

Bosch ADS Software Update – March 2023

Ver 5.7

<https://www.boschdiagnostics.com/diagnostic-systems>

Version 5.7 update includes more model year **2023** vehicle coverage and additional **ADAS** calibrations. 6,784 new special tests & 2,969 new system applications added in this update.

Software and coverage feature details provided in these release notes.



ADS X

ADS

Coverage Highlights (More Details start on Page 2)

2023 Coverage added – DTC, Data support and Bi-Directional functions

- **Chevrolet** – Colorado, Express 4500
- **Chrysler** – Voyager
- **Dodge** – Durango
- **Ford** – Edge, Explorer, F-150, F150 Lightning
- **GMC** – Canyon, Savanna 4500
- **Jeep** – Cherokee, Grand Wagoneer L, Wagoneer L, Renegade
- **Lexus** – ES250, ES300h, ES350, GS460, IS300, IS350, IS500, LC500, LC500h, LX600, NX250, NX350, NX350h, NX450h+, RC F, RC300, RC350, RX350, RX350h, RX500h, RZ450e, UX250h
- **RAM** – 4500, 5500
- **Toyota** – 4Runner, bZ4x, Camry, Corolla, Corolla Cross, Crown, GR Corolla, Highlander, Mirai, Prius, Prius AWD-e, RAV4, RAV4 Prime, Sequoia, Sienna, Tacoma, Tundra, Venza

Multiple Models and Years Coverage added - Bi-Directional functions

ADAS* – New ADAS calibration coverage:

- **2023 Coverage:**
 - Ford – Edge, Explorer, F-150, F150 Lightning

**All Dynamic ADAS calibrations are included in standard ADS Tool Subscription. Static calibrations that require ADAS targets and fixtures require additional ADAS Subscription used with ADS 625/625X.*

New Coverage Details – USA Domestic

New Chrysler/Dodge/Jeep/Ram Coverage

- Added coverage for 593 new system applications

217 new Adjustment type special tests:

ABS Bleed Brakes, ABS Initialization, ABSO Initialization, Active Grill Shutter Replaced, Actuator Calibration, AFLS Calibration, AMP Non ANC Qualifier, ASCM Initialization, Auto High Beam Demo Mode Test, Bleed Brakes, Brake Pedal Calibration, Calibrate Liftgate, Calibration Routine, CAM Crank Relearn Routine, Change Country Code, Channel Output Test, Check PCM VIN, Clear All Learned Seat Parameters, Clear DEF Pump Learned Offset Values, Clear Engine Auto Restart Crank Counter, Clear Learning Value, Clear Stored Accumulated Fuel Mass, Clear TPM Sensor Rolls Test Results, Clear Variable Line Pressure Counters, Closed Coupled Replacement, Configure License Plate Size, Coolant Three Way Valve, Coolant Three Way Valve Replaced, Diesel Particulate Filter Regeneration, DPF Pressure Sensor Reset, DPF Regen, DPF Replacement, Driving Regeneration Request, Dual Alternator Enable/Disable, Dual Fuel Tank Enable / Disable, ECU Replacement With Value Transfer, EGR Coolant Regeneration, EGR Low Pressure Learn, EGR System Test, EGS Initialization, ELSD Quicklearn, Emissions Rolls Test Mode, Enable / Disable Vehicle Features, Enable/Disable Front Seat Video, Enable/Disable Seatbelt Minder Chime, Engine Idle Shutdown Feature Enable/Disable, EPB Service Procedures, Exhaust Phaser 1 Cleaning, Exhaust Phaser 2 Cleaning, Exit Shipping Mode, FCM Enable Emissions Rolls Test Mode, Fleet Pin Reset, Headlamp Leveling, High Temp Cabin Valve Cal/Test, HVAC Actuator Calibration Test, Idle Shutdown Timer Adjustment, Initialize ABS, Initialize Cluster Configuration w/o Odometer Affect, Initialize CVT, Initialize ORC, Injector Quantity Adjustment, Intake Phaser 1 Cleaning, Intake Phaser 2 Cleaning, Key FOB Identification, Key Fobs Linked To Memory, KeySense PIN Reset, Learn ETC, Light Rain Sensor Calibration, Low Temp Coolant Fill - Active Pump, Low Temp Coolant Fill - Passive Pump, Mass Air Flow Sensor Initialization, Microphone Output Short Test, Microphone Tone Test, Most Recent Cool Down Test Results, New Engine Installed, Non-Volatile Memory Reset, OCM System Verification Test, Oil Change Light Reset, Oil Change Monitor Type, Oil Life Restore, Program Engine Serial Number, Program Tire Sensor Identifications, Program Tire Size, Program Variant Coding, PTO RPM Adjustment, PTO Settings, Quick Learn, Quicklearn 62TE, Quicklearn Non RFE, Quicklearn RFE, RAM Active Air Box Calibration, Remote Start Temporary Disable, Reset Adaptive Values, Reset After Replacement Of Lambda Sensor, Reset Clutch Capacity Adaption, Reset ECU, Reset Enhanced Automatic Oil Change Indicator, Reset Error Free Operation Time to 40 Hours, Reset H2O Lamp, Reset High Voltage Cable Open DTC, Reset Memory, Reset of Lambda Values, Reset of SCR Long Term Adaptation Factor, Reset Parameters to Default, Reset SCR Mileage Counter to 200 Miles, Reset VCM Adaptives, Reset Zero Fuel Quantity Calibration, Rollover Detection, SCR DEF Tank Fluid Level Filter Reset, SCR System After ECU Replacement Procedure, SCR System Catalyst Reset, SCR System Dosing Module Replacement, SCR System Pressure Line Replacement, SCR System Tank or Pump Replacement, SCR System Wiring Harness Replacement, Sensor Wiring Test, Service Procedures, Set Axle Type, Set Max Cruise Speed, Set Max Vehicle Speed, Set Ride Height Level, Snorkel Output Test, Standardization, Stationary Desoot (DPF Regen), Store Learned TCU Adaptives, System Air Mass/Pressure/Ride Height Readings, TCC Break In, TCM Reset Learned Adaptives Routine, Tip Start Temporary Disable, Tire Pressure Sensor Registration, TLC Learn, Turbo Actuator Pre-Align / Self Calibrate, Update Pressure Thresholds, Valve Body Solenoid Learn, VGT Learn, VGT Sector Gear Hysteresis Test, View/Reset Duty Cycle Maps, VIN Lock, Write Pinion Factor, Write VIN, ABS Unit Bleed, Auto Door Lock, Auto Door Unlock, Back Lighting, Bleed Brake Procedure, Brake Fluid Replacement/Brake

Fluid Reservoir Substitution, Calibrate Tandem Master Cylinder Sensor, Caliper EPB substitution, Clear Misfire TLC, Clear Self-Learning Data, Clear TPM Sensor Warnings, Clutch Pedal Learn, Configure IBS for Stop-Start, Crankshaft Pos. Variation Learn, Disable Auto Relock, DTCM Replacement, Electric Park Brake Management, Enable Brake Pedal, Enable/Disable DRL, Enable/Disable The Roll Bench Mode, EPB Assembly Check, Erase Calibration value storage, Exit Logistic Mode, Fire Protection System Activate, Front Brake Disc Substitution, Front Caliper Substitution, GSE Injector Adaptation, Heated Seat NTC Validation, HVAC FGA Self Learning Motors Test, Initialize EPS, Longitudinal And Lateral Sensor Calibration, Longitudinal G Sensor Calibration, Modify Volumetric Sensors Sensitivity, Oil Service Reset, Original VIN Lock, Overboost counter reset, Phonic Wheel Tooth Learning Reset, Power Take - Off Unit Replacement, Pressure Sensor Calibration, Production State, PROXI Back Up IPC to BCM., Proxi Configuration, Proxi Configuration Alignment, Purge fuel circuit reset, RDU Replacement, Rear Brake Disc Substitution(Continental), Rear Differential Bleed, Reset Adaptive After Oil Change, Reset Adaptive Data, Reset Adaptive Memory, Reset Adaptives After Block Change, Reset Air-Fuel Adaptives, Reset Angle Offset, Reset Camshaft Adaptive, Reset Camshaft Adaptives, Reset PTU Shift Counter, Reset Service Information, Reset Turbo Adaptives, Reset Turbo Over Boost Counter, Reset VVA Freeze Incorrect Request, Seat Belts Alarm Enable, Seat Belts Alarm Exclusion, Settling Group Caliper and Brake Pads, Steering Angle Calibration, Throttle Body Self-Learn Activation, Throttle Body Self-Learning, TPM Pressure Update to Placard Value, TPMS Calibration, Trailer Hook Presence Disabling, Trailer Hook Presence Enabling, Turbocharger adaptive parameters reset, Turn off Gain Mode Override, Update Front and Rear Axle Nominal Tire Pressure Values, Valve Variator Actuator (VVA) freeze wrong request reset, VCM Adaptive Parameter Reset After Block Change, VCM Adaptive Parameter Reset After Oil Change, VVL Cam Crank Relearn

2539 new Actuation type special tests:

1st Gear Clutch Test (62TE), 1st Gear Clutch Test (Non-RFE), 1st Gear Clutch Test (RFE), 2/4 Clutch Volume Index Check, 2-3 Skip Shift Solenoid Control State, 2-4 Solenoid, 2-4 Solenoid State, 2C Or 2-4 Solenoid, 2nd Gear Clutch Test (62TE), 2nd Gear Clutch Test (Non-RFE), 2nd Gear Clutch Test (RFE), 2nd Prime Gear Clutch Test (RFE), 3rd Gear Clutch Test (62TE), 3rd Gear Clutch Test (Non-RFE), 3rd Gear Clutch Test (RFE), 4 Low Indicator, 4C Solenoid, 4C Solenoid State, 4th Gear Clutch Test (62TE), 4th Gear Clutch Test (Non-RFE), 4th Gear Clutch Test (RFE), 4WD, 4WD Auto, 4WD AUTO Indicator, 4WD Indicator, 4WD LED, 4WD Lock Indicator, 4WD Low, 4WD Neutral Indicator, A/C, A/C Compressor Clutch Relay Control State, A/C Select, ABS, ABS fault Lamp, ABS Lamp, ABS Light, A-C Button, A-C Compressor Clutch Relay Control State, AC emergency shut off, AC Indicator, A-C INDICATOR, AC Off For Vehicle Manoeuvring, AC Request, A-C Request, A-C Select, ACC Enter In-Plant Mode, Activate Driver and Passenger Head Restraints, Activate Fuel Lift Pump, Active Exhaust Valve 1, Active Exhaust Valve 2, Active Grill Shutter Test, Actuate All Heaters, Actuate All Seat Heaters, Actuate All Vents, Actuator Position, Actuator Test For SCR Device Relay, Actuator Test For Scrdevrly, Actuator Test Of Urea Back Flow Pump Actuator, Adjustable Pedal Disable Relay, Aftertreatment System Performance Test, Air Bag, Air Bag Lamp, Air Bag Light, Air Condition, Air Condition Relay Control, Air Dam Test, Air Spring Circuit Test, Air Suspension Leakdown Test, All Doors/Central Locks, All Doors-Central Locks, Alternator Current Limit, Alternator Field Control State, Alternator Field Duty Cycle, Alternator Field Duty-Cycle, Alternator Output Voltage Setpoint, Alternator Test, Alternator Voltage Set Point Value, Ambient Temperature, AMP Output Short Test, AMP Output Tone Test, ANC Output Short Test, Antenna Power, APM Status, Approach Light State, Assist Call Button Green LED, Assist Call Button Red LED, Assist Call Green Day PWM, Assist Call Green LED Control PWM, Assist Call Green Night PWM, Assist Call Red Day PWM, Assist Call Red LED Control PWM, Assist Call Red Night PWM, ATMM Left Actuator Command -%, ATMM Left Actuator Command -Degrees, ATMM

Left Actuator Command -Hz, ATMM Right Actuator Command -%, ATMM Right Actuator Command -Degrees, ATMM Right Actuator Command -Hz, Atmosphere Valve Test, Audio Routing, Audio Test, Audio Test For Subwoofer Specific, Audio Video Signal Detection, AUTO Button, Auto Indicator, AUTO LED, Auto Shutdown (ASD) #1 Relay Control State (Left Bank), Auto Shutdown (ASD) #2 Relay Control State (Right Bank), Auto Shutdown (ASD) Relay Control State, Auto Shutdown Relay Control State, Auxiliary Coolant Pump, Auxiliary Fuel Pump, Average Ambient Temperature, AWD System Switch, BACK button, Background LED Illumination Level, Background LED State, Backlight 1 Level, Backlight 2 Level, Backlight 3 Level, Backlight 4 Level, Backlight 5 Level, Backlight 6 Level, Backlight 7 Level, Backlight 8 Level, Backlight Control, Backlight Control-Backlight PWM1, Backlight Control-Backlight PWM2, Backlight Control-Backlight PWM3, Backlight Control-Backlight PWM4, Backlight Control-Backlight PWM5, Backlight Control-Backlight PWM6, Backlight Control-Blue Driver/Passenger Temp Down, Backlight Control-Display PWM, Backlight Control-HVAC Recirc/AC/Front Def/Rear Def, Backlight Control-LED Jewel Indicator auto, Backlight Control-LED Jewel Indicators excluding Auto, Backlight Control-Red Driver/Passenger Temp Up, Hazard, Backlight Control-Sapphire Blue Enter/Mute Knobs, Backlight Control-Sapphire Blue HVAC Auto/Fan Off, Backlight Control-Sapphire Blue Knob Halo Rings, Backlight Control-Sapphire Blue Lower Row Switchbank Buttons, Backlight Control-Sapphire Blue Screen Off, Back Buttons, Backlighting: Driver Temp Down, Pass Temp Down, Backlighting: Driver Temp Up, Pass Temp Ujp., Backlighting: Knob Halo White Backlighting, Backup Alarm, Baggage Lamps, Balance Settings, Bass Settings, Battery Bad (Red), Battery Charge LEDs, Battery Coolant Heater, Battery Coolant Pump, Battery Good (White), Battery LED 1, Battery LED 2, Battery LED 3, Battery LED 4, Battery LED 5, Battery LED 6, Battery LED 7, Battery LED 8, Battery LED 9, Battery Voltage LEDs, Battery Voltage Output, Bed Lamp, Blind Spot Indicator State, Blower Motor Speed, Blue Cooled Seat Indicators, Blue Heated Seat Indicators, Blue Temperature Bar, Boost Low Pressure Actuator, Boost Pressure, Boost Pressure Actuator, Both Headlamps Max High Position, Both Headlamps Max Low Position, Brake Indicator, Brake Light, Brake State Output, Brake Switch, Brake System Fail Indicator, EPB Indicator, BRAKE Text, Brake Warning Lamp, BSM State, BTSI Coil Output Control, BTSI Control, BTSI Solenoid, Button 11 (Spare), Button 14 (Spare), Button 15 (Spare), Button 16 (Spare), Button 24 (Spare), Button 6 (Spare), Button 7 (Spare), Button 8 (Spare), Button Indicators, Buttons Control, Buttons/Encoder Control-Button 1 (Front Defrost), Buttons/Encoder Control-Button 10 (FCW), Buttons/Encoder Control-Button 12 (Back), Buttons/Encoder Control-Button 13 (Screen Off), Buttons/Encoder Control-Button 14 (ESP), Buttons/Encoder Control-Button 16 (PTS), Buttons/Encoder Control-Button 17 (Mute), Buttons/Encoder Control-Button 18 (Enter), Buttons/Encoder Control-Button 19 (Rear Defrost), Buttons/Encoder Control-Button 2 (Driver Temp Up), Buttons/Encoder Control-Button 20 (Passenger Temp Down), Buttons/Encoder Control-Button 21 (Auto), Buttons/Encoder Control-Button 22 (Driver Temp Down), Buttons/Encoder Control-Button 23 (Recirc), Buttons/Encoder Control-Button 3 (Fan Off), Buttons/Encoder Control-Button 4 (Driver Temp Up), Buttons/Encoder Control-Button 5 (AC), Buttons/Encoder Control-Button 9 (Eco), Buttons/Encoder Control-Rotary 1 Detents (Volume), Buttons/Encoder Control-Rotary 1 Direction (Volume), Buttons/Encoder Control-Rotary 2 Detents (Fan), Buttons/Encoder Control-Rotary 2 Direction (Fan), Buttons/Encoder Control-Rotary 3 Detents (Tune), Buttons/Encoder Control-Rotary 3 Direction (Tune), Buttons/Encoder Control-Rotary 4 Detents, Buttons/Encoder Control-Rotary 4 Direction, Buzzer Control, Cabin Temperature Sensor, Cargo Lamp, Cargo Light, Cargo Light Indicator, Catalyst Efficiency Test, CEGR H-Bridge Valve Duty Cycle, Center High Mount Stop Lamp, Center Stop Lamp, Central high mounted Stop Light (CHMSL), Channel 1 Audio Control, Channel 10 Audio Control, Channel 11 Audio Control, Channel 12 Audio Control, Channel 2 Audio Control, Channel 3 Audio Control, Channel 4 Audio Control, Channel 5 Audio Control, Channel 6 Audio Control, Channel 7 Audio Control, Channel 8 Audio Control, Channel 9 Audio Control, Charge Air Cooler Coolant Pump, Charge Port Command CAN, Charge Port Command Hard Wired, Charge Port Lock Motor, Charge Port Request Tester, Charge Port Un

