

CONFIGURATION REPORT

Vehicle [REDACTED] DI TURBO PHEV ENGINE [REDACTED] [REDACTED]

ECU SUMMARY INFO

ECU	NAME	BUS TYPE	FLASH PART #	CURRENT VIN	ORIGINAL VIN	PART #
TCM	Transmission Control Module	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
PCM	Powertrain Control Module	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
ICS	Integrated Center Stack	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
RFH	Radio Frequency Hub	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
ESM	Electronic Shifter	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
DTCM	Drive Train Control Module	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
ORC	Occupant Restraint	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
EPS	Electric Power Steering	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
HVAC	Heat, Ventilation and A/C	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
CSWM	Comfort Seat Wheel Module	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
AMP	Amplifier	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
IPC	Instrument Panel Cluster	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
SCCM	Steering Column Control Module	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
BCM	Body Controller	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
RADIO	Radio	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
OCM	Occupant Classification	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
BPCM	Battery Pack Control Module	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
HCP	Hybrid Control Processor	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
DSM	Display Screen Module	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

(B) (6)

IDCM			

CONFIGURATION

CONFIGURATION

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

PCM CONFIGURATION

NAME	VALUE	UNITS
AC Equipped		
AC Equipped Over Bus		
Power Steering Switch Equipped		
Integrated Cruise Control		
Vehicle Speed Sensor #1 Calculated from CAN		
Police Package Equipped		
Unleaded Gasoline Fuel		
Unleaded diesel fuel		
V8 Engine		
4 Speed Automatic Transmission Equipped		
Electronic Automatic Transmission (EATX) Equipped		
Vehicle Speed Sensor #1 Calculated by ECU		
V8 Engine		

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V8 Engine

V8 Engine

Sensorless FFV Enabled

Electronic Throttle Control Equipped

V6 Engine

Engine

Engine

Engine

Engine

Engine

V6 Engine

MTV Solenoid Equipped

MDS Equipped

Turbocharger Equipped

SRV Equipped

Secondary Air Equipped

Shift Indicator Lamp Equipped

Barometric Sensor Equipped

Battery Temp Sensor Equipped

Knock Sensor 1 Equipped

Knock Sensor 2 Equipped

WI4 Variable Valve Timing Equipped

Clutch Interlock Switch Equipped

ESIM Equipped

Linear Purge Equipped

Linear EGR Equipped

Continuous Variable Transmission Equipped

Direct Injection Equipped

Secondary Fuel Pump Equipped

Electronic Coolant Pump Equipped

O2 Sensor Bank 1 Sensor 1 Equipped

O2 Sensor Bank 1 Sensor 2 Equipped

O2 Sensor Bank 1 Sensor 3 Equipped

O2 Sensor Bank 2 Sensor 1 Equipped

O2 Sensor Bank 2 Sensor 2 Equipped

Fixed displacement AC Equipped

WI4 Intake Flow Control Valve Equipped

Electric Coolant Valve Equipped

Engine Oil Heater Cooler Equipped

Transmission Oil Heater Equipped

Electric Water Pump Equipped

Rear Heater Equipped

Starter Relay 2 Equipped

Inrush Current Reduction Relay Equipped

Active Grille Shutter Equipped

Electronic Vacuum Pump Equipped

Wide Range O2 Sensor Equipped

Wide Range Equipped

MultiAir Equipped

Engine Stop Start Equipped

Viscosity Sensor Equipped

Duty Cycle Purge Valve Equipped

Electric Thermostat Heater Equipped

Exhaust Cam 1 Equipped

Intake Cam 1 Equipped

WI4 engine

WI4 engine

WI4 engine

Engine

Tumble Generator Valve Equipped

Hybrid Electric Vehicle Equipped

Dual Speed Fuel Pump Equipped

Exhaust Cam 2 Equipped

Intake Cam 2 Equipped

1 Speed Fan Mechanical Relay System Equipped

2 Speed Fan Mechanical Relay System Equipped

2 Speed Fan PWM Relay System Equipped

Linear PWM Fan Relay System Equipped

PWM Fan Motor System Equipped

3 Speed Fan Mechanical Relay System Equipped

Fan Wake Up Relay System Equipped

2 Speed Fan 3 Driver 3 Relay System Equipped

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VLP Is Learnable Indicator

VLP Equipped Indicator

VFS Actuators Available Indicator

ERS Equipped Indicator

Engine Software In Package

Transmission Software Included

Cruise Equipped		
ETC Cruise equipped		
Adaptive Cruise Control Equipped		
A/C Equipped		
Adaptive Cruise Control Hardware Equipped		
DW ALTERNATOR_GEN1_LEARNEDCOPY		
TOOLCONFIG Oil Pressure ABS Equipped		
Equipped		
Equipped		
Equipped		
Cummins Equipped		
Equipped		
VMM Equipped		
Powernet Equipped		
() Equipped		
Equipped		
Gen Bus Equipped		
Constant Heater Temperature Control Valve Equipped		
High Side Port Tumble Valve Equipped		
CMC Equipped		
Turbine Volute Valve Actuator Equipped		
H- Equipped		
Active Exhaust Valve Equipped		
Active Exhaust Pressure Sensor Equipped		
Engine Idle Shutoff Equipped		
Aisin RWD Transmission Equipped		
Cooled EGR Equipped		
Supercharger Equipped		
Low Temperature Radiator Coolant Pump Equipped		
Mechanical Coolant Pump Heater Equipped		
Auxiliary Coolant Pump Heater Equipped		
Compressed Natural Gas Equipped		
PROXI Write Programming Support Enabled		
Active Engine Mount Equipped		
ZF 9- Transmission Equipped		
HPT Transmission Equipped		
Variable Fuel Pump Equipped		
Operator Idle Request Equipped		
PTO System Equipped		
Air Shutoff Valve Bank 1 Control Solenoid 1 Equipped		
Air Shutoff Valve Bank 1 Control Solenoid 2 Equipped		

