

Vehicle health check



MECH5

Health check done on: xx/xx/2015 15:xx

VIN: xxxxxxxxxxxxxxxxxxxxxx

Plate Number: **Not Registered**

ABS / ASC / DSC

Fault Codes

No fault codes were found

Parameters Snapshot

Notes:

This is a real time 53 page Vehicle Health Report generated by MECH5 from a 2012 Chrysler Jeep Grand Cherokee. Remote access to the car was gained via our own Bluetooth SCAN4, semi multiplexed, OBD dongle, with our own chipset and firmware. An Android smartphone was the carrier.

It clearly demonstrates that we reach ALL x 29 ECUs in this vehicle and access every single line of data - over 1600 in total.

By comparison, OBD generic (SAE J1979) derived systems can only reach x 1 ECU with about 100 lines of data

Parameter Name	Value
Accelerator Pedal Position	0.0 %
Brake pedal Status	Released
Brake pedal Status	Released
Brake Type Modifier	12
Breake type	Type 1
Drive Configuration	Selectable 4WD
Ignition Counter	3538
Initialization Complete	Passed
Lateral Acceleration	0.2 m/sec2
Longitudinal Acceleration	0.0 m/sec2
PCM Brake Switch	Brake Pedal Released
Primary Circuit Pressure	0 Bar
Rolls Complete	Passed
Sensor Calibration Complete	Passed
Status ESP-OFF	NO
Steering Angle Sensor	-20.0 °
Supply voltage Pump	13.2 V
Supply voltage valves	13.2 V
Suspension type	Type 4
Vacuum Sensor	6 mBar
Valve Relay Voltage	13.2 V
Vehicle speed	0 MPH

Wheel Speed Left Rear	0 MPH
Wheel Speed Left Rear	0 MPH
Wheel Speed Right Front	0 MPH
Wheel Speed Right Rear	0 MPH
Yaw Rate	0.00 °/s

ACC - ADAPTIVE CRUISE CONTROL

Fault Codes

Last scanned on: **Never scanned**

Parameters Snapshot

Parameter Name	Value
ACC Cruise Control Enabled (Ready)	False
ACC Display On Request	False
ACC is Cancelled by the Driver	False
ACC is engaged	False
ACC system override by the driver	False
Alignment Status	Not Active
Averaged Ambient Temperature	60 °F
Desired ACC Speed	0 MPH
Desired Distance	6 m
FCW Sensitivity Setting	Far
Forward collision warning	False
Ignition Switch Status	RUN Position
In-Plant Mode Status	Not In-Plant Mode
Misalignment Angle	-0.60 Degrees
Normal cruise mode	False
Number of turn	1.00 counts
Object of Interest Detected	False
Object of Interest Distance	254 m
PRND Status from Trans	Park
Rotation Direction	Left Turn

System disabled status	Default
System Voltage	13.2 V
Vehicle Speed	0 MPH

AHBM - AUTOMATIC HIGH BEAM

Fault Codes

B210D Battery voltage Low (Intermittent)

Parameters Snapshot

Parameter Name	Value
Auto High Beam Enable	ON
Auto High Beam Override	OFF
Automatic High Beam Active	NO
Calibration Status	Calibrated
Headlamp Switch Mode	Off position
High Beam	OFF
High Beam Duty Cycle	0.0 %
High beam lever state	OFF
High intensity discharge head lamps	Present
Horizontal Aim Position	Right
Horizontal Degrees From Nominal	0.8 Degrees
Ignition Switch Status	Ignition Run
Ignition Voltage	13.0 V
Left / Right Hand Drive	Right Hand Drive
Low Beam	OFF
Optical Horn	OFF
PRND Status 1	Park
System Voltage	13.2 V
Vehicle speed	0 MPH
Vertical Aim Position	Down
Vertical Degrees From Nominal	0.4 Degrees

AHLM - HEADLAMP LEVELING

Fault Codes

- B2199** Battery Voltage (Intermittent)
- B21DD** System Voltage Circuit (Intermittent)
Signal Below Allowable Range

Parameters Snapshot

Parameter Name	Value
Curb Front Sensor Value	1866 counts
Curb Rear Sensor Value	2042 counts
Current Front CAN Sensor Value	-3 mm
Current Rear CAN Sensor Value	8 mm
Engine RPM	0 RPM
HID Leveling Sensor Type	Network Sensors
High beam on	OFF
Ignition Switch Status	Ignition Run
Left / Right Hand Drive	Right Hand Drive
Low beam on	OFF
Odometer	34517 Miles
PRND Status	P
Stepper Motor Value	1 counts
Supply Voltage	12.9 V
System Voltage	13.2 V
Vehicle Speed	0 MPH

AIRBAG (SRS)

Fault Codes

No fault codes were found

Parameters Snapshot

Parameter Name	Value
1st Row Driver Anchor Pretensioner	Not Configured
1st Row Driver Retractor Pretensioner	Configured
1st Row Driver Seat Belt Buckle Pretensioner	Not Configured
1st Row Passenger Anchor Pretensioner	Not Configured
1st Row Passenger Retractor Pretensioner	Configured
1st Row Passenger Seat Belt Buckle Pretensioner	Not Configured
2 PP Actuators existing = 1	Not Configured
2nd Row Center Anchor Pretensioner	Not Configured
2nd Row Center Retractor Pretensioner	Not Configured
2nd Row Center Seat Belt Buckle Pretensioner	Not Configured
2nd Row Left Anchor Pretensioner	Not Configured
2nd Row Left Retractor Pretensioner	Not Configured
2nd Row Left Seat Belt Buckle Pretensioner	Not Configured
2nd Row Right Anchor Pretensioner	Not Configured
2nd Row Right Retractor Pretensioner	Not Configured
2nd Row Right Seat Belt Buckle Pretensioner	Not Configured
30° Crashfunction active = 1	Not Configured
30° Crashfunction only when unbelted = 1	Not Configured
3rd Row Center Anchor Pretensioner	Not Configured
3rd Row Center Retractor Pretensioner	Not Configured
3rd Row Center Seat Belt Buckle Pretensioner	Not Configured
3rd Row Left Anchor Pretensioner	Not Configured
3rd Row Left Retractor Pretensioner	Not Configured
3rd Row Left Seat Belt Buckle Pretensioner	Not Configured
3rd Row Right Anchor Pretensioner	Not Configured
3rd Row Right Retractor Pretensioner	Not Configured
3rd Row Right Seat Belt Buckle Pretensioner	Not Configured
Active Hood Present = 1	Not Configured
Airbag Off Lamp via CAN = 1	Not Configured
All buckle switches are simple switches = 1	Not Configured
All buckle switches hall effect = 1	Not Configured
All buckle switches resistive coded = 1	Not Configured

Analogue Crashoutput existing = 1	Not Configured
B-Pillar gSats/Sliding Door gSats present =1	Configured
CAH Driver present = 1	Configured
CAH Passenger present = 1	Configured
Check: Control unit Key No = Key No. received on CAN (perform test = 1)	Not Configured
Check: Perform Algorithm Parameter Set plausibility check on CAN = 1	Not Configured
Check: RHD/LHD options = CAN message (on = 1)	Not Configured
Curtain Bags left and right present = 1	Configured
DAD Switch	Not Configured
Default value Weight class of the passenger. Currently 11 for Class 3 (DCS Only)	Configured
Digital Crashoutput/TeleAid Existing = 1	Not Configured
Disposal Firing Driver belted on = 1	Not Configured
Disposal Firing Driver unbelted on = 1	Not Configured
Disposal Firing Passenger belted on = 1	Not Configured
Disposal Firing Passenger unbelted on = 1	Not Configured
DOC Disable Switch	Not Configured
Driver Airbag Squib#1	3.13 Ohms
Driver Airbag Squib#2	3.17 Ohms
Driver Bag 1st and 2nd stage present = 1	Configured
Driver buckle HW input present = 1	Configured
Driver Inflatable Knee Bolster	2.78 Ohms
Driver Knee Bag present = 1	Configured
Driver Seat Track Position Sensor	Not Configured
ECSs present = 1	Not Configured
Front Door pSats present =1	Configured
g-Sats at C-Pillar existing = 1	Configured
Hood Sensors Present = 1	Not Configured
Knee Bolster Passenger	Not Configured
Left Inflatable Curtain Squib#1	2.62 Ohms
Left Inflatable Curtain Squib#2	0.00 Ohms
Left Side Thorax Squib 1	Configured
LIN Crashoutput existing =1	Not Configured
Occupant Detection Sensor	Configured
PAD Switch	Not Configured

