

CONFIGURATION REPORT

Vehicle

ECU SUMMARY INFO

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

SGW	Security Gateway Module	CAN-C				
DPDM	Driver Presence Detection Module	CAN-C				
DASM	Driver Assistance System Module	CAN-C				
IDCM	Integrated Dual Charge Module	CAN-C				
TBM2	Telematic Box Module 2	CAN-C				

ECU SUMMARY INFO (CONT...)

ECU	COUNTRY CODE	HARDWARE VERSION	SOFTWARE VERSION	IDENT	SERIAL NUMBER	CVNS
TCM	USA / USA					
PCM	USA					
ICS	USA					
RFH	USA / USA					
ESM	USA					
DTCM	USA					
ORC	USA					
EPS	USA					
HVAC	USA / USA					
IPC	USA					
SCCM	USA					
BCM	USA					
RADIO						
OCM	USA					
BPCM	Rest of world / ROW					
HCP	USA					
DSM	USA / USA					
AHCP	USA					
ABSO	USA					
DPDM	USA					
DASM	USA					
IDCM	USA					
TBM2	USA					

CONFIGURATION

TCM CONFIGURATION

NAME	UNITS
Autostick/ERS On/Off Switch Equipped	
Paddle-Shift Switches Equipped	

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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 Range equipped

Engine Start/Stop 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		
4 Button Integrated Cruise Control		
EMAT (Getrag DCT transmission) Equipped		
Vehicle Speed Sensor #1 Calculated from CAN		
Police Package Equipped		
Unleaded Gasoline Fuel		
Unleaded diesel fuel		
6.4 Liter V8 Engine		
4 Speed Automatic Transmission Equipped		
Electronic Automatic Transmission (EATX) Equipped		
Vehicle Speed Sensor #1 Calculated by ECU		
4.7 Liter V8 Engine		
5.7 Liter V8 Engine		
6.1 Liter V8 Engine		
Sensorless FFV Enabled		
Electronic Throttle Control Equipped		
3.6 Liter V6 Engine		
4.0 Liter I6 Engine		
3.8 Liter V6 Engine		
3.7 Liter V6 Engine		
3.5 Liter V6 Engine		
3.3 Liter V6 Engine		
3.2 Liter V6 Engine		

2.7 Liter V6 Engine
MTV Solenoid Equipped
MDS Equipped
Turbocharger Equipped
SRV Equipped
Secondary Air Equipped
Shift Indicator Lamp Equipped
Barometric Sensor Equipped
TIP 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 1/1 Equipped
Wide Range O2 Sensor 2/1 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
1.8 Liter W14 engine
2.0 Liter W14 engine
2.4 Liter W14 engine
3.0 Liter V6 Engine
Variable 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
40TE / 41TE / 41TEA
42RLE
45RFE / 545RFE / 65RFE
62TE
66RFE / 68RFE
VLP Is Learnable Indicator
VLP Equipped Indicator
VFS Actuators Available Indicator
ERS Equipped Indicator
Engine Software In Package
Transmission Software Included
ICC Cruise Equipped
ETC Cruise equipped
Adaptive Cruise Control Equipped
A/C Equipped
Adaptive Cruise Control Hardware Equipped
DUAL_ALTERNATOR_GEN1_LEARNEDCOPY
TOOLCONFIG Oil Pressure ABS Equipped
GPEC2 Equipped
GPEC2A Equipped
GPEC3 Equipped
Cummins Equipped
GPEC4 Equipped
VMM Equipped
Powernet Equipped

CUSW (11-Bit) Equipped
Fiat 940 Compact Equipped
Next Gen Bus Equipped
Constant Heater Temperature Control Valve Equipped
High Side Port Tumble Valve Equipped
CMCV H-Bridge Equipped
Machine Volute Valve Actuator Equipped
Wastegate H-Bridge Equipped
Active Exhaust Valve Equipped
Active Exhaust Pressure Sensor Equipped
Engine Idle Shutoff Equipped
Aisin 6-Speed 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
CUSW PROXI Write Programming Support Enabled
Active Engine Mount Equipped
ZF 9-Speed Transmission Equipped
HPT 6-Speed Transmission Equipped
Variable Speed Fuel Pump Equipped
Operator Idle Speed Request Equipped
PTO System Equipped
Air Shutoff Valve Bank 1 Control Solenoid 1 Equipped
Air Shutoff Valve Bank 1 Control Solenoid 2 Equipped
Air Shutoff Valve Bank 2 Control 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
6.2 Liter V8 Engine
Primary Lin Alternator Equipped
Coolant On-Off Pump Equipped
Oil Pressure Sensor Enabled
Fiat VIN Learning Strategy Equipped
Dual Fuel Tank Equipped
Yaw Rate Sensor ESC Equipped
1.0 Liter 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

