False	
2.7 Liter V6 Engine	False	
Oil Pressure Sensor Enabled	True	
Exhaust Cam 1 Equipped	True	
MTV Solenoid Equipped	False	
GPEC4 Equipped	False	
Active Exhaust Valve Equipped	False	
WI4 Variable Valve Timing Equipped	True	
Exhaust Cam 2 Equipped	True	
Supercharger Equipped	False	
Adaptive Cruise Control Equipped	True	
Continuous Variable Transmission Equipped	False	
Powernet Equipped	True	
Low Temperature Radiator Coolant Pump Equipped	False	
TOOLCONFIG_OIL_PRESS_ABS_EQUIPPED	True	

3.7 Liter V6 Engine	False	
Port Flap Valve Equipped	False	
O2 Sensor Bank 1 Sensor 1 Equipped	True	
WI4 Intake Flow Control Valve Equipped	False	
GPEC2A Equipped	True	
Trans Skip Shift Equipped	False	
42RLE	False	
4 Button Integrated Cruise Control	False	
Yaw Rate Sensor ESC Equipped	False	
Vehicle Speed Sensor #1 Calculated by ECU	False	
GPEC2 Equipped	False	
Buffered Crank Output for ANC (Active Noise Cancellation) Equipped	True	
Engine Idle Shutoff Equipped	False	
Brushless PWM Fan Equipped	NOT_FAN_PWM_BOSCH_BRUSHLESS_CNFG	
3.0 Liter V6 Engine	False	
Operator Idle Speed Request Equipped	False	
Auxiliary Heater Electric Water Pump Equipped	False	
3.2 Liter V6 Engine	False	
Electronic Coolant Pump Equipped	False	
HPT 6-Speed Transmission Equipped	False	
Dual Fuel Tank Equipped	False	
Wide Range O2 Sensor 2/1 Equipped	False	
Engine Oil Heater Cooler Equipped	True	
Active Grille Shutter Equipped	True	
Coolant On-Off Valve Equipped	False	
Cummins Equipped	False	
Electronic Automatic Transmission (EATX) Equipped	False	
Fan Wake Up Relay System Equipped	False	
Linear EGR Equipped	False	
Barometric Sensor Equipped	False	
40TE / 41TE / 41TEA	False	
CMCV H-Bridge Equipped	Undefined	
Intake Cam 2 Equipped	True	
O2 Sensor Bank 1 Sensor 3 Equipped	False	
AC Equipped	False	
1 Speed Fan Mechanical Relay System Equipped	False	
Battery Temp Sensor Equipped	False	
Dual Stage Oil Pump Equipped	True	
Dual Speed Fuel Pump Equipped	False	
Next Gen Bus Equipped	False	
EMAT (Getrag DCT transmission) Equipped	False	
Air Shutoff Valve Bank 1 Control Solenoid 1 Equipped	False	
Active Exhaust Pressure Sensor Equipped	False	
Buffered Crank Output for PHEV Engine Pulse Calculation Equipped	True	

Throttle Inlet Temp Sensor Equipped	False	
Starter Relay 2 Equipped	False	
Electric Coolant Valve Equipped	False	
Cooled EGR Equipped	False	
Duty Cycle Purge Valve Equipped	True	
Turbine Volute Valve Actuator Equipped	Undefined	
Vehicle Speed Sensor #1 Calculated from CAN	False	
Linear PWM Fan Relay System Equipped	False	
Knock Sensor 1 Equipped	True	
Humidity, Temperature and Pressure Sensor (LIN) Equipped	False	
VLP Equipped Indicator	False	
VFS Actuators Available Indicator	False	
Engine Stop Start Equipped	False	
1.0 Liter I3 Engine	False	
Variable Speed Fuel Pump Equipped	True	
Compressed Natural Gas Equipped	False	
ICC Cruise Equipped	False	
Coolant On-Off Pump Equipped	False	
3.6 Liter V6 Engine	True	
Unleaded diesel fuel	False	
2 Speed Fan 3 Driver 3 Relay System Equipped	False	
ESIM Equipped	False	
Variable Displacement AC Equipped	False	
4.7 Liter V8 Engine	False	
PWM Fan Motor System Equipped	True	
ERS Equipped Indicator	False	
Fiat VIN Learning Strategy Equipped	False	
Inrush Current Reduction Relay Equipped	False	
Intake Cam 1 Equipped	True	
2 Speed Fan Mechanical Relay System Equipped	False	
6.4 Liter V8 Engine	False	
6.1 Liter V8 Engine	False	
2.4 Liter WI4 engine	False	
Trans Reverse Lockout Equipped	False	
CUSW (11-Bit) Equipped	False	
Auxiliary Coolant Pump Heater Equipped	Undefined	
Electric Water Pump Equipped	False	
3.5 Liter V6 Engine	False	
Hybrid Electric Vehicle Equipped	True	
2 Speed Fan PWM Relay System Equipped	False	
Wastegate H-Bridge Equipped	Undefined	
1.8 Liter WI4 engine	False	
Operator Idle Speed Request Equipped	False	
Cylinder Pressure Sensor Equipped	False	

Throttle Inlet Temp Sensor Equipped	False	
Mass Airflow System Equipped	False	
Clutch Sensor Equipped	False	
Dual Fuel Pressure Sensor Equipped	False	
Make Up Air Sensor Equipped	False	
Bi-Directional Crank Sensor Equipped	True	
CUSW 4-Button Cruise Equipped	False	
SWAP HARDWIRED BRAKE SWITCH INPUTS	False	
5 Button Cruise (LIN) Equipped	True	
Power Steering Angle Sensor Mandatory	False	
LIN Humidity, Temp, and Pressure Sensor Equipped	False	
INTAKE O2 SENSOR EQUIPPED	False	
Brake Pedal Sensor Equipped	False	
Engine Oil Pressure Sensor Type	255	None
Remote Start Present	Present	
Coolant On-Off Pump Equipped	Not Equipped	
Primary Lin Alternator Equipped	Not Equipped	
Variable Valve Lift Equipped	Not Equipped	
2.0 Liter I4 Direct Injection Engine	False	
1.0 Liter I3 Engine	False	
Low Temp Radiator Coolant Pump Equipped	False	
Engine Idle Shutoff Equipped	False	
ZF 9-Speed Trans Equipped	False	
A/C Relay Powered from Engine Switched Battery	False	
PTO System Equipped	False	
HPT 6-Speed Trans Equipped	False	
Hybrid MEC Shifter Equipped	False	
CNG Large Gas Tank Equipped	False	
Dual Alternator Gen1 Capable	False	
Dual Fuel Tank Equipped	False	
Cooled EGR Equipped	False	
Auxillary Coolant Pump Equipped	False	
Supercharger Equipped	False	

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	Yes	
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 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	True	
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	

ORC CONFIGURATION

NAME	VALUE	UNITS
First Row Driver Seatbelt Buckle Switch	Configured	
Driver Seat Track Position Sensor	Configured	
Second Row Left Seat Side Airbag	Not Configured	
Rollover Sensing	Configured	
Passenger Seatbelt Retractor Pretensioner	Configured	
Passenger Seatbelt Anchor Pretensioner	Configured	
Driver Seatbelt Anchor Pretensioner	Configured	
Left Side Seat Squib 1	Configured	
Driver Frontal Squib 3	Configured	
Passenger Seatbelt Load Limiter	Configured	
Passenger Occupant Detection Sensor	Not Configured	
Passenger Seatbelt Buckle Pretensioner	Not Configured	
Second Row Left seat belt Switch	Not Configured	
Left B-Pillar Impact Acceleration Sensor	Configured	
Right Up-Front Acceleration Sensor	Configured	
Configuration Column Identifier	A3	

Passenger Airbag Disable Indicator	Not Configured	
Passenger Frontal Squib 1	Configured	
Driver Frontal Squib 1	Configured	
Passenger Frontal Squib 3	Configured	
Right Side Seat Squib 1	Configured	
Second Row Right seat belt Switch	Not Configured	
Left Up-Front Acceleration Sensor	Configured	
Right Curtain Squib 1	Configured	
Left C-Pillar Impact Acceleration Sensor	Configured	
Passenger Seat Track Position Sensor	Configured	
Driver Knee Bolster Squib	Configured	
Occupant Classification (OCM)	Configured	
Passenger Frontal Squib 2	Configured	
Driver Frontal Squib 4	Not Configured	
Second Row Center seat belt Switch	Not Configured	
Left Curtain Squib 1	Configured	
Right Side Door Pressure Sensor	Configured	
First Row Passenger Seatbelt Buckle Switch	Configured	
Right B-Pillar Impact Acceleration Sensor	Configured	
Left D-Pillar Impact Acceleration Sensor	Configured	
Right D-Pillar Impact Acceleration Sensor	Configured	
Right C-Pillar Impact Acceleration Sensor	Configured	
Driver Seatbelt Load Limiter	Configured	
Driver Seatbelt Retractor Pretensioner	Configured	
Second Row Right Seat Side Airbag	Not Configured	
Passenger Frontal Squib 4	Not Configured	
Passenger Airbag Disable Switch	Not Configured	
Passenger Knee Bolster Squib	Configured	
Driver Frontal Squib 2	Configured	
Left Side Door Pressure Sensor	Configured	
EPPM	Not Configured	
Driver Seatbelt Buckle Pretensioner	Not Configured	

EPS CONFIGURATION

NAME	VALUE	UNITS
Stop/Start Feature Active	False	
Parallel Park Assist Feature Active	True	
Dynamic Steering Torque Feature Active	True	
Lane Feedback Feature Active	True	

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	

CSWM CONFIGURATION

NAME	VALUE	UNITS
EC - Seat A	Programmed	
EC - Seat B	Programmed	
Vehicle Line W-Series	False	
Vehicle Line P-Series	False	
Vehicle Line L-Series	False	
Vehicle Line R-Series	True	
Heated Steering Wheel	True	
Vehicle Line M-Series	False	
Vehicle Line D-Series	False	
Vehicle Line U-Series	False	
Vehicle Line J-Series	False	

AMP CONFIGURATION

NAME	VALUE	UNITS
Premuim - 2	True	
Premuim - 3	False	
No HALF Chimes	False	

No Rear Doors	False	
Premuim - 1	False	
Non -ANC	False	
ANC Status	Off - Window Mute	
ANC Calibration Date - Year	16	
ANC Calibration Date - Week	24	
ANC Calibration Date - Patch Level	0	
Surround Sound Activated	Not Set	
Door Module - Left Front	Present	
Door Module - Right Rear	Present	
Door Module - Left Rear	Present	
Door Module - Right Front	Present	
Current ANC Calibration ID - Service	RU PHEV 3.6L: Steel Roof & Alpine AMP	