Lock Motor, Check Engine - MIL Lamp, Check Engine MIL Lamp, Check Engine-MIL (Malfunction Indicator Lamp), Check PCM Odometer, Chiller Shut-off Valve, CHMSL Lamp, Close Door, Clutch Output, Clutch Signal To ECM Output Control, CNG Indicator, CNG Injector Relay, CNG Shut Off Relay, CNG/Gasoline Forced Fuel Type, Cold Start Aid Driver 1, Cold Start Aid Driver 1 Output, Compressed Natural Gas, Compression Test, Compressor Circuit Test, Compressor Current, Control All Solenoids, Control the steering column, Convenience/Reading Lamp, Convenience-Reading Lamp, Coolant Bad Indicator, Coolant Good Indicator, Coolant High Temperature Auxiliary Electric Pump, Coolant Temp LED 1, Coolant Temp LED 2, Coolant Temp LED 3, Coolant Temp LED 4, Coolant Temp LED 5, Coolant Temp LED 6, Coolant Temp LED 7, Coolant Temp LED 8, Coolant Temp LED 9, Coolant Temp LEDs, Coolant Temperature, Coolant Three Way Valve Test, Cooldown Test, Cooled EGR H-Bridge Valve System Test, Cooled Seat Driver High Indicator, Cooled Seat Driver Low Indicator, Cooled Seat Driver Med Indicator, Cooled Seat Passenger High Indicator, Cooled Seat Passenger Low Indicator, Cooled Seat Passenger Med Indicator, Cooler Bypass Valve, Cooling Valve Position, Courtesy Lamps, Crankcase Ventilation, Crankcase Ventilation Heater, Cyl 1 Deactivation Sol Cntrl State, Cyl 6 Deactivation Sol Cntrl State, Cyl 7 Deactivation Sol Cntrl State, Cylinder 1 Deactivation Solenoid Control State, Cylinder 4 Deactivation Solenoid, Cylinder 4 Deactivation Solenoid Control State, Cylinder 6 Deactivation Solenoid Control State, Cylinder 7 Deactivation Solenoid Control State, Cylinder Balance Test, DC Clutch Volume Index Check, Dedicated DRL Lamp Left, Dedicated DRL Lamp Right, DEF (Reductant) Pressure Line Heater Test, DEF (Reductant) Tank Heater Test, DEF Dosing Injection Quantity, DEF Reductant Doser Prime Override Test, DEF Reductant Doser Pump Override Test, Diesel Cabin Heat 1, Diesel Cabin Heat 2, Diesel Cabin Heat 3, Diesel Cabin Heater #1, Diesel Cabin Heater #2, Diesel Cabin Heater #3, Diesel Cabin Heater 1, Diesel Cabin Heater 2, Diesel Cabin Heater 3, Diesel Cabin Heater 4, Diesel Fuel Heater Relay, Digital Inputs1 High Memory, Disable Level Control, Disable Passenger Airbag Lamp Request, Display Start Inhibit Data, Door Ambient Light State, Door Courtesy Lamp State, Door Handle Power Control, Door Handle Verification Test, Double Start Override Relay, DPF Lamp, DPF Reset Option, D-Pillar Recline Switch forward, D-Pillar Recline Switch rearward, DR Solenoid, Driver Cooled Seat, Driver Heated Seat, Driver Side Seat Belt, Driver Temp Detents, Driver Temp Down Button, Driver Temp Rotary Direction, Driver Temp Up Button, DRL, DTI FUEL TRANSFER RLY, DTI LTR CLNT PMP, DTI SPRCHRGR BPV MOTOR, DTI VVL SOL1, DTI VVL SOL2, DTI VVL SOL3, DTI VVL SOL4, Dual Speed Fuel Pump Relay, Dual Speed Oil Pump, Dual Speed Oil Pump Status, Dual Tank Aux LP Relay, Duct Sensor - Floor Left, Duct Sensor - Floor Right, Duct Sensor - Panel Left, Duct Sensors -Panel Right, Duty Cycle Purge Solenoid, EAC Compressor Speed Request, Easy Entry/Exit, EBL Status, EC Mirror State, E-Call Backlight LED, E-Call Button Backlight LED, E-Call Button Green LED, E-Call Button Red LED, E-Call Green Day PWM, E-Call Green Night PWM, E-Call Green Status LED, E-Call Red Day PWM, E-Call Red Error LED, E-Call Red Night PWM, ECC Percent Max Torque, ECO, ECO Button, ECO Indicator, ECO ON-OFF Indicator, ECVD Compressor PWM Command, ECVD Compressor PWM Command~ECVD Compressor PWM Command, EGR Cooler Bypass, EGR DC Motor Sol Vlv Recir Vlv, EGR Duty Cycle, EGR Hi Pressure Motor Test, EGR Positioner, EGR Throttle Valve, EGR Valve Actuator Test, EGR Valve Replaced, EGR Valve Solenoid Duty Cycle, Electric Motor Control, Electric Thermostat Heater, Electric Thermostat Heater Solenoid, Electric Thermostat Heater Solenoid Duty Cycle, Electric Transmission Oil Pump, Electric Vacuum Pump, Electric Wastegate Valve, Electronic Stability Control, Electronic Stability Control Off, ELSD System Function Test, EMCC VLP Solenoid, Emergency Call Backlight LED PWM, Emergency Call Green LED PWM, Emergency Call Red LED PWM, Emissions Rolls Test Mode, Emissions Rolls Test Mode Is Active, Engine After Run Coolant Pump, Engine Check Lamp [MIL], Engine Digital Fan 1, Engine Digital Fan 2, Engine Off Injector Toggle Test, Engine RPM Control, Engine Running Injector Kill Test, Engine Speed Output, Engine Temp LEDs, Engine Temperature, Engine Warm Up, Enter, Enter Button, Enter Plant Mode, EOBD (Electronic On

Board Diagnostic) Failure Indicator, EPB Failure Lamp, EPB Indicator And EPB Fail Indicator, EPB Service, EPB Warning Light, EQ Loudness Test, ESC, ESC Disable Lamp, ESC Indicator, ESC Malfunction Lamp, ESC Off, ESC ON-OFF Indicator, ESCL 12 Volt Feed Control, ESCL Unlock Control, ESIM Forced Monitor Test, ESM Power Supply, ESP button, ESP Light, ETC Indicator Test, ETC Lamp, ETC System Test, ETC Throttle Follower Test, EVAP Purge Valve, Evaporator Sensor Temperature, Evaporator Temp Sensor, Evaporator Temperature Sensor, Exhaust Brake, Exhaust Brake Auto Green, Exhaust Brake Yellow, Exhaust Gas Cooler Bypass Valve, Exhaust Gas Recirculation Valve, Extend Mileage With SCR Active Faults, Faceplate Controls-Eject, FAD Feedback Voltage, FAD Lock Request, FAD Supply Voltage, Fade Settings, Fan Clutch PWM Duty Cycle Output, Fan Clutch Test, Fan Off Button, Fan Rotary Detents, FCW Button, Feature Pin, Fill Spring From Reservoir, First Pass Cool Down Test Results, First Row Driver Seatbelt Buckle Sensor-Switch, First Row Passengers Seatbelt Buckle Sensor-Switch, Flipper Glass 2, Foot Well, Foot Well/Halo Lamps, Foot Well-Halo Lamps, Frequency Step Selection, Front Blower Control, Front Blower Motor, Front Blower Speed, Front Collision Off, Front Collision Off, Front Defrost, FRONT DEFROST button, Front Defrost Indicator, Front Fog, Front Fog Lamps, Front Mode 1 Actuator Position, Front Mode 1 Defrost Actuator Position, Front Mode 2 Panel Actuator Position, Front Mode Actuator Position, Front Mode Door Actuator Position, Front Off Road Camera Washer, Front Refrigerant Shut-off Valve, Front Washer, Front Wiper (High/Low), Front Wiper (High-Low), Front Wiper (On/Off), Front Wiper (On-Off), Front/Rear Washer, Front-Rear Washer, Fuel Filter Heater, Fuel Filter Heating, Fuel filter water level warn lamp, Fuel Filter Water Level Warning Lamp, Fuel Injector, Fuel Injector 1, Fuel Injector 1 Control State, Fuel Injector 2, Fuel Injector 2 Control State, Fuel Injector 3, Fuel injector 3 Control State, Fuel Injector 4, Fuel Injector 4 Control State, Fuel Injector 5, Fuel Injector 5 Control State, Fuel Injector 6, Fuel Injector 6 Control State, Fuel Injector 7, Fuel Injector 7 Control State, Fuel Injector 8, Fuel Injector 8 Control State, Fuel Injector Balance, Fuel Injector Cleaning, Fuel Level LEDs, Fuel Level Output, Fuel Metering Unit, Fuel Metering Unit Actuator, Fuel Pre Supply Pump, Fuel Pressure Override, Fuel Pressure Regulated O/P (Bar), Fuel Pressure Regulator, Fuel Pressure Regulator Valve, Fuel Pump, Fuel Pump Relay Control State, Fuel System Run Up Test, Functional LED Illumination Level, Functional LED State, Gas Injector Relay, Gasoline Indicator, Gated Park ZFII Output, Gated Park ZFII Output Control, Gear Position, Gear Selection, Generator Ramp Time, Generator Speed Threshold, Glow Lamp, Glow Plug, Glow Relay, Head Rest Relay, Headlamp Washer, Heated Seat Driver High Indicator, Heated Seat Driver Low Indicator, Heated Seat Driver Med Indicator, Heated Seat LED, Heated Seat Passenger High Indicator, Heated Seat Passenger Low Indicator, Heated Seat Passenger Med Indicator, Heated Steering Wheel, Heated Steering Wheel indicator, Heated Steering Wheel~Heated Steering Wheel, Height Sensor Check, HEV Belt-Driven Coolant Pump Clutch Relay, HEV Engine Aux Heater LIN Coolant Pump, HEV Engine Belt-Driven Coolant Pump Clutch Relay, HEV Fuel Tank Isolation Valve Solenoid, HEV TPIM Inverter LIN Coolant Pump, High Beam, High Beam Indicator, High Beam Light, High Pressure Fuel Rail Test, High Pressure Fuel System Test, High Speed Engine Cooling Fan Control, High Speed Fan, High Temp Aux Pump, High Temp Cabin Valve Rotation, High Temp Coolant Fill - Aux Pump, High Temp Shut-off Valve, High Voltage Battery Precharge Contactor Test, High Voltage Coolant Heater, Horizontal Motor Backward/Forward, Horn, HPCR Duty Cycle, HPCR Duty Cycle Output, HVAC Cool Down Test, HVAC Self Test, H-W Switched 12 V Supply, I/O Control All-Limp Home Mode active, I/O Control All-Red Lamp, I/P Illumination, ICR-HCR Relay, Idle RPM Test, Ignition Coil 1, Ignition Coil 10, Ignition Coil 2, Ignition Coil 3, Ignition Coil 4, Ignition Coil 5, Ignition Coil 6, Ignition Coil 7, Ignition Coil 8, Ignition Coil 9, Ignition Run, Ignition Run - Acc 1, Ignition Run - Acc 2, Ignition Run - Start, Ignition RUN/ACC 1, Ignition RUN/ACC 2, Ignition RUN/START, Ignition RUN-ACC 1, Ignition RUN-ACC 2, Ignition RUN-START, Immobilizer Antenna Test, In Motion Menu, Indicator Control-A/C Indicator, Indicator Control-Auto Indicator, Indicator Control-FCW Indicator, Indicator Control-Front Defrost Indicator, Indicator Control-Indicator 1 (Auto), Indicator Control-Indicator 10 (SSO),

Indicator Control-Indicator 11 (PPA), Indicator Control-Indicator 12 (LDW), Indicator Control-Indicator 2 (AC), Indicator Control-Indicator 3 (Recirc), Indicator Control-Indicator 4 (Front Defrost), Indicator Control-Indicator 5 (Rear Defrost), Indicator Control-Indicator 6 (ECO), Indicator Control-Indicator 7 (FCW), Indicator Control-Indicator 8 (Traction Control), Indicator Control-Indicator 9 (PTS), Indicator Control-LDW Indicator, Indicator Control-Park Sense Indicator, Indicator Control-Rear Defrost Indicator, Indicator Control-Recirc Indicator, Initiate P2BA9 SCR Refill Monitor, Injector Kill Test, Inlet Metering Valve, Inlet Valve FL, Inlet Valve FR, Inlet Valve Left Front, Inlet Valve Left Rear, Inlet Valve LF(Normally Open), Inlet Valve LR (Normally Open), Inlet Valve RF (Normally Open), Inlet Valve Right Front, Inlet Valve Right Rear, Inlet valve RL, Inlet valve RR, Inlet Valve RR (Normally Open), Input Test, Instrument Panel Illumination Level Output, Intake Air Throttle Actuator, Intake Air Throttle Actuator Test, Intake Manifold Short Runner Valve (SRV) Solenoid Control State, Intake Manifold Short Runner Valve Solenoid, Intake Manifold Tuning Valve (MTV) Solenoid Control State, Intake Manifold Tuning Valve Solenoid, Intake Port Shut Off, Intake Throttle Duty Cycle, Intake Throttle Duty Cycle Output, Inverter Enable Relay, Inverter Status Indicator, IOD RELAY ON LSD, I-P Illumination, IPC Self Test, IRCM Heater, IRCM Relay Unlock Control, ITOS - Cabin Temperature, Key Pad Back Lighting, Keypad Backlight Control, KeySense, KIN ACC LED State, KIN Antenna Power, KIN LED Control, KIN OFF LED State, KIN RUN LED State, KIN Start/Stop LED State, KIN Start-Stop LED State, Knob Lock State, L/U And SEL On Off Solenoid, L/U Solenoid Current, Lamps Actuation-Left leveling actuator position, Lamps Actuation-Right leveling actuator position, Lane Departure Warning ON-OFF Indicator, Latch Motor Cinch Direction, Latch Motor Release Direction, LC Clutch Volume Index Check, LC Solenoid, LDP Solenoid, LDW Warning Indicator, Leak Detection Pump, Leak Detection Pump Forced Monitor Test, LED Control-LED 1 (Auto Control), LED Control-LED 2 (EBL), LED Control-LED 3 (Front defrost), LED Control-LED 4 (recirc), LED Control-LED 5 (A/C), LED Intensity Output, LED Test - Damping Mode Automatic Active, LED Test - Damping Mode Hard / Sport Active, LED Test - Damping Mode Soft Active, Left Rear Tail/Park Lamp, Left Air Catcher LED, Left Auxiliary High Beam, Left Backrest Heat Seat Linear PWM Request -Output, Left Cushion Heat Seat Linear PWM Request -Output, Left Day Light Lamp, Left Floor Duct Sensor, Left Front Fog Lamps, Left Front Park Lamp, Left Front Turn Lamp, Left Headrest Dump, Left HID Lamp, Left High Beam, Left High Beam Shutter, Left Low Beam, Left Panel Duct Sensor, Left Rear AUX Turn Lamp, Left Rear Fog Lamps, Left Rear Tail-Park Lamp, Left Rear Turn Lamp, Left Rear Turn Lamp (BUX), Left Rear Turn/Stop Lamp, Left Rear Turn-Stop Lamp, Left Reartail-Park Lamp, Left Recliner Switch, Left Reverse Lamp, Left Reverse Lamp 2, Left Reverse Lamp State, Left Seat Back Motor Adjustment, Left Seat Latch Motor Adjustment, Left Seat Stow Motor Adjustment, Left Side Markers, Left Signal Mirrors/Side Repeaters (BUX), Left Signal Mirrors-Side Repeaters (BUX), Left Signature Lamp, Left Solar Sensor Values, Left Trailer Tow Turn/Stop Lamp, Left Trailer Tow Turn-Stop Lamp, Left Turn Signal Indicator, Left Vent Seat Linear PWM Request -Output, LF Antenna Verification Test, License Plate Lamp, License Plate Lamp WK -Right Rear Rail Lamp WD, Lift Pump Relay, Liftgate Release Motor, Linear Hall, Linear Solenoid A, Linear Solenoid B, Linear Solenoid C, Linear Solenoid D, Linear Solenoid E, Linear Solenoid F, Linear Solenoid G, Locate Learned Keys, LOCK 4WD, Low Fuel, LOW LED, Low Pressure Feed Valve 1, Low Pressure Feed Valve 2, Low Pressure Feed Vlv 1(Normal close), Low Pressure Feed Vlv 2(Normal close), Low Reverse Solenoid, Low Temp Active Pump, Low Temp Passive Pump, Low Temp Passive Pump 1, Low Temp Passive Pump 2, Low-Reverse Solenoid, LR Clutch Volume Index Check, LR Solenoid, LSU Heater 1, Main Left Temperature Actuator Position, Main/Left Temp Selected, Main-Left Temp. Door Actuator Position, Main-Left Temperature Actuator Position, Malfunction Indicator Lamp, Master Ept Wake Up Output, Master ePT Wake Up Output 1, Measure System Air Mass, Memory Seat ECU Self Test, Metering Unit, Metering Unit Actuator, Mid-Range Settings, MIL Lamp, Mirror Direction Control, Mirror Fold, Mirror Fold Window Control, Mirror Heat State, Mirror LED -Day-Night, Mirror LED Left State, Mirror LED ON-OFF, Mirror LED Right State, Mirror Right LED State,