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Air Shutoff Valve Bank 2 Solenoid 2 Equipped

Dual Stage Oil Pump Equipped

Auxiliary Coolant Pump Equipped

Trans Skip Shift Equipped

Trans Reverse Lockout Equipped

Port Flap Valve Equipped

Brushless PWM Fan Equipped

V8 Engine

Primary Lin Alternator Equipped

Coolant On-Off Pump Equipped

Oil Pressure Sensor Enabled

VIN Learning Strategy Equipped

Dual Fuel Tank Equipped

Yaw Rate Sensor ESC Equipped

I3 Engine

Coolant On-Off Valve Equipped

Buffered Crank Output for ANC (Active Noise Cancellation) Equipped

Buffered Crank Output for PHEV Engine Pulse Calculation Equipped

Throttle Inlet Temp Sensor Equipped

Humidity, Temperature and Pressure Sensor (LIN) Equipped

Dual Fuel Pressure Sensor Equipped

Brake Pedal Sensor Equipped

Dual Fuel Tank Equipped

PTO System Equipped

Low Temp Radiator Coolant Pump Equipped

Engine Idle Shutoff Equipped

A/C Relay Powered from Engine Switched Battery

CNG Large Gas Tank Equipped

Cooled EGR Equipped

Supercharger Equipped

Hybrid MEC Shifter Equipped

Dual Alternator Capable

Auxillary Coolant Pump Equipped

ZF 9- Trans Equipped

Trans Equipped

CUSW Cruise Equipped

Power Steering Angle Sensor Mandatory

Throttle Inlet Temp Sensor Equipped

LIN Humidity, Temp, and Pressure Sensor Equipped

Dual Fuel Pressure Sensor Equipped

Brake Pedal Sensor Equipped

Clutch Sensor Equipped

SWAP HARDWIRED BRAKE SWITCH INPUTS

Mass Airflow System Equipped		
Bi-Directional Crank Sensor Equipped		
Cruise (LIN) Equipped		
Operator Idle Speed Request Equipped		
INTAKE EQUIPPED		
Cylinder Pressure Sensor Equipped		
Make Up Air Sensor Equipped		
Active Exhaust Pressure Sensor Equipped		
Secondary Mass Airflow Sensor Equipped		
Engine		
Engine		
Variable Valve Lift Equipped		
Coolant On-Off Pump Equipped		
Primary Lin Alternator Equipped		
Electronic Parking Brake Equipped		
Active Exhaust Valve(s) Equipped		
Mechanical Coolant Pump Equipped		
Aux Coolant Pump Heater Equipped		
Heater Temp Control Valve Equipped		
High Side Port Tumble Valve Equipped		
HBridge Equipped		
Remote Start Present		
Engine Oil Pressure Sensor Type		None

ICS CONFIGURATION

NAME	VALUE	UNITS
Display Type (Base)		

RFH CONFIGURATION

NAME	VALUE	UNITS
PIN Successfully Programmed		
VIN Successfully Programmed		
Valid Key In Ignition		
Keyless Go		
Ignition system type connected		
e-shifter present		
Auto Park Present		
Secret Codes Programmed		
Passive Entry		

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RKE

Module Configuration Status

Remote Start Present

Programmed by

Hardware Configuration: Remote Start Antenna

Hardware Configuration: Front Left Door Handle H/W

Hardware Configuration: Front Right Door Handle H/W

Hardware Configuration: Rear Left Door Handle H/W

Hardware Configuration: Rear Right Door Handle H/W

Hardware Configuration: Trunk Door Handle H/W

RFHub Locked

Fob Location #1 Successfully Programmed

Fob Location #2 Successfully Programmed

Fob Location #3 Successfully Programmed

Fob Location #4 Successfully Programmed

Fob Location #5 Successfully Programmed

Fob Location #6 Successfully Programmed

Fob Location #7 Successfully Programmed

Fob Location #8 Successfully Programmed

Back Up Vehicle Config 1

Back Up Vehicle Config 2

Back Up Vehicle Config 3

Back Up Vehicle Config 4

Back Up Vehicle Config 5

Back Up Vehicle Config 6

Back Up Vehicle Config 7

Back Up ECU Configuration 1

Back Up ECU Configuration 2

Back Up ECU Configuration 3

Back Up ECU Configuration 4

Back Up ECU Configuration 5

Back Up ECU Configuration 6

Back Up ECU Configuration 7

Back Up ECU Configuration 8

Back Up ECU Configuration 9

Back Up ECU Configuration 10

Back Up ECU Configuration 11

Back Up ECU Configuration 12

Back Up ECU Configuration 13

Back Up ECU Configuration 14

Back Up ECU Configuration 15

Back Up ECU Configuration 16

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Back Up ECU Configuration 17
 Back Up Customer Settings Menu 1
 Back Up Customer Settings Menu 2
 Back Up Programmed ECUs: Cabin Network
 Back Up Programmed ECUs: P/T Chassis Network
 Secret Key Sent to Body Controller - Most recent attempt
 Secret Key Sent to Body Controller - Original attempt
 Base TPM Present
 Full Size Matching Spare Tire Present
 ECU Ship Status
 Tire Pressure System
 Selectable Tire Fill Alert
 TPM Auto-Locate Enabled
 TPMS Configuration