PP 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 Gen1 Capable

Auxiliary Coolant Pump Equipped

ZF 9-Speed Trans Equipped

HPT 6-Speed Trans Equipped

CUSW 4-Button 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

5 Button Cruise (LIN) Equipped

Operator Idle Speed Request Equipped

INTAKE O2 SENSOR EQUIPPED

Cylinder Pressure Sensor Equipped

Make Up Air Sensor Equipped

Active Exhaust Pressure Sensor Equipped

Secondary Mass Airflow Sensor Equipped

1.0 Liter I3 Engine

2.0 Liter I4 Direct Injection 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
Wastegate HBridge Equipped
Remote Start Present
Engine Oil Pressure Sensor Type

None

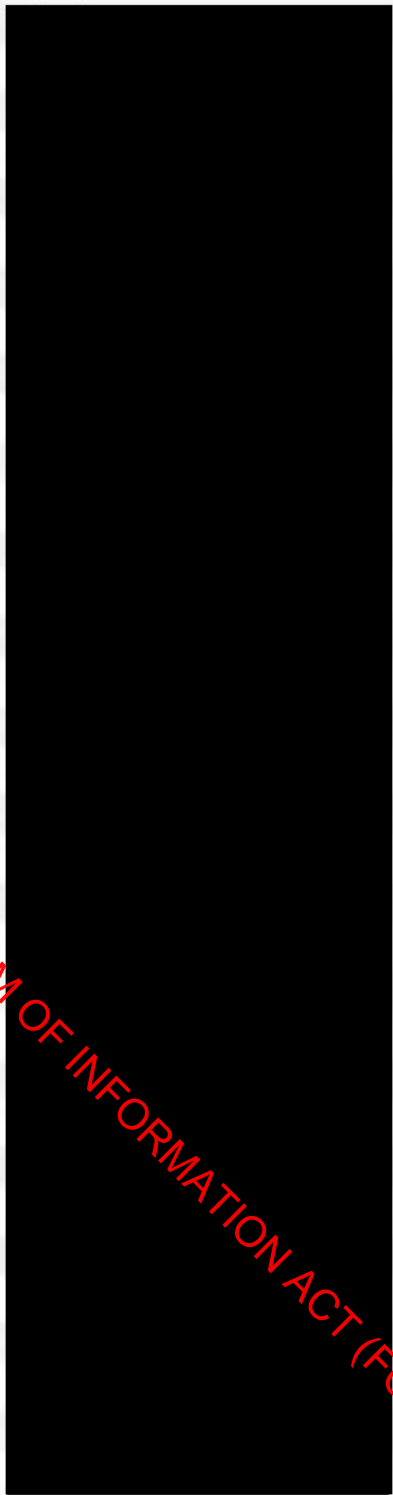
ICS CONFIGURATION

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

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		
RKE		
Module Configuration Status		
Remote Start Present		
\$0214 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
Back Up ECU Configuration 17
Back Up Customer Settings Menu 1 (CSM1)
Back Up Customer Settings Menu 2 (CSM2)
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

ORC CONFIGURATION

NAME	VALUE	UNITS
Roller Sensing		
EPPM		
Occupant Classification (OCM)		
First Row Driver Seatbelt Buckle Switch		
First Row Passenger Seatbelt Buckle Switch		
Second Row Left seat belt Switch		
Second Row Center seat belt Switch		
Second Row 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		
Second Row 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
DualZone ATC Control (Factory) (BB)		
DualZone ATC Control (BB)		
Dual Zone MTC Control (BB)		
Single Zone MTC Control (BB)		
MTC With EBL (3Knob)		
MTC Without EBL (3Knob)		
MTC heater only (3Knob)		