IPC CONFIGURATION

NAME	VALUE	UNITS
PHEV	True	
Rear Fog Lamp	False	

PTS CONFIGURATION

NAME	VALUE	UNITS
Front License Plate Configuration	Front Plate Config - USA	
Front System with 6 Rear Sensors	True	
Rear System with 6 Front Sensors	True	

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	
ECU Configuration 9 (ITM)	3	
ECU Configuration 2 (CBC Features)	3	
Vehicle Config CSM2	3	
ECU Configuration 8 (LIN and Miscellaneous)	3	
Vehicle Configuration 7 - Write Counter	3	
ECU Configuration 6 (Safety)	3	
ECU Configuration 6 (Powertrain)	3	

Vehicle Configuration 5 - Write Counter	3	
ECU Configuration 5 (Memory)	3	
Programmed Network Configuration - Audio / Telematics Network	0	
ECU Configuration 5 (Wireless)	3	
Vehicle Configuration 2 - Write Counter	3	
ECU Configuration 4	3	
ECU Configuration 7 (CBC Exterior Lighting Calibrations)	3	
ECU Configuration 12	3	
Vehicle Configuration 4 - Write Counter	3	
ECU Configuration 5 (Doors)	3	
ECU Configuration 15 (CBC Features)	3	
ECU Configuration 6 (Suspension)	3	
ECU Configuration 6 (Brake)	3	
ECU Configuration 1 (CBC Configurable Inputs and Outputs)	3	
Vehicle Config CSM1	3	
Vehicle Configuration 3 - Write Counter	3	
ECU Configuration 3	3	
ECU Configuration 14	3	
Vehicle Configuration 1 - Write Counter	3	
ECU Configuration 10	3	
ECU Configuration 11	3	
Vehicle Configuration 6 - Write Counter	3	
Programmed ECUs: Cabin Network	3	
Programmed ECUs: Hybrid LAN Network	0	
Programmed ECUs: P/T Chassis Network	3	
Last Configuration Odometer	0	miles
ECU Configuration 15 (Suspension)	3	
ECU Configuration 9A	3	
ECU Configuration 13	3	
Vehicle Configuration Auto Write Counter	1	
Emode Present	Not Set	
Remote Start Present	Set	
Select Speed Control Feature Present	Not Set	
Performance Pages Present	Not Present	
Model Year	2021	
PTS Configuration	Semi Automatic / Semi Automatic	
Special Packages	74	
Auto Highbeam	Set	
Hill Descent Feature Present	Not Set	
Drive Configuration	2WD Front	
Maximum Vehicle Speed	0	MPH
Vehicle Line	RU	
Body Style	Station Wagon	
Country Code	USA	

Left/Right Hand Drive	Left Hand Drive	
Shifter Type	5 Position Rotary Eshifter PRNDL / Type RSSL	
Power Inverter Type	No Power Inverter	
Max Load Inflation Pressure Front Tire	36.0	PSI
Rain Sensor Present	Set	
Off Road Capable	Not Set	
SKIM System Present	Not Set	
Air Conditioning Present	Not Set	
Thatcham Present	Not Set	
Cruise Feature is Present	Not Set	
Full Size Spare	Not Set	
Flipper Glass Present	Not Set	
Special Packages IC	Pacifica	
Max Load Inflation Pressure Rear Tire	36.0	PSI
Keyless Go Present	Set	
Power Left Sliding Door Present	Set	
Two Fuel Sending Units Present	Not Set	
ESCL system present	Not Set	
Vehicle Brand	Chrysler	
Disable Display of Radio Clock	Not Set	
HVAC Configuration	Dual Zone ATC + Rear	
Display Outside Temperature Present	Set	
Door Alert Feature Present	Not Set	
FOBIK Safe Enable	Set	
Power Right Sliding Door Present	Set	
Fuel Capacity	17	gallons
T-Case Type	Not Present / Not Present	
Vehicle is an SRT	Not Set	
Police Lighting Feature	Not Set	
Paddle Shift Feature Present	Not Set	
Liftgate/Trunk Type	Power Liftgate	
Forward Collision Warning present	Set	
Auto Park Present	Set	
RKE System Present	Set	
Secondary Lock Present	Not Set	
Passive Entry Present	Set	
ELV Present	Not Set	
Collision Mitigation System present	Set	
Chassis Type	Type 8	
Window Express Feature Configuration	All windows express feature	
Wheel Base	Wheel base not programmed / WB_NP	
Display Compass Heading Present	Set	
Sport Mode Present	Not Set	
Adjustable Pedal Feature Present (non-Memory)	Not Set	

Base TPM system present	Not Set	
High Intensity Discharge Head Lamps	Set	
Premium TPM system present	Set	
Auto Headlamp Feature Present	Set	
Transfer Case High Ratio	1.000	No Unit
Axle Ratio	3.251	
Dynamic Tire Circumference (All or Rear)	89	inch
Transfer Case Low Range Reduction Ratio	0.000	
Air Quality System Present	Not Set	
Analog Door Sensor Configuration	Driver Door Only Analog Sensor	
Steering Ratio at Negative Angle 1	0.0	No Unit
Connector A Pin 3/Connector D Pin 2: Low Beam Output Present	Set	
Connector G Pin 24 (Internally tied to Connector F Pin 7): Ambient Lighting Output	Not Set	
Connector D Pin 10: Trailer Tow Tail Lamp Output Present	Not Set	
Connector D Pin 9: Trailer Tow Backup Output Present	Not Set	
Connector D Pin 11: Stop/Turn Trailer Tow Left Output Present	Not Set	
Connector F Pin 4: Liftgate Release 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 D Pin 7: Stop/Turn Trailer Tow Right Output Present	Not Set	
Connector F Pin 8 : Liftgate Release Outside Handle Switch Present	Not Set	
Connector E Pin 48 (Tied internally to Connector A Pin16): Rear Wiper Motor Control Output Present	Set	
Connector F Pin 35: Inverter Enable Relay Output Present	Set	
Connector E Pin 3/Connector F Pin 42: Rear Turn Lamps Output Present	Not Set	
Connector D Pin 22/ Connector D Pin 23: Ambient Temperature Signal/Return Present	Set	
Connector E Pin 39/Connector F Pin 5: Rear Fog Lamps Output Present	Not Set	
Connector F Pin 29: Horn Switch Present	Set	
Connector E Pin 4/Connector F Pin 32: Rear Park Lamps Output Present	Set	
Connector F Pin 23: Door Lock Switch Signal Front Passenger Present	Set	
Connector G Pin 15: UGDO Feed Output Present	Set	
Connector E Pin 7: Left HID Relay Control Output Present	Not Set	
Connector D Pin 12: PHEV ECM Hardwire Wake Up Output Present	Set	
Connector E Pin 11: Vacuum Switch Input	Not Set	
Connector E Pin 34: Vacuum Cleaner Relay Output Present	Not Set	
Connector E Pin 42: Charge Port Lock Output Present	Set	
Connector A Pin 11: Hood Ajar Switch Input Present	Set	
Connector E Pin 29: Rear Wiper Motor Park Signal Present	Set	
Connector F Pin 6: Fuel Door Motor Output Signal Present	Set	
Connector F Pin 9: Analog Door Ajar Signal Front Driver Present	Set	
Connector E Pin 5: PHEV Fuel Door Switch Input	Set	
Connector E Pin 9: Run-ACC Y Relay #2 Output Present	Set	
Connector E Pin 8: PHEV HCP Hardwire Wakeup	Set	

Connector E Pin 41: Charge Port Unlock Output Present	Set	
Connector G Pin 9: Ambient Light Dimmer Wheel Input Present	Set	
Connectro E Pin 37: Right HID Control Output Present	Not Set	
LED Rear Fog Lamps Present	Not Set	
Tip Start Enabled	Set	
Fuel Door Present	Not Set	
Trailer Tow Present	Not Set	
LED Low Beam Lamps Present	Set	
Side Repeaters Enable	Not Set	
LED CHMSL Lamp Present	Set	
LED Front Park/Marker Lamps Present	Set	
Illuminated approach Enabled	Not Set	
DRL Configuration	No DRL	
Park Lamp Loadshed Enable	Set	
Front Wiper Park Enable	Set	
Front Fog Lamp Dropout Enable	Set	
One Touch Lane Change	Set	
LED Front Turn Lamps Present	Not Set	
Combined Rear Lighting Enable	Set	
Reversible Washer Pump Enable	Set	
LED Rear Turn Lamps Present	Not Set	
Exterior Light Loadshed Enable	Set	
LED Dedicated DRL Present	Not Set	
LED Stop Lamps Present	Not Set	
Headlamp Washer Low Fluid Shut-Off Enable	Set	
Tunnel Detection	Not Set	
Dual Start Relay System Present	Not Set	
DRL Dropout Enable	Not Set	
Quad Headlamps Enable	Set	
Front Wiper Wipes After Wash	2 Wipes	
Intermittent Wiper States	4 Intermittent Wiper position Switch	
Rear Wiper Park Enable	Set	
Hazard Lamp Configuration	Latching Switch	
LED Reverse Lamps Present	Not Set	
Headlamp Wash Shot	double	
LED High Beam Lamps Present	Set	
Bi Xenon Headlamps Enable	Not Set	
Headlamp Wash Interval	wash cycle#11	
LED Front Fog Lamps Present	Set	
Headlamp Wash Spray Duration (at 100 ms intervals)	1100ms	
Horn Chirp Allowed	Set	
Combined Front Park/Turn Feature Enable	Not Set	
Wiper Service Position Enabled	Not Set	
LED Tail Lamps Present	Set	