DTCM CONFIGURATION

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

ORC CONFIGURATION

NAME	VALUE	UNITS
Rollover Sensing		
EPPM		
Occupant Classification (OCM)		
Driver Seatbelt Buckle Switch		
Passenger Seatbelt Buckle Switch		
Left seat belt Switch		
Center seat belt Switch		
Low Right seat belt Switch		
Driver Seat Track Position Sensor		
Passenger Seat Track Position Sensor		
Passenger Occupant Detection Sensor		
Passenger Airbag Disable Switch		
Passenger Airbag Disable Indicator		

Driver Frontal Squib 1

Driver Frontal Squib 2

Driver Frontal Squib 3

Passenger Frontal Squib 1

Passenger Frontal Squib 2

Passenger Frontal Squib 3

Driver Knee Bolster Squib

Passenger Knee Bolster Squib

Driver Seatbelt Retractor Pretensioner

Passenger Seatbelt Retractor Pretensioner

Driver Seatbelt Load Limiter

Passenger Seatbelt Load Limiter

Driver Seatbelt Anchor Pretensioner

Passenger Seatbelt Anchor Pretensioner

Driver Seatbelt Buckle Pretensioner

Passenger Seatbelt Buckle Pretensioner

Left Curtain Squib 1

Right Curtain Squib 1

Left Side Seat Squib 1

Right Side Seat Squib 1

Left Seat Side Airbag

Second Row Right Seat Side Airbag

Driver Frontal Squib 4

Passenger Frontal Squib 4

Left Up-Front Acceleration Sensor

Right Up-Front Acceleration Sensor

Right B-Pillar Impact Acceleration Sensor

Left B-Pillar Impact Acceleration Sensor

Left C-Pillar Impact Acceleration Sensor

Right C-Pillar Impact Acceleration Sensor

Right D-Pillar Impact Acceleration Sensor

Left D-Pillar Impact Acceleration Sensor

Left Side Door Pressure Sensor

Right Side Door Pressure Sensor

Configuration Column Identifier

HVAC CONFIGURATION

NAME	VALUE	UNITS
ATC Control (Factory) (BB)		
ATC Control (BB)		
(BB)		
(BB)		

MTC With [REDACTED] ([REDACTED])	[REDACTED]
[REDACTED] [REDACTED] [REDACTED]	[REDACTED]
[REDACTED] [REDACTED]	[REDACTED]

AMP CONFIGURATION

NAME	VALUE	UNITS
[REDACTED] Calibration Date - [REDACTED]	[REDACTED]	
[REDACTED] C Calibration Date - [REDACTED]		
[REDACTED] C Calibration Date - Patch [REDACTED]		
Current [REDACTED] Calibration ID - Service	[REDACTED]	
[REDACTED] C Status	[REDACTED]	
[REDACTED]	[REDACTED]	
[REDACTED]	[REDACTED]	
[REDACTED]	[REDACTED]	
[REDACTED]	[REDACTED]	
[REDACTED]	[REDACTED]	
[REDACTED]	[REDACTED]	
[REDACTED]	[REDACTED]	
[REDACTED]	[REDACTED]	
[REDACTED]	[REDACTED]	
[REDACTED]	[REDACTED]	

[REDACTED] CONFIGURATION

NAME	VALUE	UNITS
Main Fuel Tank Gauge - Empty Stop Calibration	[REDACTED]	
Main Fuel Tank Gauge - [REDACTED] Datum Calibration	[REDACTED]	
Main Fuel Tank Gauge - [REDACTED] Datum Calibration	[REDACTED]	
Main Fuel Tank Gauge - [REDACTED] Datum Calibration	[REDACTED]	
Main Fuel Tank Gauge - Full Stop Calibration	[REDACTED]	
Sub Fuel Tank Gauge - Empty Stop Calibration	[REDACTED]	
Sub Fuel Tank Gauge - [REDACTED] Datum Calibration	[REDACTED]	
Sub Fuel Tank Gauge - [REDACTED] Datum Calibration	[REDACTED]	
Sub Fuel Tank Gauge - [REDACTED] Datum Calibration	[REDACTED]	
Sub Fuel Tank Gauge - Full Stop Calibration	[REDACTED]	

[REDACTED] CONFIGURATION

NAME	VALUE	UNITS
Rear Wiper	[REDACTED]	
[REDACTED]	[REDACTED]	
[REDACTED]	[REDACTED]	
[REDACTED] [REDACTED]	[REDACTED]	

[REDACTED] CONFIGURATION

NAME	VALUE	UNITS
RBSM		
LBSM		
BCM (Interior Bus)		
HSM		
HVAC		
PCM		
Radio		
ITM		
AMP		
EDM		
HVAC_R		
TBM		
AHLM/AFLS		
ASCM		
BCM (PT)		
DTCM		
PCM		
EPS		
ESM		
ABS		
RFH		
IPC		
ORC		
PTS		
SCCM		
ELSD		
TCM		
TPM		
AFLS		
ITBM		
OCM		
DPDM		
Number of Reprogramming Attempts - Counter		
Vehicle Configuration Programmed Status		
Last Programmed Status		
Last Configuration Odometer		
Vehicle Configuration Auto Write Counter		
Vehicle Configuration 1 - Write Counter		