IPC CONFIGURATION

NAME	VALUE	UNITS
Main Fuel Tank Gauge - Empty Stop Calibration	0.000	Volts
Main Fuel Tank Gauge - 1/4th Datum Calibration	0.000	Volts
Main Fuel Tank Gauge - 1/2 Datum Calibration	0.000	Volts
Main Fuel Tank Gauge - 3/4 Datum Calibration	0.000	Volts
Main Fuel Tank Gauge - Full Stop Calibration	0.000	Volts
Sub Fuel Tank Gauge - Empty Stop Calibration	0.000	Volts
Sub Fuel Tank Gauge - 1/4 Datum Calibration	0.000	Volts
Sub Fuel Tank Gauge - 1/2 Datum Calibration	0.000	Volts
Sub Fuel Tank Gauge - 3/4 Datum Calibration	0.000	Volts
Sub Fuel Tank Gauge - Full Stop Calibration	0.000	Volts

SCCM CONFIGURATION

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

BCM CONFIGURATION

NAME	VALUE	UNITS
RBSM		

LBSM

BCM (Interior Bus)

HSM

HVAC

PTCM

Radio

AMP

EDM

HVMC_R

TBM

AHLM/AFLS

ASCM

BCM (PT)

DTCM

PCM

EPS

ESM

ABS

RFH

IPC

ORC

PTS

SCCM

ELSD

TCM

TPM

AFLS

ITBM

OCM

DPDM

SGW

ASBS

ANC

Number of Reprogramming Attempts - Counter #0

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 CSM2

Model Year

Vehicle Line

Country Code

Left/Right Hand Drive

Remote Start Present

Drive Configuration

Emode Present

Auto Highbeam

Body Style

Maximum Vehicle Speed

Shifter Type

Performance Pages Present

Special Packages

PTS Configuration

MPH

Hill Descent Feature Present

Select Speed Control Feature Present

Power Inverter Type

Thatcham Present

Rain Sensor Present

SKIM System Present

AP Conditioning Present

Cruise Feature is Present

Flipper Glass Present

Full Size Spare

Off Road Capable

Special Packages

Max Load Inflation Pressure Rear Tire

PSI

Max Load Inflation Pressure Front Tire

PSI

Light Load Inflation Pressure Rear Tire

PSI

Police Lighting Feature

Power Lift Gate Present

Power Right Sliding Door Present

Power Left Sliding Door Present

RKE System Present

Sunshade Present

T-Case Type

Wheel Base

FOBIK Safe Enable

ELV Present

Fuel Capacity

gallons

Window Express Feature Configuration

Adjustable Pedal Feature Present (non-Memory)

Auto Headlamp Feature Present

Door Alert Feature Present

Two Fuel Sending Units Present

Vehicle is an SRT

Disable Display of Radio Clock

Chassis Type

Display Outside Temperature Present

HVAC Configuration

Vehicle Brand

Display Compass Heading Present

Interior EC Mirror Present

ESCL system present

High Intensity Discharge Head Lamps

Secondary Lock Present

Liftgate/Trunk Type

Collision Mitigation System present

Forward Collision Warning present	
Base TPM system present	
Premium TPM 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)	inch
Dual Rear Wheel (DRW) Vehicle Present	
Non-Regulated Tire Pressure Information System (TPIS) Present	
Steering Ratio at zero	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 E29	
Left Rear Door Ajar Input Present - Pin F23	
Front Driver Analog Door Ajar Input Present - Pin F9	
Reserved - Pin G12	
Horn Switch Input Present - Pin F29	
Reserved - Pin E15	
Hood Ajar Switch Input Present - Pin A11	
Hard Top Sense Present - Pin E14	
Reserved - F21	
Reserved - Pin D20	
Passenger Door Ajar Signal Present - Pin G18	
Reserved - Pin E47	
Reserved - Pin E35	
Starter Relay Lowside Coil Drive - Pin D7	
Diesel Cabin Heater #2 Output Present - Pin D9	