DRL Lamp Location	Low Beam DRL	
Fuel Door Release Enabled	Not Present	
LED License Lamps Present	Set	
Microphone Tuning Parameter	Absent [Not Used]	
Front Park Assist Present	Set	
Microphone Configuration	2 Microphones	
Surround Sound Feature Present	Set	
Disable CD Eject	Not Set	
Rear Camera Present	Not Set	
Heated Steering Wheel Present	Set	
Antenna Type	Active Primary and no secondary antenna	
External Port Type	AUX + USB + extra USB	
Destination	United States of America	
Power Inverter Present	Not Set	
Front Heated Seats Present	Set	
Cabin Equilization Curve Number	RU Premium System - Alpine 12ch	
Power Door Locks Present	Set	
Microphone Type	Peiker 300 mv	
Splashscreen Type	Vehicle Brand	
Fleet Vehicle Content	Not Set	
AP1 Left Front	Smart Switch	
AP3 Left Rear	CAN	
Airport Scenario Trunk	Not Set	
AP5 Trunk Lock	Simple Switch	
Vehicle Variant	Undefined	
Tip Start Present	Set	
AP2 Right Front	Smart Switch	
AP4 Right Rear	CAN	
AP5 Trunk Unlock	CAN	
Driver Memory Mirrors Present	Not Set	
Global Down	Not Set	
Rear Door Pre Short Drop	Not Set	
Electro-chromatic passenger mirror present	Not Set	
Window Hall Sensors Present	Not Set	
Electro-chromatic driver mirror present	Not Set	
Tow Mirror Present	Not Set	
Frameless Window Present	Not Set	
Passenger Window Lockout	Not Set	
Blindspot Mirror Present	Set	
Passenger Memory Mirror Present	Not Set	
Puddle Lamp Present	Not Set	
Folding mirrors present	Not Set	
Window Motor Type	Not Set	
Mirror turn signals present	Set	

Global Up	Not Set	
Heated Mirrors Present	Set	
Sun Shade	Not Set	
Tilt/Telescope Steering Present	Not Set	
Memory Adjustable Pedals Present	Not Set	
Stow 'n Assist Present - Passenger	Set	
Heated Steering Wheel Present	Present	
Heated Seat Material Type	Perforated Leather	
Heated Wheel Material Type	Full Leather	
Stow 'n Assist Present - Driver	Set	
Front Vented Seats Present	Not Present	
Driver Memory Seat Present	Set	
Rear Heated 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	
Connector F Pin 14: Right Sliding Door Switch Input (B-Pillar)	Right B-Pillar Sliding Door Switch	
Manual Door Locks Present	Not Set	
Connector E Pin 28: Secondary Door Ajar Switch Present - PIN E-28	Set	
Connector E Pin 48 (Tied internally to Connector A Pin16): Rear Wiper Motor Control Output Present	Rear Wiper (0)	
Connector F Pin 15: Driver Door Lock Switch Input	Not Present	
Connector F Pin 30: Fuel Door Lock (BUX)	Not Present	
Heatsoak Flush Time	105	Time
Humidy Sensor Long Present	Set	
Auto High Beam Module Location	HaLF	
Connector G Pin11/Connector G Pin 12: Not Used	ERS	
Connctor F Pin 33: Fuel Door Unlock (BUX)	Not Present	
Connector E Pin 39: Right Rear Turn Signal	Right Rear Turn Signal	
CHMSL Lamp Output Disable	Not Set	
Rain Sensor Module #2 Present	Set	
Ambient Stable Counter Limit	40	Counter
License Plate Lamp Disable	Not Set	
Connector F Pin 29: Horn Switch Present	Horn Switch Input	
Engine Off Clear Time	180	Time
Heatsoak Set Time	15	Time
Max Engine Off Time	220	Time
Connector E Pin 3: Left Rear Turn Signal	Left Rear Turn Signal	
Heatsoak Speed	15	Counter
Connector F Pin 13: Left Sliding Door Switch Input (B-Pillar)	Left B-Pillar sliding Door Switch	
Connector F Pin 34: Spare HSD	Not Present	
Connector F Pin 37: Vacuum Cleaner Power Saver Indicator	Not Present	
Acceleration Factor	Filter Off	
Excess Lateral Acceleration Factor	Filter Off	

Excess Longitudinal Acceleration Factor	Filter Off	
Nose Dive Threshold	Filter Off	
Steering Smoothing Factor	Filter Off	
Average Last Lateral Acceleration Values	No Averaging	
Average Last Longitudinal Acceleration Values	No Averaging	
Acceleration Threshold	Filter Off	
Nose Dive Factor	Filter Off	
Maximum Longitudinal Change	Filter Off	
Brake Smoothing Duration	Filter Off	
Maximum Lateral Change	Filter Off	
Steering Smoothing Threshold	Filter Off	
Brake Smoothing Threshold	Filter Off	
Brake Smoothing Factor	Filter Off	
Steering Smoothing Duration	Filter Off	
VTA Hood Ajar Monitoring	Not Set	
Headlamp Soak Delay	1.0 sec	
Horn Chirp Duration	Short	
Auto High Beam OFF Threshold	20 km/hr	
Interior Lighting Day Threshold	4.27498	Volt
Parking Light Enable	Not Set	
RKE Auto-Relock Feature Enable	Not Set	
Interior Lighting Night Threshold	4.45147	Volt
Auto High Beam ON Threshold	25 km/hr	
PE Auto-Relock Feature Enable	Set	
Sunroof Present	Not Set	
TPMS Configuration	Logic 1 NHTSA Enable Warning	
Smart Alternator Present	Not Set	
Temperature Display Resolution	HaLF	
ANC Calibration Parameter Data Set	RU_PHEV_3.6L_SteelRoof_Alpine_AMP	
Drive Mode Version	Version 1	
Auto Dimming Mirror Hard Button Present	Set	
Surround View Camera On/Off Softkey Present	Set	
Radio Speaker Open Circuit Disable (RF)	Not Set	
Radio Speaker Open Circuit Disable (RR)	Not Set	
Automatic Crash Notification Feature Present	Undefined	
Radio Speaker Open Circuit Disable (LR)	Not Set	
Radio Speaker Open Circuit Disable (LF)	Not Set	
Show Phone Information in Cluster	01	
Park Assist Tuning Set	BUX Front and Rear Only	
EAC	Set	
ECM	Set	
ESM	Set	
ORC	Set	
AHCP	Set	

ESC	Set	
HCP	Set	
APM	Set	
OBCM	Set	
BPCM	Set	
EBCM	Set	
Flash Lamps on Lock	Set	
Sound Horn On Lock Status	Chirp on 1st press/FIRST	
Sound Horn on Remote Start	Set	
Unlock all doors on 1st press	Set	
Auto Highbeam	Set	
Illuminated Approach Time	30	seconds
Headlamp Delay Time	30	seconds
Daytime Running Lamps	Set	
Sliding Door Alert	Not Set	
Auto Unlock	Set	
Auto Wipers	Set	
Hands Free Sliding Door Enable	Set	
Headlamps on with Wipers	Set	
Accessory Delay Time	45	seconds
Sliding Door Chime Enable	Set	
Sound Horn on Lock	Set	
Auto Lock	Set	
Left Low Beam Voltage Regulation	13.6 Volts	
Left High Beam Voltage Regulation	13.6 Volts	
Front Park/Turn Voltage	Park to Turn ratio 55 Percent	
Left Front Corner Voltage	13.2 Volts	
Left Rear Corner Voltage	14 Volts	
Auto Headlamp On Threshold	3.31409	Volt
Right High Beam Voltage Regulation	13.8 Volts	
Auto Headlamp Off Threshold	2.54930	Volt
Right Low Beam Voltage Regulation	14 Volts	
Right Rear Corner Voltage	14 Volts	
Right Front Corner Voltage	13.4 Volts	
IBS Activate MWU	Not Set	
IBS Minimal Charge Limit	10	AmpHrs
IBS Minimum Voltage Limit	5.0	Volts
Battery Types	SNA	
Battery Type II	22	
IBS Minimum Charge Limit	600	mA
IBS Quiescence Current Limit	-250	mA
Alert On System Fault	Set	
EVIC SWS Module Present	Set	
Compass Mounting Orientation	Rightside up	

CRVMM Present	Set	
Compass Mounting Angle	0	Degree
Humidity Sensor Present	Set	
Washer Fluid Level Voltage Threshold	4.46 volts	
VTA System Present	VTA	
Illuminated Approach Headlamp Target Percentage	125 (62.5%)	
Alert no Reply	Set	
Illuminated Approach Taillamp Target Percentage	125 (62.5%)	
Illuminated Approach Interior Lighting Ramp Up Time	130(2600ms)	
Panic Enable	Set	
Alert On Search Timeout	Set	
HFRM Present	Set	
Auto Relock Time	60	seconds
OHC Module Present	Set	
IBS Present	Set	
Illuminated Approach Interior Lighting Target Percentage	100(50%)	
Fobik Safe Alerts Per Ignition Cycle	2	
ESL	Not Set	
AHLM	Not Set	
ACC	Set	
TCM	Not Set	
OCM	Set	
IPC	Set	
RFH	Set	
EPS	Set	
PCM	Set	
ABSO	Set	
ABS	Not Set	
ORC	Set	
PTS	Set	
ESM	Set	
SCCM	Set	
BCM (PT)	Set	
FFCM	Set	
HCP	Set	
DTV	Not Set	
DMRL	Set	
EOMR	Set	
EAM	Set	
PLGM	Set	
PDM	Set	
ANC	Not Set	
VRM	Set	
CVPM	Set	

HSM	Set	
PSDMR	Set	
BCM (Interior Bus)	Set	
ITM	Not Set	
FSM	Not Set	
MSMP	Set	
HVACR	Set	
DSM	Set	
DMRR	Set	
VTM	Not Set	
Radio	Set	
MSM	Set	
EDM	Set	
DDM	Set	
ICS	Set	
AMP	Set	
PSDML	Set	
HVAC	Set	
Connector A Pin 11: Hood Ajar Switch Signal	500 ohm series and 500 ohm parallel resistors	
Connector D Pin 1: Left High Beam Feed	AUX High Beam	
Connector E Pin 3: Left Rear Turn Signal	Left Rear Turn Signal	
Connector F Pin 29: Horn Switch Input	Horn Switch Input	
Connector E Pin 37: Right HID Relay Control	Right HID Lamp Relay	
Stop/Start Enable Switch Present	Not Set	
Connector F Pin 31: Right Sliding Door Ajar	Right Sliding Door Ajar	
Connector F Pin 42: Right Rear Turn Signal	Right Rear Turn Signal	
Connector D Pin 12: PHEV ECM Hardwire Wake Up	Engine Control Module Wake up (PHEV only)	
Connector D Pin 21: Brake Fluid Level Switch	no parallel resistor	
Connector E Pin 5: E-5 PHEV Fuel Door Switch Input	PHEV Fuel Door Switch	
Connector E Pin 29: Rear Wiper Motor Park Signal	Reserved	
Connector E Pin 39: Right Rear Fog Lamp	Output Disable	
Connector F Pin 27: Left Sliding Door Ajar	Left Sliding Door Ajar	
Connector F Pin 28: Right Rear Turn Lamp Fault Sense	Disable	
Connector A Pin 2: Right High Beam Feed	AUX High Beam	
Connector E Pin 1: Backup-Reverse lamp Right	Set	
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 25: Left Rear Turn Lamp Fault Sense	Disable	
Connector F Pin 4: Liftgate Release	Trunk/Liftgate Release	
Connector F Pin 41: Backup-Reverse lamp Left	Not Set	
Ultrasonics	Not Set	
Siren	Not Set	
Tilt	Not Set	