Vehicle Configuration 2 - Write Counter

Vehicle Configuration 3 - Write Counter

Vehicle Configuration 4 - Write Counter

Vehicle Configuration 5 - Write Counter

Vehicle Configuration 6 - Write Counter

Programmed ECUs: Cabin Network

Programmed ECUs: P/T Chassis Network

Programmed Network Configuration - Audio / Telematics Network

Programmed ECUs: Hybrid LAN Network

ECU Configuration 1 (CBC Configurable Inputs and Outputs)

ECU Configuration 2 (CBC Features)

ECU Configuration 3

ECU Configuration 4

ECU Configuration 5 (Wireless)

ECU Configuration 5 (Doors)

ECU Configuration 5 (Memory)

ECU Configuration 6 (Brake)

ECU Configuration 6 (Suspension)

ECU Configuration 6 (Powertrain)

ECU Configuration 6 (Safety)

ECU Configuration 7 (CBC Exterior Lighting Calibrations)

ECU Configuration 8 (LIN and Miscellaneous)

ECU Configuration 9A

ECU Configuration 9 (ITM)

ECU Configuration 10

ECU Configuration 11

ECU Configuration 12

ECU Configuration 13

ECU Configuration 14

ECU Configuration 15 (CBC Features)

ECU Configuration 15 (Suspension)

Vehicle Configuration 7 - Write Counter

Vehicle Config CSM1

Vehicle Config

Model

Vehicle Line

Country Code

Left/Right Hand Drive

Remote Start Present

Drive Configuration

Emode Present

Auto Highbeam

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Body Style	[REDACTED]
Maximum Vehicle Speed	[REDACTED]
Shifter Type	[REDACTED]
Performance Pages Present	[REDACTED]
Special Packages	[REDACTED]
PTS Configuration	[REDACTED]
Hill Descent Feature Present	[REDACTED]
Select Speed Control Feature Present	[REDACTED]
Power Inverter Type	[REDACTED]
Thatcham Present	[REDACTED]
Rain Sensor Present	[REDACTED]
[REDACTED] System Present	[REDACTED]
Air Conditioning Present	[REDACTED]
Cruise Feature is Present	[REDACTED]
Flipper Glass Present	[REDACTED]
Full Size Spare	[REDACTED]
Off Road Capable	[REDACTED]
Special Packages	[REDACTED]
Max Load Inflation Pressure Rear Tire	[REDACTED]
Max Load Inflation Pressure Front Tire	[REDACTED]
Light Load Inflation Pressure Rear Tire	[REDACTED]
Police Lighting Feature	[REDACTED]
Power Lift Gate Present	[REDACTED]
Power Right Sliding Door Present	[REDACTED]
Power Left Sliding Door Present	[REDACTED]
RKE System Present	[REDACTED]
[REDACTED] Present	[REDACTED]
T-Case Type	[REDACTED]
Wheel Base	[REDACTED]
FOBIK Safe Enable	[REDACTED]
ELV Present	[REDACTED]
Fuel Capacity	[REDACTED]
Window Express Feature Configuration	[REDACTED]
Adjustable Pedal Feature Present (non-Memory)	[REDACTED]
Auto Headlamp Feature Present	[REDACTED]
Door Alert Feature Present	[REDACTED]
[REDACTED] Present	[REDACTED]
Vehicle is an SRT	[REDACTED]
Disable Display of Radio Clock	[REDACTED]
Chassis Type	[REDACTED]
Display Outside Temperature Present	[REDACTED]
HVAC Configuration	[REDACTED]

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Vehicle Brand		
Display Compass Heading Present		
Interior EC Mirror Present		
system present		
High Intensity Discharge Head Lamps		
Secondary Lock Present		
Luggage/Trunk Type		
Collision Mitigation System present		
Forward Collision Warning present		
Base system present		
Premium system present		
Paddle Shift Feature Present		
Sport Mode Present		
Auto Park Present		
Passive Entry Present		
Keyless Go Present		
Transfer Case High Ratio		No Unit
Axle Ratio		
Transfer Case Low Range Reduction Ratio		
Dynamic Tire Circumference (All or Rear)		
Dual Rear Wheel (DRW) Vehicle Present		
Non-Regulated Tire () Present		
Steering Ratio at		No Unit
Steering Ratio at Positive Angle 1		No Unit
Steering Ratio at Positive Angle 2		No Unit
Steering Ratio at Positive Angle 3		No Unit
Steering Ratio at Positive Angle 4		No Unit
Steering Ratio at Positive Angle 5		No Unit
Analog Door Sensor Configuration		
Air Quality System Present		
Steering Ratio at Negative Angle 1		No Unit
Steering Ratio at Negative Angle 2		No Unit
Steering Ratio at Negative Angle 3		No Unit
Steering Ratio at Negative Angle 4		No Unit
Steering Ratio at Negative Angle 5		No Unit
Ambient Light Dimmer Wheel Input Present Pin G9		
Low Beam Output Present - Pin A3, D2		
Rear Wiper Motor Park Present - Pin		
Left Rear Door Ajar Input Present - Pin		
Front Driver Analog Door Ajar Input Present - Pin		
Reserved - Pin		
Horn Switch Input Present - Pin		