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Diesel Cabin Heater #3 Output Present - Pin D10
Diesel Cabin Heater #1 Output Present - Pin D11
Right Dedicated DRL Lamp Output Present - Pin A22
Left Dedicated DRL Lamps Output Present - Pin D15
Flipper Glass #2 Output Present
Foot Well Lamps Output Present - Pin G24
Front Fog Lamps Output Present - Pin A1 & D13
Inverter Enable Relay Output Present - Pin F35
Reserved - Pin E20
Gated Park ZFI Output Present - Pin D-24
Reserved - Pin E21
Rear Fog Lamps Output Present - Pin E39 & F5
Rear Park Lamps Output Present - Pin E4 & F32
Rear Turn Lamps Output Present - Pin E3 & F42
Run-ACC Y Relay #2 Output Present - Pin E9
Side Markers Output Present - Pin A19 & D5
Trailer Backup Lamps Output Present - Pin A23
Reserved - Pin F4
UGDO Feed Output Present - Pin G15
VTA Warning LED Output Present - Pin G22
Park Brake Input Present - Pin E11
Ambient Temperature Sensor Present - Pin D22
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
One Touch Lane Change
Exterior Light Loadshed Enable
Front Wiper Park Enable
Rear Wiper Park Enable
Reversible Washer Pump Enable
Single Element 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 BRL Present

LED Low Beam Lamps Present

LED High Beam Lamps Present

LED Front Park/Marker Lamps Present

Door Lock Switch Signal FT L Usage (F9)

Door 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 Diable

Surround Sound Feature Present

Power Door Locks 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
AP5 Trunk Lock
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 Short 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 18 inch 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
2nd Row Seat Airbags Present
Reserved
Reserved
Integrated EPP Present
BUX vehicle
Signature Light Present
Dual Filament Headlamp
Front Turn Lamp Diagnostics
Auto Headlamp On Threshold
Auto Headlamp Off Threshold
Left Low Beam Voltage Regulation
Left High Beam Voltage Regulation
Right Low Beam Voltage Regulation
Right High Beam Voltage Regulation
Left Front Corner Voltage

Volt
Volt

Right Front Corner Voltage	
Left Rear Corner Voltage	
Right Rear Corner Voltage	
Panic Enable	
Compass Mounting Orientation	
Washer Fluid Level Voltage Threshold	
IBP Present	
ASBMM Present	
Humidity Sensor Present	
Manual Trans Present	
DC to DC Converter Present	
ASBM Present	
Auto Relock Time	seconds
VTA 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 E1	
Stop/Turn Lamp or Stop Lamp Present Pin E2 & F40	
Left High Beam Present - Pin D1	
Right High Beam Present - Pin A2	
Left Front Lamp Diagnostics Present - Pin F25	
Right Front Lamp Diagnostics Present - Pin F28	
Left Rear Turn Lamp Diagnostics Present - Pin F27	
Right Rear Turn Lamp Diagnostics Present - Pin F31	
Brake Fluid Level Switch Signal Present - Pin D21	
Siren	
Ultrasonics	
Tilt	
Swing Gate Lock Present - Pin F30	
Swing Gate Unlock Present - Pin F33	
Front Fog Voltage	Volts
Rear Fog Voltage	Volts
CHMSL Lamp Output Disable	
Secondary Door Ajar Present - Pin E28	
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

ASBM Minimum Voltage Time

ASBM Battery Minimum Voltage

Interior Lighting Night Threshold

Volt

Interior Lighting Day Threshold

Volt

Axle Locker Configuration

Transmission Equipped

Park Brake Type

TPMS Configuration

Hybrid Type

TSBM Module Present

ADR 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)
 ANC Calibration Parameter Data Set
 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
 Clari-Fi Present
 Automatic Crash Notification Feature Present
 Trailer Hitch Camera Present
 Park Assist Tuning Set
 Rear Defrost Presence
 Heated Mirrors Present
 Engine Displacement
 Steering C Factor
 Speedometer Tolerance
 Increasing speed constant
 Tachometer Type
 DTV Present
 Tri-State Comfort Climate Softkey Function Present

ms

RADIO CONFIGURATION

NAME	VALUE	UNITS
Satellite Subscription Status		
Reason Code	00	
Suspend Day	00	
Suspend Month	00	
Suspend Year	00	
Distortion Limiting		
Clock Defeat		
Stereo Blend		
High Cut		
Automated Loudness		
Anti-Theft Enable Status		
12/24 Time Selection		
Front Seat Video Playback		
Cabin EQ Curve Number Currently Used by Radio		events
Splash Screen		