Mirror Signal Lamp State, Mirror Vertical/Horizontal Direction, Mode, Mode 2 Actuator Position (Defrost Panel Door), Mode Selection, Motor A Control, Motor B Control, Motor Control Close Output, Motor Control Open Output, Motorized Thermistor-Cabin Temp, MS Solenoid, Multiair VVA Solenoid 1, Multiair VVA Solenoid 2, Multiair VVA Solenoid 3, Multiair VVA Solenoid 4, Mute, MUTE button, Mute Test, Neutral, Neutral Gate Test (62TE), Neutral Gate Test (Non-RFE), Neutral Gate Test (RFE), Neutral LED, NOx Sensor Replacement, O2 Heater Test, OBCM HW Wakeup Output, OBCM Pilot Switched 12V Reference, OBCM S2 Internal Switch, OBCM Wakeup, OBD Button 1 Pad 1, OBD Button 1 Pad 2, OBD Button 2 Pad 1, OBD Button 2 Pad 2, OBD Button 3 Pad 1, OBD Button 3 Pad 2, OBD Button 4 Pad 1, OBD Button 4 Pad 2, OBD Button 5 Pad 1, OBD Button 5 Pad 2, OBD Button 6 Pad 1, OBD Button 6 Pad 2, OBD Button 7 Pad 1, OBD PPPA -Pad 1, OBD PPPA -Pad 2, OD Clutch Volume Index Check, Oil Pressure Bad, Oil Pressure Good, Oil Pressure Lamp, Oil Pressure LED 1, Oil Pressure LED 2, Oil Pressure LED 3, Oil Pressure LED 4, Oil Pressure LED 5, Oil Pressure LED 6, Oil Pressure LED 7, Oil Pressure LED 8, Oil Pressure LED 9, Oil Pressure LEDs, Oil Pressure Output, Open Door Test, Outlet Valve FL, Outlet valve FR, Outlet valve front left activation, Outlet valve front right activation, Outlet Valve Left Front, Outlet Valve Left Rear, Outlet Valve LF (Normally Closed), Outlet Valve LR (Normally Closed), Outlet valve rear left activation, Outlet valve rear right activation, Outlet Valve RF (Normally Closed), Outlet Valve Right Front, Outlet Valve Right Rear, Outlet valve RL, Outlet valve RR, Outlet Valve RR (Normally Closed), Over Drive Solenoid, Over Drive Solenoid On Time, Over-Drive Solenoid, Overdrive Switch Test, Overdrive Switch Test (Non-RFE), OverDrive Switch Test (RFE), Oxygen Sensor 1 Heater, Oxygen Sensor 1/1 Heater Control State, Oxygen Sensor 1/1 Heater Duty Cycle, Oxygen Sensor 1/2 Heater Control State, Oxygen Sensor 1/2 Heater Duty Cycle, Oxygen Sensor 1-1 Heater Duty-Cycle, Oxygen Sensor 1-2 Heater Duty-Cycle, Oxygen Sensor 2 Heater, Oxygen Sensor 2/1 Heater Control State, Oxygen Sensor 2/1 Heater Duty Cycle, Oxygen Sensor 2/2 Heater Control State, Oxygen Sensor 2/2 Heater Duty Cycle, Oxygen Sensor 2-1 Heater Duty Cycle, Oxygen Sensor 2-1 Heater Duty-Cycle, Oxygen Sensor 2-2 Heater Duty Cycle, Oxygen Sensor 2-2 Heater Duty-Cycle, Oxygen System Heater Test, Park Pawl Actuator Control, Parking Brake And Low Brake Fluid, Parttime LED, Passenger Airbag (PAB) Status, Passenger Airbag LED, Passenger Cooled Seat, Passenger Heated Seat, Passenger Occupant Detection Sensor (ODS), Passenger Seat Belt, Passenger Temp Detents, Passenger Temp Down Button, Passenger Temp Rotary Direction, Passenger Temp Up Button, Pedals Forward/Backward, Pilot 1 (USV Front, MCI Front -Normally Open), Pilot 1 (USV LF-RR, MCI LF-RR -Normally Open), Pilot 2 (USV Rear, MCI Rear -Normally Open), Pilot 2 (USV RF-LR, MCI RF-LR -Normally Open), Pilot Front (USV - Normally Closed), PL Solenoid Current, PLGM Chime Output, Pneumatic Intercooler Bypass, Pneumatic Waste Gate, Police Passenger Un-Lock Motor, Position Lamp, Position Lamp Indicator, Position Lamp Telltale, Position Lights, Power (OFF), Power Down, Power Mirror Feed Relay Control, Power On and Disable User Inputs, Power Side Step Module Actuation Test, Power Steering Failure Indicator, PPPA, PPPA ON-OFF Indicator, Pressure Control Relief Valve (PCR - Normally Closed), Pressure Control Solenoid Valve, Pressure Regulator Valve, Pressure Value Correction Shut-Off, Pre-Supply Pump, Priming 1 (HSV Front, LPF Front -Normally Closed), Priming 1 (HSV LF-RR, LPF LF-RR -Normally Closed), Priming 2 (HSV Rear, LPF Rear -Normally Closed), Priming 2 (HSV RF-LR, LPF RF-LR -Normally Closed), Priming Front (HSV - Normally Closed), Proportional Purge Solenoid, Proportional Purge Solenoid., Proportional Surge Solenoid, PTC Cabin Heater 1 Actuation, PTC Cabin Heater 2 Actuation, PTC Cabin Heater 3 Actuation, PTC Heater Relay 1, PTC Heater Relay 2, PTC Heater Relay 3, PTO, PTS Button, PTS ON-OFF Indicator, PTS Switch Simulation, PTU Position, Puddle Lamp State, Pump, Pump Control, Purge Solenoid Duty Cycle, Purge Vapors Test, PWM Fan Actuation Test, PWM Output, Radiator Cooling Fan PWM Cntrl State, Radiator Cooling Fan PWM Control State, Radiator Cooling Fan PWM Duty Cycle, Radiator Cooling Fan PWM Duty-Cycle, Radiator Cooling Fan Relay 1 Control State, Radiator Cooling Fan Relay 1,2,3 Control State, Radiator Cooling Fan Relay 2 Control State,

Radiator Fan 1 Duty Cycle, Radiator Fan 2 Duty Cycle, Radiator Fan Duty Cycle, Radiator Jalousie ShutterPosition, Radiator-Condenser Cooling Fan Relay 1 Control State, Radiator-Condenser Cooling Fan Relay 2 Control State, Radio, Radio Volume, Rail Pressure, Rail Pressure Sensor Replacement, Ram Active Air Box Test, Ram Box, Range Select Downshift Test Routine, Range Select Downshift Voltage, Range Select Upshift Test Routine, Range Select Upshift Voltage, Read VIN, Ready, Rear Axle Lock, Rear Axle Locker Command, Rear Blend Door Output, Rear Blower Speed, Rear Blower Speed Output, Rear Blower State, Rear Defrost Button, Rear Defrost Indicator, Rear Driver Floor Duct Sensor Temperature, Rear Driver Panel Duct Sensor Temperature, Rear Fog, Rear Fog Lamps, Rear Heated Window, Rear Mode 1 Actuator Position, Rear Mode Door Output, Rear Wiper, Recirc, RECIRC button, RECIRC Indicator, Recirc. Door Actuator Position, Recirculation Door Actuator Position, Recirculation LED, Recirculation Pump, Recirculation pump activation, Recliner, Red Brake Lamp, Red Hazard Button, Red Heated Seat and Steering Wheel Indicators, RED Heated Seat Indicators, Red Temperature Bar, Redundant Ignition RUN/START Feed Output Control, Redundant Ignition RUN-START Feed Output Control, Remote Start Antenna Test, Reverse Gear Clutch Test (62TE), Reverse Gear Clutch Test (Non-RFE), Reverse Gear Clutch Test (RFE), Reverse Lockout Solenoid, Reverse Lockout Solenoid Control State, Right Air Catcher LED, Right Auxiliary High Beam, Right Backrest Heat Seat Linear PWM Request -Output, Right Cushion Heat Seat Linear PWM Request -Output, Right Day Light Lamp, Right Floor Duct Sensor, Right Front Fog Lamps, Right Front Park Lamp, Right Front Turn Lamp, Right Headrest Dump, Right HID Lamp, Right High Beam, Right High Beam Shutter, Right Low Beam, Right Panel Duct Sensor, Right Rear Fog Lamps, Right Rear Park Lamp, Right Rear Tail/Park Lamp, Right Rear Tail-Park Lamp, Right Rear Turn Lamp, Right Rear Turn Lamp (BUX), Right Rear Turn/Stop Lamp, Right Rear Turn-Stop Lamp, Right Reartail-Park Lamp, Right Recliner Switch, Right Reverse Lamp, Right Reverse Lamp #2, Right Reverse Lamp 2, Right Reverse Lamp State, Right Seat Back Motor Adjustment, Right Seat Latch Motor Adjustment, Right Seat Stow Motor Adjustment, Right Side Markers, Right Signal Mirrors/Side Repeaters (BUX), Right Signal Mirrors-Side Repeaters (BUX), Right Signature Lamp, Right Solar Sensor Values, Right Temp Actuator Position, Right Temp. Door Actuator Position, Right Temperature Actuator Position, Right Temperature Selected, Right Trailer Tow Turn/Stop Lamp, Right Trailer Tow Turn-Stop Lamp, Right Turn Signal Indicator, Right Turn Signal Lamp Indicator, Right Vent Seat Linear PWM Request, Right Vent Seat Linear PWM Request -Output, Roller Learning Shut-Off, Rotary 4 Detents, Rotary 4 Direction, RT-LT Sidemarkers-RT-LT Applique Parklamps, SCR Inlet Temp Sensor Replacement, SCR Relay Actuation Test, Screen Off, SCREEN OFF button, SDAR Station Selection, Seat Belt, Seat Belt Lamp, Seat Belt Light, Seat Mode Switch Adjustment, Seat Position Recall, Seat Selector Switch Adjustment, Second Row Center Seatbelt Switch, Second Row Left Seatbelt Switch, Second Row Right Seatbelt Switch, Secondary Air Pump, Secondary Air Solenoid, Secondary Solenoid Current, Secondary/Thatchum Lock Motor, Secondary/Thatchum Un-Lock Motor, Secondary-Thatchum Lock Motor, Secondary-Thatchum Un-Lock Motor, Seek Status, Select Level Switches-Damping Mode Button, Self Test Routine, Sensor Rolls Test, Separation Valve (SV - Normally Open), SERV LED, Service Lamp, Set Engine RPM Test, Shift Lever Position Test (62TE), Shift Lever Position Test (Non-RFE), Shift Lever Position Test (RFE), Shift Solenoid 1, Shift Solenoid 2, Shift Solenoid 3, Shift Solenoid 4, Shift Solenoid 5, Shift Solenoid 6, Shift Solenoid A, Shutoff Correction Quantity, Shutoff Injector Quantity, Side Mirrors Heater Control, Skip Shift Solenoid, Small Leak Verification Test, Snow Plow Left Turn Lamp, Snow Plow Park Lamps, Snow Plow Right Turn Lamp, Snow Plow Switch #1, Snow Plow Switch #2, Snow Plow Switch #3, Snow Plow Switch #4, Snow Plow Switch 1, Snow Plow Switch 2, Snow Plow Switch 3, Snow Plow Switch 4, Software Test, SPARE LED LAMP DRIVER, SPARE RELAY 1 LSD, SPARE RELAY 2 LSD, Speaker Quadrant Selection, Split Cooling Drive Duty Cycle, Sport ON-OFF Indicator, Spring Deflate To Atmosphere, Spring Deflate to Reservoir, SRS Indicator Lamp Request, SRS Lamp, SRV Test, Start/Stop System, Starter Relay, Starter Solenoid, Starter