Reserved -
Hood Ajar Switch Input Present - Pin
Hard Top Sense Present -
Reserved -
Reserved - Pin
Passenger Door Ajar Signal Present - Pin
Reserved - Pin
Reserved - Pin
Starter Relay Lowside Coil Drive - Pin D7
Diesel Cabin Heater #2 Output Present - Pin D9
Diesel Cabin Heater #3 Output Present - Pin D10
Diesel Cabin Heater #1 Output Present - Pin D11
Right Dedicated DRL Lamp Output Present - Pin
Left Dedicated DRL Lamps Output Present - Pin
Flipper Glass #2 Output Present
Foot Well Lamps Output Present - Pin
Front Fog Lamps Output Present - Pin A1 &
Inverter Enable Relay Output Present - Pin
Reserved -
Gated Park ZFI Output Present - Pin D-
Reserved - Pin
Rear Fog Lamps Output Present - Pin &
Rear Park Lamps Output Present - Pin &
Rear Turn Lamps Output Present - Pin &
Run-ACC Y Relay #2 Output Present - Pin
Side Markers Output Present - Pin &
Trailer Backup Lamps Output Present - Pin
Reserved - Pin F4
UGDO Feed Output Present - Pin
Warning LED Output Present - Pin
Park Brake Input Present - Pin
Ambient Temperature Sensor Present - Pin
Tip Start Enabled
Dual Start Relay System Present
Wiper Service Position Enabled
Trailer Tow Present
Quad Headlamps Enable
Horn Chirp Allowed
Bi Xenon Headlamps Enable
Hazard Lamp Configuration
Park Lamp Loadshed Enable
Front Fog Lamp Dropout Enable

Combined Rear Lighting Enable

Side Repeaters Enable

Change

Exterior Light Loadshed Enable

Front Wiper Park Enable

Rear Wiper Park Enable

Reversible Washer Pump Enable

Tail Lamp

DRL Configuration

DRL Lamp Location

DRL Dropout Enable

Tunnel Detection

Military Vehicle Present

LED Reverse Lamps Present

LED Stop Lamps Present

LED Rear Turn Lamps Present

LED Tail Lamps Present

LED Rear Fog Lamps Present

LED License Lamps Present

LED Front Turn Lamps Present

LED Front Fog Lamps Present

LED Dedicated DRL Present

LED Low Beam Lamps Present

LED High Beam Lamps Present

LED Front Park/Marker Lamps Present

Lock Switch Signal FT LT Usage (F9)

Lock Switch Signal FT RT Usage (F23)

Headlamp Wash Interval

Headlamp Wash Shot

Front Wiper Wipes After Wash

Headlamp Washer Low Fluid Shut-Off Enable

Intermittent Wiper States

LED CHMSL Lamp Present

Rear Camera Present

Power Inverter Present

Front Park Assist Present

Front Heated Seats Present

Front Ventilated Seats Present

Destination

Cabin Equilization Curve Number

Hill Start Assist Customer Setting Option Present

Radio Apps Present

CTP Easy Entry Enable

CTP Passive Entry Present

CTP Auto Lock Disable

SDAR Travel Link Present

DAB Present

Vehicle Theft Alarm Present

Heated Steering Wheel Present

VIN Check Digit Diabie

Surround Sound Feature Present

Power Door Lock Present

Antenna Type

CTP Max AC Present

Hybrid Electric Powertrain Present

Disable CD Eject

DTV Front Camera Present

DTV Side Camera Present

Tow Haul Present

Hill Descent Control Present

Audio Steering Wheel Switch Configuration

Radio Display On/Off Softkey Present

Microphone Tuning Parameter

Microphone Configuration

Microphone Type

External Port Type

Splashscreen Type

ERS Available

Rear Wheel Dually

Max Gear

Virtual Speedometer Units

Speedometer Range Max Scale

IC Config Feature

PTO Present

AMB Dimmer

Heated Seat Present

Split Shaft Present

Manual Headlamp Leveling

Gear Shift Indicator

Service Interval

Temperature Celsius for UK

Type of Gallons

Tip Start Present

5 Trunk Lock

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Airport Scenario Trunk Set		
AP1 Left Front		
AP2 Right Front		
AP3 Left Rear		
AP4 Right Rear		
Global Up		
Global Down		
Sun Shade		
Puddle Lamp Present		
Rear Door Pre-Open Drop		
Passenger Window Lockout		
Auto Power Folding Mirrors Present		
Folding mirrors present		
Heated Mirrors Present		
Mirror turn signals present		
Driver Memory Mirrors Present		
Passenger Memory Mirror Present		
Electro-chromatic driver mirror present		
Electro-chromatic passenger mirror present		
Tow Mirror Present		
Blindspot Mirror Present		
Window Motor Type		
Window Hall Sensors Present		
Frameless Window Present		
Memory Adjustable Pedals Present		
Tilt/Telescope Steering Present		
Memory Seat Present		
Rear Heated Seats Present		
Front Vented Seats Present		
Heated Steering Wheel Present		
Heated Seat Material Type		
Heated Wheel Material Type		
Rear Vented Seats Present		
Front Heated Seat Present		
Brake System ECU Configuration A		
Wheel [REDACTED] overall ESC Maserati		
Brake System ECU Configuration B		
ECO Mode Configuration		
Dual Alternator Present		
ODS Present		
Driver Kneebag Present		
Passenger Kneebag Present		