USB Hubs Detected		No Unit
SD Card Readers Detected	0	No Unit
Enumerated USB Devices	0	No Unit
Aux Jack		

ABSO CONFIGURATION

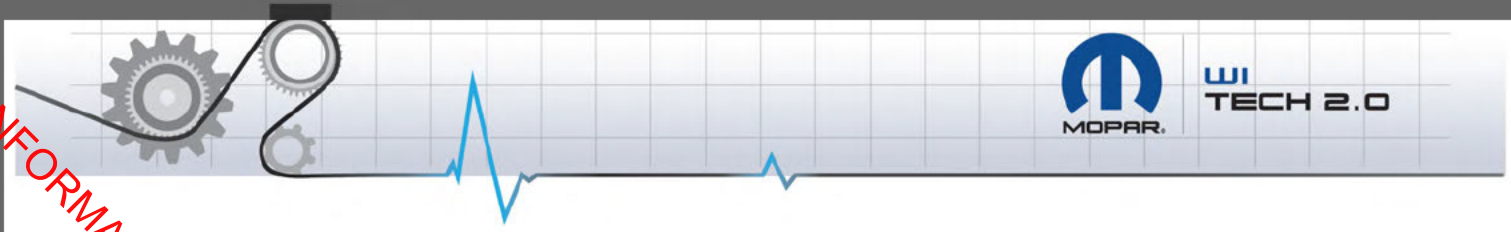
NAME	VALUE	UNITS
Vehicle Line Identification		
Displacement		No Unit
Hybrid Type		
Trans Type		
Drive Configuration		
Chassis Type		
Axle Ratio		No Unit
Tire Circumference		inch

DASM CONFIGURATION

NAME	VALUE	UNITS
ACC Present		
ACC STOP Present		
ACC GO Present		
FCW Present		
LDW Plus Present		
Auto High Beam Present		
NCC Present		

TBM2 CONFIGURATION

NAME	VALUE	UNITS
Enable Auto Answer	—	



VEHICLE SCAN REPORT

Vehicle

ECU SUMMARY INFO

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

SGW	Security Gateway Module	CAN-C				
DPDM	Driver Presence Detection Module	CAN-C				
DASM	Driver Assistance System Module	CAN-C				
IDCM	Integrated Dual Charge Module	CAN-C				
TBM2	Telematic Box Module 2	CAN-C				

ECU SUMMARY INFO (CONT...)

ECU	COUNTRY CODE	HARDWARE VERSION	SOFTWARE VERSION	IDENT	SERIAL NUMBER	CVNS
TCM	USA / USA					
PCM	USA					
RFH	USA / USA					
ESM	USA					
DTCM	USA					
ORC	USA					
EPS	USA					
HVAC	USA / USA					
IPC	USA					
SCCM	USA					
BCM	USA					
RADIO						
OCM	USA					
BPCM	Rest of world / ROW					
HCP	USA					
DSM	USA / USA					
AHCP	USA					
ABSO	USA					
SGW						
DPDM	USA					
DASM	USA					
IDCM	USA					
TBM2	USA					

DTC SUMMARY

ECU	DTC CODE	DTC DESCRIPTION	STATUS
TCM			Stored

ENVIRONMENTAL DATA SUMMARY

SessionID #

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TCM|

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

SNAPSHOT DATA SUMMARY

No Snapshot Data available for

Clutch Position Error

Dealer Procedure:

1. Collect Vehicle Scan Report (VSR) *done*
2. Collect the following KO Clutch Adaptation data using Witech:

Select DDE Group "Adaptive Clutch Values"

[REDACTED]	[REDACTED]	3
[REDACTED]	[REDACTED]	70
[REDACTED]	[REDACTED]	3
[REDACTED]	[REDACTED]	7PS
[REDACTED]	[REDACTED]	

3. Is the concern repeatable.

- i. If NO, skip to step 4.
- ii. If YES, Record details of maneuver (trans temp, driving scenario, grade, vehicle speed, gear, engine speed, accelerator pedal position)

[Include any other appropriate verbal description]

4. Perform a Transmission Standstill Adaptation using the Witech Routine:

- a. PHEV Quicklearn *drive learn*

5. Again, collect the same KO Clutch Adaptation data (from step 2) using Witech.

- a. Check that Clutch- KO - fast filling counter and Clutch- KO - filling counter are equal to one (1).