PAD-Lamp ON at Weight Class 0 = 1	Not Configured
Passenger Airbag Squib#1	2.54 Ohms
Passenger Airbag Squib#2	2.58 Ohms
Passenger Bag 1st and 2nd stage present = 1	Configured
Passenger buckle HW input present = 1	Configured
Passenger Frontal Airbag Squib	Configured
Passenger OCM (Bussed)	Not Configured
Passenger Seat Track Position Sensor	Not Configured
Pelvis Bag Driver Existing = 1	Not Configured
Pelvis Bag Passenger Existing = 1	Not Configured
Pyro Fuse present = 1	Not Configured
Rear Door pSats/C-Pillar gSats present = 1	Not Configured
Rear Sidebags left and right present = 1	Not Configured
RHD vehicle = 1	Not Configured
Right Inflatable Curtain Squib#1	2.66 Ohms
Right Inflatable Curtain Squib#2	0.00 Ohms
Right Side Thorax Squib 1	Configured
Rollover Algorithm	Configured
Seat belt pretensioner trigger impact side for a side crash (enabled = 1)	Not Configured
Seat belt pretensioner trigger non-impact side for a side crash (enabled = 1)	Not Configured
Seat belt reminder; 0:disabled, 1:enabled	Configured
Seat mat components, passenger	IEE Body Sense
Venthole Driver Existing = 1	Not Configured
Venthole Passenger Existing = 1	Not Configured

AMP - HI-FI AMPLIFIER

Fault Codes

B210A System voltage low (Unknown)

Parameters Snapshot

Parameter Name	Value
Accessory Delay is Active	YES

Audio Level	0 Level
Balance Level	Neutral
Bass Range Level	Neutral
Battery Voltage	12.8 V
Cabin Equalization Curve Number	76
Cabin Equalization Curve Number	4C
Convertible Top Switch Request	?
Current EQ Checksum	00023772
Current EQ Timestamp M/D/Y	?
Engine RPM	0 RPM
Fade Level	Neutral
Head Unit Audio Mode	N/A
Head Unit Audio Mode 2	?
Load Shedding Levels	?
Mid Range Level	Neutral
Navigation Audio is Active	False
Odometer	55584.4 km
Radio is in Hands Free Mode	False
Smart Accessory Delay is Active	YES
Sub-EQ Set Selected	Sub-EQ#0 Selected
System Voltage	13.2 V
Treble Range Level	Neutral
Vehicle Configuration#1 Status	Programmed
Vehicle Configuration#2 Status	Programmed
Vehicle Configuration#3 Status	Not Programmed
Vehicle Speed	0.00 Km/h
VES Media Status	?
Volume of EQ Beeps and Continuous Tone	15.0 Level

ASCM - AIR SUSPENSION CONTROL MODULE

Fault Codes

C2129 Battery Voltage (Intermittent)

Circuit Voltage below threshold

C212A System Voltage (**Intermittent**)

Signal Below Allowable Range

Parameters Snapshot

Parameter Name	Value
"Compressor Cooling Down: Pleaase Wait" Cluster Message	OFF
"Compressor Running" Cluster Message	OFF
"Door Open, Vehicle Does Not Lower" Cluster Message	OFF
"Level Not Permitted" Cluster Message	OFF
"Limited Functionality Due to System Fault (Yellow Lamp)" Cluster Message	OFF
"Lowering" Cluster Message	OFF
"Permanent Static System Fault" Cluster Message	OFF
"Raising" Cluster Message	OFF
"raising/Lowering Interrupted" Cluster Message	OFF
"Reduce Speed" Cluster Message	OFF
"Service Air Ssuspension, See Dealer Now (Red Lamp)" Cluster Message	OFF
"Service Air Suspension Msg" Cluster Message	OFF
"System Disabled (Tire Jack Mode)" Cluster Message	OFF
"System Temporarily Not Available" Cluster Message	OFF
Acel Pedal Position	0.0 %
All Terrain Switch Status	Automatic Mode / AUTO
Ambient Air Temperature	68 °F
Average Ambient Air Temperature	60 °F
Barometric Pressure	14.6 PSI
Battery Voltage	13.1 V
Brake Torque	0.0 N.m
BUX Intrusión Alarm	Not present
Compressor Temp Sensor Voltage	1.49 V
Compressor Temperature	64 °F
Current Gear	Current gear "P" / P
Dealership Service Competed	YES
Delta Steering Angle	0 Degrees
Driver Door Ajar	Closed

Engine Coolant Temperature	37 °C
Engine RPM	0 RPM
Engine Torque	39.2 N.m
Flipper Glass Ajar	Closed
Hood Ajar	Open (Ajar)
In-Plant Service Completed	YES
Intake Air Temperature	38 °C
IOD Fuse Status	In
Left Front Calibrated Height	100 mm
Left Front Calibration Offset	245.0 mm
Left Front Level	-1 mm
Left Front Level Adjust	OFF
Left Front Ride Height Sensor	-1.0 mm
Left Front Ride Height Solenoid Duty Cycle	47 %
Left Rear Calibrated Height	66 mm
Left Rear Calibration Offset	18.0 mm
Left Rear Door Ajar	Closed
Left Rear Level	4 mm
Left Rear Level Adjust	OFF
Left Rear Ride Height Sensor	4.0 mm
Left Rear Ride Height Solenoid Duty Cycle	53 %
Left/Right Hand Drive	Right Hand Drive
Level calibration accomplished	YES
Level Calibration Completed	YES
Level Down Button	Not Pressed
Level Status	Standard Vehicle Level
Level UP Button	Not Pressed
Loading Level	Loading not identified
Normal Ride Height LED	LED Continuosly ON
Odometer	34537 Miles
Off-Road 1 LED	LED Off
Off-Road 2 LED	LED Off
Park Mode LED	LED Off
Passenger Door Ajar	Closed
Pressure Sensor Voltage	1.86 V

Pressure Vent Valve	OFF
Read Stored Calibration Values Permanent Status	YES
Reverse Valve 1 Output	OFF
Reverse Valve 2 Output	OFF
Reverse Valve Control	ON
Right Front Calibrated Height	85 mm
Right Front Calibration Offset	10.0 mm
Right Front Level	-3 mm
Right Front Level Adjust	OFF
Right Front Ride Height Sensor	-3.0 mm
Right Front Ride Height Solenoid Duty Cycle	47 %
Right Rear Calibrated Height	63 mm
Right Rear Calibration Offset	17.0 mm
Right Rear Door Ajar	Closed
Right Rear Level	7 mm
Right Rear Level Adjust	OFF
Right Rear Ride Height Sensor	7.0 mm
Right Rear Ride Height Solenoid Duty Cycle	48 %
RR & Pressure Sensor 5V Supply 2	4.98 V
Start Type	Not Active
Steering Angle	-20 Degrees
Steering Sensor Status	OK
Suspension Type	AMS BUX Air Suspension
System Pressure	7.82 bar
Target Status	Standard Vehicle Level
Tcase Status (Range)	Shift in progress
Torque Reduction Factor	1.01
Trunk/Lifgate Door Ajar	Closed
Vehicle Speed	0 MPH

BSM - BLIND SPOT MODULE

Fault Codes

- B2199** Battery Voltage (Intermittent)
- B21DD** System Voltage Circuit (Intermittent)
Signal Below Allowable Range

Parameters Snapshot

Parameter Name	Value
IOD Fuse	In
Left Turn Indication is On	NO
Odometer	34517 Miles
PRND Status	P
Reverse Gear (Manual Trans)	NO
Right Turn Indicator is On	NO
System Voltage	18.3 V
Transmission Type	Automatic
Vehicle Speed	0 MPH

CGW - CENTRAL GATEWAY

Fault Codes

- P0693** Cooling Fan 2 Control Circuit Low (Unknown)

Parameters Snapshot

Parameter Name	Value
A/C Clutch Sense	Open
AC Clutch	OFF
AC Refrigerant Pressure	5.5 bar
AC Refrigerant Pressure Voltage	0.80 V
Activate PTC Relay #1	NO
Activate PTC Relay #2	NO
Activate PTC Relay #3	NO
All Doors Lock	OFF
Ambient Temperature Degrees	68 °F
Ambient Temperature Voltage	2.78 V

Auto Headlamp On Request	ON
Auto High Beam	ON
Auto High Beam Actuated	NO
Battery Voltage	13.17 V
Blower Motor Power Supply	ON
Brake Fluid Level	Normal
Brake Switch Sense	Not Pressed
Charging System Failure	NO
Coolant Temperature	37 °C
Cruise Engaged	NO
Diesel Cabin Heater 1	OFF
Diesel Cabin Heater 2	OFF
Diesel Cabin Heater 3	OFF
Driver Door Lock Switch	Not Pressed
Driver Door Unlock Switch	Not Pressed
Electric Backlite Request	OFF
Engine RPM	0 RPM
Engine System Voltage	13.28 V
ESP Brake Pedal Depressed	Not Operated
ESP OFF Button Pressed	NO
Flipper Glass Ajar Switch	Closed
Flipper Glass Release Motor	OFF
Flipper Glass Release Switch	Inactive
Flipper Glass Release Switch Voltage	2.13 V
Front Fog Lamps	OFF
Front Fog Request	ON
Front Washer Request	OFF
Front Wiper High	OFF
Front Wiper Low	OFF
Front Wiper Mist Request	OFF
Front Wiper Park Switch Sense	Parked
Front Wiper Switch	Intermittent 3
Fuel Level Sense 1	2.54 V
Fuel Level Sense 2	4.44 V
Fuel Type	Diesel