Curtain Airbags Present		
Tow Hooks Present		
Passive Ped Pro Present		
Present		
Reserved		
Reserved		
Integrated EPP Present		
BUX vehicle		
Signature Light Present		
Dual Filament Headlamp		
Front Turn Lamp Diagnostics		
Auto Headlamp On Threshold		Volt
Auto Headlamp Off Threshold		Volt
Left Low Beam Voltage Regulation		
Left High Beam Voltage Regulation		
Right Low Beam Voltage Regulation		
Right High Beam Voltage Regulation		
Left Front Corner Voltage		
Right Front Corner Voltage		
Left Rear Corner Voltage		
Right Rear Corner Voltage		
Panic Enable		
Compass Mounting Orientation		
Washer Fluid Level Voltage Threshold		
IBS Present		
M Present		
Humidity Sensor Present		
Manual Trans Present		
DC to DC Converter Present		
M Present		
Auto Relock Time		seconds
System Present		
DC to DC Converter #2 Present		
Illuminated Approach Interior Lighting Target Percentage		
Illuminated Approach Headlamp Target Percentage		
Illuminated Approach Taillamp Target Percentage		
Illuminated Approach Interior Lighting Ramp Up Time		
CRVMM Present		
EVIC Switch Module Present		
Compass Mounting Angle		Degree
Backup Reverse Lamp Left Present - Pin F41		
Backup Reverse Lamp Right Present - Pin		

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Stop/Turn Lamp or Stop Lamp Present Pin &		
Left High Beam Present - Pin D1		
Right High Beam Present - Pin A2		
Left Front Lamp Diagnostics Present - Pin		
Right Front Lamp Diagnostics Present - Pin		
Left Rear Turn Lamp Diagnostics Present - Pin		
Right Rear Turn Lamp Diagnostics Present - Pin		
Brake Pedal Level Switch Signal Present - Pin		
Siren		
Ultrasonics		
Tilt		
Swing Gate Lock Present - Pin		
Swing Gate Unlock Present - Pin		
Front Fog Voltage		
Rear Fog Voltage		
CHMSL Lamp Output Disable		
Secondary Door Ajar Present - Pin		
Manual Door Locks Present		
Rain Sensor Module #2 Present		
Auto High Beam Module Location		
Average Last Longitudinal Acceleration Values		
Average Last Lateral Acceleration Values		
Excess Longitudinal Acceleration Factor		
Excess Lateral Acceleration Factor		
Brake Smoothing Duration		
Brake Smoothing Factor		
Steering Smoothing Duration		
Steering Smoothing Factor		
Steering Smoothing Threshold		
Brake Smoothing Threshold		
Maximum Longitudinal Change		
Maximum Lateral Change		
Acceleration Threshold		
Acceleration Factor		
Nose Dive Threshold		
Nose Dive Factor		
RKE Auto-Relock Feature Enable		
PE Auto-Relock Feature Enable		
VTA Hood Ajar Monitoring		
Horn Chirp Duration		
Pitch and Roll Present		
Parking Light Enable		

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Minimum Voltage Time		
M Battery Minimum Voltage		
Interior Lighting Night Threshold		
Interior Lighting Day Threshold		
Axle Locker Configuration		
Transmission Equipped		
Park Brake Type		
TPMS Configuration		
Hybrid Type		
TSBM Module Present		
RR feature Present		
AGS Feature Present		
Temperature Display Resolution		
PTC Present		
Glovebox Control		
Glare Free Present		
Brake Type		
Suspension Type		
Park assist customer settings menu		
Park assist brake customer settings menu		
Park assist front volume customer settings menu		
Park assist rear volume customer settings menu		
Electric power steering customer settings menu		
Forward collision warning customer settings menu		
Auto on driver comfort customer settings menu		
Auxiliary switches customer settings menu		
Rear view camera gridlines customer settings menu		
Unit set customer settings menu		
Power accessory delay customer settings menu		
Ambient dimmer customer settings menu		
Tire jack mode customer settings menu		
Air suspension warning customer settings menu		
Automatic aero mode customer settings menu		
Auto high beam customer settings menu		
Auto park customer settings menu		
Blind spot alert customer settings menu		
Clock display customer settings menu		
Compass calibration customer settings menu		
Compass variance customer settings menu		
Consumption unit customer settings menu		
Distance unit customer settings menu		
Auto door lock customer settings menu		

Easy exit seat customer settings menu

Auto entry exit mode customer settings menu

EPB service mode customer settings menu

Headlamp drop customer settings menu

Headlamp off delay customer settings menu

Headlamps on with wiper customer settings menu

Passive entry customer settings menu

Illuminated approach customer settings menu

Lane departure torque customer settings menu

Lane departure warning customer settings menu

Rear camera customer settings menu

Rain sensitive wipers customer settings menu

Power take off customer settings menu

Pressure unit customer settings menu

Power unit customer settings menu

Power liftgate chime customer settings menu

Performance shift enable customer settings menu

Rear view camera delay customer settings menu

RKE unlock customer settings menu

Speed unit customer settings menu

Tilt mirror in reverse customer settings menu

Torque unit customer settings menu

Teen Key Fuel Pop-up Customer Settings Menu

Teen Key Automatic High Beam Customer Settings Menu

Passenger Airbag On/Off Customer Settings Menu

Forward Collision Warning and Brake Customer Settings Menu

Doors and Engine Off Power Delay Customer Settings Menu

Radio Speaker Open Circuit Disable (LF)

Radio Speaker Open Circuit Disable (RF)

Radio Speaker Open Circuit Disable (LR)

Radio Speaker Open Circuit Disable (RR)