Solenoid (High), Starter Solenoid High, Starter Status, Steering Wheel Linear PWM Request - Output, Stop - Start System Active Indicator, Stop / Start System Active Lamp, Stop Start Confirmation, Stop/Start System Active, Stop-Start ON-OFF Indicator, Stop-Start System Active, Sun Shade Control, Surge Solenoid Control State, Sway Bar Indicator, Swing Gate Lock, Swing Gate Unlock, Swirl Valve actuator Test, Switch Illumination State, Switch On EPB Failure Lamp, Switch On EPB Function Lamp, System Wiring Test, T Case Service Indicator Request, Tail Gate Lock, Tail Gate Unlock, T-Case Motor Duty Cycle, T-Case Motor Solenoid Lock, T-Case Motor-Motor Lock, T-Case Service Indicator Request, TCC Pressure Control Solenoid, TCM VIN Verification, Telltale ABS, Telltale Airbag, Telltale Brake, Telltale Charging, Telltale ESP, Telltale Fog Front, Telltale Glow Plug, Telltale High Beam, Telltale MIL, Telltale Seat Belt, Telltale Tire Pressure Monitor, Telltale Turn Left, Telltale Turn Right, Telltale - ESC, Telltale - ESC Off, Telltale - ESP Off, Telltale - Park, Telltale - Position Lamp, Telltale - Rear Fog, Telltale ESP/BAS, Telltale-Tire Pressure, Telltale-Tire Pressure Monitor, Telltale-Tow Mode, Thermal System Enable, Thermistor Test, Thermostat Drive Duty Cycle, Third Row Center Seatbelt Switch, Third Row Left Seatbelt Switch, Third Row Right Seatbelt Switch, Throttle Test, Throttle Valve, Throttle Valve Actuator, Tilt Mirrors in Reverse, Time Controlled Spring Fill, Timeout Time Flash To Pass, Timeout Time Paddle Shift Switches, Tire Pressure, Tire Pressure Monitoring, Tone Test, Topper Center Mounted Stop Lamp, TOPPER CHMSL, Torque Coupling Control, TOW-HAUL, Tow-Haul Indicator, TPM Sensor Rolls Test, Trac Cntrl Outlet Vlv 1(Normal open), Trac Cntrl Outlet Vlv 2(Normal open), Traction Control Outlet Valve 1, Traction Control Outlet Valve 2, Trailer Backup Lamps, Trailer BU Lamps, Trailer Tail Lamp Relay, Transfer Case 4WD/Lock/Part Lamp, Transfer Case AWD/Auto/Full Lamp, Transfer Case Low Lamp Request, Transfer Case Neutral Lamp Request, Transmission Component Tests, Transmission Verification Test, Treble Settings, Truck Bed Lighting Leds, Truck Cargo Lamps, Trunk/Flipper Glass Release Motor, Trunk-Flipper Glass Release Motor, Trunk-Liftgate Ajar, Tumble Generator Valve, Tuner Rotary Detents, Tuner Rotary Direction, Turbo/VGT Component Replacement, Turn Left, Turn Right, Turn Signal Lamp State, Twilight Sensor Value, UConnect Live Apps Installation, UD Clutch Volume Index Check, UD Solenoid, UGDO Power Supply, Underdrive Solenoid, Under-Drive Solenoid, Unlock 1/Driver Lock, Unlock 1-Driver Lock, Unlock 2/Passenger Locks, Unlock 2-Passenger Locks, Unlock Run -Start, Unlock RUN-START, Urea (Reductant) Pressure Line Heater Actuator Test, Urea (Reductant) Tank Heater Actuator Test, Urea Dosing Valve Actuation Test, Vacuum Cleaner Power Saver Indicator, Vacuum Cleaner Relay Driver, Vacuum Cleaner Switch Backlight, Vacuum Pump Relay, Variable Displacement AC, Variable Swirl Actuator, Variable Swirl Valve Shutoff, Variable Valve Timing, VVT Control Valve, Vehicle Speed Output, Vehicle Sway Green, Vehicle Sway White, Vehicle Sway Yellow, Vertical Front, Vertical Rear, VES Display Screen Control, VES Headphone Tone Test-Headphone 1, VES Headphone Tone Test-Headphone 2, Video Input, View Last Successful Remote Start Event Data, View Last VTA Trigger Cause Data, View Remote Start Abort Data, View Remote Start Inhibit Data, View Satellite Sensor Information, VLP Solenoid, Volume Rotary Detents, Volume Rotary Direction, VTA Indicator LED, VVA Solenoids Pre-Energization, VVL Service Test, VVT Exhaust Phaser 1 Actuator, VVT Exhaust Phaser 2 Actuator, VVT Intake Phaser 1 Actuator, VVT Intake Phaser 2 Actuator, VVT Tests, Wastegate Solenoid Control State, Wastegate Solenoid Duty Cycle, Water In Fuel, Water Pump Charge Air Cooling, White Backlighting Buttons, White Backlighting Channel 1, White Backlighting Channel 2, White Backlighting Knob Buttons, White Backlighting Knob Indicators, White Knob Indicators, White Lower Halos, White Upper Halos, Window Control, Window Hall Sense Supply, Window State, WK Head Rest Relay, Yellow A/C and Auto Indicators, Yellow Button Indicators, Yellow Fault Lamp, Yellow Lane Departure Warning Indicator, Yellow Rear Defrost Indicator, Yellow Recirc Indicator, 1st Row Ceiling Light, 2nd Row Blend Door 1, 2nd Row Blend Door 2, 2nd Row Blend Door 3, 2nd Row Blend Door 4, 2nd Row Ceiling Light, 2nd Row Center Seat Backrest Release Actuator, 2nd Row Headrest Release Switch, 2nd Row LT Easy Entry-Exit Switch 2, 2nd Row LT Latch Switch,

2nd Row LT Seat Backrest Release Actuator, 2nd Row LT Seat Easy Entry Release Actuator, 2nd Row LT Seat Fold Switch, 2nd Row LT Seat Headrest Release Actuator, 2nd Row Mode Door 1, 2nd Row Mode Door 2, 2nd Row RT Easy Entry-Exit Switch 2, 2nd Row RT Latch Switch, 2nd Row RT Seat Backrest Release Actuator, 2nd Row RT Seat Easy Entry Release Actuator, 2nd Row RT Seat Fold Switch, 2nd Row RT Seat Headrest Release Actuator, 2WD Rolls Mode, 3rd Row Ceiling Light, 3rd Row Fold-Unfold Switch 1 Left, 3rd Row Fold-Unfold Switch 1 Right, 3rd Row Fold-Unfold Switch 2 Left, 3rd Row Fold-Unfold Switch 3 Left, 3rd Row Fold-Unfold Switch 3 Right, 3rd Row Headrest Release, 3rd Row Headrest Release Switch, 3rd Row LT Recline Switch FWD, 3rd Row LT Recline Switch RWD, 3rd Row LT Seat Folding Motor 1, 3rd Row LT Seat Folding Motor 2, 3rd Row LT Seat Headrest Release Actuator, 3rd Row Mode Door 1 Actuator Position, 3rd Row Mode Door 2 Actuator Position, 3rd Row RT Recline Switch FWD, 3rd Row RT Recline Switch RWD, 3rd Row RT Seat Folding Motor 1, 3rd Row RT Seat Folding Motor 2, 3rd Row RT Seat Headrest Release Actuator, 4th Row Ceiling Light, 4WD Lock, A/C Relay, A/C Request, ABS (Anti-lock Brake System) safety indication, Abs Failure Indicator, ABS Failure Lamp, ABS Safety indication, ABS Safety lamp, ABS Warning Light, AC Button, A-C Indicator PWM, Acc/Run/Start Relay, Accessory Delay Time, Acc-Run-Start Relay, ACM Wake Up, Activate TPM High Gain Mode, Actuator Test Injector, Actuator Test Inverse Pump, Actuator Test Pump, Actuator Test Tank Heater, Actuator Test Tube Heater, Aero LED, Aero Level, Air Conditioner Relay Command, Air Defrost Motor Distribution (Left side), Air Defrost Motor Distribution (Right side), Air Mix Motor, Air Mode Motor, Air Rear Motor Distribution, Air Vent - Floor Motor Distribution (Left side), Air Vent - Floor Motor Distribution (Right side), Airbag failure indication, Airbag Fault Indicator, Alarm/Doors Status Led, Alarm/Doors Status/Deterrence LED, Alarm-Doors Status-Deterrence LED, All LEDs On, All Stop Lights, All Stop Lights W-Combined Rear Lighting, All Stop Lights W-O Combined Rear Lighting, Ambient Dimming, Ambient dimming command, Ambient Illumination; Interior, Ambient Lamp, Ambient Light, Ambient Light State, Antilock brake (ABS) failure indication, Anti-lock Brake System (ABS) safety indication, Apply release brake rear left EPB, Apply release brake rear right EPB, Apply release electric brake EPB, ASR Button lamp, ASR-ESP Safety indication, ASR-ESP Safety Lamp, Audio Measure AC and DC, Audio Volume (Current Source), Audio Volume (current source), Audio Volume (ENT), Audio Volume (INFO 1), Audio Volume (INFO 2), Audio Volume (SIG), Auto - Backlight, Auto high beam activation, Auto High beam headlamp indication, Auto High Beam Indicator, Auto Wipers, AutoApply function, Autocheck, Automated Driver Door Ajar Signal, Automated Driver Door Open, Automatic Functions Activation, Automatic High Beam, Automatic High Beam Operation, AVAC Motor Central Position, AVAC Motor Down Most Position, AVAC Motor Up Most Position, Back Up Lights, Back Up Trailer Relay Ctrl, Backlight Control - Heated Seats, Backlight Control - Other, Backlight Control-A/C LED, Backlight Control-Auto LED, Backlight Control-Blue LEDs, Backlight Control-ESP LED, Backlight Control-Front Defrost LED, Backlight Control-Rear Defrost LED, Backlight Control-Recirc LED, Backlight Control-Red LEDs, Backlight Control-Stop/Start LED, Backlight Control-White Backlight LEDs, Backlight Control-White Ring LEDs, Backlight Leds Control, Backlighting, Back-Up Lamps, Backup Light, BACKUP LIGHT L-R, Backup Lights, Balance Level Settings, Bargraph, Bass Level Settings, BCI LED Control, Blower Down Button, Blower Knob - Backlight, Blower Motor, Blower Up Button, BLUE Circuit, Blue Lights, Both Headlamps Move In Maximum Position (for AVAC), Both Headlamps Move In Middle Position (for AVAC), Both Headlamps Move In Minimum Position (for AVAC), Brake Failure Indicator, Brake Sys Fail Ind, Elec PK Brk Indication And EPB Fail Indicati, Brake Sys Fail Indication, Electronic Parking Brake Indication, Brake system failure indication [BRAKE], Brk Sys fail Ind (EBD Included) - Man Park Brk Ind, Brk Sys fail Indication, Elec Park Brk Ind, Brk Sys fail Indication, Elect Park Brk Ind and EPB fail Ind, BSM Wake Up, BTSI, Bussed SRS Indicator Lamp Request, Button LEDs, Button Leds PWM Duty, Button symbol Back-Light PWM Duty, Buttons/Encoder Control-A/C Button, Buttons/Encoder Control-Auto Button, Buttons/Encoder Control-Back Button, Buttons/Encoder Control-Driver/Main Temp Down Button, Buttons/Encoder Control-Driver/Main

Temp Up Button, Buttons/Encoder Control-EBL (Rear Defrost) Button, Buttons/Encoder Control-Enter Button, Buttons/Encoder Control-ESP Button, Buttons/Encoder Control-Front Defrost Button, Buttons/Encoder Control-HVAC Power Button, Buttons/Encoder Control-Mute Button, Buttons/Encoder Control-Passenger Temp Down Button, Buttons/Encoder Control-Passenger Temp Up Button, Buttons/Encoder Control-Recirc Button, Buttons/Encoder Control-Rotary Blower Knob, Buttons/Encoder Control-Rotary Tuner Knob, Buttons/Encoder Control-Rotary Volume Knob, Buttons/Encoder Control-Screen Off Button, Buzzer, Calibration Sensor, Camera Washer, CARGO LIGHTS, Ceiling Light, Ceiling Light Front, Ceiling Light Rear Left, Ceiling Light Rear Left or Central, Ceiling Light Rear Right, Central high mounted Stop Light, Central Lock, Central Lock (Pass Side), Central Lock Relay, Central Stop Lamp, Central Unlock, Channel 1 Audio Output Status, Channel 10 Audio Output Status, Channel 11 Audio Output Status, Channel 12 Audio Output Status, Channel 13 Audio Output Status, Channel 14 Audio Output Status, Channel 15 Audio Output Status, Channel 16 Audio Output Status, Channel 17 Audio Output Status, Channel 18 Audio Output Status, Channel 19 Audio Output Status, Channel 2 Audio Output Status, Channel 20 Audio Output Status, Channel 21 Audio Output Status, Channel 22 Audio Output Status, Channel 23 Audio Output Status, Channel 24 Audio Output Status, Channel 3 Audio Output Status, Channel 4 Audio Output Status, Channel 5 Audio Output Status, Channel 6 Audio Output Status, Channel 7 Audio Output Status, Channel 8 Audio Output Status, Channel 9 Audio Output Status, CHARGE PLUG LOCK, CHARGE PLUG UNLOCK, Charge Port Lock Relay, Charge Port Unlock Relay, Check Engine (MIL) Lamp, CHMSL, CHMSL Control, CHSML and Stop/Turn Lights, Clearance Identification Lights Relay, Close Dynamic Braking, Comfort Closing And Opening, Comfort ClosingOpening, Comfort Enable, Command Key Unlock, Command Shift Lock, Compressor Cool Down, Compressor Running, Control chime, Courtesy Lamp 2, Courtesy Lamps Rear Dome Light, Courtesy/Convenient/Ambient Function, Courtesy-Convenient-Ambient Function, Cruise Control Lamp, Cushion Extender Motor, Cylinder 1 UniAir valve command, Cylinder 2 UniAir valve command, Cylinder 3 UniAir valve command, Cylinder 4 UniAir valve command, D LED State, D+ Repetition Relay Command, Dasm Safety Indication Adaptive Cruise Control, Dasm Safety Indication Normal Cruise Control, Day Lights, Day Lights Left, Day Lights Left - Right, Day Lights Left -Right, Day Lights Right, Day Run Light (DRL) Parking Light Left, Day Run Light (DRL) Parking Light Left LED, Day Run Light (DRL) Parking Light Right, Day Run Light (DRL) Parking Light Right LED, Day Run Light (DRL) Parking Turn Light Left, Day Run Light (DRL) Parking Turn Light Right, Daylights and Position Left, Daylights and Position Right, Daylights Halogen Left, Daylights Halogen Right, Daylights Left, Daylights Right, Daylights Xenon Left, Daylights Xenon Right, Deactivation Parking Sensor, Dead Lock Relay, DeadLock Relay, DeadLock Relay-Independent Driver Door Unlock, DEADLOCK-SECONDARY LOCK (FT), DEADLOCK-SECONDARY LOCK (RR), Dedicated Left DRL, Dedicated Right DRL, Defeat Engine ON, Diagnose valve, Diesel Fuel Heater, Dimming display, Dimming Graphics, Direct Backlight, Direction - VOLUME Encoder, Display Dimming, DNA Status LED 3, Door Ajar Indicator, Door Ajar Signal To Front Ceiling Dome, Door Handle Power, Door Locks, Door Open, Vehicle Does Not Lower, Door Puddle Lamp State, Door Status Led, Door Status LED Command, Doors status - deterrence LED, DOWN Select Button, Downstream lambda probe heater command, Drive Away function, Drive Braking - Close Direction, Drive Motor - Close Direction, Drive Motor - Open Direction, Drive style 2 LED, Drive Style 2 LED Command, Drive style 3 LED, Drive Style 3 LED Command, Driver Door Ajar, Driver Door Ajar Signal To Manual Transmission Automated, Driver Door Ajar Signal To MTA (Manual Transmission Automated), DRIVER DOOR LOCK LED, Driver Door Lock-Unlock, Driver Door Unlock, Driver Door Unlock Relay, Driver Doors Status - Deterrence LED, Driver heated seat relay command, Driver Seat Backrest Command, Driver Seat Lift Command, Driver Seat Slide Command, Driver Seat Tilt Command, DRIVER UNLOCK, Drivers Window Control, DRL - Front Park Lights, DRL Lamp, DRL Left, DRL Right, DRLs and Side Repeaters, DSU LED Command 1, DSU LED Command 2, DSU LED Command 3, Duct Sensor -