ODS Present	False	
Passive Ped Pro Present	False	
Tow Hooks Present	False	
Curtain Airbags Present	True	
1st Row Seat Side Airbags Present	True	
Integrated EPP Present	False	
Passenger Kneebag Present	True	
Driver Kneebag Present	True	
BUX Market	False	
Rear View Camera Dynamic Grid Lines Enabled	Not Set	
Rear View Camera Static Grid Lines Enabled	Not Set	

RADIO CONFIGURATION

NAME	VALUE	UNITS
Suspend Month	00	
Suspend Year	00	
Suspend Day	00	
Satellite Subscription Status	Not Subscribed	
Reason Code	00	
Aux Jack	Not Inserted	
SD Card Readers Detected	0	No Unit
Enumerated USB Devices	0	No Unit
USB Hubs Detected	3	No Unit
Stereo Blend	Off	
Automated Loudness	Off	
Front Seat Video Playback	Disabled	
Cabin EQ Curve Number Currently Used by Radio	223	events
Distortion Limiting	Off	
Anti-Theft Enable Status	On	
High Cut	Off	
Clock Defeat	On	
12/24 Time Selection	12 Hour Time	
Splash Screen	Automatic	

HVACR CONFIGURATION

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

LBSS CONFIGURATION

NAME	VALUE	UNITS
Steering (LHD/RHD)	Left Hand Drive/ LHD	
CFG FEATURE	CFG_NONE	
Teen Key (RU variant only)	Yes	

RBSS CONFIGURATION

NAME	VALUE	UNITS
Teen Key (RU variant only)	Yes	
Steering Variant (LHD/RHD)	Left Hand Drive/ LHD	

FFCM CONFIGURATION

NAME	VALUE	UNITS
XCP Enabled	False	
Traceability info	22203420021602	
Traceability info	02203495288415	
HIL mode Enabled	False	

EDM CONFIGURATION

NAME	VALUE	UNITS
Video Ent. System Screen 2 Module	Not Present	
Video Ent. System Screen 1 Module	Not Present	
Radio	Present	
CAN I in-dash disc player module	Present	
Intrusion module	Not Present	
Vehicle System Interface Module	Not Present	
Body Style	Station Wagon	
Vehicle Line	RU	
Vehicle Brand Type	Chrysler	
VES	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
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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	



CUSTOM REPORT

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

Odometer 39356.5 miles
Publication Date Apr 26, 2022, 4:26:17 PM

ENVIRONMENTAL DATA SUMMARY

PLGM | B1975-00 | Stored | Power Liftgate Latch Cinch - Ratchet Secondary Switch Performance-

NAME	VALUE	UNITS
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HVAC | B10EB-00 | Stored | Blower Power Module-

NAME	VALUE	UNITS
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
Occurrence flag	Error	
Original Odometer Value	39350	miles
Most Recent Odometer Value	39350	miles
Frequency Counter	17	
Ignition Cycle Counter	3	

BPCM | P0AA4-00 | Active | Hybrid/EV Battery Negative Contactor "A" Stuck Closed-

NAME	VALUE	UNITS
DTC	0A A4 00	
Test Failed	True	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
Occurrence flag	Error	

Original Odometer Value	39350	miles
Most Recent Odometer Value	39350	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	40247696	seconds
Key in Ignition	Key_Def	
Key Position	Ign_Run	
EPT -WakeUp	Sourced	
HCP Contactor Command	Open	
Qualified Contactor Command - QCC	Open	
Verified Contactor Command - VCC	Open	
Contactor Status	PreCharging Failed	
Plug in Status	Not plugged in	
ChargingLevel	Plug in, but no charge	
Balance Mode	False	
Battery in Periodic wake up (Just battery) at time of Fault	False	
Battery in Periodic wake up (Wake up vehicle) at time of Fault	False	
Vehicle mileage at time of fault (ODO signal in \$3D2)	39356.33	miles
Battery Lifetime Miles	6A4418	miles
Vehicle Speed	0.0	MPH
System (12) Volts at time of fault	12.139	Volts
Battery Lifetime AmpHrs of Charge	17272.1	AHr
Battery Lifetime AmpHrs of DisCharge	17217.8	AHr
SOC at time of Fault	68.2	%
Power Up SOC at time of Fault	68.2	%
HVIL Status -Vehicle	Not Sourced	
HVIL Status - Battery pack	PASS	
HVIL PWM Duty Cycle - Vehicle	50.2	%
HVIL PWM Frequency - Vehicle	87.9	Hz
HVIL PWM peak voltage Sourced - Vehicle	10.687	Volts
HVIL PWM peak voltage Sensed - Vehicle	10.627	Volts
HVIL Source Voltage- Battery	1.377	Volts
HVIL Returned current - Battery	30.40	mA
HV Battery Current Sensor 1 Hall High	-0.85	Amps
HV Battery Current Sensor 2 Hall Low	0.00	Amps
HV Battery Current HVBatCrnt	0.00	Amps
HV Cooling Speed Pump 1 Target	0	rpm
HV Cooling Speed pump 1 Speed	0	rpm
Charge indicator Temp	88	°F
BPCM temperature max	88	°F
BPCM temperature min	84	°F

Pump - Wire Open\Short to Gnd	PASS	
Pump - Dry Run Detection	PASS	
Pump - Overcurrent	PASS	
Pump - Overtemperature	PASS	
Pump - Switch Power Shorted	PASS	
Isolation Circuitry Va	2.498	Volts
Isolation Circuitry Vb	2.501	Volts
Isolation Circuitry Vd	0.000	Volts
WC and Circuitry 2.5V Reference Voltage	2.498	Volts
WC and Circuitry Vcc Voltage	5.002	Volts
WC and CircuitryISO 8V Reference Voltage	7.963	Volts
WC and Circuitry Weld Contactor Sensor G (Pack Negative) Voltage	0.6	Volts
CVTN COMP ERR H	Normal	
CVTN COMP ERR L	Normal	
CVTN COMP FLT H	Normal	
CVTN COMP FLT L	Normal	
CVTN EDGE ERR H	Normal	
CVTN EDGE ERR L	Normal	
CVTN ABORT H	Normal	
CVTN ABORT L	Normal	
CVTN CRC FAULT H	Normal	
CVTN CRC FAULT L	Normal	
CVTN FRAM ERR	Normal	
CVTN STOP ERR	Normal	
CVTN STK FAULT ERR	Latched	
CVTN SYS RESET	Normal	
CVTN COMM TIMEOUT	Normal	
CVTN VDIG WAKE FAULT	Normal	
CVTN INT TEMP FAULT	Normal	
CVTN VDIG FAULT	Normal	
CVTN VM FAULT	Normal	
CVTN VP FAULT	Normal	
CVTN VP CLAMP	Normal	
CVTN FACT CKSUM ERR	Normal	
CVTN ANALOG FAULT ERR	Normal	
CVTN HREF FAULT	Normal	
CVTN HREF GND FAULT	Active	
CVTN ADC CAL ERR	Active	
CVTN CUST ECC COR	Normal	
CVTN CUST ECC ERR	SNA	
CVTN FACT ECC COR	SNA	
CVTN ACT ECC ERR	SNA	
Cycles left to self heal	40	No Unit
Fault trigger level 1	False	

Fault trigger level 2	False	
Fault trigger level 3	False	
Fault Path	01	
HV Battery Charge Power 2sec	100920	watts
HV Battery Charge Power 10sec	99162	watts
HV Battery Discharge Power 2sec	100953	watts
HV Battery Discharge Power 10sec	98814	watts
HV Battery Power	007530	watts
Key - DriveRdy (CAN)	True	
Battery Lifetime Number Of Closes	3836	
Battery Full AmpHr Capacity	47	AmpHrs
Cell Impedance Max Discharge	0	mOhms
Cell Impedance Mim Discharge	0	mOhms
Battery Cell Voltage Maximum	3850	mV
Battery Cell Voltage Minimum	3832	mV
Battery Cell Voltage Average	3842	mV
Battery Cell Highest Cell number	84	
Battery Cell Lowest Cell number	60	
HV Battery Voltage (cell sum)	368.80	Volts
HV Battery Voltage (Module Sum)	368.20	Volts
HV Sensor A Pack Voltage	368.60	Volts
HV Sensor B Bus\Link (Pre-Fuse) Voltage	1.30	Volts
HV Sensor C OBCM (HVOBC Fuse) Voltage	0.70	Volts
HV Sensor D Heater (HVHTR Fuse) Voltage	0.70	Volts
HV Sensor G Weld Contactor(Pack Negative) Voltage	0.6	Volts
Battery Temperature Maximum Module	88	°F
Battery Temperature Minimum Module	84	°F
Battery Temperature Average Module	86	°F
Battery Temperature Highest Sensor number	09	
Battery Temperature Lowest Sensor number	01	
Battery Temperature Number of Failing Sensors	00	
HV Cooling Pump Relay Drive	Not Sourced	
HV Cooling Battery coolant inlet temp	81	°F
HV Cooling Battery coolant outlet temp	81	°F
HV Cooling OBCM temp inlet Temp	82	°F
Pump - Battery Coolant Level Low	False	
Isolation Vehicle Diagnostic Status	Run and Failed	
Isolation Vehicle Impedance	0.0200	Mega Ohms
Isolation Battery Diagnostic Status	Run and Passed	
Isolation Battery Impedance	0.8480	Mega Ohms
CVTN CUST CKSUM ERR	Normal	

BPCM | P1A21-00 | Stored | HV Battery Contactor Control Sequence Incorrect-

NAME	VALUE	UNITS
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DTC	1A 21 00	
Test Failed	False	
Test Failed This Operation Cycle	False	
Pending DTC	False	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
Occurrence flag	Error	
Original Odometer Value	39350	miles
Most Recent Odometer Value	39350	miles
Frequency Counter	1	
Ignition Cycle Counter	1	
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	40247696	seconds
Key in Ignition	Key_Def	
Key Position	Ign_Run	
EPT -WakeUp	Sourced	
HCP Contactor Command	Closed	
Qualified Contactor Command - QCC	Closed	
Verified Contactor Command - VCC	Closed Restricted	
Contactor Status	PreCharging Failed	
Plug in Status	Not plugged in	
ChargingLevel	Plug in, but no charge	
Balance Mode	False	
Battery in Periodic wake up (Just battery) at time of Fault	False	
Battery in Periodic wake up (Wake up vehicle) at time of Fault	False	
Vehicle mileage at time of fault (ODO signal in \$3D2)	39356.33	miles
Battery Lifetime Miles	6A4418	miles
Vehicle Speed	0.0	MPH
System (12) Volts at time of fault	13.263	Volts
Battery Lifetime AmpHrs of Charge	17272.1	AHr
Battery Lifetime AmpHrs of DisCharge	17217.8	AHr
SOC at time of Fault	68.2	%
Power Up SOC at time of Fault	68.2	%
HVIL Status -Vehicle	PASS	
HVIL Status - Battery pack	PASS	
HVIL PWM Duty Cycle - Vehicle	50.2	%
HVIL PWM Frequency - Vehicle	87.9	Hz
HVIL PWM peak voltage Sourced - Vehicle	12.416	Volts
HVIL PWM peak voltage Sensed - Vehicle	12.318	Volts