- i. If No, Repeat step 4
- ii. If Yes, Go to step 6

6. Turn the vehicle OFF. Let the vehicle go to complete sleep. Then turn vehicle back ON (Intention: Key Cycle)

7. Shift vehicle into M-Mode (Manual Mode) on shifter. Combustion engine should come ON. Drive for 1 min below 5 mph. Come to a stop and shift back to Drive mode and wait until combustion engine turns OFF (Intention: To get K0 closed and open)

8. Repeat step 7 two (2) more times.

9. Switch the vehicle into Electric Mode (EV -Mode). Shift into Drive and Keep brake ON. Wait 5 min in this configuration. (Intention: To get K0 adaptations in Drive). If the [REDACTED] sets during this step, then proceed using the current standard [REDACTED] diagnostic.

10. Collect Clutch- K0 - fast filling counter and Clutch- K0 - filling counter using Witech

a. If the counters are 3 or more then,

i. Confirm that Clutch- K0 - filling pressure [mbar] is below 550 mbar. STOP here and return the repaired vehicle to the customer.

ii. If the Clutch- K0 - filling pressure [mbar] is above 550 mbar, proceed using the current standard [REDACTED] diagnostic.

b. If the counter is lower than 3

i. Repeat Step 7 through Step 9.

ii. If counters are not increasing after 2 attempts, then, proceed using the current standard [REDACTED] diagnostic.

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SET [REDACTED] Clutch Position Error

Dealer Procedure:

1. Collect Vehicle Scan Report (VSR)
2. Collect the following K0 Clutch Adaptation data using Witech:

Select DDE Group "Adaptive Clutch Values"



3. Attempt to replicate the customer narrative.
 - a. Is the concern repeatable.
 - i. If NO, skip to step 4.
 - ii. If YES, Record details of maneuver (trans temp, driving scenario, grade, vehicle speed, gear, engine speed, accelerator pedal position)

[Include any other appropriate verbal description]
4. Perform a Transmission Standstill Adaptation using the Witech Routine
 - a. PHEV Quicklearn
5. Again, collect the same K0 Clutch Adaptation data (from step 2) using Witech.
 - a. Check that Clutch- K0 - fast filling counter and Clutch- K0 - filling counter are equal to one (1).
 - i. If No, Repeat step 4
 - ii. If Yes, Go to step 6
6. Turn the vehicle OFF. Let the vehicle go to complete sleep. Then turn vehicle back ON (Intention: Key Cycle)

7. Shift vehicle into M-Mode (Manual Mode) on shifter. Combustion engine should come ON. Drive for 1 min below 5 mph. Come to a stop and shift back to Drive mode and wait until combustion engine turns OFF (Intention: To get K0 closed and open)

8. Repeat step 7 two (2) more times.

9. Switch the vehicle into Electric Mode (EV -Mode). Shift into Drive and Keep brake ON. Wait 5 min in this configuration. (Intention: To get K0 adaptations in Drive). If the [REDACTED] sets during this step, then proceed using the current standard [REDACTED] diagnostic.

10. Collect Clutch- K0 - fast filling counter and Clutch- K0 - filling counter using Witech

a. If the counters are 3 or more then,

i. Confirm that Clutch- C0 - filling pressure [mbar] is below 550 mbar. STOP here and return the repaired vehicle to the customer.

ii. If the Clutch- C0 - filling pressure [mbar] is above 550 mbar, proceed using the current standard [REDACTED] diagnostic.

b. If the counter is lower than 3

i. Repeat Step 7 through Step 9.

ii. If counters are not increasing after 2 attempts, then, proceed using the current standard [REDACTED] diagnostic.

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