Panel Right, Dump Valve, Dump valve command, DZ AUTO button, DZ DRIVER TEMP DOWN button / SZ TEMP UP button, DZ DRIVER TEMP UP button / SZ TEMP UP button, DZ PASSENGER TEMP DOWN button, DZ PASSENGER TEMP UP button, EBD (Electronic Brake Distribution) safety indication, EBD Safety Lamp, EBD Warning Light, EBL (REAR DEFOG) button, EBL (REAR DEFOG) Indicator, ECM WAKEUP, ECO LED, ECO Led Command, ECO-LPG-SS-E-Costing LED Command, EGR DC Motor And Solenoid Valve, Elec Stabil Ctrl (ESC) Sys Intrvntn - fail Ind HILL HOLDER Sys, Electric Park Brake, Electric Park Brake Telltale, Electric Power Steering Failure Indication, Electric seat movement Relay, Electric Seat Movimentation Relay, Electronic Brake Distribution (EBD) safety indication, Electronic Parking Brake (EPB) failure indication, Electronic Stability Control (ESC) Indicator, Electronic Stability Control (ESC) OFF lamp indication, Electronic Stability Control (ESC) system deactivation, Electronic Stability Control Request, Emissions Failure Lamp, EMTC Encoder Power Return, EMTC Encoder Power Supply (5V), Enable sunroof unit, Enable The One Press All Unlock Feature, Enable Trailer Tow Lamps, Engine Misfire-EOBD Engine Fail DEF-UREA Fail, Engine Oil Pump Valve, Engine Speed Cluster, Engine Water Over Temperature, EOBD (Electronic On Board Diagnostic) failure indication, EOBD And Engine System Fault Lamp, EPB (Electric park brake) Button Led, EPB (Electric park brake) Red lamp, EPB (Electric park brake) Yellow lamp, EPB Auto Apply Control, EPB Button lamp, EPB Drive Away Control, EPB Function Lamp, EPB Switch Function LED, EPB switch lamp, EPS Adaptive Data Control, ESC - HILL HOLDER Sys Fail Indicator, ESC (Electronic Stability Control) Safety lamp, ESC (Electronic Stability Control) System Deactivation, ESC / Hill Holder Failure Lamp, ESC Button Lamp, ESC Failure Lamp, ESC OFF lamp, ESC Safety Lamp, ESC System Deactivation, ESP OFF Indicator, Evaporator Target Temperature, EVCU Wake Up, External Control Variable Displacement (ECVD), External Mirror Fold, External Mirror Unfold, External Temperature, Externalcrown Light Rear Left LED, Externalcrown Light Rear Right LED, Externally Controlled Variable Displacement (ECVD) Command (DC), F L Heat Seat Request - Output, F L Vent Seat Request - Output, F R Heat Seat Request - Output, F R Vent Seat Request - Output, Faceplate Controls (Eject Button), FAD Power Output, FAD Request Output, Fader Level Settings, Fader Settings, Fan Climate Relay, Fan Control, Fan Rotary Direction, Fault Message F1 -Service Air Suspension, FCW Indication Forward Collision Warning, Filtered Ambient Temperature, Flash Hazard Lamps on Lock, Flasher - Rear backup Left Light, Flasher - Rear backup Right Light, Flasher Front Left, Flasher Front Right, Flasher Rear - Lateral Left, Flasher Rear - Lateral Right, Flasher-Rear backup Left Light, Flasher-Rear backup Right Light, Flex Fuel reserve indication, Fog Front Light Left, Fog Front Light Right, Fog Lamp, Fog Lamps, Fog Light Led, Fog Lights, Fog Rear Light Or Second Backup Light, Forward Collision Warning, Forward Collision Warning OFF, Freeze Current State, Frequency Step Selection Tuner AM-FM, Frequency Step Selection Tuner FM2, Front Ceiling Light, Front Ceiling Light - Inadvertent Lights, Front Ceiling Light + Inadvertent Lights, Front Ceiling Light Command Enable, Front Defrost -Backlight, Front Defrost-Max Defrost Button, Front Dome Reading Light, Front Driver window lifter command, Front Driver Window Lifter Command Down, Front Driver Window Lifter Command Up, Front DRL Light Xenon, Front Fog Light Left, Front Fog Light Right, Front Fog Lights, Front Fog Lights Halogen, Front Foglights, Front Jet Wiper, Front Lateral Left Turn Lights, Front Lateral Right Turn Lights, Front Left Flasher, Front Left Heat Seat Request, Front Left Parking Light, Front Left Turn Lamp, Front Lock doors command, Front Mode Selected, Front Parking Light, Front Parklamps, Front Passenger window lifter command, Front Passenger Window Lifter Command Down, Front Passenger Window Lifter Command Up, Front Position Light Xenon, Front Position-DRL Light Halogen, Front Right Flasher, Front Right Heat Seat Request, Front Right Parking Light, Front Right Turn Lamp, Front Shut-Off Valve Request, Front Side Marker, Front Unlock, Front Vertical Motor, Front Wash, Front Washer Relay, Front Wash-Mist, Front Wiper, Front Wiper Hi Speed, Front Wiper Low-Int Speed, Front Wiper Motor, Front Wiper Test, Fuel Cap Indicator, Fuel Door Lock, FUEL DOOR UNLOCK, FUEL FILTER HEATER - PARK (L-R), Fuel Level low, Fuel Pump Relay, Fuel Type, GATED PARK

RELAY, Gear Lever Position Display Test, General Stop Function, Glow Plug / Cold Inhibit Lamp, Glow plug indication - Cold Start inhibition, HALOS Circuit, Haptic Motor, Hazard LED, HCSS WAKEUP, Head Lamp Wash, Head Lamp Washer Relay, Head Rest Actuation, Headlamp Delay Time, Headlamps, Headlamps On With Wipers, Heated Rear Window, Heated Rear Window Led Command, Heated Rear Window Relay, Heated Seat Left Request, Heated Seat Right Request, Heated Steering Wheel PWM Control, Heated Steering Wheel Request, Heated Steering Wheel Request - Output, Heater EBL, Heater Rear Mirror, Heater Rear Window, Heating Driver Command, Heating Passenger Command, Heating Steering Wheel Command, High Beam Enabled, High beam headlamp indication, High Beam Left, High Beam Lights, High Beam Right, High Beam Xenon with shutter, High Beams, High Beams Lights, High Beams Lights Halogen, High Side For Diesel Filter Heater Relay Command, HIGH SIDE POWER SEAT RELAY, High Speed Fan Relay, Hill Hold Indicator, Hill-Holder Safety indication, Hill-Holder Safety Lamp, Hill-Holder Safety Lamp-Message, Hood Ajar, Horizontal Headrest Motor, Horizontal Motor, Horn LS Driver, Horn Relay, Horn relay command, HSD 21W 1, HSD 21W 2, HSD 21W 3, HSD 21W 4, HSD FOR LED 1, HSD FOR LED 2, HSD RELAY 1, HSD RELAY 2, HSD RELAY 3, HSD RELAY 4, HSD RELAY 5, HSD RELAY 6, HSD RELAY 8, HUD Lighting Level, Humidity Sensor, Humidity Sensor Air Temperature, Humidity Sensor Dewpoint Temperature, Humidity Sensor Glass Temperature, Humidity Sensor Relative Humidity, HVAC A-C Indicator, HVAC AUTO Indicator, HVAC Backlight Control, HVAC Front DEF Indicator, HVAC Mode Button, HVAC Power (OFF) Button, HVAC POWER button, HVAC Rear DEF Indicator, HVAC REC Indicator, HVAC SYNC Indicator, Ice Led, IGNM Motor Control, Illuminated Approach Time, Immobilizer Antenna, In Motion Menu Control, Indicator Channel, Indicator Control-ESP Off Indicator, Indicator Control-Stop/Start Indicator, Indicator Lamp Airbag, Indicator LED Illumination Level, Indicator Leds Control, Injector 1 coil command, Injector 1 command, Injector 2 coil command, Injector 2 command, Injector 3 coil command, Injector 3 command, Injector 4 coil command, Injector 4 command, Inlet valve FL activation, Inlet valve FR activation, Inlet Valve Front Left, Inlet valve front left activation, Inlet Valve Front Right, Inlet valve front right activation, Inlet Valve Rear Left, Inlet valve rear left activation, Inlet Valve Rear Right, Inlet valve rear right activation, Inlet valve RL activation, Inlet valve RR activation, Instrument Panel Dimming, Instrument Panel Dimming, Interior Ambient Lighting, Interior Convenience Lamps, Interior Convenience Lamps 2, Interior Convenience Lamps 3, Interior Panel Dimming Lamps, Interior Panel Dimming Lamps 2, Interior Vanity Lamps, Internal Led Night Lights, Internal Night Lights, Internalcrown Light Rear Left LED, Internalcrown Light Rear Right LED, Inverter, Inverter Enable, Inverter Enable Command, Inverter Switch, IP dimming command, IP Run 1, IP Run 3, IP Run Start 1, IP Run Start 2, Key LED, Key LED PWM Duty, Key lock command, Key Solenoid Coil, Key Symbol Back-Light PWM Duty, KIN OFF LED, KIN RUN LED, KIN Start-Stop Button (SSB) LED, Knob LED control, Lamp Control, Lane Dep Warn (LDW) on Not Armed- on Armed- on Warn, Lane Departure Warning, Lane Departure Warning - on not armed- on armed- on warning, Lane Departure Warning (LDW) On Not Armed- On Armed- On Warning, Lane Departure Warning (LDW) user disabled (OFF), Lateral Anti Tilt Sensor, Lateral Anti-tilt X Sensor, LCD Back-Light PWM Duty, LCD Symbols, LDW (Lane Departure Warning), LDW on not armed- on armed- on warning, LED Lock Inhibition Rear Widows Lifter, Left (Front/Central/Rear) Turn Lights, Left (Front-Central-Rear) Turn Lights, Left (Front-Rear) Parking Lights, Left Air Distribution Motor, Left Air Mix Motor, Left Air Mix Servo Motor Target Position, Left Backup Lamp, Left Daytime Running Lamp, Left DRL, Left DRL Light, Left Front Fog Lamp, Left Front Park Lamps, Left Front Side Marker, Left Front Turn Signal, Left High Beam Lamp, Left Low Beam-HID, Left Park/Tail Lamp, Left Parking Lights, Left Rear Door Lock-Unlock, Left Rear Fog Lamp, Left Rear Park Lamp, Left Rear Park Lamps, Left Rear Stop Light (Fixed), Left Rear Tail Light, Left Rear Tail Light + Side Marker, Left Rear Turn Lights (EMEA), Left Rear Turn-Stop (NAFTA), Left Rear Turn-Stop Light (Fixed), Left Stop Lamps, Left Stop-Turn Lamp, Left Stop-Turn Trailer, Left Temp Down -Backlight, Left Temp Down Button, Left Temp UP -Backlight, Left Temp Up Button, Left Temperature Door

Position, Left Turn Indicator, Left Turn Light, Left Turn Light Front-Lateral, Left Turn Light indicator, Left Turn Light Status, Left Turn Lights, Left Turn Signal Lamp, Left turn signal lamp indication, Level Not Permitted, LF Turn Lamp/DRL, License Plate Lamps, License Plate Light, License Plate Lights, License Plate Lights Command, Light sensor, LIN Anti Tilt Sensor Check, LIN Line Request Check, LIN Siren Check, LIN Ultrasonic Sensors Check, Linear Solenoid SLB1 Output Current Value, Linear Solenoid SLC1 Output Current Value, Linear Solenoid SLC2 Output Current Value, Linear Solenoid SLC3 Output Current Value, Linear Solenoid SLT Output Current Value, Linear Solenoid SLU Output Current Value, Load Level, Lock - Unlock Steering Wheel, Lock Doors Command, Lock Rear Doors Relay, Longitudinal Anti Tilt Sensor, Loud Speaker Test, Low Beam Left, Low Beam Light, Low Beam Lights, Low Beam Lights Halogen, Low Beam Right, Low Beam Xenon, Low Beams, Low Fuel Lamp, Low Speed Fan Relay, Lower LED, Lowering, LPG Failure - Reserve, LPG Led Command, LR Door Ajar, LR DOOR LOCK LED, LR Stop/Turn Signal Lamp, LSD FOR LED 3, M LED State, Main-Left Temp Selected, Main-Left Temp. Door Position, Microphone Test, Mid Range Settings, Middle LED, Mid-Range Audio Level Settings, Mirror Direction, Mirror Heater, Mirror LED, Mirror Left LED State, MIRROR PUDDLE LIGHT L-R, Mirror Puddle Lights, Mirror Turn Signal Lamp State, Mode -Backlight, Mode Button, Mode Door 1 (Panel), Mode Door 2 (Defrost-Demist), Mode Door 3 (Floor), Module Self Test, Motor Brake State, MPFA Select Routine, MPFA Validate Routine, N LED State, Night lighting command, Night lights, N-Lock Solenoid State, O2 1/1 Heater Duty-Cycle, O2 1/2 Heater Duty-Cycle, O2 Heater Tests, OFF Button, Offroad Level 1, Offroad Level 2, On-Demand Self-Test, Open Dynamic Braking, Open-Close, Optical Horn, OPTIONAL HSD 1 PWM, OPTIONAL HSD 2 PWM, ORC RELAY CONTROL, Outlet valve FL activation, Outlet valve FR activation, Outlet Valve Rear Left, Outlet Valve Rear Right, Outlet valve RL activation, Outlet valve RR activation, P LED State, Paddle Shifter, PARK - SIGNATURE LEFT, PARK - SIGNATURE RIGHT, Park Assist Switch Simulation, Park LED, Park Light, Park Mode Level, Park Mode Pending, Parking and Plate Lights, Parking Assistant LED, Parking Position Lamp Indication, PARK-SIGNATURE LEFT, PARK-SIGNATURE RIGHT, Park-Tail Lamps, Passenger And Rear Door Unlock Relay, Passenger and Rear Doors Unlock, Passenger Door Ajar, PASSENGER DOOR LOCK LED, Passenger Door Lock-Unlock, Passenger Door Power Window, Passenger Door Unlock, Passenger Doors Status - Deterrence LED, Passenger Heated Seat Relay, Passenger heated seat relay command, Passenger seat Airbag manual deactivation indication, Pedals, Pedestrian Emergency Braking Indicator, Permanent Static System Fault, Pilot 1 (USV1-Normally Open), Pilot 2 (USV2-Normally Open), Pilot Valve 1, Pilot valve 1 activation, Pilot Valve 2, Pilot valve 2 activation, PLGM Drive Clutch Output, PLGM Drive Motor-Close Direction, PLGM Drive Motor-Open Direction, Position lamp indication, Position Light Relay, Power limitation function, Power Steering Failure Indication, Pressure feed valve 2 activation, Priming 1 (HSV1-Normally Closed), Priming 2 (HSV2-Normally Closed), Priming Valve 1, Priming valve 1 activation, Priming Valve 2, Priming valve 2 activation, PTC Control, PTC High Power (Relay), PTC Low Power (Relay), PTC Relay (33%), PTC Relay (66%), Puddle Light, Puddle Light Command Driver Side, Puddle Light Command Passenger Side, Puddle light Driver (Door handle and door panel), Puddle light Driver side, Puddle light Passenger (Door handle and door panel), Puddle light Passenger side, Puddle Light Rear Driver(Door Handle And Door Panel), Puddle light Rear Left (Door handle and door panel), Puddle Light Rear Passenger(Door Handle And Door Panel), Puddle light Rear Right (Door handle and door panel), Purge canister valve command, Purge Valve Duty-Cycle, QVPM Enable Command, R L Heat Seat Request - Output, R LED State, R R Heat Seat Request - Output, Radiator Fan 2, Radiator Fan 3, Radio List Enter Button, Radio mode selection, Radio Mute Backlight, Radio Mute Button, Radio Power Button, Radio Screen OFF Backlight, Radio Screen OFF Button, Rain and Automatic Lights Sensors Check, Raising, Raising Lowering Interrupted, RDM Fluid Level Check, RDU Range Fork Position, Ready To Drive, Rear Blower CFM, Rear Ceiling Light, Rear Ceiling Light - Inadvertent Lights, Rear Ceiling Light + Inadvertent Lights, Rear Ceiling Light 1st Row, Rear Ceiling Light 2nd Row,