HVIL Source Voltage- Battery	1.377	Volts
HVIL Returned current - Battery	30.20	mA
HV Battery Current Sensor 1 Hall High	1.05	Amps
HV Battery Current Sensor 2 Hall Low	2.15	Amps
HV Battery Current HVBatCmnt	7.20	Amps
HV Cooling Speed Pump 1 Target	0	rpm
HV Cooling Speed pump 1 Speed	0	rpm
Charge indicator Temp	88	°F
BPCM temperature max	88	°F
BPCM temperature min	84	°F
Pump - Wire Open\Short to Gnd	PASS	
Pump - Dry Run Detection	PASS	
Pump - Overcurrent	PASS	
Pump - Overtemperature	PASS	
Pump - Switch Power Shorted	PASS	
Isolation Circuitry Va	2.519	Volts
Isolation Circuitry Vb	2.501	Volts
Isolation Circuitry Vd	0.000	Volts
WC and Circuitry 2.5V Reference Voltage	2.498	Volts
WC and Circuitry Vcc Voltage	5.012	Volts
WC and CircuitryISO 8V Reference Voltage	7.963	Volts
WC and Circuitry Weld Contactor Sensor G (Pack Negative) Voltage	11.0	Volts
CVTN COMP ERR H	Normal	
CVTN COMP ERR L	Normal	
CVTN COMP FLT H	Normal	
CVTN COMP FLT L	Normal	
CVTN EDGE ERR H	Normal	
CVTN EDGE ERR L	Normal	
CVTN ABORT H	Normal	
CVTN ABORT L	Normal	
CVTN CRC FAULT H	Normal	
CVTN CRC FAULT L	Normal	
CVTN FRAM ERR	Normal	
CVTN STOP ERR	Normal	
CVTN STK FAULT ERR	Latched	
CVTN SYS RESET	Normal	
CVTN COMM TIMEOUT	Normal	
CVTN VDIG WAKE FAULT	Normal	
CVTN INT TEMP FAULT	Normal	
CVTN VDIG FAULT	Normal	
CVTN VM FAULT	Normal	
CVTN VP FAULT	Normal	
CVTN VP CLAMP	Normal	
CVTN FACT CKSUM ERR	Normal	

CVTN ANALOG FAULT ERR	Normal	
CVTN HREF FAULT	Normal	
CVTN HREF GND FAULT	Active	
CVTN ADC CAL ERR	Active	
CVTN CUST ECC COR	Normal	
CVTN CUST ECC ERR	SNA	
CVTN FACT ECC COR	SNA	
CVTN ACT ECC ERR	SNA	
Cycles left to self heal	40	No Unit
Fault trigger level 1	False	
Fault trigger level 2	False	
Fault trigger level 3	False	
Fault Path	01	
HV Battery Charge Power 2sec	100920	watts
HV Battery Charge Power 10sec	99162	watts
HV Battery Discharge Power 2sec	100956	watts
HV Battery Discharge Power 10sec	98814	watts
HV Battery Power	007639	watts
Key - DriveRdy (CAN)	True	
Battery Lifetime Number Of Closes	3836	
Battery Full AmpHr Capacity	47	AmpHrs
Cell Impedance Max Discharge	0	mOhms
Cell Impedance Mim Discharge	0	mOhms
Battery Cell Voltage Maximum	3845	mV
Battery Cell Voltage Minimum	3829	mV
Battery Cell Voltage Average	3837	mV
Battery Cell Highest Cell number	80	
Battery Cell Lowest Cell number	52	
HV Battery Voltage (cell sum)	368.30	Volts
HV Battery Voltage (Module Sum)	367.80	Volts
HV Sensor A Pack Voltage	368.20	Volts
HV Sensor B Bus\Link (Pre-Fuse) Voltage	197.60	Volts
HV Sensor C OBCM (HVOBC Fuse) Voltage	155.50	Volts
HV Sensor D Heater (HVHTR Fuse) Voltage	123.00	Volts
HV Sensor G Weld Contactor(Pack Negative) Voltage	11.0	Volts
Battery Temperature Maximum Module	88	°F
Battery Temperature Minimum Module	84	°F
Battery Temperature Average Module	86	°F
Battery Temperature Highest Sensor number	11	
Battery Temperature Lowest Sensor number	01	
Battery Temperature Number of Failing Sensors	00	
HV Cooling Pump Relay Drive	Not Sourced	
HV Cooling Battery coolant inlet temp	81	°F
HV Cooling Battery coolant outlet temp	81	°F

HV Cooling OBCM temp inlet Temp	82	°F
Pump - Battery Coolant Level Low	False	
Isolation Vehicle Diagnostic Status	Run and Failed	
Isolation Vehicle Impedance	0.0200	Mega Ohms
Isolation Battery Diagnostic Status	Run and Passed	
Isolation Battery Impedance	0.8480	Mega Ohms
CVTN CUST CKSUM ERR	Normal	

BPCM | P0C77-00 | Active | HV Battery System Precharge Time Too Short-

NAME	VALUE	UNITS
DTC	0C 77 00	
Test Failed	True	
Test Failed This Operation Cycle	False	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	True	
Warning Indicator Requested	False	
Occurrence flag	Error	
Original Odometer Value	39350	miles
Most Recent Odometer Value	39350	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	40241964	seconds
Key in Ignition	Key_Def	
Key Position	Ign_Off_Acc	
EPT -WakeUp	Sourced	
HCP Contactor Command	Closed	
Qualified Contactor Command - QCC	Closed	
Verified Contactor Command - VCC	Closed Restricted	
Contactor Status	Closed	
Plug in Status	Not plugged in	
ChargingLevel	Plug in, but no charge	
Balance Mode	False	
Battery in Periodic wake up (Just battery) at time of Fault	False	
Battery in Periodic wake up (Wake up vehicle) at time of Fault	False	
Vehicle mileage at time of fault (ODO signal in \$3D2)	39356.33	miles
Battery Lifetime Miles	6A4418	miles
Vehicle Speed	0.0	MPH
System (12) Volts at time of fault	12.005	Volts

Battery Lifetime AmpHrs of Charge	0.0	AHr
Battery Lifetime AmpHrs of DisCharge	0.0	AHr
SOC at time of Fault	0.0	%
Power Up SOC at time of Fault	0.0	%
HVIL Status -Vehicle	PASS	
HVIL Status - Battery pack	PASS	
HVIL PWM Duty Cycle - Vehicle	50.2	%
HVIL PWM Frequency - Vehicle	87.9	Hz
HVIL PWM peak voltage Sourced - Vehicle	10.514	Volts
HVIL PWM peak voltage Sensed - Vehicle	10.417	Volts
HVIL Source Voltage- Battery	1.377	Volts
HVIL Returned current - Battery	30.20	mA
HV Battery Current Sensor 1 Hall High	-2.10	Amps
HV Battery Current Sensor 2 Hall Low	0.00	Amps
HV Battery Current HVBatCmt	0.00	Amps
HV Cooling Speed Pump 1 Target	0	rpm
HV Cooling Speed pump 1 Speed	0	rpm
Charge indicator Temp	95	°F
BPCM temperature max	-40	°F
BPCM temperature min	-40	°F
Pump - Wire Open\Short to Gnd	PASS	
Pump - Dry Run Detection	PASS	
Pump - Overcurrent	PASS	
Pump - Overtemperature	PASS	
Pump - Switch Power Shorted	PASS	
Isolation Circuitry Va	2.498	Volts
Isolation Circuitry Vb	2.501	Volts
Isolation Circuitry Vd	0.000	Volts
WC and Circuitry 2.5V Reference Voltage	2.500	Volts
WC and Circuitry Vcc Voltage	5.000	Volts
WC and CircuitryISO 8V Reference Voltage	7.963	Volts
WC and Circuitry Weld Contactor Sensor G (Pack Negative) Voltage	0.2	Volts
CVTN COMP ERR H	Normal	
CVTN COMP ERR L	Normal	
CVTN COMP FLT H	Normal	
CVTN COMP FLT L	Normal	
CVTN EDGE ERR H	Normal	
CVTN EDGE ERR L	Normal	
CVTN ABORT H	Normal	
CVTN ABORT L	Normal	
CVTN CRC FAULT H	Normal	
CVTN CRC FAULT L	Normal	
CVTN FRAM ERR	Normal	
CVTN STOP ERR	Normal	

CVTN STK FAULT ERR	Normal	
CVTN SYS RESET	Normal	
CVTN COMM TIMEOUT	Normal	
CVTN VDIG WAKE FAULT	Normal	
CVTN INT TEMP FAULT	Normal	
CVTN VDIG FAULT	Normal	
CVTN VM FAULT	Normal	
CVTN VP FAULT	Normal	
CVTN VP CLAMP	Normal	
CVTN FACT CKSUM ERR	Normal	
CVTN ANALOG FAULT ERR	Normal	
CVTN HREF FAULT	Normal	
CVTN HREF GND FAULT	Normal	
CVTN ADC CAL ERR	Normal	
CVTN CUST ECC COR	Normal	
CVTN CUST ECC ERR	SNA	
CVTN FACT ECC COR	SNA	
CVTN ACT ECC ERR	SNA	
Cycles left to self heal	40	No Unit
Fault trigger level 1	False	
Fault trigger level 2	False	
Fault trigger level 3	False	
Fault Path	01	
HV Battery Charge Power 2sec	0	watts
HV Battery Charge Power 10sec	0	watts
HV Battery Discharge Power 2sec	0	watts
HV Battery Discharge Power 10sec	0	watts
HV Battery Power	007530	watts
Key - DriveRdy (CAN)	False	
Battery Lifetime Number Of Closes	3818	
Battery Full AmpHr Capacity	0	AmpHrs
Cell Impedance Max Discharge	0	mOhms
Cell Impedance Mim Discharge	0	mOhms
Battery Cell Voltage Maximum	0	mV
Battery Cell Voltage Minimum	34464	mV
Battery Cell Voltage Average	3814	mV
Battery Cell Highest Cell number	00	
Battery Cell Lowest Cell number	00	
HV Battery Voltage (cell sum)	0.00	Volts
HV Battery Voltage (Module Sum)	365.80	Volts
HV Sensor A Pack Voltage	366.20	Volts
HV Sensor B Bus\Link (Pre-Fuse) Voltage	366.10	Volts
HV Sensor C OBCM (HVOBC Fuse) Voltage	366.10	Volts
HV Sensor D Heater (HVHTR Fuse) Voltage	366.00	Volts