Hazard Switch	Not Pressed
Headlamp Level Request	Level 0 - 100% of battery voltage
Headlamp Switch	Off position
Headlamp Wash	OFF
High Beam Duty Cycle	0.0 %
High Beam Steady Status Request	OFF
Hood Ajar Switch	Ajar
Hood Ajar Switch Voltage	0.00 V
Horn	OFF
Horn Request	OFF
Ignition RUN 1	ON
Ignition RUN/ACC 1	ON
Ignition RUN/ACC 2	ON
Ignition RUN/START 1	ON
Ignition Switch Status	Run / start
Ignition Switch Status	RUN position
Ignition Unlock/Run/Start NGC Feed	OFF
Impact Event Occured	NO
Impact Toggle Bit	NO
IOD Sense	Closed
ITM Indicator Request	OFF
ITM Motor Disable	Disabled
ITM Status	Disarmed
Key in Ignition	YES
Left DRL Relay Control	ON
Left Front Door Ajar Switch	Closed
Left Front Door Unlock	OFF
Left Front Turn Lamp	OFF
Left High Beam	OFF
Left High Beam Duty Cycle	0.0 %
Left Low Beam Duty Cycle	0.0 %
Left Low Beam/HID	OFF
Left Rear Door Ajar Switch	Closed
Left rear Park Lamps and Trailer Tow	OFF
Left Rear Stop/Turn Signal	OFF

Left Tail/Lic/Running, Front Park/Side Marker Lamp	OFF
Left Turn Signal Request	OFF
Liftgate or Trunk Ajar Switch	Closed
Low Coolant Level	Low
MIL ON Request	YES
OIL Indicator Lamp Request	YES
Optical Horn Request	OFF
Output Shaft Speed	65535 RPM
Panic Mode Active	NO
Park Brake Switch Engaged	NO
Passenger Door Lock Switch	Not Pressed
Passenger Door Unlock Switch	Not Pressed
Passenger Door(s) Unlock	OFF
PCM Brake Switch Status	Not Operated
PRND Status	Park
Rad Fan #1 Duty Cycle	0.0 %
Rad Fan #2 Duty Cycle	0.0 %
Radiator Fan 1	0.0 %
Radiator Fan 2	0.0 %
Rain Sensor Wiper Request	OFF
Rear Fog Request	OFF
Rear Washer Request	OFF
Rear Wiper	OFF
Rear Wiper Park Signal	Parked
Rear Wiper Switch	OFF
Reverse Lamps	OFF
Right DRL Relay Control	ON
Right Front Door Ajar Switch	Closed
Right Front Turn Lamp	OFF
Right High Beam	OFF
Right High Beam Duty Cycle	0.0 %
Right Low Beam Duty Cycle	0.0 %
Right Low Beam/HID	OFF
Right Park Lamps	OFF
Right Rear Door Ajar Switch	Closed

Right Rear Stop/Turn Signal	OFF
Right Tail/Lic/Running, Front Park/Side Marker Lamp	OFF
Right Turn Signal Request	OFF
RKE Complex Function Request	No Complex RKE
Shift Lever Position	Lever in Position "P"
Starter Motor Running	NO
Starter/ATX Solenoid	OFF
Stop/CHMSL Lamp	OFF
Switched Battery Voltage 1	13.1 V
Switched Battery Voltage 2	13.3 V
Switched Battery Voltage 3	13.3 V
Thatchum Lock Motor Relay Coil	OFF
Thatchum Un-Lock Motor Relay Coil	OFF
TPM Horn Chirp	OFF
TPM Horn Chirp Request	OFF
Transmission	OFF
Transmission Relay Sense	Closed
Transmission Type	Automatic
Tthrottle Pedal Position	0 %
Valid key SKIM	Present
Vehicle Speed	0 Mph
Washer Fluid Level	Normal
Washer Fluid Level Voltage	1.29 V
Washer Fluid Level Voltage	1.70 V
Washer Motor State	OFF
WTS Lamp Status	OFF

DCM-FL - DOOR CONTROL MODULE FRONT LEFT

Fault Codes

B21DD System Voltage Circuit (Intermittent)
Signal Below Allowable Range

Parameters Snapshot

Parameter Name	Value
Accesory Delay Active	YES
Average Ambient Temperature	59 °F
Battery Volt Sense	13.20 V
BSM State	OFF
Child Security Lock Inactive (Right Hand Drive)	YES
Configuration Door Lamp	Dimmable Courtesy Lamp
Courtesy Lamp On	NO
Courtesy Lamp State	OFF
Driver Door Ajar	Closed
EC Mirror Output Sense	0.0 V
EC Mirror State	OFF
EC Mirror Supply Sense	0
Electric Backlite Status	NO
Heated Mirrors	YES
Ignition Switch Status	RUN position
IOD Fuse Out	NO
Key in Ignition	YES
Left Turn Signal On	NO
Lock/Unlock switch voltage	11.91 V
Memory Recall	None
Memory Set	None
Memory Switch Configuration	On Door
Mirror Fold Motor Back Current	0.00
Mirror Fold Request	Not Pressed
Mirror Heat State	OFF
Mirror Switch Attached	YES
Move Left Mirror Down	NO
Move Left Mirror Left	NO
Move Left Mirror Right	NO
Move Left Mirror Up	NO
Odometer	34517 Miles
Passenger Door Ajar	Closed

Power Folding Mirrors	YES
Puddle Lamp State	OFF
Right Turn Signal On	NO
Smart Accesory Delay Active	YES
Switch Illumination State	ON
Switches are Dimmable	YES
System Voltage	13.3 V
Time Since Last Ignition On	0 Minutes
Voltage Battery	13.20 V
Window Current Sense (Down)	0 A
Window Current Sense (Up)	0 A
Window Express Feature Configuration	Front only
Window Hall Sensor	OFF
Window Motion Status	Inactive
Window Motor State	Inactive
Window Output Sense - Down	0
Window Output Sense - Up	0
Window Position Present	64 Counter

DCM-FR - DOOR CONTROL MODULE FRONT RIGHT

Fault Codes

B21DD System Voltage Circuit (**Intermittent**)
Signal Below Allowable Range

Parameters Snapshot

Parameter Name	Value
Accesory Delay Active	YES
Average Ambient Temperature	59 °F
Battery Volt Sense	13.13 V
BSM State	OFF
Child Security Lock Inactive (Right Hand Drive)	NO
Courtesy Lamp On	YES

Door Lock Switch	Not Request
Driver Door Ajar	Closed
EC Mirror Output Sense	0.00 V
EC Mirror State	OFF
EC Mirror Supply Sense	0
Electric Backlite Status	NO
Heated Mirrors	YES
Ignition Switch Status	RUN position
IOD Fuse Out	NO
Key in Ignition	YES
Left Turn Signal On	NO
Lock/Unlock switch voltage	11.85 V
Memory Recall	None
Memory Set	None
Mirror Adjustment Switch Pressed Down	NO
Mirror Adjustment Switch Pressed Left	NO
Mirror Adjustment Switch Pressed Right	NO
Mirror Adjustment Switch Pressed Up	NO
Mirror Circuit IOD Detected	NO
Mirror Fold Motor Back Current	0.00
Mirror Fold Switch Pressed	NO
Mirror Heat State	OFF
Mirror Left LED State	LED Off
Mirror Right LED State	LED Off
Mirror Select Switch	None
Mirror Switch Attached	YES
Move Left Mirror Down	NO
Move Left Mirror Left	NO
Move Left Mirror Right	NO
Move Left Mirror Up	NO
Odometer	3451 Miles
Passenger Door Ajar	Closed
Power Window Adjustment - Front Left	Not Pressed
Power Window Adjustment - Front Right	Not Pressed
Power Window Adjustment - Rear Left	Not Pressed

Power Window Adjustment - Rear Right	Not Pressed
Power Window Driver Switch	Not Pressed
Puddle Lamp State	OFF
Right Turn Signal On	NO
Smart Accesory Delay Active	YES
Switch Illimination State	OFF
Switches are Dimmable	YES
System Voltage	13.3 V
Time Since Last Ignition On	0 Minutes
Voltage Battery	13.13 V
Window Current Sense (Down)	0 A
Window Current Sense (Up)	0 A
Window Hall Sensor	OFF
Window Lockout Switch Request	NO
Window Motor State	Inactive
Window Output Sense - Down	0
Window Output Sense - Up	0

DTCM - DRIVE TRAIN CONTROL MODULE

Fault Codes

No fault codes were found

Parameters Snapshot

Parameter Name	Value
Axle Ratio	3.4
Battery #1 Voltage	13.3 V
Brake Pedal	Not Operated
Center Differential Actual Mode	Limit Max Control
Drive train Sensor Supply Voaltage	4.97 V
ELSD Actual Locking Torque	0 Nm
ELSD System State	Rear ELSD Initializing
ELSD Torque Availability Percentage	0 %