Rear Ceiling Lights, Rear Defrost, Rear Defrost Backlight, Rear Department, Rear Dome Dimming Light, Rear Door Status LED, Rear Fog Light, Rear Fog Light / Side Marker Lights, Rear Fog Light or Second Backup Light, Rear Fog Light or Second Backup Light - Side Marker Lights, Rear Fog Light Status, Rear Fog Lights, Rear Fog Lights Left T2 Movable, Rear Fog Lights Right T2 Movable, Rear Fog Or Backup Lamp For Chile, Rear Fog T2 (Movable), Rear HVAC Blower Motor, Rear Left Parking Light, Rear Left Position Light, Rear Left Position Light Status, Rear Left Turn Light, Rear Left window lifter command, Rear Left Window Manual Mode, Rear Load Compartment Status LED Command, Rear Lock, Rear Parking Light - Side Markers, Rear Parking Light / Side Markers, Rear Parking Lights Command, Rear Parking Lights Command LED, Rear Reverse Light (Movable), Rear Right And Left Tail T2 (Movable), Rear Right Parking Light, Rear Right Position Light, Rear Right Stop Lamps, Rear Right Turn Lamp, Rear Right Turn Light, Rear Right Turn Lights, Rear Right window lifter command, Rear Right Window Manual Mode, Rear Shut-Off Valve Request, Rear Stop Lights (Movable), Rear Trunk light, Rear Turn Lights Left EMEA, Rear Turn Lights Right EMEA, Rear Vertical Motor, Rear Wash, Rear Washer Relay, Rear Wash-Wipe, Rear Window Washer, Rear Window Wiper, Rear Wiper Motor, Rec Motor, Recirc -Backlight, Recirculation Actuator, Recirculation Motor, Recliner Motor, RED Circuit, Reduce Speed, Redundant Ignition RUN-START Feed Output, Repetition Driver Door Open For MTA (NCR), Repetition driver door open for MTA (Robotic Gear), Reset Automatic Windows, Reverse Gear Light, Reverse Gear Light Status, Reverse Gear Lights, Reverse Lamp, RF Turn Lamp/DRL, Right (Front/Central/Rear) Turn Lights, Right (Front-Central-Rear) Turn Lights, Right (Front-Rear) Parking Lights, Right Air Mix Motor, Right Air Mixing Motor, Right Backup Lamp, Right Back-Up-Turn Lamp -Pillar, Right Daytime Running Lamp, Right DRL, Right DRL Light, Right Front Door Handle Power, Right Front Fog Lamp, Right Front Park Lamps, Right Front Side Marker, Right Front Turn Light-Lateral, Right Front Turn Signal, Right Low Beam-HID, Right Park/Tail Lamp, Right Parking Lights, Right Rear Door Handle Power, Right Rear Door Lock LED, Right Rear Door Lock-Unlock, Right Rear Fog Lamp, Right Rear Park Lamps, Right Rear Tail Light, Right Rear Tail Light (Fixed), Right Rear Turn Lights (EMEA), Right Rear Turn-Stop (NAFTA), Right Stop Lamps, Right Stop-Turn Lamp, Right Stop-Turn Trailer, Right Temp Down -Backlight, Right Temp Down Button, Right Temp Up -Backlight, Right Temp Up Button, Right Temperature Door 1 Position, Right Turn Indicator, Right Turn Light, Right Turn Lights, Right Turn Signal Lamp, Right turn signal lamp indication, RPS Power Supply (5V), RR Door Ajar, RR Stop/Turn Signal Lamp, Run, Run Acc 2, Run Relay, Run/Acc Relay, Run/Start Relay, Run-Acc Relay, Run-Start 1, Run-Start Relay, Safety indication, Safety Indication Adaptive Cruise Control, Safety Indication Forward Collision Warning, Safety Indication Normal Cruise Control, Satellite Digital Audio Radio Service (SDARS) Station Selection, Satellite digital audio receiver (SDAR) station selection, SBMT, SBMT (Supply Battery Monitoring Time), SBMT 0, SBMT2 (Supply Battery Monitoring Time), Screen Test Pattern, SDARS (Satellite Digital Audio Radio Service) Station Selection, SDC Status Red LED, SDC Status White LED, Seat belt unfastened Lamp, Seat belt unfastened Warning cycle, Seat Belt Warning Chime, Seek Status Tuner AM-FM, Seek Status Tuner DAB, Seek Status Tuner Digital Audio Broadcasting (DAB), Service Air Suspension, See Dealer Now -(Red Lamp), Set Engine RPM, Set Transercase Clutch Torque, Shift Lock Coil Command, Shift Lock Command, Shift Lock Control, Shift Solenoid S1 (ON-OFF Component), Shift Solenoid S2 (ON-OFF Component), ShiftLock, Short Term Control Motor Current, Side Marker, Side Marker Lamps, Side markers, Side Markers Command, SIDE TURN LEFT, SIDE TURN RIGHT, Simulator valve, Smart Bar Command, Solar Load Sensor Left, Solar Load Sensor Right, Sound Horn On Lock, Sound Horn On Remote Start, Sport Led, SS LED command, SSB BACKLIGHT Control, Standard Vehicle Level, Start Stop activation, Start Stop LED, START STOP button, Start Stop Lamp, Starter, Station Selection, Step Light, Stop - Position - Turn Left Light 1, Stop - Position - Turn Left Light 2, Stop - Position - Turn Right Light 1, Stop - Position - Turn Right Light 2, Stop - Position Left Light 1, Stop - Position Left Light 2, Stop - Position Right Light 1, Stop - Position Right Light 2, Stop - Start

LED, STOP - STOP TURN LEFT, STOP - STOP TURN RIGHT, Stop All Actuators, Stop And Start Led, Stop Lamp, Stop Light, Stop Light Left, Stop Light Right, Stop Light Status, Stop Parking Lights Left, Stop Parking Lights Right, Stop Parking Turn Lights Left 1, Stop Parking Turn Lights Left 2, Stop Parking Turn Lights Right 1, Stop Parking Turn Lights Right 2, Stop Trailer Lamp, Stop/Start Relay, Stop-Start Activation, StopStart LED, StopStart LED Command, Stop-Start Relay, Sunroof Abilitation, Sunroof Enable, SUNROOF MOTOR, Surge Valve Solenoid, System Disabled (Tire Jack Mode), System Temporarily Not Available, TAIL - SIDE MARKER LEFT, TAIL - SIDE MARKER RIGHT, Tailgate Ajar, T-Case Motor Brake HSD Output, T-Case Motor Brake LSD Duty Cycle, T-Case Motor Direction, Telltale ETC, Telltale Low Fuel, Telltale Oil, Telltale Transmission Temp, Telltale - EPS, Telltale - Park Lamp, Telltale -ABS, Telltale -Airbag, Telltale - Brake, Telltale -Charging, Telltale -Coolant, Telltale -Cruise Mode, Telltale -ESC Off, Telltale -ESC-BAS, Telltale -ETC, Telltale -Fog Front, Telltale -Glow Plug, Telltale -High Beam, Telltale -Low Fuel, Telltale -MIL, Telltale -Oil, Telltale -Position Lamps, Telltale -Rear Fog, Telltale -Seat Belt, Telltale - Tire Pressure Monitor, Telltale -Tow Mode, Telltale -Trans Temperature, Telltale -Turn Left, Telltale - Turn Right, Telltale -Water In Fuel, Telltale-Coolant, Telltale-Cruise Mode, Temperature Down Button, Temperature Up Button, Temperature Warning Lamp, Temporary Remote Start Disable, Test Pattern Display, Thatcham Lock Relay, Thatcham Unlock Relay, Theft LED, Tire Pressure Module (TPMS), Tire Pressure Module (TPMS), Tire Pressure Module (TPMS) not available-not programmed, Tire Pressure Warning Lamp, TMC (Tandem Master Cylinder) cut valve 1 activation, TMC (Tandem Master Cylinder) cut valve 2 activation, Top LED, TPMS, TPMS Failure Lamp, TPMS Generic Failure Lamp, TPMS Generic Failure Monitoring Lamp, TPMS Not Available - Not Programmed, TPMS Warning Light, Trailer Tow Park Lamp, Transponder Antenna Power, Treble Level Settings, Trunk Door Handle Power, Trunk Lamp, Trunk Latch Command relay, Trunk Light, Trunk Light + Inadvertent Lights, Trunk Opening Relay, Trunk Release Relay, Trunk-Gate, Tune Knob -Backlight, Turn - Rear backup Left Light, Turn - Rear backup Right Light, Turn Front Lateral Lights Left, Turn Front Lateral Lights Right, Turn Front Light Left, Turn Front Light Right, Turn Light, Turn Light Front - Lateral Left, Turn Light Front - Lateral Right, Turn Light Front Left, Turn Light Front Right, Turn Light Rear - Lateral Left, Turn Light Rear - Lateral Right, Turn Rear Backup Left Light, Turn Rear Backup Right Light, Turn Rear Lateral Lights Left, Turn Rear Lateral Lights Right, Turn Signal, Turn Signal Lamp Status, Twilight Sensor, UGDO, UGDO (Universal Garage Door Open) enable command, UGDO Theft Deterrent, Under Inflation Lamp, Under Inflation Monitoring Lamp, Universal Garage Door Open, Unlock Doors, Unlock doors command, Unlock Left Rear, Unlock Right Rear, UP Select Button, Upstream lambda probe heater command, User Interface Test, Vehicle Speed Cluster, Vehicle Speed-RPM, Vehicle Theft Alarm, Vertical Headrest Motor, Video Input Settings, VOLTAGE STABILIZER STATUS LED, Volume Knob -Backlight, VSO, VSO Regeneration Command, VTA Lamp, VVA Cylinder #1, VVA Cylinder #2, VVA Cylinder #3, VVA Cylinder #4, Warning Lamp, Waste gate valve command, Water In Fuel Filter Lamp Command, Wheel Speed Sensor Functional Test, WHITE 1 Circuit, WHITE 2 Circuit, Wind shield Wash, Wind shield wiper, Window Heater Led, Window lifter commands enable, Window lifter enable commands, Window Lifter Switch Enable, Windshield heater, Windshield Heater Relay, Windshield Washer, Windshield Washer Relay, Windshield wiper, Windshield Wiper Relay, Wiper Heater Control, Wiper Status

New Ford/Lincoln Coverage

- Added coverage for 164 new system applications

9 new Adjustment type special tests:

Active Torque Coupling Configuration, Interactive Vehicle Dynamics (IVD) Initialization Sequence, Occupant Classification System Module (OCSM) Reset, Relearn Vehicle Data - AWD, Reset KAM,

SASM Module Reset, Steering Angle Sensor Calibration, Steering Motor Angle Trim, Steering Toe Adjustment

251 new Actuation type special tests:

Button, % Of Total Fuel Mass To Be Delivered By Direct Inj -Commanded, (Cruise) Resume Switch, (Cruise) Set- Switch, (Cruise) Set+ Switch, * Button, 4WD-AWD Front Axle Disconnect - Clutch Commanded State, 4WD-AWD Power Transfer Unit - Clutch Commanded State, 4WD-AWD Power Transfer Unit - High Level Strategy Commanded, 4WD-AWD Rear Differential Unit Actuator -A- Requested Torque, 4WD-AWD Transfer Case Actuator -A- Requested Torque, ABS Valve Power Supply, Active Air Dam Position - Commanded, Active Grille Air Shutter -A- Position Commanded, Actuator Supply Voltage -B- Control State, Adaptive Cruise Distance Gap (-) Switch, Adaptive Cruise Distance Gap (+) Switch, Adaptive Front Lighting Fault, Air Conditioning Clutch Engaged, Air Conditioning Compressor Commanded State, Air Mode Actuator, Airbag Warning Indicator, All Warning Lamps, AM Button, Anti-Theft Horn Status, AUX (Auxiliary) Button, Auxiliary Blower Output, Auxiliary Transmission Fluid Pump Commanded, Battery Pack Coolant Ctrl Valve A - Output Ckt Energized, Blower Motor Speed, Brake Light Activation, Brake System Fault Indicator Lamp, Brake-Shift Interlock, Cabin Coolant Heater Control, Camera Power Control, Cancel Button, CCW Relay, CD Button, Center High Mounted Stop Lamp Output Control, Center Speaker Status, Center Tweeter Status, Commanded Equivalence Ratio (Air to Fuel Mixture) Bank 1, Commanded Equivalence Ratio (Air To Fuel Mixture) Bank 2, Continuous Vacuum Hublock Output Engaged, Coolant Overtemp, Coolant Pump -A- Control Speed - Commanded, Coolant Pump -B- Control Speed - Commanded, Courtesy Lamps, CW Relay, DC To DC Converter Enable, DC-DC Enable Status, Delayed Accessory Power, Desired Idle Speed (Rpm), Diesel Pre-Heater, Door Ajar Warning Indicator, Driver Heated Seat, ECO Mode, Eject Button, Electric Transmission Fluid Pump Control Duty Cycle - Commanded, Engine Coolant Bypass Valve Control Output, Engine Coolant Bypass Valve -D- Commanded to be Energized, Engine Oil Pressure Control Duty Cycle - Commanded, Enter Button, EVAP LDP Vac Sw Valve - Change Over From Vent To LDP, Evaporative Emission Canister Vent Valve, Evaporative System Leak Detection Pump Commanded State, Exhaust Flow Control Valve -A- Position - Commanded, Exhaust Flow Control Valve -B- Position - Commanded, Exhaust Heat Exchanger Bypass Valve A Control Signal Duty Cycle, Fan control high speed, Fan control low speed, Fan Speed Desired, FM Button, Four Wheel Drive Clutch Output, Front Blower Relay, Front Fog Lamp Indicator, Front Fog Lamps Request, Front Park Lamps Output, Front Window Down Output, Front Window Up Output, Fuel Fill Door Unlock Output - Commanded To Enable State, Fuel Gauge Indicator Control, Fuel Pump Relay, Generator Voltage Desired, Heater Control For HO2S 11 And HO2S 21, Heater Control For HO2S 12 And HO2S 22, HEV Ready Light, High Beam Indicator, Hill Descent Control, Hybrid-EV Traction Battery Thermal System Operational Levels, Hybrid-EV Wake Up - Commanded, Info (Information) Button, Instrument Illumination, Internal Voltage Boost Circuit State, Key (Removal) Inhibit, Lamp Control, Left Blend Door Position, Left Bottom Bolster Bladder Inflate Status, Left Cursor Down Arrow, Left Cursor Left Arrow, Left Cursor OK Button, Left Cursor Right Arrow, Left Cursor Up Arrow, Left Front Defrost Output, Left Front Dump, Left Front Speaker Status, Left Front Turn Signal Lamp Status, Left Front Tweeter Status, Left Headlamp Low Beam, Left Rear Dump, Left Rear Speaker Status, Left Rear Turn Signal Lamp Status, Left Rear Turn Signal-Trailer Relay Status, Left Rear Tweeter Status, Left Seat Back Heating PWM Control, Left Seat Cooling PWM Control, Left Seat Cushion Heating PWM Control, Left Side Bolster Bladder Inflate Status, Left Turn Signal Lamp Status, Line Pressure Control Desired, Load Shed Output Control, Low Fuel Warning Indication, Low Washer Fluid Warning, Lower Lumbar Bladder Inflate Status, Max Defrost, Menu Button, Mid-Lumbar Bladder Inflate Status, Mirror Fold Out Output, Motor Electronics Coolant Pump, Oil Pressure Low Indicator, Oil Pressure, On Demand Test, Output State Control Of Torque Converter, Over Drive (O-D) off, Passenger Heated Seat, PCM WAKEUP LINE, Phone

Button, Power Button, Power Fold Mirror Activation Status, Power Point Output Relay, Preset 0 Button, Preset 1 Button, Preset 2 Button, Preset 3 Button, Preset 4 Button, Preset 5 Button, Preset 6 Button, Preset 7 Button, Preset 8 Button, Preset 9 Button, Rear (Hvac) Mode Control Input, Rear Blower Control, Rear Defrost (Heated Backlight), Rear Fog Lamp Indicator, Rear Locking Diff Output Duty Cycle (Optional), Rear Park Lamps Output, Rear Temperature Flap Position, Rear Window Down Output, Rear Window Up Output, Reverse Lamp, Right Blend Door Position, Right Bottom Bolster Bladder Inflate Status, Right Cursor Down Arrow, Right Cursor Left Arrow, Right Cursor OK Button, Right Cursor Right Arrow, Right Cursor Up Arrow, Right Front Defrost Output, Right Front Dump, Right Front Isolation Valve, Right Front Speaker Status, Right Front Turn Signal Lamp Status, Right Front Tweeter Status, Right Headlamp Low Beam, Right Rear Dump, Right Rear Speaker Status, Right Rear Turn Signal Lamp Status, Right Rear Turn Signal-Trailer Relay Status, Right Rear Tweeter Status, Right Seat Back Heating PWM Control, Right Seat Cooling PWM Control, Right Seat Cushion Heating PWM Control, Right Side Bolster Bladder Inflate Status, Right Turn Signal Lamp Status, Run-Start Output Control, Safety Belt Warning Lamp, Seat Bladder Pump Status, Seat Bolster Deflate, Seat Bolster Inflate, Seat Cushion Bladder Inflate Status 1, Seat Cushion Bladder Inflate Status 2, Seat Cushion Bladder Inflate Status 3, Seat Cushion Bladder Inflate Status 4, Seat Cushion Extend, Seat Cushion Retract, Seat External LED, Seat Lumbar Downward, Seat Lumbar Pump, Seat Lumbar Upward, Seek Left Button, Seek Right Button, Shift Solenoid F Commanded Current, Shift Solenoid G Commanded Current, Shift Solenoid Pressure Control A, Shift Solenoid Pressure Control B, Shift Solenoid Pressure Control C, Shift Solenoid Pressure Control D, Shift Solenoid Pressure Control E, Shock Setting Button, Side Light Lamp, Side Mirror Heating Output Control, Side Mirror Turn Signal Lamp Control, Sounder Output Request, Spark Advance, Speed Control (ASLD) Switch, Speed Control Actuator Switch Off, Speed Control Actuator Switch On, Speed Control Cancel Switch, Speed Control Cancel-Resume Switch, Speed Control Gap Switch, Speed Control On-Off Cancel Switch, Speed Control On-Off Switch, Speedometer, Spotlight Mirror Output, Steering Effort Button, Stop-Start, Subwoofer Status, Tachometer Gauge Indicator Control, Temperature Gauge, Third Row Left Speaker Status, Third Row Right Speaker Status, Tire Pressure Telltale Status, Tone Button, Torque Converter Clutch Solenoid Commanded Current, Traction Control Indicator, Traction Control Off Indicator, Trailer Brake Output Circuit Duty Cycle - Measured, Trailer Tow Park-Tail Lamp Output, Trans Hydraulic Accumulator Sol Ckt - Commanded Energized, Transfer Case Shift Motor Pos Sense - Contact Plate Power Stat, Transmission System (Mil) Fault, Transmission Temperature Gauge Pointer Position, Turbo Boost Gauge Pointer Placement Command, Turbocharger Wastegate, Upper Lumbar Bladder Inflate Status, Variable Camshaft Timing Intake Desired Angle, Vehicle Mode, Video Output, Volume, Warning Lamp Status 1 - Charge Warning, Wiper Heater Output