HV Sensor G Weld Contactor(Pack Negative) Voltage	0.2	Volts
Battery Temperature Maximum Module	-40	°F
Battery Temperature Minimum Module	-40	°F
Battery Temperature Average Module	-40	°F
Battery Temperature Highest Sensor number	01	
Battery Temperature Lowest Sensor number	01	
Battery Temperature Number of Failing Sensors	12	
HV Cooling Pump Relay Drive	Not Sourced	
HV Cooling Battery coolant inlet temp	95	°F
HV Cooling Battery coolant outlet temp	97	°F
HV Cooling OBCM temp inlet Temp	86	°F
Pump - Battery Coolant Level Low	False	
Isolation Vehicle Diagnostic Status	Run and Failed	
Isolation Vehicle Impedance	0.0200	Mega Ohms
Isolation Battery Diagnostic Status	Run and Passed	
Isolation Battery Impedance	0.8480	Mega Ohms
CVTN CUST CKSUM ERR	Normal	

BPCM | P0AA6-00 | Active | Hybrid Battery Voltage System Isolation Fault-

NAME	VALUE	UNITS
DTC	0A A6 00	
Test Failed	True	
Test Failed This Operation Cycle	False	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	True	
Warning Indicator Requested	True	
Occurrence flag	Error	
Original Odometer Value	38535	miles
Most Recent Odometer Value	39350	miles
Frequency Counter	25	
Ignition Cycle Counter	0	
FoM - for this DTC (lifetime fails)	4	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	39533520	seconds
Key in Ignition	Key_Def	
Key Position	Ign_Run	
EPT-WakeUp	Sourced	
HCP Contactor Command	Closed	
Qualified Contactor Command - QCC	Closed	
Verified Contactor Command - VCC	Closed Restricted	

Contactor Status	Closed	
Plug in Status	Not plugged in	
ChargingLevel	Plug in, but no charge	
Balance Mode	False	
Battery in Periodic wake up (Just battery) at time of Fault	False	
Battery in Periodic wake up (Wake up vehicle) at time of Fault	False	
Vehicle mileage at time of fault (ODO signal in \$3D2)	38541.25	miles
Battery Lifetime Miles	6A2F9B	miles
Vehicle Speed	62.0	MPH
System (12) Volts at time of fault	14.969	Volts
Battery Lifetime AmpHrs of Charge	16885.0	AHr
Battery Lifetime AmpHrs of DisCharge	16851.3	AHr
SOC at time of Fault	25.9	%
Power Up SOC at time of Fault	24.7	%
HVIL Status -Vehicle	PASS	
HVIL Status - Battery pack	PASS	
HVIL PWM Duty Cycle - Vehicle	50.2	%
HVIL PWM Frequency - Vehicle	87.9	Hz
HVIL PWM peak voltage Sourced - Vehicle	13.760	Volts
HVIL PWM peak voltage Sensed - Vehicle	13.637	Volts
HVIL Source Voltage- Battery	1.377	Volts
HVIL Returned current - Battery	30.20	mA
HV Battery Current Sensor 1 Hall High	125.35	Amps
HV Battery Current Sensor 2 Hall Low	30.00	Amps
HV Battery Current HVBatCmt	128.40	Amps
HV Cooling Speed Pump 1 Target	0	rpm
HV Cooling Speed pump 1 Speed	0	rpm
Charge indicator Temp	75	°F
BPCM temperature max	72	°F
BPCM temperature min	70	°F
Pump - Wire Open\Short to Gnd	PASS	
Pump - Dry Run Detection	PASS	
Pump - Overcurrent	PASS	
Pump - Overtemperature	PASS	
Pump - Switch Power Shorted	PASS	
Isolation Circuitry Va	2.506	Volts
Isolation Circuitry Vb	2.501	Volts
Isolation Circuitry Vd	0.000	Volts
WC and Circuitry 2.5V Reference Voltage	2.498	Volts
WC and Circuitry Vcc Voltage	5.019	Volts
WC and CircuitryISO 8V Reference Voltage	7.961	Volts
WC and Circuitry Weld Contactor Sensor G (Pack Negative) Voltage	0.2	Volts
CVTN COMP ERR H	Normal	
CVTN COMP ERR L	Normal	

CVTN COMP FLT H	Normal	
CVTN COMP FLT L	Normal	
CVTN EDGE ERR H	Normal	
CVTN EDGE ERR L	Normal	
CVTN ABORT H	Normal	
CVTN ABORT L	Normal	
CVTN CRC FAULT H	Normal	
CVTN CRC FAULT L	Normal	
CVTN FRAM ERR	Normal	
CVTN STOP ERR	Normal	
CVTN STK FAULT ERR	Active	
CVTN SYS RESET	Normal	
CVTN COMM TIMEOUT	Active	
CVTN VDIG WAKE FAULT	Normal	
CVTN INT TEMP FAULT	Normal	
CVTN VDIG FAULT	Normal	
CVTN VM FAULT	Normal	
CVTN VP FAULT	Normal	
CVTN VP CLAMP	Normal	
CVTN FACT CKSUM ERR	Normal	
CVTN ANALOG FAULT ERR	Normal	
CVTN HREF FAULT	Latched	
CVTN HREF GND FAULT	Normal	
CVTN ADC CAL ERR	Normal	
CVTN CUST ECC COR	Active	
CVTN CUST ECC ERR	SNA	
CVTN FACT ECC COR	SNA	
CVTN ACT ECC ERR	SNA	
Cycles left to self heal	40	No Unit
Fault trigger level 1	False	
Fault trigger level 2	False	
Fault trigger level 3	False	
Fault Path	01	
HV Battery Charge Power 2sec	91758	watts
HV Battery Charge Power 10sec	90120	watts
HV Battery Discharge Power 2sec	90849	watts
HV Battery Discharge Power 10sec	87618	watts
HV Battery Power	008588	watts
Key - DriveRdy (CAN)	True	
Battery Lifetime Number Of Closes	3744	
Battery Full AmpHr Capacity	47	AmpHrs
Cell Impedance Max Discharge	0	mOhms
Cell Impedance Mim Discharge	0	mOhms
Battery Cell Voltage Maximum	3406	mV

Battery Cell Voltage Minimum	3391	mV
Battery Cell Voltage Average	3398	mV
Battery Cell Highest Cell number	85	
Battery Cell Lowest Cell number	13	
HV Battery Voltage (cell sum)	326.20	Volts
HV Battery Voltage (Module Sum)	325.50	Volts
HV Sensor A Pack Voltage	325.70	Volts
HV Sensor B Bus\Link (Pre-Fuse) Voltage	325.70	Volts
HV Sensor C OBCM (HVOBC Fuse) Voltage	325.70	Volts
HV Sensor D Heater (HVHTR Fuse) Voltage	325.60	Volts
HV Sensor G Weld Contactor(Pack Negative) Voltage	0.2	Volts
Battery Temperature Maximum Module	72	°F
Battery Temperature Minimum Module	70	°F
Battery Temperature Average Module	72	°F
Battery Temperature Highest Sensor number	11	
Battery Temperature Lowest Sensor number	12	
Battery Temperature Number of Failing Sensors	00	
HV Cooling Pump Relay Drive	Not Sourced	
HV Cooling Battery coolant inlet temp	68	°F
HV Cooling Battery coolant outlet temp	64	°F
HV Cooling OBCM temp inlet Temp	59	°F
Pump - Battery Coolant Level Low	False	
Isolation Vehicle Diagnostic Status	Run and Failed	
Isolation Vehicle Impedance	0.2182	Mega Ohms
Isolation Battery Diagnostic Status	Run and Passed	
Isolation Battery Impedance	0.8480	Mega Ohms
CVTN CUST CKSUM ERR	Normal	

HCP | POE15-00 | Active | Hybrid/EV Battery Pack Coolant Heater "A" Control Performance-

NAME	VALUE	UNITS
DTC	0E 15 00	
Test Failed	True	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Confirmed DTC	True	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	True	
Occurrence flag	Occurrence	
Original Odometer Value	38355.4	miles
Most Recent Odometer Value	38355.4	miles
Frequency Counter	1	
Ignition Cycle Counter	0	

Real time clock	39448200	sec
RAM stamps keyOn	45	sec
RAM Stamps	199162	Min
Accelerator Pedal Position	0	%
Brake Switch Status	Applied	
PHEV Charging Status	No Charging	
Engine Speed	0	rpm
HV Battery SOC	76	%
Ignition State	Reserved	
PRND Position Display	R	
Propulsion System Active	True	
Vehicle Speed	1.9758	MPH
Barometric Pressure	14	PSI
Engine Coolant Temperature	70	°F
HV Coolant Heater - Below 60V	False	
HV Coolant Heater - Measured Coolant Inlet Temp	73	°F
HV Coolant Heater - Measured Coolant Outlet Temp	73	°F
HV Coolant Heater - Actual Current Consumption	0.00	AMP
HV Coolant Heater - Measured High Voltage	377	Volts
HV Coolant Heater - Actual Calculated Power Consumption	0	W
HV Coolant Heater - Desired Power Consumption	0	W
HV Coolant Heater - Response Error	No Error	
HV Coolant Heater - Communication Error (SPI Interface Issue)	False	
HV Coolant Heater - High Voltage Out of Range	False	
HV Coolant Heater - Low Voltage Out of Range	False	
HV Coolant Heater - Coolant Temp Out of Range	False	
HV Coolant Heater - HV Protection	False	
HV Coolant Heater - Overheat Protection	False	
HV Coolant Heater - Coolant Inlet Temp Sensor Defect	False	
HV Coolant Heater - Coolant Outet Temp Sensor Defect	False	
HV Coolant Heater - Heater Core Temp Sensor Defect	False	
HV Coolant Heater - Short or Open Circuit at IGBTs	False	
HV Coolant Heater - Current Consumption at High Voltage Out of Range	False	
HV Coolant Heater - Memory Error	False	
HV Coolant Heater - DC/DC Voltage Out of Range	False	
Battery Feed Voltage 2 Sense	14.760	Volts
Battery Feed Voltage 3 Sense	14.544	Volts
Internal EPS Voltage Sense A	8.136	Volts
Internal EPS Voltage Sense B	8.136	Volts
Motor A - Inverter Current - phase A	0	AMP
Hybrid System State	Propulsion System Active	
Battery Feed Voltage 1 Sense	14.760	Volts
Actual Torque - Motor A	0.000	Ft-Lbs
Actual Torque - Motor B	-11.154	Ft-Lbs