Calibration Parameter Data Set

ms

Surround View Camera On/Off Softkey Present

Drive Mode Version

Rear Defrost and Heated Mirrors Present

Show Phone Information in Cluster

Auto Dimming Mirror Hard Button Present

-Fi Present

Automatic Crash Notification Feature Present

Trailer Hitch Camera Present

Park Assist Tuning Set

Rear Defrost Presence

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Heated Mirrors Present		

CONFIGURATION

NAME	VALUE	UNITS
Satellite Subscription Status		
Reason Code		
Suspend		
Suspend Month		
Suspend		
Distortion Limiting		
Clock Defeat		
Stereo Blend		
High Cut		
Automated Loudness		
Anti-Theft Enable Status		
Selection		
Cabin EQ Curve Number Currently Used by Radio		events
Splash Screen		
USB Hubs Detected		
SD Card Readers Detected		Unit
Enumerated USB Devices		Unit
Aux Jack		
CAN Architecture		

ABSO CONFIGURATION

NAME	VALUE	UNITS
Vehicle Line Identification		
Displacement		Unit
Hybrid Type		
Trans Type		
Drive Configuration		
Chassis Type		
Axle Ratio		No Unit
Tire Circumference		

DASM CONFIGURATION

NAME	VALUE	UNITS
[REDACTED] Present	[REDACTED]	
[REDACTED] STOP Present	[REDACTED]	
[REDACTED] [REDACTED]	[REDACTED]	
[REDACTED] PCW Present	[REDACTED]	
[REDACTED] Present	[REDACTED]	
Auto High Beam Present	[REDACTED]	
[REDACTED] Present	[REDACTED]	

[REDACTED] CONFIGURATION

NAME	VALUE	UNITS
Enable Auto Answer	—	

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WI
TECH

VEHICLE SCAN REPORT

Vehicle **DI TURBO PHEV ENGINE**
VIN

Odometer

ECU SUMMARY INFO

ECU	NAME	BUS TYPE	FLASH PART #	CURRENT VIN	ORIGINAL VIN	PART #
TCM	Transmission Control Module					
PCM	Powertrain Control Module					
ICS	Integrated Center Stack					
RFH	Radio Frequency Hub					
ESM	Electronic Shifter					
DTCM	Drive Train Control Module					
ORC	Occupant Restraint					
EPS	Electric Power Steering					
HVAC	Heat, Ventilation and A/C					
CSWM	Comfort Seat Wheel Module					
AMP	Amplifier					
IPC	Instrument Panel Cluster					
SCCM	Steering Column Control Module					
BCM	Body Controller					
RADIO	Radio					
OCM	Occupant Classification					
BPCM	Battery Pack Control Module					
HCP	Hybrid Control Processor					
DSM	Display Screen Module					

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[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

DTC SUMMARY

ECU	DTC CODE	DTC DESCRIPTION	STATUS
TCM	[REDACTED]	[REDACTED]	Stored

ENVIRONMENTAL DATA SUMMARY

TCM | [REDACTED] | Stored | Clutch Position Control Error-

NAME	VALUE	UNITS
DTC	[REDACTED]	
Test Failed	[REDACTED]	
Test Failed This Operation Cycle	[REDACTED]	
Pending DTC	[REDACTED]	
Confirmed DTC	[REDACTED]	
Test Not Completed Since Last Clear	[REDACTED]	
Test Failed Since Last Clear	[REDACTED]	
Test Not Completed This Operation Cycle	[REDACTED]	
Warning Indicator Requested	[REDACTED]	
DTC Extended Data Record Number - All	[REDACTED]	
Occurrence flag	[REDACTED]	
Original Odometer Value	[REDACTED]	
Most Recent Odometer Value	[REDACTED]	
Frequency Counter	[REDACTED]	
Ignition Cycle Counter	[REDACTED]	

SNAPSHOT DATA SUMMARY

No Snapshot Data available for [REDACTED]

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Technical Service Bulletin (TSB)
Harsh Transition From Electric to Hybrid Mode

REFERENCE:	TSB: [REDACTED] REV. A GROUP [REDACTED] - Transmission and Transfer Case	Date:	[REDACTED]	REVISION:	[REDACTED]
VEHICLES AFFECTED:	[REDACTED] (WL) [REDACTED] This bulletin applies to vehicles equipped with the 2.0L I4 DOHC DI Turbo PHEV Engine (Sales Code [REDACTED]) and [REDACTED] PHEV Transmission (Sales Code DFY).			MARKET APPLICABILITY: ☒ NA ☒ MEA ☒ SA ☒ IAP ☒ EE ☐ CH	
CUSTOMER SYMPTOM:	Customers may experience [REDACTED] or more of the following: <ul style="list-style-type: none">• Harsh Shift• Abrupt or harsh transition from Electric Vehicle to Hybrid Engine mode.				
CAUSE:	Transmission adaptive relearn				

This bulletin supersedes Technical Service Bulletin (TSB) [REDACTED], date of issue [REDACTED], which should be removed from your files. All revisions are highlighted with **asterisks** and include updated LOP.

This Technical Service Bulletin (TSB) has also been released as a Rapid Service Update (RSU) [REDACTED], date of issue [REDACTED]. All applicable RSU VINs have been loaded. To verify this RSU service action is applicable to the Un-Sold vehicle, use VIP or perform a VIN search in DealerCONNECT/Service Library. This RSU will expire [REDACTED] after the date of issue.

REPAIR SUMMARY:

This bulletin involves performing a transmission quick learn with [REDACTED].