New GM Coverage

- Added coverage for 287 new system applications

119 new Adjustment type special tests:

Adaptive Pressure Control Learn, Adjustable Pedal Calibration, Ambient Air Temperature Calculation Reset, Automated Brake Bleed, Backup Battery Timer Reset, BARO Sensor Reset, Brake Pedal Position Sensor Learn, Brake Pressure Sensor Calibration, Brake System Plunger Motor Position Sensor Learn, CAN Bus Configuration Learn, Cancel Camera Learn, Catalyst, Catalytic Converter Reset, Clear Disable History Data, Clear Driver Window Learned Values, Clear Left Rear Window Learned Values, Clear Manufacturer Enable Counter, Clear Passenger Window Learned Values, Clear Right Rear Window Learned Values, Clear Side Object Detection Disable History, Clutch Pedal Position Learn, Configure New Module, Control Module Reset, Copy And

Paste TPM Information, Crankshaft Pos Variation Learn, Crankshaft Position Reluctor Ring Learn, Cylinder Deactivation Exhaust Flow Valve Learn, DPF Pressure Sensor Reset, DPF Service Regeneration, DPF/Catalyst 2 Reset, Engine Air Filter Life Reset, Engine Coolant Control Valve Learn, Engine Coolant Flow Control Valve Learn, Engine Oil Life Reset, Excessive Clutch Slip Data Reset, Exhaust After Treatment Fuel Injector Reset, Exhaust Flow Control Valve Learn, Exhaust Gas Temperature Sensor Reset, Front Axle Brake Pad Life Monitoring Reset, Fuel Composition Reset, Fuel Filter Life Reset, Fuel Injection Small Quantity Data Reset, Fuel Injection Small Quantity Learning Odometer Reset, Fuel Pump Driver Control Module Configuration, Fuel Rail Pressure Relief Valve Learned Values Reset, Fuel Trim Reset, Gear Position Sensor Learn, Gear Selector -N- Position Learn, High Pressure Fuel Variable Reset, HO2S Heater Learn, HO2S Learned Values Reset, HVAC Actuators Learn, HVAC Afterblow Configuration, Idle Learn Reset, Info Display/Infotainment Faceplate Reset, Intake System Learned Values Reset, Invalidate All Fobs, Learned Values Reset, License Compliance Materials Download Error Counter Reset, Longitudinal Acceleration Sensor Learn, Nitrogen Oxides Catalytic Converter Reset, Nitrogen Oxides Sensor Reset, NOx Absorber Catalyst Data Reset, NOx Absorber Catalyst Reset, NOx Catalyst Reductant Loading Reset, NOx Catalyst Reset, NOx Sensor 1 Reset, NOx Sensor 2 Reset, O2 Heater Resistance Reset, Parking Assist Sensor Learn, Particulate Filter Regeneration, Particulate Matter Sensor Service Regeneration, Passenger Presence Sensor Learn, Power Steering Pressure Sensor Learn, Prime Fuel Pump, Program Key Fob 1, Program Key Fob 2, Program Key Fob 3, Program Key Fob 4, Radio Favorites Reset, Range Actuator Correlation Learn, Range Actuator Learn, Rear Axle Brake Pad Life Monitoring Reset, Rear Gate Driver Information Center Message Reset, Reductant Fluid Tank Level Reset, Reductant System Data Reset, Request Radio Registration, Reset High Voltage Disable Request After Crash Event Detected, Reset Particulate Filter, Reset Teen Driver Key PIN, RVS Disable History Reset, Setup SDM Part Number In BCM, Steering Gear Learned Values Reset, Steering Gear Replacement Procedure, Steering Wheel Angle Sensor Centering, Steering Wheel Angle Sensor Learn, Steering Wheel Angle Sensor Reset, Timing Belt Life Reset, Tire Pressure Reset, Tire Pressure Sensor Registration, Tire Pressure Sensor Signal Reset, Tire Type/Pressure Selection, Transmission Adaptive Pressure Reset, Transmission Clutch 1 Return Spring Learn, Transmission Clutch 1 Volume Learn, Transmission Clutch 2 Return Spring Learn, Transmission Clutch 2 Volume Learn, Transmission Clutch 3 Return Spring Learn, Transmission Clutch 3 Volume Learn, Transmission Clutch 4 Return Spring Learn, Transmission Clutch 4 Volume Learn, Transmission Clutch 5 Return Spring Learn, Transmission Clutch 5 Volume Learn, Transmission Service Fast Learn, Turbocharger/Supercharger Boost Control Initial Position Learn, Vehicle Dynamic Sensor Offset Calibration, WLAN Password Reset, WLAN Service Set Identifier (SSID) Reset, Yaw Rate Sensor Learn

438 new Actuation type special tests:

2WD High Indicator, 4WD High Indicator, 4WD Low Indicator, A/C Compressor Clutch, A/C Relay, ABS Left Front Solenoid Valves, ABS Left Rear Solenoid Valves, ABS Pump Motor, ABS Right Front Solenoid Valves, ABS Right Rear Solenoid Valves, AC Compressor Solenoid Valve, Accent Lighting 1, Accent Lighting 2, Accessory Power Relay, Accessory/RAP Relay, Accessory/Retained Accessory Power Relay, Activate Rear Park Brake Service Position, Active Grill Air Shutter 1, Active Grill Air Shutter 2, Active Grill Air Shutter System, Active Grill Shutter Test, Active Grille Air Shutter 2, Active Grille Air Shutter, Air Cleaner Monitor Setup, Air Recirculation Door Motor Direction, All Door Lock Unlock, All Indicators, Assist Step Courtesy Lamp, Assist Step Motor, ATC Neutral Indicator, ATC Range, Audio Source Control, Auto. Indicator - 4WD, Autostart/Autostop, Auxiliary Coolant Pump Speed, Auxiliary Coolant Pump, Auxiliary Ignition Run Relay, Auxiliary Transmission Fluid Pump, Backup Lamps, Blower Motor Speed, Blower Motor, Brake Booster Electric Vacuum Pump, Brake System Hydraulics Corner Test, Brake Transmission Shift Interlock

Solenoid Actuator, Camshaft Position Actuator, Cargo Lamp, CD, Center Brake Lamp, Center High Mounted Stop Lamp, Central Stop Lamp, Charge Air Cooler Coolant Pump Speed, Child Security Lock Indicator, Child Security Lock/Window Lockout Switch Indicator, Chime, Compression Test, Control Functions, Cooling Fan 2, Cooling Fan 3, Cooling Fan Motor, Cooling Fan, Courtesy Lamps, Crankcase Ventilation Heater, Cylinder 1 Injector Flow Identifier, Cylinder 2 Injector Flow Identifier, Cylinder 3 Injector Flow Identifier, Cylinder 4 Injector Flow Identifier, Cylinder Deactivation Exhaust Flow Control Valve, Cylinder Deactivation System, Cylinder Power Balance, Daytime Running Lamps, Deactivate Rear Park Brake Service Position, Depressurize Fuel System, Diesel Intake Air Flow Control Valve Position, Display Dimming, Display Test, Door Dead Lock Lock/Unlock, DPF Regeneration Enable, Driver Information Center Segments, Driver Mirror Fold, Driver Mirror Movement, Driver Seat - Blower Command, Driver Seat Back Horizontal Movement, Driver Seat Back Side Bolster Movement, Driver Seat Cushion Front Vertical Movement, Driver Seat Cushion Heating, Driver Seat Cushion Left Rear Haptic Movement, Driver Seat Cushion Rear Vertical Movement, Driver Seat Cushion Right Rear Haptic Movement, Driver Seat Horizontal Movement, Driver Window Motor, EGR Cooler Bypass Valve, EGR System Flow Deviation Service Bay Test, EGR Valve, Engage Front Axle, Engine Block Coolant Control Valve Position, Engine Controls Ignition Relay, Engine Controls Ignition Supply Voltage, Engine Coolant Control Valve Mode, Engine Coolant Control Valve Position, Engine Coolant Control Valve, Engine Coolant Fill, Engine Coolant Flow Control Valve Position, Engine Coolant Pump Relay, Engine Coolant Thermostat Heater, Engine Cooling Fan, Engine Mount Actuator Output 1, Engine Mount Actuator Output 2, Engine Oil Pressure Control Solenoid Valve, Engine Oil Type Setup, Engine Serial Number, Engine Speed Control, Engine Speed, Erase Valet Mode Code, EVAP Purge Solenoid, EVAP Purge/Seal, EVAP Service Bay Test, EVAP Vent Solenoid, Exhaust Aftertreatment Fuel Injector Flow Test, Exhaust Camshaft Position Actuator Bank 1, Exhaust Camshaft Position Actuator Bank 2, Exhaust Camshaft Position Actuator, Exhaust CMP Actuator Solenoid 1, Exhaust CMP Actuator Solenoid Bank 1, Exhaust CMP Actuator Solenoid Bank 2, Exhaust Flow Control Valve System, Exhaust Gas Recirculation Valve 2, Exhaust Gas Recirculation Valve Position, Exhaust Gas Recirculation Valve, Exhaust Gas Recirculation, Exhaust Pressure Regulator Valve Position, Exterior Driver Door Handle Switch, Exterior Left Rear Door Handle Switch, Exterior Passenger Door Handle Switch, Exterior Right Rear Door Handle Switch, Fog Lamps, Forward Collision Alert Switch, Front Axle Differential Lock High Control Relay, Front Axle Differential Lock Indicator, Front Axle Differential Lock Low Control Relay, Front Fog Lamps, Front Suspension Position Sensor Trim Height, Fuel Control Loop Status, Fuel Fired Heater, Fuel Heater, Fuel Injector Balance, Fuel Pressure Control - Regulator 1, Fuel Pressure Control - Regulator 2, Fuel Pressure Regulator 1, Fuel Pressure Regulator 2, Fuel Pressure Regulator, Fuel Pressure, Fuel Pump 2 Relay, Fuel Pump Enable, Fuel Pump, Fuel Rail Pressure, Fuel System High Pressure Test (Engine Runs), Fuel Trim Enable, GEN L-Terminal, Generator Regulator Setpoint, Glow Plug Self-Test, Glow Plugs, Green Indicator, Hands-Free Sensor Lamp Command, Hazard Lamps Switch Backlight, Head-Up Display Dimming Level, Head-Up Display Pattern Check, Heater Core Pump, High Beam, High Beams, High Fuel Pressure Limiter Valve Test, High Side Driver 1, High Side Driver 2, HO2S Bank 1 Sensor 1 - Heater, HO2S Bank 1 Sensor 2 - Heater, HO2S Bank 2 Sensor 1 - Heater, HO2S Heater Sensor 1, HO2S Heater Sensor 2, Horn Relay, Illuminate All Indicators, Inadvertent Load, Incandescent Dimming, Info Display Dimming, Info Display Test, Instrument Cluster Dimming, Instrument Cluster Gauge Sweep, Instrument Panel Illumination, Intake Air Flow Valve Motor, Intake Air Flow Valve Position, Intake Cam Position Actuator Park Lock B1, Intake Cam Position Actuator Park Lock B2, Intake Camshaft Pos Actuator Park Lock Solenoid B1, Intake Camshaft Pos Actuator Park Lock Solenoid B2, Intake Camshaft Position Actuator Bank 1, Intake Camshaft Position Actuator Bank 2, Intake Camshaft Position Actuator, Intake CMP Actuator Solenoid Bank 1, Intake CMP Actuator Solenoid Bank 2, Intake CMP Actuator Solenoid, Intake Manifold Runner Control Valve, Intake Manifold Tuning Valve Solenoid, Internal

Combustion Engine Autostart/Autostop, Key Fob Button Test, Lane Departure Warning Indicator, Lane Departure Warning Switch, LED - Rear - Red, LED - Rear - Yellow 1, LED - Rear - Yellow 2, LED Backlight Dimming, LED Test, Left Assist Step Motor, Left Auxiliary Tail and Stop Lamp, Left Backup Lamp, Left Daytime Running Lamp, Left Exterior Flood Lamp, Left Front Park Lamp, Left Front Park Lamp/Daytime Running Lamp, Left Front Shock Absorber Actuator, Left Front Turn Lamp, Left Front Turn Signal Lamp, Left Headlamp Low Beam, Left High Beam, Left Low Beam, Left Low Beam/Daytime Running Lamp, Left Rear Auxiliary Turn Signal Lamp, Left Rear Park Lamp, Left Rear Shock Absorber Actuator, Left Rear Turn Signal Lamp, Left Rear Turn Signal/Brake Lamp, Left Rear Turn Signal/Stop Lamp, Left Rear Window Motor, Left Side Marker Lamp Command, Left Stop Lamp, Left Tail Lamp, Left Temperature Door Motor Direction, Left Trailer Tail Lamp, Left Trailer Tow Turn/Stop Lamp, Left Trailer Turn Signal Lamp, Left Trailer Turn Signal/Stop Lamp Command, Left Turn Signal, License Plate Lamps, Liftgate Window Unlatch, Line PC Solenoid, Line Pressure Control Solenoid Valve, Loop Status, Low Beams, LR Turn Signal, Lumbar Forward/Backward, Lumbar Up/Down, MAF Sensor Supply Voltage, Malfunction Indicator Lamp, Mass Airflow Sensor, Mirror Folding Control, Misfire Graph, Mode Door Position, Next Available Slot, Nitrogen Oxides Catalytic Converter Reductant Loading Reset, O2 Sensor Heater Bank 1 Sensor 1, O2 Sensor Heater Bank 1 Sensor 2, O2 Sensor Heater Bank 2 Sensor 1, O2 Sensor Heater Bank 2 Sensor 2, Object Detection Alert Indicators, Outside Rear View Mirror Courtesy Lamp, Parking Assist Switch LED, Parking Lamps, Particulate Filter Regeneration Enable, Passenger Air Bag Off Indicator, Passenger Air Bag On Indicator, Passenger Mirror Fold, Passenger Mirror Movement, Passenger Seat - Blower Command, Passenger Seat Belt Reminder Indicator, Passenger Seat Belt Tension Sensor, Passenger Seat Cushion Heating, Passenger Window Motor, PC Solenoid 2, PC Solenoid 3, PC Solenoid 4, PC Solenoid 5, Phone Call Test, Pickup Bed Cargo Lamp, Power Mode Timeout, Pressure Control Solenoid Valve 2, Pressure Control Solenoid Valve 4, Pressure Control Solenoid Valve 5, Pressure Control Solenoid Valve, Proactive Alerts, Range Actuator Lock, Range Actuator, Read LIN Bus Device ID Information, Rear Axle Differential Lock High Control Relay, Rear Axle Differential Lock Indicator, Rear Axle Differential Lock Low Control Relay, Rear Brake Caliper Piston Extend, Rear Brake Caliper Piston Retract, Rear Cross Traffic Audible Alert, Rear Cross Traffic Visual Alert, Rear Defogger, Rear Defrost, Rear Differential Clutch Motor Current, Rear Fog Lamp, Rear Fog Lamps, Rear Upper Seat Back, Rear Washer Relay, Rear Wiper, Rearview Camera Display, Red Indicator, Reductant Heater 1, Reductant Heater 2, Reductant Heater 3, Reductant Heater, Reductant Injection Quantity Test, Reductant Injector, Reductant Pump, Reductant Purge Valve, Reductant System Leak Test, Reductant System Malfunction Warning Service Bay Test, Reductant System Tamper Warning Service Bay Test, RF Turn Signal, Right Assist Step Motor, Right Auxiliary Tail and Stop Lamp, Right Backup Lamp, Right Daytime Running Lamp, Right Exterior Flood Lamp, Right Front Park Lamp, Right Front Park Lamp/Daytime Running Lamp, Right Front Shock Absorber Actuator, Right Front Turn Signal Lamp, Right Headlamp Low Beam, Right High Beam, Right Low Beam, Right Low Beam/Daytime Running Lamp, Right Rear Auxiliary Turn Signal Lamp, Right Rear Park Lamp, Right Rear Shock Absorber Actuator, Right Rear Turn Signal Lamp, Right Rear Turn Signal/Brake Lamp, Right Rear Turn Signal/Stop Lamp, Right Rear Window Motor, Right Side Marker Lamp Command, Right Stop Lamp, Right Tail Lamp, Right Temperature Door Position, Right Trailer Tail Lamp, Right Trailer Tow Turn/Stop Lamp, Right Trailer Turn Signal Lamp, Right Turn Signal, RR Turn Signal, Run Crank Relay, Seat Back Horizontal Movement, Seat Back Side Bolster Movement, Seat Belt Retractor Motor, Seat Cushion Front Vertical Movement, Seat Cushion Rear Vertical Movement, Seat Horizontal Movement, Seat Lumbar Support Horizontal Movement, Seat Lumbar Support Vertical Movement, Secondary Air Injection Valve, Secondary Air Pump Control State, Security Indicator, Sensor Supply Voltage, Shift Lock Solenoid, Shift Solenoid 1, Shift Solenoid 2, Shift Solenoid Valve, Shift Transmission Gear, Shift Transmission, Shock Absorber Front Left, Shock Absorber Front Right, Shock Absorber Rear Left, Shock Absorber Rear Right,