Available Motor Torque - Motor A	87.205	Ft-Lbs
Available Motor Torque - Motor B	235.988	Ft-Lbs
Available Regen Torque - Motor A	-87.205	Ft-Lbs
Available Regen Torque - Motor B	-235.988	Ft-Lbs
Commanded Torque - Motor A	0.000	Ft-Lbs
Commanded Torque - Motor B	-10.970	Ft-Lbs
Motor A - Inverter Current - phase B	0	AMP
Motor A - Inverter Current - phase C	-4	AMP
Motor B - Inverter Current - phase A	24	AMP
Motor B - Inverter Current - phase B	0	AMP
Motor B - Inverter Current - phase C	-28	AMP
Motor A Resolver Angle	318	Degree
Motor B Resolver Angle	130	Degree
Motor A Temp Sensor	86	°F
Motor B Temp Sensor	93	°F
Outside Air Temperature	64.4	°F
HCP ePT Wake-Up Output	On	
CBC Wake-Up Input	Off	
EPT LOC Diag Enable	Enable LOC Diagnostic	
HV Contactor Status	Closed	
HV Battery Voltage from BPCM	374.20	Volts
Electric Motor A Speed	280.0	rpm
Electric Motor B Speed	-216.0	rpm
PIM DC Link Voltage - A	376	Volts
PIM DC Link Voltage - B	372	Volts
Inverter A IGBT Temperature for phase A	82	°F
Inverter A IGBT Temperature for phase B	82	°F
Inverter A IGBT Temperature for phase C	82	°F
Inverter B IGBT Temperature for phase A	84	°F
Inverter B IGBT Temperature for phase B	82	°F
Inverter B IGBT Temperature for phase C	84	°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	-11.154	Ft-Lbs
OBCM Operating Mode	UTC	
J1772 Prox Detected State	Prox Out	
HV Battery Sleep Time	0	Days
GPS Date - Year	2022	Year
GPS Date - Month	4	
GPS Date - Day	15	Days
UTC Time - Hours	14	Hours

UTC Time - Minutes	26	
UTC Time - Seconds	0	seconds
ECU Time - Milliseconds	125	ms

HCP | P1AEC-00 | Active | MCPA HV Battery Voltage Sensor Circuit Performance-

NAME	VALUE	UNITS
DTC	1A EC 00	
Test Failed	True	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Confirmed DTC	False	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
Occurrence flag		
Original Odometer Value		miles
Most Recent Odometer Value		miles
Frequency Counter		
Ignition Cycle Counter		
Real time clock		sec
RAM stamps keyOn		sec
RAM Stamps		Min
Accelerator Pedal Position		%
Brake Switch Status		
PHEV Charging Status		
Engine Speed		rpm
HV Battery SOC		%
Ignition State		
PRND Position Display		
Propulsion System Active		
Vehicle Speed		MPH
Barometric Pressure		PSI
Engine Coolant Temperature		°F
Actual Torque - Motor A		Ft-Lbs
Available Motor Torque - Motor A		Ft-Lbs
Inverter A Input DC Current		AMP
Electric Motor A Speed		rpm
Motor A - Inverter Current - phase A		AMP
Motor A - Inverter Current - phase B		AMP
Motor A - Inverter Current - phase C		AMP
Motor A Phase U Short Fault - High-Side		
Motor A Phase U Cross Conduction Fault - High-Side		
Motor A Phase U Over Current Fault - High-Side		

Motor A Phase U Thermal Warning Fault - High-Side		
Motor A Phase U Thermal Shutdown Fault - High-Side		
Motor A Phase U Comm Error High Voltage Regulator Fault - High-Side		
Motor A Phase U Comm Error Low Voltage Regulator Fault - High-Side		
Motor A Phase U SPI Error Fault - High-Side		
Motor A Phase U Hardware Error Fault - High-Side		
Motor A Phase U Short Fault - Low-Side		
Motor A Phase U Cross Conduction Fault - Low-Side		
Motor A Phase U Over Current Fault - Low-Side		
Motor A Phase U Thermal Warning Fault - Low-Side		
Motor A Phase U Thermal Shutdown Fault - Low-Side		
Motor A Phase U SPI Error Fault - Low-Side		
Motor A Phase U Hardware Error Fault - Low-Side		
Motor A Phase V Short Fault - High-Side		
Motor A Phase V Cross Conduction Fault - High-Side		
Motor A Phase V Over Current Fault - High-Side		
Motor A Phase V Thermal Warning Fault - High-Side		
Motor A Phase V Thermal Shutdown Fault - High-Side		
Motor A Phase V Comm Error High Voltage Regulator Fault - High-Side		
Motor A Phase V Comm Error Low Voltage Regulator Fault - High-Side		
Motor A Phase V SPI Error Fault - High-Side		
Motor A Phase V Hardware Error Fault - High-Side		
Motor A Phase V Short Fault - Low-Side		
Motor A Phase V Cross Conduction Fault - Low-Side		
Motor A Phase V Over Current Fault - Low-Side		
Motor A Phase V Thermal Warning Fault - Low-Side		
Motor A Phase V Thermal Shutdown Fault - Low-Side		
Motor A Phase V SPI Error Fault - Low-Side		
Motor A Phase V Hardware Error Fault - Low-Side		
Motor A Phase W Short Fault - High-Side		
Motor A Phase W Over Current Fault - High-Side		
Motor A Phase W Thermal Warning Fault - High-Side		
Motor A Phase W Thermal Shutdown Fault - High-Side		
Motor A Phase W Comm Error Low Voltage Regulator Fault - High-Side		
Motor A Phase W SPI Error Fault - High-Side		
Motor A Phase W Hardware Error Fault - High-Side		
Motor A Phase W Short Fault - Low-Side		
Motor A Phase W Cross Conduction Fault - Low-Side		
Motor A Phase W Over Current Fault - Low-Side		
Motor A Phase W Thermal Warning Fault - Low-Side		
Motor A Phase W Thermal Shutdown Fault - Low-Side		
Motor A Phase W Comm Error Low Voltage Regulator Fault - Low-Side		
Motor A Phase W SPI Error Fault - Low-Side		
Motor A Phase W Hardware Error Fault - Low-Side		

Motor A Resolver Supply Voltage Value		Volts
Battery Feed Voltage 2 Sense		Volts
Battery Feed Voltage 3 Sense		Volts
Internal EPS Voltage Sense A		Volts
Internal EPS Voltage Sense B		Volts
Hybrid System State		
PIM DC Link Voltage - A		Volts
PIM DC Link Voltage - B		Volts
Passive Pump Coolant Temp In Sensor		°F
Low Temp Active Pump Speed		rpm
High Temp Aux Pump - Actual Speed		rpm
Outside Air Temperature		°F
HV Contactor Status		
Inverter B Status Feedback		
Battery Feed Voltage 1 Sense		Volts
Actual Torque - Motor B		Ft-Lbs
Available Motor Torque - Motor B		Ft-Lbs
Available Regen Torque - Motor A		Ft-Lbs
Available Regen Torque - Motor B		Ft-Lbs
Commanded Torque - Motor A		Ft-Lbs
Commanded Torque - Motor B		Ft-Lbs
Motor B - Inverter Current - phase A		AMP
Motor B - Inverter Current - phase B		AMP
Motor B - Inverter Current - phase C		AMP
Motor B Resolver Angle		Degree
Motor B Temp Sensor		°F
HCP ePT Wake-Up Output		
CBC Wake-Up Input		
EPT LOC Diag Enable		
HV Battery Voltage from BPCM		Volts
Electric Motor B Speed		rpm
Inverter A IGBT Temperature for phase A		°F
Inverter A IGBT Temperature for phase B		°F
Inverter A IGBT Temperature for phase C		°F
Inverter B IGBT Temperature for phase A		°F
Inverter B IGBT Temperature for phase B		°F
Inverter B IGBT Temperature for phase C		°F
APM Status		
Impact Event		
HCP System Shutdown Command		
Distance Travelled with Light ON		miles
Motor A Torque		Ft-Lbs
Motor B Torque		Ft-Lbs
OBCM Operating Mode		

J1772 Prox Detected State

HV Battery Sleep Time		Days
Commanded Inverter A State		
Inverter Status Feedback		
Motor A Phase U Over Voltage Fault VH - High-Side		
Motor A Phase U Under Voltage Fault VH - High-Side		
Motor A Phase U Over Voltage Fault VL - High-Side		
Motor A Phase U Under Voltage Fault VL - High-Side		
Motor A Phase U Over Voltage Fault VDD - High-Side		
Motor A Phase U Under Voltage Fault VDD - High-Side		
Motor A Phase U Over Voltage Fault VH - Low-Side		
Motor A Phase U Under Voltage Fault VH - Low-Side		
Motor A Phase U Over Voltage Fault VL - Low-Side		
Motor A Phase U Under Voltage Fault VL - Low-Side		
Motor A Phase U Over Voltage Fault VDD - Low-Side		
Motor A Phase U Under Voltage Fault VDD - Low-Side		
Motor A Phase U Comm Error High Voltage Regulator Fault - Low-Side		
Motor A Phase U Comm Error Low Voltage Regulator Fault - Low-Side		
Motor A Phase V Over Voltage Fault VH - High-Side		
Motor A Phase V Under Voltage Fault VH - High-Side		
Motor A Phase V Over Voltage Fault VL - High-Side		
Motor A Phase V Under Voltage Fault VL - High-Side		
Motor A Phase V Over Voltage Fault VDD - High-SideSide		
Motor A Phase V Under Voltage Fault VDD - High-Side		
Motor A Phase V Over Voltage Fault VH - Low-Side		
Motor A Phase V Under Voltage Fault VH - Low-Side		
Motor A Phase V Over Voltage Fault VL - Low-Side		
Motor A Phase V Under Voltage Fault VL - Low-Side		
Motor A Phase V Over Voltage Fault VDD - Low-Side		
Motor A Phase V Under Voltage Fault VDD - Low-Side		
Motor A Phase V Comm Error High Voltage Regulator Fault - Low-Side		
Motor A Phase V Comm Error Low Voltage Regulator Fault - Low-Side		
Motor A Phase W Cross Conduction Fault - High-Side		
Motor A Phase W Over Voltage Fault VH - High-Side		
Motor A Phase W Under Voltage Fault VH - High-Side		
Motor A Phase W Over Voltage Fault VL - High-Side		
Motor A Phase W Under Voltage Fault VL - High-Side		
Motor A Phase W Over Voltage Fault VDD - High-Side		
Motor A Phase W Under Voltage Fault VDD - High-Side		
Motor A Phase W Comm Error High Voltage Regulator Fault - High-Side		
Motor A Phase W Over Voltage Fault VH - Low-Side		
Motor A Phase W Under Voltage Fault VH - Low-Side		
Motor A Phase W Over Voltage Fault VL - Low-Side		
Motor A Phase W Under Voltage Fault VL - Low-Side		