CLAIMS DATA:

Labor Operation No:	Labor Description	Skill Category	Labor Time
** [REDACTED] **	Module, Transmission Control (TCM) - Inspect	2 - Automatic Transmission	[REDACTED]
** [REDACTED] **	Module, Transmission Control (TCM) - Inspect and Perform Quicklearn (0 - Introduction)	2 - Automatic Transmission	[REDACTED]
Failure code	ZZ	Service Action	

DIAGNOSIS:

Using a Scan Tool ([REDACTED]) with the appropriate [REDACTED] Procedures available in DealerCONNECT/Service Library, verify all related systems are functioning as designed. If [REDACTED] Trouble [REDACTED] (DTCs) or symptom conditions, other than the [REDACTED] es listed above are present, record the issues on the repair order and repair as necessary before proceeding further with this bulletin.

If a customer's VIN is listed in VIP or your RSU VIN list, perform the repair. If any vehicle not on the VIN list exhibits any of the symptoms listed above in the customer symptom section, perform the Repair Procedure.

SPECIAL TOOLS/EQUIPMENT:

Description	Ref. No.	Notes
[REDACTED] or Equivalent	—	—

REPAIR PROCEDURE:

NOTE: The transmission oil temperature must be above 60° C (140° F) and transmission oil level must be full before performing the adaptation procedure.

NOTE: The High Voltage (HV) battery State Of Charge (SOC) must be always above 20% and 80% while performing this procedure. If the HV battery is below 20%, charge the battery before continuing.

1. Does the vehicle have 12V battery on the odometer?
 - YES>> This bulletin is complete. Use (***) to close this RSU. Perform normal diagnostics.
 - NO>>> Proceed to 2.
2. Using a thermometer, ensure the transmission temp is above 60° C (140° F)

NOTE: If the HV battery voltage is low, drive the vehicle in "ELECTRIC" mode until the voltage drops below 200V. This will also aid in warming up the transmission to proper operating temp.

3. Check the HV battery State Of Charge (SOC) is above 20% and 80%. This can be found in the Instrument Panel Cluster (IPC).
4. Using a scan tool, create a vehicle scan report.
5. Ensure the vehicle is in HYBRID mode on the left side switch bank.
6. Using a scan tool, record the K0 Filling Counter and K0 Fast filling Counter. This can be found in Transmission Control Module (TCM) Misc Functions in PHEV Quicklearn, Read Adaptives (Fig. 1).

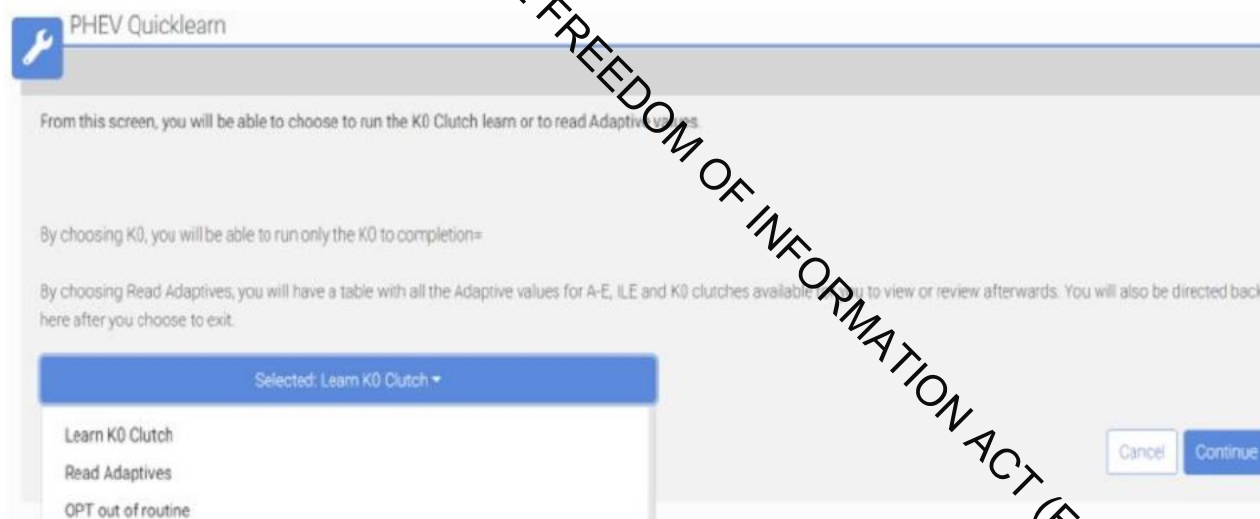


Fig. 1
PHEV Quicklearn

7. Now select "Learn K0 Clutch". Follow prompts in the scan tool to complete the Learn K0 Clutch procedure.
8. Upon successful completion of the Learn K0 Clutch procedure, verify the new K0 Filling Counter and K0 Fast filling Counter are correct. Record all four K0 values found in TCM Misc Functions > PHEV Quicklearn > Read Adaptives.
9. Clear all DTCs that may have been set.

NOTE: Before the test drive go into the radio E-Hybrid pages, go to the e-Save page and verify "Battery Save" is selected.

10. Test drive the vehicle to ensure the customer concerns have been corrected. Put the vehicle into "e-Save" mode, engine should not be running when starting the test drive. Drive until the engine begins to run.

11. Have the customer concerns be corrected?

YES>>> This bulletin has been completed return the vehicle to the customer.

NO>>> Further Diagnostic will be needed.

POLICY:

Reimbursable within the provisions of the warranty.

This bulletin is supplied as technical information only and is not an authorization for repair. No part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, electronic, mechanical, photocopying, or otherwise, without written permission of [REDACTED]

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