Engine RPM	0 RPM
ESP Disable	Enabled
ESP Fault Indicator Lamp Flashing Request	OFF
ESP Fault Indicator Lamp Request	OFF
ESP Fault Indicator Lamp Steady State Request	OFF
ESP Requested Center (T-Case) Differential State	FDCM Control
ESP Requested Front Differential State	FDCM Control
ESP Requested Rear Differential State	FDCM Control
Front Differential Actual Mode	SNA
Front Differential Solenoid Duty Cycle	0 %
Ignition Run (KL_15) Active for CAN C	ON
Ignition Start Active for CAN C (KL_50)	OFF
Ignition Switch State	ON
Left/Right Hand Drive	Right Hand Drive
Longitudinal Acceleration	0.00 m/s ²
Rear Differential Actual Mode	Limit Max Control
Rear Differential Solenoid Duty Cycle	0 %
T-Case Motor Current	0.00 A
T-Case Position Current Voltage	3.33 V
T-Case Position Sensor Voltage	2.50 V
T-Case Service Indicator Request	NO
T-Case Status	Auto (AWD)
T-Case Type	Transfer case 256-3022
Terrain Mode Request	Not Pressed
Terrain Switch Position Request	AUTO
Transfer Case 4WD / Lock / Part Time Lamp Request	OFF
Transfer Case AWD / Auto / Full Time Lamp Request	ON
Transfer Case Low Lamp Request	OFF
Transfer Case Neutral Lamp Request	OFF
Transfer Case Shift Inhibited	NO
Transmission Fluid Temperature	98 °F
Vehicle Lateral Acceleration at COG	0.24 m/s ²
Vehicle Speed	0 Mph
Wheel Speed Front Left	0.0 RPM
Wheel Speed Front Right	0.0 RPM

Wheel Speed Rear Left	0.0 RPM
Wheel Speed Rear Right	0.0 RPM

ELSD - ELECTRONIC LIMITED SLIP DIFFERENTIAL

Fault Codes

No fault codes were found

Parameters Snapshot

Parameter Name	Value
Actual Servo Motor Current	-0.42 A
Actual Servo Motor Position	-20 Deg
Actual State Of Magnetic Brake	Not Active
Actual Torque	0 Nm
Adjusted Torque	0 Nm
Baseline Clutch Wear	294.0 Degree
Battery Voltage	12.6 V
Clutch Adaptative Status	Valid
Clutch Temperature	64 °F
Clutch Wear Adaptative Rate of Change	1122 Degree
ELSD System State	Initialization
Engine RPM	0 RPM
Ignition Off Time	0 Minutes
Left Rear Wheel Speed	0.0 RPM
Odometer	34517 Miles
Outside Temperature	57 °F
Quicklearn State	Inactive
Requested Servo Motor Current	-0.42 A
Requested Servo Motor Position	-20 Deg
Requested State Of Magnetic Brake	Not Active
Requested torque	0 Nm
Right Rear Wheel Speed	0.0 RPM
Servo Motor Temperature	64 °F

Torque Availability Percentage

0 %

EPS - ELECTRONIC POWER STEERING

Fault Codes

C212A System Voltage (Intermittent)
Signal Below Allowable Range

Parameters Snapshot

Parameter Name	Value
CAN Battery Voltage	13.3 V
CAN Delta steering wheel angle	0.0 Degree/sec
CAN Engine State	Stopped
CAN Ignition Status	RUN position
CAN IOD Fuse Out	False
CAN Odometer	34517 Miles
CAN Steering Wheel Angle	-20.0 Degrees
CAN Vehicle speed	0 Mph
EPS Commanded Motor Speed	0 RPM
EPS Configuration Type	WK/SDE/Diesel
EPS Earning Display Request	ESP Function Active / OK
EPS Internal Filtered Steering Rate	0 Degree/sec
EPS Internal Filtered Vehicle Speed	0 Mph
EPS Measured Module Temperature	21 °C
EPS Measured Module Voltage	13.3 V
EPS Measured Motor Phase Current	0 A
EPS Measured Motor Speed	0 RPM

ESM - ELECTRONIC SELECTOR MODULE

Fault Codes

No fault codes were found

Parameters Snapshot

Parameter Name	Value
Autostick Downshift	OFF
Autostick Downshift Voltage	4.50 V
Autostick Upshift	OFF
Autostick Upshift Voltage	4.50 V
Brake Switch	OFF
BTSI Solenoid	OFF
DCX Flash Reprogramming Requirements Version	Flash Reprogramming V3.0
DCX KWP2000 Requirements Version	KWP2000 V2.2
Development Data - CAN Driver Version	5169325
Development Data - DBKOM Version	150601605
Development Data - Diagnostic Version	2570405
Development Data - Microcontroller	HC08
Development Data - NM Version	150601605
Development Data - Transport Layer Version	4104425
Development Data - VMM Version	66460825
Development Data (Minor Version Tracking) - CAN Driver Minor Version	165
Development Data (Minor Version Tracking) - DBKOM Minor Version	25707
Development Data (Minor Version Tracking) - Diagnostic Minor Version	935
Development Data (Minor Version Tracking) - NM Minor Version	25707
Development Data (Minor Version Tracking) - Transport Layer Minor Version	1487
Development Data (Minor Version Tracking) - VMM Minor Version	"
Diagnostic Version	30FF
ECU Boot Software Identification - # of Modules	0102
ECU Boot Software Identification - Diagnostic Version	30FF
ECU Boot Software Identification - ECU Origin	DCA
ECU Boot Software Identification - Production / Development Switch	Development
ECU Boot Software Identification - Software (Boot) Part Number	7996780
ECU Boot Software Identification - Software Version (Major/Middle/Minor)	00010320
ECU Boot Software Identification - Supplier ID	GHSP

ECU Boot Software Identification - Variant ID	LX - EWM
ECU Code Fingerprint - # of Active Logical Blocks	FFFF
ECU Code Fingerprint - # of Modules	FFFF
ECU Code Fingerprint - Programming Date (Year/Month/Day)	161102565
ECU Code Fingerprint - Tester Serial Number	FFFFFFFF
ECU Code Fingerprint - Tool Supplier ID	FFFF
ECU Code Software Identification - # of Modules	0102
ECU Code Software Identification - Diagnostic Version	30FF
ECU Code Software Identification - ECU Origin	DCA
ECU Code Software Identification - Production / Development Switch	Development
ECU Code Software Identification - Software (Code) Part Number	7996780
ECU Code Software Identification - Software Version (Major/Middle/Minor)	00020120
ECU Code Software Identification - Supplier ID	GHSP
ECU Code Software Identification - Variant ID	LX - EWM
ECU Diagnostic Level Supported	04
ECU Origin	DCA
ECU Part Number	00024681AA
Hardware Version (Major/Minor)	A0
Ignition in Run Position	False
Ignition in Run-Start Position	False
Ignition Off Active for CAN C	False
Ignition Voltage	14.7 V
Key in Ignition	False
Optical Sensor 1	OFF
Optical Sensor 2	OFF
Optical Sensor 3	OFF
Optical Sensor 4	OFF
Production / Development Switch	Development
Serial Number	SFFG1020205521
Shift Lever Position	+
Shift Lever Position	P
Software Version (Major/Middle/Minor)	00020130
Supplier ID	GHSP
Variant ID	LX - EWM
Vehicle Information - Body Style	Station Wagon

Vehicle Information - Country Code	Japan
Vehicle Information - Model Year	4755
Vehicle Information - Vehicle Line	WK
VIN (Current)	
VIN (Original)	

HSM - HEATED SEAT MODULE

Fault Codes

B210C Battery Voltage Input Circuit/Performance (**Intermittent**)

B21DD System Voltage Circuit (**Intermittent**)

Signal Below Allowable Range

Parameters Snapshot

Parameter Name	Value
All Leather Heated Steering Wheel Present	False
Ambient Temperature AVERAGE	60 °F
Configuration Message Status	Programmed
Engine RPM	0 RPM
Front Left Vent Request Status - W Series	Not Pressed
Front Right Vent Request Status - W Series	Not Pressed
Heated Steering Wheel Setting	Not Activated
Heated Steering Wheel Temperature in Range	YES
Ignition Switch Status	RUN position
Left Front Heated Seat Current Sense	0 A
Left Front Heated Seat Setting	Not Activated
Left Front Heated Seat Switch	Not Pressed
Left Front Heated Seat Temperature in Range	YES
Left Front Seat Temperature	70 °F
Left Front Vented Seat Current Sense	0 A
Left Front Vented Seat Setting	Not activated
Left Front Vented Seat Voltage Feedback	0.3 V
Left Rear Heated Seat Current Sense	0 A
Left Rear Heated Seat Setting	Not Activated