Motor A Phase W Over Voltage Fault VDD - Low-Side

Motor A Phase W Under Voltage Fault VDD - Low-Side

Motor A Phase W Comm Error High Voltage Regulator Fault - Low-Side

Inverter A Status Feedback

GPS Date - Year

Year

GPS Date - Month

GPS Date - Day

Days

UTC Time - Hours

Hours

UTC Time - Minutes

UTC Time - Seconds

seconds

ECU Time - Milliseconds

ms

HCP | P1AED-00 | Active | MCPB High Voltage Battery Voltage Sensor Circuit Performance-

NAME	VALUE	UNITS
DTC	1A ED 00	
Test Failed	True	
Test Failed This Operation Cycle	True	
Pending DTC	True	
Confirmed DTC	False	
Test Not Completed Since Last Clear	False	
Test Failed Since Last Clear	True	
Test Not Completed This Operation Cycle	False	
Warning Indicator Requested	False	
Occurrence flag		
Original Odometer Value		miles
Most Recent Odometer Value		miles
Frequency Counter		
Ignition Cycle Counter		
Real time clock		sec
RAM stamps keyOn		sec
RAM Stamps		Min
Accelerator Pedal Position		%
Brake Switch Status		
PHEV Charging Status		
Engine Speed		rpm
HV Battery SOC		%
Ignition State		
PRND Position Display		
Propulsion System Active		
Vehicle Speed		MPH
Barometric Pressure		PSI
Engine Coolant Temperature		°F
Actual Torque - Motor B		Ft-Lbs
Available Motor Torque - Motor B		Ft-Lbs

Inverter B Input DC Current		AMP
Electric Motor B Speed		rpm
Commanded Inverter B State		
Motor B - Inverter Current - phase A		AMP
Motor B - Inverter Current - phase B		AMP
Motor B - Inverter Current - phase C		AMP
Inverter B Status Feedback		
Motor B Phase U Short Fault - High-Side		
Motor B Phase U Cross Conduction Fault - High-Side		
Motor B Phase U Thermal Warning Fault - High-Side		
Motor B Phase U Thermal Shutdown Fault - High-Side		
Motor B Phase U Comm Error High Voltage Regulator Fault - High-Side		
Motor B Phase U SPI Error Fault - High-Side		
Motor B Phase U Hardware Error Fault - High-Side		
Motor B Phase U Short Fault - Low-Side		
Motor B Phase U Cross Conduction Fault - Low-Side		
Motor B Phase U Over Current Fault - Low-Side		
Motor B Phase U Thermal Warning Fault - Low-Side		
Motor B Phase U Thermal Shutdown Fault - Low-Side		
Motor B Phase U Comm Error High Voltage Regulator Fault - Low-Side		
Motor B Phase U Comm Error Low Voltage Regulator Fault - Low-Side		
Motor B Phase U SPI Error Fault - Low-Side		
Motor B Phase U Hardware Error Fault - Low-Side		
Motor B Phase V Short Fault - High-Side		
Motor B Phase V Cross Conduction Fault - High-Side		
Motor B Phase V Over Current Fault - High-Side		
Motor B Phase V Thermal Warning Fault - High-Side		
Motor B Phase V Thermal Shutdown Fault - High-Side		
Motor B Phase V Comm Error High Voltage Regulator Fault - High-Side		
Motor B Phase V Comm Error Low Voltage Regulator Fault - High-Side		
Motor B Phase V SPI Error Fault - High-Side		
Motor B Phase V Hardware Error Fault - High-Side		
Motor B Phase V Short Fault - Low-Side		
Motor B Phase V Cross Conduction Fault - Low-Side		
Motor B Phase V Over Current Fault - Low-Side		
Motor B Phase V Thermal Warning Fault - Low-Side		
Motor B Phase V Thermal Shutdown Fault - Low-Side		
Motor B Phase V Comm Error High Voltage Regulator Fault - Low-Side		
Motor B Phase V Comm Error Low Voltage Regulator Fault - Low-Side		
Motor B Phase V SPI Error Fault - Low-Side		
Motor B Phase V Hardware Error Fault - Low-Side		
Motor B Phase W Short Fault - High-Side		
Motor B Phase W Cross Conduction Fault - High-Side		
Motor B Phase W Over Current Fault - High-Side		

Motor B Phase W Thermal Warning Fault - High-Side		
Motor B Phase W Comm Error High Voltage Regulator Fault - High-Side		
Motor B Phase W Comm Error Low Voltage Regulator Fault - High-Side		
Motor B Phase W SPI Error Fault - High-Side		
Motor B Phase W Hardware Error Fault - High-Side		
Motor B Phase W Short Fault - Low-Side		
Motor B Phase W Cross Conduction Fault - Low-Side		
Motor B Phase W Over Current Fault - Low-Side		
Motor B Phase W Thermal Warning Fault - Low-Side		
Motor B Phase W Thermal Shutdown Fault - Low-Side		
Motor B Phase W Comm Error High Voltage Regulator Fault - Low-Side		
Motor B Phase W Comm Error Low Voltage Regulator Fault - Low-Side		
Motor B Phase W SPI Error Fault - Low-Side		
Motor B Phase W Hardware Error Fault - Low-Side		
Motor B Resolver Supply Voltage Value		Volts
Battery Feed Voltage 2 Sense		Volts
Internal EPS Voltage Sense A		Volts
Internal EPS Voltage Sense B		Volts
Battery Feed Voltage 1 Sense		Volts
Battery Feed Voltage 3 Sense		Volts
Hybrid System State		
Actual Torque - Motor A		Ft-Lbs
Available Motor Torque - Motor A		Ft-Lbs
Available Regen Torque - Motor A		Ft-Lbs
Available Regen Torque - Motor B		Ft-Lbs
Commanded Torque - Motor A		Ft-Lbs
Commanded Torque - Motor B		Ft-Lbs
Motor A - Inverter Current - phase A		AMP
Motor A - Inverter Current - phase B		AMP
Motor A - Inverter Current - phase C		AMP
Motor A Resolver Angle		Degree
Motor A Temp Sensor		°F
Outside Air Temperature		°F
HCP ePT Wake-Up Output		
CBC Wake-Up Input		
EPT LOC Diag Enable		
HV Contactor Status		
HV Battery Voltage from BPCM		Volts
Electric Motor A Speed		rpm
PIM DC Link Voltage - A		Volts
PIM DC Link Voltage - B		Volts
Inverter A IGBT Temperature for phase A		°F
Inverter A IGBT Temperature for phase B		°F
Inverter A IGBT Temperature for phase C		°F

Inverter B IGBT Temperature for phase A		°F
Inverter B IGBT Temperature for phase B		°F
Inverter B IGBT Temperature for phase C		°F
APM Status		
Impact Event		
HCP System Shutdown Command		
Distance Travelled with Light ON		miles
Motor A Torque		Ft-Lbs
Motor B Torque		Ft-Lbs
OBCM Operating Mode		
J1772 Prox Detected State		
HV Battery Sleep Time		Days
Motor B Phase U Over Current Fault - High-Side		
Motor B Phase U Over Voltage Fault VH - High-Side		
Motor B Phase U Under Voltage Fault VH - High-Side		
Motor B Phase U Over Voltage Fault VL - High-Side		
Motor B Phase U Under Voltage Fault VL - High-Side		
Motor B Phase U Over Voltage Fault VDD - High-Side		
Motor B Phase U Under Voltage Fault VDD - High-Side		
Motor B Phase U Comm Error Low Voltage Regulator Fault - High-Side		
Motor B Phase U Over Voltage Fault VH - Low-Side		
Motor B Phase U Under Voltage Fault VH - Low-Side		
Motor B Phase U Over Voltage Fault VL - Low-Side		
Motor B Phase U Under Voltage Fault VL - Low-Side		
Motor B Phase U Over Voltage Fault VDD - Low-Side		
Motor B Phase U Under Voltage Fault VDD - Low-Side		
Motor B Phase V Over Voltage Fault VH - High-Side		
Motor B Phase V Under Voltage Fault VH - High-Side		
Motor B Phase V Over Voltage Fault VL - High-Side		
Motor B Phase V Under Voltage Fault VL - High-Side		
Motor B Phase V Over Voltage Fault VDD - High-Side		
Motor B Phase V Under Voltage Fault VDD - High-Side		
Motor B Phase V Over Voltage Fault VH - Low-Side		
Motor B Phase V Under Voltage Fault VH - Low-Side		
Motor B Phase V Over Voltage Fault VL - Low-Side		
Motor B Phase V Under Voltage Fault VL - Low-Side		
Motor B Phase V Over Voltage Fault VDD - Low-Side		
Motor B Phase V Under Voltage Fault VDD - Low-Side		
Motor B Phase W Over Voltage Fault VH - High-Side		
Motor B Phase W Under Voltage Fault VH - High-Side		
Motor B Phase W Over Voltage Fault VL - High-Side		
Motor B Phase W Under Voltage Fault VL - High-Side		
Motor B Phase W Over Voltage Fault VDD - High-Side		
Motor B Phase W Under Voltage Fault VDD - High-Side		

Motor B Phase W Thermal Shutdown Fault - High-Side		
Motor B Phase W Over Voltage Fault VH - Low-Side		
Motor B Phase W Under Voltage Fault VH - Low-Side		
Motor B Phase W Over Voltage Fault VL - Low-Side		
Motor B Phase W Under Voltage Fault VL - Low-Side		
Motor B Phase W Over Voltage Fault VDD - Low-Side		
Motor B Phase W Under Voltage Fault VDD - Low-Side		
GPS Date - Year		Year
GPS Date - Month		
GPS Date - Day		Days
UTC Time - Hours		Hours
UTC Time - Minutes		
UTC Time - Seconds		seconds
ECU Time - Milliseconds		ms