Left Rear Heated Seat Temperature in Range	YES
Left Rear Heater Request Switch	Not Pressed
Left Rear Seat Temperature	69 °F
Left Rear Switch pressed in this IGN cycle	NO
Right Front Heated Seat Setting	Not Activated
Right Front Heated Seat Current Sense	0 A
Right Front Heated Seat Switch	Not Pressed
Right Front Heated Seat Temperature in Range	YES
Right Front Seat Temperature	73 °F
Right Front Vented Seat Current Sense	0 A
Right Front Vented Seat Setting	Not Activated
Right Front Vented Seat Voltage Feedback	0.3 V
Right Rear Heated Seat Setting	Not Activated
Right Rear Heated Seat Current Sense	0 A
Right Rear Heated Seat Temperature in Range	YES
Right Rear Heater Request Switch	Not Pressed
Right Rear Seat Temperature	69 °F
Right Rear Switch pressed in this IGN cycle	NO
Steering Wheel Current Sense	0 A
Steering Wheel Request Status	OFF
Steering Wheel Temp Sensor Fault	Normal operation
Steering Wheel Temperature	75 °F
System Voltage	13.2 V

HVAC - HEATING VENTILATION AIR CONDITIONING

Fault Codes

No fault codes were found

Parameters Snapshot

Parameter Name	Value
A/C Clutch Request	OFF
A/C selection	OFF

AC Clutch Engaged	Not Engaged
AC Evaporator Temperature	23 °F
AC Refrigerant Pressure 1	5.5 bar
Ambient Temperature (Unfiltered Value)	68 °F
Auto selection	OFF
Automatic Temperature Control HVAC	Programmed
Average Ambient Temperature	58 °F
Averaged Ambient Temperature	59 °F
Battery Voltage	13.2 V
Battery Voltage	13.2 V
Defrost Mode Selection	OFF
Defrost Selected	OFF
EBL selection	OFF
Engine Coolant Temperature	98 °F
Evap Sensor Temp	80 °F
Evap Sensor Voltage	1.07 V
Evaporator Temperature Target	86 °F
Front Blower Selected Speed	OFF
Front Blower Speed PWM Value	0
Front Mode 1 Actuator Actual Position	54.5
Front Mode 1 Actuator Target Position	54.9
Front Mode Selected State	Defrost
Left Ambient Light Sensor (Twilight)	4.09 V
Left Heated Seat Selection	OFF
Left Solar Sensor Light Intensity	0
Left Solar Sensor Voltage	4.66 V
Left Ventilated Seat Selection	OFF
Left/Main Temp Down Switch	Not Pressed
Left/Main Temp Up Switch	Not Pressed
Main/Left Selected Temperature	70 F
Main/Left Temp Actuator Actual Position	0.0
Main/Left Temp Actuator Target Position	0.0
Power On selection	OFF
PTC Relay #1 Status	OFF
PTC Relay #2 Status	OFF

PTC Relay #3 Status	OFF
Recirc Actuator Actual Position	99.9
Recirc Actuator Target Position	99.9
Recirc selection	OFF
Right Heated Seat Selection	OFF
Right Selected Temperature	69 F
Right Solar Sensor Light Intensity	0
Right Solar Sensor Voltage	4.66 V
Right Temp Actuator Actual Position	0.00 %
Right Temp Actuator Target Position	0.00 %
Right Temp Down Switch	Not Pressed
Right Temp Up Switch	Not Pressed
Right Ventilated Seat Selection	OFF
Twilight Sensor Light Intensity	101 lux
Twilight Sensor Voltage	4.58 V

ITM - INTRUSION TRANSCIEVER MODULE

Fault Codes

Last scanned on: **Never scanned**

Parameters Snapshot

Parameter Name	Value
5 seconds alarm delay	NO
Alarm Trigger 1 Ignition Counter	93
Alarm Trigger 1 Parameter	Tilt Triggered
Alarm Trigger 2 Ignition Counter	255
Alarm Trigger 2 Parameter	Tilt Triggered
Alarm Trigger 3 Ignition Counter	255
Alarm Trigger 3 Parameter	Tilt Triggered
Alarm Trigger 4 Ignition Counter	255
Alarm Trigger 4 Parameter	Tilt Triggered
Alarm Trigger 5 Ignition Counter	255

Alarm Trigger 5 Parameter	Tilt Triggered
Alarm Trigger 6 Ignition Counter	255
Alarm Trigger 6 Parameter	Tilt Triggered
Alarm Trigger 7 Ignition Counter	255
Alarm Trigger 7 Parameter	Tilt Triggered
Alarm Trigger 8 Ignition Counter	255
Alarm Trigger 8 Parameter	Tilt Triggered
Battery Voltage	13.1 V
Ignition Status	RUN Position
ITM indicator request	NO
ITM motion detection disabled	NO
ITM Status	Disarmed
Last VIN learned Results	Successful - Test passed.
Lock out 1 minute	NO
Motion detection disable request	NO
Odometer	34535 Miles
Siren Battery Voltage	13.35 V
Siren Status	Disarmed
System Parameter Programmed	YES
System Voltage	13.20 V
Vehicle Configuration 1 Message	Programmed
VIN Learnead FLag	YES
VTA Status	Disarmed

MIC/CCN - MECHANICAL INSTRUMENT CLUSTER

Fault Codes

No fault codes were found

Parameters Snapshot

Parameter Name	Value
4WD Switch Status	Short High
4WD Switch Voltage	0.00 V

ABS Present	Set
ASR Present	Set
Auto Headlamp Present	Set
BAS Present	Set
Counter - Cfg Data Updates	165
Counter - Cfg Resets (\$31 \$07)	165
ESP Present	Set
Exterior Lighting Switch Status	OFF
Exterior Lighting Switch Voltage	3.68 V
Fuel Capacity	93 L
Interior Lighting Dimmer Switch Status	Dim 6
Interior Lighting Dimmer Switch Voltage	1.90 V
Lock - Original Cfg Data	True
Lock - Original VIN	True
Odometer - Last Cfg Data Update	0 Miles
Programmed ECUs: CCN LIN Network - ECU 1	RCM
Programmed ECUs: CCN LIN Network - ECU 10	--
Programmed ECUs: CCN LIN Network - ECU 2	N/A
Programmed ECUs: CCN LIN Network - ECU 3	N/A
Programmed ECUs: CCN LIN Network - ECU 4	--
Programmed ECUs: CCN LIN Network - ECU 5	--
Programmed ECUs: CCN LIN Network - ECU 6	--
Programmed ECUs: CCN LIN Network - ECU 7	--
Programmed ECUs: CCN LIN Network - ECU 8	--
Programmed ECUs: CCN LIN Network - ECU 9	--
Programmed Status	True
Remote Radio Switch Position	Mode
Remote Radio Switch Voltage	0.00 V
RKE Present	Set
SKIM Present	Set
TPM Premium Present	Set
TPM Present	Set

MSM - MEMORY SEAT / MEMORY HEATED SEAT

Fault Codes

B210A System voltage low (Intermittent)

B210D Battery voltage Low (Intermittent)

Parameters Snapshot

Parameter Name	Value
CCN Driver Seatbelt Status	Not fastened
Cruise System is Controlling Speed	NO
Destandardization Reasons	Diagnostic
Eeasy Exit Seat	Not set
Entry/Exit Support Active	Not set
Front hard stop	32356 counts
Horizontal Adjustment Seat Forward	Not Pressed
Horizontal Adjustment Seat Reverse	Not Pressed
Ignition Switch Status	N/A
Key Fob Memory Profile Assignment	No Fobs Linked to a Memory Profile
Learned seat travel	754 counts
Left/Right Hand Drive	Right Hand Drive
Measured Voltage	13.10 V
Memory Recall #1 is Pressed	NO
Memory Recall #2 is Pressed	NO
Memory Recall S-Button is Pressed	NO
Memory Recall Status	Memory Enabled
Memory Set Status	Memory profile 1 and 2 set
Panic Mode	False
PRNDL Display Request	Park
Quantity of Key Fobs Linked to Memory	No Key Fobs Linked to Memory
Rear hard stop	33110 counts
Recliner Forward	Not Pressed
Recliner Reverse	Not Pressed
Remote Linked to Memory	Set

Remotes Linked to Memory	Set
RKE FOB Number Requesting Event	No FOB
SKIM Key Number in Ignition	No FOB
Steering Wheel Rearward	Not Pressed
Tilt in Reverse	Set
Tilt mirrors in reverse	Set
Transmission Type	Automatic
Vertical Front Down	Not Pressed
Vertical Front Up	Not Pressed
Vertical Rear Down	Not Pressed
Vertical Rear Up	Not Pressed

PCM - POWERTRAIN CONTROL MODULE

Fault Codes

- P0101** Mass Air Flow Sensor "A" Circuit Performance (**Present**)
- P0113** Intake Air Temperature Sensor 1 Circuit High (**Present**)
- P0201** Fuel Injector 1 Circuit/Open (**Present**)

Parameters Snapshot

Parameter Name	Value
A580 Variant Equipped	No A580
ABS Equipped	ABS / ESP
AC compressor is switched ON	False
Accelerator Pedal Position	0.00 %
Actual Ambient Temp	20.0 °C
Actual Coolant Temp	37.6 °C
Air Conditioning Equipped	Fixed Displacement
Air Flow	0.00 Kg/h
Air Flow rate measured (HFM6)	0.0 mm ³ / inject.
Air Flow rate measured (HFM6)	0.0 mm ³ / inject.
Air Flow rate target (HFM6)	359.0 mm ³ / inject.
Air Mass Per Cylinder	0.0 mg/hub
Air Temperature at HFM Position	36.66 °C

Alternator Excitation Current	0 mA
Alternator Load	0.00 %
Alternator Setpoint Voltage	0 mV
Alternator Voltage Set Value	0.0 mV
Battery Voltage after Defect Detection and Handling	13320 mV
Boost control status	Enabled
Boost Pressure	1015 hPa
Boost pressure target	1015.5 mBar
Charged Air Cooler Downstream Pressure	1015 hPa
Clutch Pedal	Pressed
Command V.G.T. / Waste Gate	18.50 %
Control Signal for the Starter Relay	OFF
Cruise Control Equipped	Adaptative Cruise Control
Cruise Control Key Status	No key pressed
Cruise Control Speed	0 MPH
Cruise Switch State	No key pressed
Current regulator valve DRV	100 mA
Current regulator valve M-Prop (Metering unit)	200 mA
Defrost Selected	False
Differential Pressure Sensor	-2 hPa
Duty Cycle	2 %
Duty cycle regulator valve DRV	6.66 %
Duty cycle regulator valve M-Prop (Metering unit)	8.78 %
EGR Control Status	Enabled
EGR cooler bypass status	OFF
EGR DC Motor measured position	-5.9 %
EGR DC Motor Solenoid Valve / Recirculation Valve	-5 %
EGR ON	True
Electric Fuel Pump Active	True
Engine Coolant Temperature	35.84 °C
Engine Crank Request	True
Engine cranking	False
Engine Speed	0.0 RPM
EVAP Temp	-4.8 °C
Fan powerstage 1 Status	Not Activated

Fan powerstage 2 Status	Not Activated
Fuel rail pressure measured (Sensor)	28.6 bar
Fuel rail pressure target	269.9 bar
Ignition Status	ON
Inlet DPF exhaust gas temperature sensor	40.15 °C
Intake air temperature (HFM6)	36.64 °C
Intake manifold air temp. (Boost pressure sensor)	38.45 °C
Lambda / Particulate Filter Presence	N/A
Lambda sensor O2 Voltage	0 mV
Lambda Sensor Universal (LSU) Temperature	577.15 °C
LSU heater duty cycle command	1.89 %
Main Brake Status	Not Pressed
Maximum rail pressure during last 10 ms	28.7 bar
MT set by calibration	False
Odometer	34533 Miles
Oil pressure switch OFF	True
Oil Temperature	79.96 °C
Percentage of soot mass	6.75 %
Pre supply pump Command On	False
Pressure	69 %
Pre-Supply Pump	OFF
PTC Equipped	3h/3r PTC
Quantity of total injected fuel	18.76 mm ³ / inject.
Rail Pressure Set Point	270000 hPa
Rail Pressure	20000 hPa
Raw Value of Rail Pressure	552.2 mV
Raw Voltage Value of Particulate Filter Upstream Sensor	884.4 mV
Raw voltage value of sensor TTrbnUs	879.6 mV
Raw Voltage Value of Temperature at Upstream of the Oxidation Catalyst	4999.8 mV
Request to switch ON/OFF the main relay	ON
Sensed Battery Voltage	13320 mV
Sensed Engine Coolant Temperature	37.36 °C
Sensed Fuel Temperature	21.96 °C
Sensed Inlet Air Temperature	38.46 °C
Sensed Value of Environment Air Pressure	1018 hPa

Sensed Value of Oil Pressure	0 hPa
Sensed Value of the Temperature at Particulate Filter Upstream	40.16 °C
Sensed value of the temperature at TTrbnUs	38.16 °C
Starter Relay	OFF
Starter Relay Status	Not Engaged
Throttle Valve Actuator command	14.09 %
Total fuel correction in cylinder 1	0.00 mg/hub
Total fuel correction in cylinder 2	0.00 mg/hub
Total fuel correction in cylinder 3	0.00 mg/hub
Total fuel correction in cylinder 4	0.00 mg/hub
Total fuel correction in cylinder 5	0.00 mg/hub
Total fuel correction in cylinder 6	0.00 mg/hub
Water In Fuel	Not Present

PEM - PASSIVE ENTRY MODULE

Fault Codes

B21DD System Voltage Circuit (Intermittent)
Signal Below Allowable Range

Parameters Snapshot

Parameter Name	Value
Antenna 1 location	Rear Left Door
Antenna 2 location	Rear Right Door
Antenna 3 location	IP/Dash
Antenna 4 location	Trunk
Battery Voltage	13 V
Door Handle 1 Configuration Value	Left Front
Door Handle 1 Output Type	Not Driver Door
Door Handle 2 Configuration Value	Right Front
Door Handle 2 Output Type	Driver door
Door Handle 3 Configuration Value	Unused
Door Handle 3 Output Type	Not Driver Door

Door Handle 4 Configuration Value	Unused
Door Handle 4 Output Type	Not Driver Door
Left Front Door Handle Activation Value	None
PIN successfully programmed	Yes
Rear Door Handle Output	UnLatch
Rear Door Handle Output Type	Simple
Right Front Door Handle Activation Value	None

PLGM - POWER LIFTGATE MODULE

Fault Codes

B21DD System Voltage Circuit (Intermittent)
Signal Below Allowable Range

Parameters Snapshot

Parameter Name	Value
Activation Status	None
Averaged Ambient Temperature	59 °F
Averaged Ambient Temperature	59 °F
Battery Voltage Input	13.2 V
Chime Activation	OFF
Dor Lock Status	OFF
Drive motor current sense	0.00 A
Drive Motor PWM Duty Cycle	0.00 %
Flipper Glass Ajar	NO
Full Open Switch	Open
Gate Position Counts	100 counts
Ignition Status	RUN position
In-Plant Mode Status	Enable Power Open and Close
Last Know Door Lock Status	All Door Unlock
Latch Motor Current Sense	0.00 A
Latch Status	Latched
Left Pich Sensor Status	Open

Left Pich Sensor Voltage	4.0 V
Liftgate Status	Closed
Outside Handle Switch Status	Open
Outside Handle Switch Voltage	4.7 V
Overhead Console Switch Status	Open
Overhead Console Switch Voltage	4.7 V
Passive Entry Request Flag	False
PLGM Direction	Stationary Position
PLGM Operation Status	Deck Lid is Completely Closed
PLGM System Display	No Issue
Position Sensor 1	Open
Position Sensor 1 Closed	NO
Position Sensor 2	Open
Position Sensor 2 Closed	NO
Primary Ratchet Switch	Open
Primary Ratchet Switch Closed	NO
PRNDL Status	Park
Rear Zone Switch Status	Open
Rear Zone Switch Voltage	4.7 V
Right Pich Sensor Status	Open
Right Pich Sensor Voltage	1.5 V
Secondary Ratchet Switch	Open
Secondary Ratchet Switch Closed	NO
Selector Gear/Park Switch	Open
Testing Voltage and Temperature Status	Normal operation
Thermistor Reading	73 °F
Vehicle Speed	0
VTA Status	VTA Disarmed

PTS - PARKTRONIC SYSTEM

Fault Codes

B210C Battery Voltage Input Circuit/Performance (Intermittent)

B21DD System Voltage Circuit (Intermittent)

Signal Below Allowable Range

Parameters Snapshot

Parameter Name	Value
Audio System Mute Request	False
Automatic Transmission	True
Averaged Ambient Temperature	56 °F
Configurable Feature	Default
Configurable Feature Status Rq	Default
Day Light Brightness Mode (Funeral Mode)	True
Display Supply Voltage	0.0
Failsafe	False
Front Distance Left	0 cm
Front Distance Left w / Hysteresis	255 cm
Front Distance Right	0 cm
Front Distance Right w / Hysteresis	255 cm
Gear Position	Park
Ignition Switch Status	RUN position
Ignition Voltage	13.2 V
Ignition Voltage State OK	True
Panel Display ON	True
Panel/Display Intensity	0.0 %
Parade Mode	True
Park	N/A
PRND Status from Trans	Park
PTS Enabled	True
PTS Service Warning Request	False
Rear Distance Left	0 cm
Rear Distance Left w / Hysteresis	255 cm
Rear Distance Right	0 cm
Rear Distance Right w / Hysteresis	255 cm
Reverse Fear (Manual Transmission)	False
Rolling Counter VL	0 cm

Rolling Counter VR	0 cm
Sensor #1 Direct Echo	FFFF
Sensor #10 Direct Echo	255 cm
Sensor #11 Direct Echo	255 cm
Sensor #2 Direct Echo	FFFF
Sensor #3 Direct Echo	FFFF
Sensor #4 Direct Echo	FFFF
Sensor #5 Direct Echo	FFFF
Sensor #6 Direct Echo	FF
Sensor #8 Direct Echo	255 cm
Sensor #9 Direct Echo	255 cm
Sensor 1/2 Cross Echo	FFFF
Sensor 10/11 Cross Echo	255 cm
Sensor 2/3 Cross Echo	FFFF
Sensor 3/4 Cross Echo	FFFF
Sensor 4/5 Cross Echo	FFFF
Sensor 5/6 Cross Echo	FF
Sensor 8/9 Cross Echo	255 cm
Sensor 9/10 Cross Echo	255 cm
Sensor Supply Voltage	8.4 V
Standby Mode	False
System Voltage	13.3 V
System Voltage OK	True
Tone Warning	False
Trailer Detected	None
Vehicle Config 1	Programmed
Vehicle Speed	0 MPH

RADIO

Fault Codes

B210A System voltage low (Unknown)

Parameters Snapshot

Parameter Name	Value
12/24 Time Selection	24 Hour Time
Accessory Delay is Active	ON
Actual FM Frequency	89.5 Mhz
Actual LW Frequency	153 kHz
Actual MW Frequency	531 kHz
Adaptive Cruise/LCM Beep Request	False
Adaptive Cruise/LCM Indication Lamp on Request	False
AHBM	Not present
All options for In-Motion	Enabled
AM/FM Signal Strength	41 dBuV
AM/MW	False
AMP	Present
Amplifier (AMP)	Present
Amplifier Mute Status	Muted
Amplifier Stored Equalization Curve	4C
Antenna	Present
Anti-Theft Enable Status	ON
Audio Detected	False
Audio Playing in Front Left Speaker Quadrant	False
Audio Playing in Front Right Speaker Quadrant	False
Audio Playing in Rear Left Speaker Quadrant	False
Audio Playing in Rear Right Speaker Quadrant	False
Audio Sirius ID	?
Audio System Mute Request from PTS	Not set
Audio-Mode Advance	OFF
Automated Loudness	OFF
Balance Setting	Neutral
Bass Setting	Neutral
Battery Strength	SNA / Not Programmed
Bluetooth Audio Status	Media Present Not Connected
Bluetooth Status	Not connected

Buzzer Output	Buzzer Off
Cabin EQ Curve Number Currently Used by Radio	36817
Cabin EQ Major/Minor Version	1104
Cabin Equalization Number	4C00
Call in Progress	False
Call Transfer Strategy	Continue Call
Cassette	False
CCN	Present
City Center	Disabled
Clip Mode	OFF
Clock Display	ON
Communications	CAN
Configurable Feature	Default
Configurable Feature Status Rq	Default
Convertible Top Status	SNA / Not Programmed
Convertible Top Switch Request	SNA / Not Programmed
Current Program Type-Short	0000000000000000
Current SDAR Channel	0
Current VES Track or Chapter	0
Day Light Brightness Mode (Funeral Mode)	ON
DDM	Not present
Digital Mode	OFF
Disable CD Eject	OFF
Disable Display of Radio Clock	OFF
DISP	Not present
Display Location	1
Distance Traveled by Left Wheel	0.0 cm
Distance Traveled by Right Wheel	0.0 cm
DM_FL	Present
DM_FR	Present
DM_RL	Not present
DM_RR	Not present
Drive Configuration	Selectable 4WD
DVD	Not present
DVD is in Random Play Mode	False

DVD is Performing a Scan	False
DVD Last Track	0
DVD Region Code	2
DVD Track Play Time in Hours	0 Hours
DVD Track Play Time in Minutes	0 Minutes
DVD Track Play Time in Seconds	0 seconds
Edit Address Book (Under Options)	Disabled
Engine Speed	0 RPM
EOM	Not present
Establishing Connection	False
Fade Setting	Neutral
FM	False
Front Seat Video Playback	Enabled
FSM	Not present
GCI Channel Name - Short	
Group Number from HFM	1
Group Number from SDAR	1
Group Type	N/A
Hands Free Module (HFM)	Not present
Hardware Build Date-Year/Month/Day	122642965
HFM	False
HFM	Not present
HFM Data	00000000000000
HFM Powered/B+ Powered	HFM Powers Mirror
HFM Smart Power Acc. Delay Required	False
HIDT	Not present
High Cut	OFF
High Group Mark 1 from HFM	OFF
High Group Mark 3 from TMM	OFF
High Group Mark from SDAR	OFF
HMI Software Version	2140
Home	Disabled
HSM	Not present
HSTW	Not present
HVAC	Present

Ignition Switch Status	RUN position
Improper DVD - Wrong Region Count	0
Incoming Call	False
Internal Disc Player (CD or DVD)	False
Intersection (Under Destination)	Disabled
IOD Fuse	Fuse In
ITM	Present
Language Preference	English
Left/Right Hand Drive	Right Hand Drive
Load Shedding Levels	None
LRDM	Not present
LRSM	Not present
LW	False
Market Selection	Europe
Mechanical Control	Radio Power Off
Message on Voice Mail	False
Mid-Range Setting	Neutral
Model Sales Code	RHW
Model Year	31507745
Mono/Stereo	Mono
MSMD	Present
NAV	False
Navigation Control	None
Navigation Unit (NAV)	Not present
Network Configuration Status	Programmed
Number of Changes to Current VIN	00
OCM	Not present
Odometer	55584 km
ORC	Not present
Override Country Code from FCM	Disabled
Override Occupant Information	Disabled
Panel/Display Intensity	0.0 %
PCL	0
PDM	Not present
Phone Connection Status	SNA / Not Programmed

Phone Idle	False
Phone Not Available	False
Phone Number (Under Destination)	Disabled
PLGM	Present
POI Menu (Under Destination)	Disabled
Point on Map	Disabled
Preset Configuration	Not Pressed
PRND Status	Park
Program Up/Down	Not Pressed
PSDM_L	Not present
PSDM_R	Not present
PTCM	Not present
PTIM	Not present
PTS	Present
Radio	Present
Radio Market Select	Europe
Radio Switch Status	OFF
Radio Text String Information	
Radio Volume Setting	0
RC Program Limit Flag	Not set
RC Program Limit Flag Reset Count	0
Recall Memory	None
Recent Routines	Disabled
Region Code	N/A
Region Code Change Request Count	2
Remote Display Status	Off
Remote Steering Wheel Switches	Bootloader Mode
Requested Function Not Available	False
Requested SDAR Function Not Available	False
Resend Phone Number	False
Reverse Gear (Manual Trans)	Application Mode
Roaming Mode	OFF
RRDM	Not present
Satellite Radio Module (SDAR)	Not present
SCL	0AA

SCM	Not present
SDAR	Not present
SDAR	False
SDAR Data Info Request	No Info
SDAR Mode	SNA / Not Programmed
SDAR Receiver Subscription	False
SDAR Receiver Type	SNA / Not Programmed
SDAR Status	SNA / Not Programmed
SDAR to Radio Data Transfer	0000000000000000
SDARV	Not present
Seek Up/Down from CCN	None
Seek Up/Down from VES	SNA / Not Programmed
Set Recall Position	None
Short Form Checksum	0000
Signal Strength	SNA / Not Programmed
Slot Check Operation Status	OFF
Smart Accessory Delay is Active	ON
Stereo Blend	OFF
Stereo Mode	Mono
Street Address (Under Destination)	Disabled
SUNR	Not present
Suppress Exterior Lighting	False
System Voltage	13.3 V
Text Message on Voice Mail	False
Text String Information	
Text String Information from SDARV	
TFT/VFD/LCD Segments	Normal Display
Time of day HOURS	16 Hours
Time of day MINUTES	17 Minutes
Time of day SECONDS	30 Seconds
TM	Not present
TMM	Not present
Track Play Time from VES in Hours	0 Hours
Track Play Time from VES in Minutes	0 Minutes
Track Play Time from VES in Seconds	0 Seconds

Traffic Sirius ID	?
Treble Setting4	Neutral
Trip Itinerary	Disabled
Tune Up/Down	SNA / Not Programmed
Turn on Displays	Bootloader Mode
UPFM	Not present
US or Metric Units	US
Vehicle Configuration 1 Status	Programmed
Vehicle Configuration 2 Status	Programmed
Vehicle Entertainment System (VES)	Not present
Vehicle Speed	0.00 Km/h
VES	Not present
VES (DVD, VES, VES2 or VES3)	False
VES is in Mute	False
VES is in Pause or Stop Mode	False
VES is Using VES Media	False
VES Lockout	False
VES Media Status	SNA / Not Programmed
VES Mode Advance	False
VES Power	OFF
VES2	Not present
VES3	Not present
Video Signal Detection	False
VIN Digits	
VIN Message Information	Chars 1 thru 7
Voice Recognition Status	VR Inactive
Volume Up/Down	None
VR Phone Switch State	N/A
VR Phone Switch Voltage	0.00 V
WCM	Not present

SAS - STEERING ANGLE SENSOR

Fault Codes

- C2129** Battery Voltage (Intermittent)
Circuit Voltage below threshold
- C212A** System Voltage (Intermittent)
Signal Below Allowable Range

Parameters Snapshot

Parameter Name	Value
Climate Mode Down	Not set
Climate Mode Up	Not set
Cruise Accel/Resume	Not set
Cruise Cancel	Not set
Cruise Control Input 1 Voltage	4 V
Cruise Control Input 2 Voltage	4 V
Cruise ON/OFF	Not set
Cruise Set/Decel	Not set
Delta Steering Wheel Angle	0.0 Degrees
Distance	Not set
Front Mist	Not set
Front Washer	Not set
Front Wiper High	Not set
Front Wiper Interval I	Not set
Front Wiper Interval I	Not set
Front Wiper Interval II	Not set
Front Wiper Interval III	Set
Front Wiper Interval IV	Not set
Front Wiper Low	Not set
Hi Beam	Not set
Horn Switch	Not set
Mode	Not set
Optical Horn	Not set
Rear Wiper Delay	Not set
Rear Wiper On	Not set
Rear Wiper Wash	Not set
Steering Angle	-20.0 Degrees

Steering Angle	-20.0 Degrees
Steering Angle Direction	True
Steering Angle Direction	True
Steering Angle Sensor Error	False
Steering Angle Sensor Overrun (<> 900degrees)	False
Steering Wheel Angle Sensor Status	OK
SWS Audio	Not set
SWS Call_PRESSED	Not set
SWS Down Arrow	Not set
SWS Menu (Or Back)	Not set
SWS Preset_DOWN	Not set
SWS Preset_UP	Not set
SWS Right Arrow	Not set
SWS Seek_DOWN	Not set
SWS Seek_UP	Not set
SWS Up Arrow	Not set
SWS Volume_DOWN	Not set
SWS Volume_UP	Not set
SWS VR_PRESSED	Not set
Tilt Telescope Backward	Not set
Tilt Telescope Down	Not set
Tilt Telescope Forward	Not set
Tilt Telescope Up	Not set
Tilt Telescope Voltage	4 V
Turn Left	Not set
Turn Right	Not set
VCC 1 half	2 V
VCC 2	4 V
VCC 3	4 V
Vehicle Battery Voltage	13.1 V

TCM - TRANSMISSION CONTROL MODULE

Fault Codes

No fault codes were found

Parameters Snapshot

Parameter Name	Value
Basic Shift Schedule Active	Set
Battery Voltage	12.9 V
Brake Pedal Depressed	NO
Cruise Control	Not set
Current Gear	Park
Cylinder Cut-Out Conditions Fulfilled	NO
Enable / Disable AVC	Disable
Engine Coolant Temperature	98 °F
Engine Speed	0 RPM
Input Speed Sensor 1 (N2)	0 RPM
Input Speed Sensor 2 (N3)	0 RPM
Limp Home Mode	Not set
Limp Home Mode	Not set
Modulation Pressure	0.75 bar
O.K to Crank	YES
Output Shaft Speed	65535 RPM
Output Speed	0 RPM
PRNDL Display Request	Park
Rear Wheel or Front Wheel Drive	Rear
Release Gearshift	Not set
Selector Lever Position	P
Shift Lever is to the Left (- Position)	NO
Shift Lever is to the Right (+ Position)	NO
Shift Lever Position	P
Shift Pressure	0.00 bar
Solenoid Supply Voltage	12.82 V
Solenoid Valve 1-2 / 4-5	Not set
Solenoid Valve 2-3	Not set
Solenoid Valve 3-4	Not set

Speed Sensor Supply Voltage	6.04 V
Static Engine Torque	39.2 N.m
Target Gear	?
Target Idle Speed	700 RPM
TCC Actual Slip	0 RPM
TCC Desired Slip	0 RPM
TCC Duty Cycle Off Percent	0.0 %
Temperature Sensor Voltage	5.00 V
Throttle Pedal Position (Calculated W/Cruise On)	0.0 %
Throttle Position Sensor	0.0 %
Trans Fluid Temp in Reverse or Drive Only	98 °F
TRANS in limp Home Mode	Not set
Trans Protection Acknowledgement from PCM	Set
Transmission Fluid Temperature	98 °F
Turbine (Input) Speed	0 RPM
Two Wheel or All Wheel Drive	AWD
Wheel Speed Rear Left	0.0 RPM
Wheel Speed Rear Right	0.0 RPM

TPM/RTM - TIRE PRESSURE MONITOR

Fault Codes

No fault codes were found

Parameters Snapshot

Parameter Name	Value
Axle detection failure (Front to Rear Detection Failure)	Not set
Barometric Pressure	15 PSI
BUX Deactivation Flag	Not set
Heavy/Normal Load Tire Low Pressure Threshold - Front	29 PSI
Heavy/Normal Load Tire Low Pressure Threshold - Rear	29 PSI
Heavy/Normal Load Tire Low Pressure Threshold Hysteresis - Front	7 PSI
Heavy/Normal Load Tire Low Pressure Threshold Hysteresis - Rear	7 PSI

Heavy/Normal Load Tire Placard Pressure - Front	36 PSI
Heavy/Normal Load Tire Placard Pressure - Rear	36 PSI
Side to Side Detection Failure	Not set
Tire 1 (Left Front) Duplicate Sensor ID	Not set
Tire 1 (Left Front) Loss of Sensor Signal	Not set
Tire 1 (Left Front) Loss Pressure Warning	Not set
Tire 1 (Left Front) Missing Sensor ID	Not set
Tire 1 (Left Front) Pressure Sensor HW Defective	Not set
Tire 1 (Left Front) Rotation Sensor HW Defective	Not set
Tire 1 (Left Front) Temperature Sensor HW Defective	Not set
Tire 1 (Left Front) Temperature Sensor SW Overflow	Not set
Tire 1 (Left Front Tire) Altitude Compensated Pressure	33 PSI
Tire 2 (Right Front) Duplicate Sensor ID	Not set
Tire 2 (Right Front) Loss of Sensor Signal	Not set
Tire 2 (Right Front) Loss Pressure Warning	Not set
Tire 2 (Right Front) Missing Sensor ID	Not set
Tire 2 (Right Front) Pressure Sensor HW Defective	Not set
Tire 2 (Right Front) Rotation Sensor HW Defective	Not set
Tire 2 (Right Front) Temperature Sensor HW Defective	Not set
Tire 2 (Right Front) Temperature Sensor SW Overflow	Not set
Tire 2 (Right Front Tire) Altitude Compensated Pressure	37 PSI
Tire 3 ((Right Rear) Loss of Sensor Signal	Not set
Tire 3 ((Right Rear) Rotation Sensor HW Defective	Not set
Tire 3 ((Right Rear) Duplicate Sensor ID	Not set
Tire 3 ((Right Rear) Loss Pressure Warning	Not set
Tire 3 ((Right Rear) Missing Sensor ID	Not set
Tire 3 ((Right Rear) Temperature Sensor HW Defective	Not set
Tire 3 ((Right Rear) Temperature Sensor SW Overflow	Not set
Tire 3 (Right Rear Tire) Altitude Compensated Pressure	35 PSI
Tire 3 (Right Rear) Pressure Sensor HW Defective	Not set
Tire 4 (Left Rear) Duplicate Sensor ID	Not set
Tire 4 (Left Rear) Loss of Sensor Signal	Not set
Tire 4 (Left Rear) Loss Pressure Warning	Not set
Tire 4 (Left Rear) Missing Sensor ID	Not set
Tire 4 (Left Rear) Rotation Sensor HW Defective	Not set

Tire 4 (Left Rear) Temperature Sensor HW Defective	Not set
Tire 4 (Left Rear) Temperature Sensor SW Overflow	Not set
Tire 4 (Left Rear Tire) Altitude Compensated Pressure	36 PSI
Tire 4 (Left Rear) Pressure Sensor HW Defective	Not set
TPM Localization Fault	Not set
Tire Pressure Sensor 1 ID (Left Front)	00223972
Tire Pressure Sensor 2 ID (Right Front)	00223204
Tire Pressure Sensor 3 ID (Right Rear)	0022219D
Tire Pressure Sensor 4 ID (Left Rear)	00222B76

WCM / TPMS - WIRELESS CONTROL

Fault Codes

- B1A11** RKE fob 2 Battery Low (**Unknown**)
- B1A12** RKE fob 3 Battery Low (**Unknown**)
- B210D** Battery voltage Low (**Unknown**)
- U1197** Security Seed Response Not Received from ECM/PCM (**Unknown**)

Parameters Snapshot

Parameter Name	Value
Battery Voltage	13.2 V
ECU Status	Normal mode
Ignition Voltage	? V
Key Fob ID (Depressed)	Key FOB 1
Number of Key/Fobs Programmed	3
RKE Fob Button Depressed	Unlock
RKE Signal Strength	328