Spark Retard, Speech Recognition, Starter Motor Relay, Starter Pinion Solenoid Actuator Relay, Starter Relay, Steering Column Tilt Down, Steering Column Tilt Up, Steering Wheel Angle Sensor Centering, Stop Lamp, Suspension Position Sensor Trim Height, TC Wastegate Solenoid, TCC Control Solenoid, TCC Pressure Control Solenoid Valve - Dynamic Test, TCC Pressure Control Solenoid Valve - Static Test, TCC Pressure Control Solenoid Valve, Throttle Position, Throttle Sweep, Torque Converter Clutch, Traction Control Left Front Solenoid Valves, Traction Control Left Rear Solenoid Valves, Traction Control Right Front Solenoid Valves, Traction Control Right Rear Solenoid Valves, Trailer Backup Lamps, Trailer Brake Duty Cycle, Trailer Brake Relay, Trailer Fog Lamps, Trailer Park Lamps, Trailer Stop Lamps, Transfer Case Clutch Engagement, Transfer Case Clutch Identifier, Transfer Case Range, Transmission Accumulator Solenoid Valve, Transmission Clutch Learn Status, Transmission Control Solenoid Valve 1 Current, Transmission Control Solenoid Valve 1, Transmission Control Solenoid Valve 10, Transmission Control Solenoid Valve 2 Current, Transmission Control Solenoid Valve 2, Transmission Control Solenoid Valve 3 Current, Transmission Control Solenoid Valve 3, Transmission Control Solenoid Valve 4 Current, Transmission Control Solenoid Valve 4, Transmission Control Solenoid Valve 5 Current, Transmission Control Solenoid Valve 5, Transmission Control Solenoid Valve 6 Current, Transmission Control Solenoid Valve 6, Transmission Control Solenoid Valve 7 Current, Transmission Control Solenoid Valve 7, Transmission Control Solenoid Valve 8 Current, Transmission Control Solenoid Valve 8, Transmission Control Solenoid Valve 9, Transmission Cooling Fan Duty Cycle, Transmission Park Valve Lock Solenoid Actuator, Transport Mode, Turbocharger Bypass Solenoid Valve, Turbocharger Vane Position, Turbocharger/Supercharger Boost Control Position, Vehicle Health Data Upload, Vehicle Level Control Compressor Relay, Vehicle Level Control Exhaust Valve, Wait to Start Indicator, Window Lockout Switch Indicator, Windshield Washer Pump, Windshield Washer Relay, Windshield Wiper Motor Relay, Windshield Wiper Motor, Windshield Wiper Relay, Wiper Washer Motor

New Coverage Details – USA Asian

New Honda/Acura Coverage

4 new Actuation type special tests:

Battery Fan High Speed Test, Battery Fan Low Speed Test, Battery Fan Mid Speed Test, Battery Fan Test

New Hyundai/Genesis Coverage

1 new Adjustment type special tests:

Variant Coding

3 new Actuation type special tests:

Shift Control Solenoid Valve A (Primary Pulley), Shift Control Solenoid Valve B (Secondary Pulley), Shift Control Solenoid Valve C (Clutch)

New Kia Coverage

3 new Actuation type special tests:

Shift Control Solenoid Valve A (Primary Pulley), Shift Control Solenoid Valve B (Secondary Pulley), Shift Control Solenoid Valve C (Clutch)

New Mitsubishi Coverage

7 new Actuation type special tests:

2/4 Clutch Volume Index Check, DC Clutch Volume Index Check, LC Clutch Volume Index Check, LR Clutch Volume Index Check, OD Clutch Volume Index Check, Transmission Verification Test, UD Clutch Volume Index Check

New Nissan/Infiniti Coverage

1 new Adjustment type special tests:

ALC Setting

50 new Actuation type special tests:

AEB Disp, ALC Disp, ALC Level, All Shock Absorber, ARC Disp 2, ARC Disp, ARC operation indication, ATC 1 Disp, ATC 2 Disp, ATC 3 Disp, ATC 4 Disp, ATC 5 Disp, Automatic Brake Hold Lamp Active, Automatic Brake Hold SW Lamp Active, Brake Actuator 1 Mode 1, Brake Actuator 1 Mode 2, Brake Actuator 1 Mode 3, Brake Actuator 2 Mode 1, Brake Actuator 2 Mode 2, Brake Actuator 2 Mode 3, Brake Actuator 3 Mode 1, Brake Actuator 3 Mode 2, Brake Actuator 3 Mode 3, Brake Hold Disp, Brake Hold Display, Command St Whl Forc, Command Steering Angle, ESS Active, ESS Relay Active, FL Shock Absorber, FL Tire Disp, FR Shock Absorber, FR Tire Disp, HDC DISP, HDC Display, Interrupt Disp, Master Warning Active, RL Shock Absorber, RL Tire Disp, RR Shock Absorber, RR Tire Disp, Stop Lamp Off Relay 1 Active, Stop Lamp Off Relay 2 Active, Stop Lamp ON Relay Active, Turn Disp, Turn display (LH), Turn display (RH), Vehicle Disp, VMC left turning operation indication, VMC Right turning operation indication

New Subaru Coverage

20 new Adjustment type special tests:

AT learning mode, ATF Deterioration Degree Indication, Clear AT Learning Value, Compressor Auto Mode, Foot/DEF Auto Mode, Foot/Def Automatic Fan Speed Increase Function, Fresh/Recircle Air Door Auto Mode, Idle Speed Adjustment, Initial Button Setting, Initial Security Setting, Inspection Mode After ATF,T/M Exchange, Mode/Vent II, Set Temperature Shift, Simple Roughness Monitor, Steering Angle Sensor and Lateral G Sensor 0 Point, Steering Angle Sensor and Neutral G Sensor 0 Point, Tire Pressure Sensor Registration, Variable compressor break-in drive, Variable Flow Change Sol Duty Setting, VIN Entry

221 new Actuation type special tests:

A/C Change Setting, A/C Compressor Relay, A/C Relay, A/T Oil Temperature, AAI Solenoid Valve, ABS Function Test, ABS Sequence Control Mode, ABS Warning, AC Compressor Relay, Active Grill Shutter Test, Airbag Warning, Airmix Dr Act Trgt Open Angle (Drivers), Airmix Dr Act Trgt Open Angle (Pass), All Lamps, All seat UNLOCK output, All seats door warning, Alternator control mode, Ambient Air Temperature setting, Ambient Temperature, AUTO switch mode setting, Auto Switch, AWD Linear Solenoid, AWD Mode Select, AWD Solenoid, AWD, Blower Fan Level Setting, Brake Lamp Lighting Operation, Brake Maintenance Mode, Brake Warning, Brightness, Canister Purge Control Solenoid, Charge, Check E/G warning, Clutch PC Solenoid 2, Clutch Pressure Control Solenoid Valve, Color Check, Color Check: Black, Color Check: Blue, Color Check: Cross Talking, Color Check: Gradation, Color Check: Green, Color Check: Red, Color Check: White, Compression monitor, Coolant Circulation Valve Control, Cruise Indicator, D range display, Dealer

Check Mode Procedure, Door Mirror Indicator Active Test, Down range display, Driver Door, Driver Seat Belt Reminder, Driver Seat Sensor Power Supply, Dual-Range LO Indicator, E/G remaining oil warning, EGR Control, EGR Valve Control (Duty), EGR Valve, ELCM pump, ELCM switching valve, EPB Active, EPB Hill Hold, EPS Indicator Lamp, Exhaust Control Valve Control, EYESIGHT failure, Fixed Idle Ignition Timing, FR Clutch Solenoid, Fresh/Rec Air Dr Act Trgt Open Angle, Front Fog Lamp Indicator, Fuel efficiency gauge (ECO gauge) 1/2 scale command, Fuel efficiency gauge (ECO gauge) 1/4 scale command, Fuel efficiency gauge (ECO gauge) 3/4 scale command, Fuel efficiency gauge (ECO gauge) MAX scale command, Fuel efficiency gauge (ECO gauge) MIN scale command, Fuel Pressure Solenoid, Fuel Pump Control, Fuel Pump OFF, Fuel Pump Relay, Fuel sender E-point command, Fuel sender F-point command, Fuel Tank Sensor Control Valve, Fuel Warning Lamp, Green LED Flashing, Green LED Lighting, Green LED Off, HBA OFF/FAIL, HBA, Heater Water Temperature Setting, HID auto leveler, High Beam Indicator, Hill start assist OFF/failure indicator, Horn Output, IGN 1, IGN 1/2, IGN 2, Illumination Lights Test, Immobilizer, Injection Quantity Control, Injection Stop Mode (Injector 1), Injection Stop Mode (Injector 2), Injection Stop Mode (Injector 3), Injection Stop Mode (Injector 4), Injection Stop Mode (Injector 5), Injection Stop Mode (Injector 6), Injector 1, Injector 2, Injector 3, Injector 4, Injector 5, Injector 6, In-Vehicle Air Temperature Setting, Keyless Buzzer, L range display, LANE OFF, LED LO beam, Left Steering Responsive Headlight, Line Solenoid, lock actual. LOCK output, Lock-Up Duty Solenoid, Low Fuel Warning Indication, LP - EGR Valve Control, Meter 1/2 scale command, Meter 1/4 scale command, Meter 3/4 scale command, Meter E scale command, Meter F-scale command, Mode Door Actuator Opening Angle Target, N range display, Night Brightness Check, No-key warning, Noon Brightness Check, Odometer numerical device display 0, Odometer numerical device display 1, Odometer numerical device display 2, Odometer numerical device display 3, Odometer numerical device display 4, Odometer numerical device display 6, Odometer numerical device display 7, Odometer numerical device display 8, Odometer numerical device display 9, Oil Pressure, P Range Display, Part Number, Passenger Door, Passenger Seat Sensor Power Supply, P-CR OFF, PCV Test, Position light, Power Meter (100%), Power Meter (-100%), Primary Down Solenoid, Primary Up Solenoid, R range display, Radiator Fan Relay, Range Display Test, Rear Defogger, Rear Differential Inspection Mode, Rear Fog Lamp Indicator, Rear Left Door, Rear Right Door, Red LED Flashing, Red LED Lighting, Red Led Off, Right Steering Responsive Headlight, ROM ID, Secondary Air Combi Valve 1, Secondary Air Combi Valve 2, Secondary Air Pump Relay, Secondary Solenoid Current, SET Indicator, Shift Indicator Lamp, Shift Lock Solenoid, Software Information, Software version, Sounder Output, Speaker On, Speedometer test, SRH OFF, SRVD OFF, SRVD, Start SW Character Illumination Lighted, Start SW Indicator Lighted (Green), Start SW Indicator Lighted (Orange), Steering lock power supply, STSW, Sub Fuel Pump Relay, Tachometer test, Temp Gauge: C-Lock, Temp Gauge: C-Point, Temp Gauge: Dial 1 Instructions, Temp Gauge: Dial 2 Instructions, Temp Gauge: H-Lock, Temp Gauge: H-Point, Temp Gauge: Intermediate Stability Indication, Temp Gauge: Z-Point, TPMS Warning Light, Trip meter numerical device display 0, Trip meter numerical device display 1, Trip meter numerical device display 2, Trip meter numerical device display 3, Trip meter numerical device display 4, Trip meter numerical device display 5, Trip meter numerical device display 6, Trip meter numerical device display 7, Trip meter numerical device display 8, Trip meter numerical device display 9, Trunk open, Trunk Unlock Actuator, Tuner Power Supply On (Indoor Tuner), Turbocharger Wastegate Control, Turn Left Signal, Turn Right Signal, Up range display, VDC Function Check Mode, VDC OFF indicator, VDC operation/failure indicator, Vent Valve, Warning Lamp, Washer Fluid Low Indicator, Water temperature (COOL) indicator, Water temperature (HOT) warning

New Toyota/Lexus Coverage

- Added coverage for 1925 new system applications

719 new Adjustment type special tests:

2 Steps Fade Out Control Function, 3rd Center Seatbelt Warning Buzzer Function, 3rd Left Seatbelt Warning Buzzer Function, 3rd Right Seatbelt Warning Buzzer Function, 4th Center Seatbelt Warning Buzzer Function, 4th Left Seatbelt Warning Buzzer Function, 4th Right Seatbelt Warning Buzzer Function, 6MT Setting, A/C Auto Switch Mode, A/C Control Mode Switching, A/C Operation Limit History Counter Clear, A/T Code Reset, aCol Function, Activate The EGR Valve Close Bank 1, Activate The VN Turbo Open Bank 1, Activate The VSV For Air Bleed Control, Active Rear Wing Control, Actuator Air Bleeding Pattern, Add Foot Air in FACE Mode, Advanced Illumination System Setting, Advanced Park Parallel Parking Control Area, Advanced Park Perpendicular Parking Control Area, Advanced Parking Guidance Avoidance Distance, Advanced Parking Guidance Parallel Parking Area, Advanced Parking Guidance Perpendicular Parking, AFS (Electronic Swivel) Function, AFS Function, AHS Function, AHS Operation Pattern Setting, AHS Operation Vehicle Speed Setting (Pattern1), AHS Operation Vehicle Speed Setting (Pattern2), AHS Operation Vehicle Speed Setting (Pattern3), Air Bleed, Air Bleeding - FL Line, Air Bleeding - FR Line, Air Bleeding - RL Line, Air Bleeding - RR Line, Air Bleeding Pattern - RL Wheel, Air Bleeding Pattern - RR Wheel, Air Bleeding, Air Conditioner Mode, Air Conditioner Switch Indicator Function, Air Inlet Damper Mode, Air Inlet Damper Targ Pulse, Air Inlet Mode, Air Outlet Servo Pulse (P), Air Purifier Auto Cancel, Air Purifier, All Readiness, All Unlock/Open-Close, Ambient Temperature Adjustment, Ambient Temperature Shift, Approach Display OFF, AT Code Registration, ATF Thermal Degradation Estimate Reset, Audio Information Display Function, Auto A/C, Auto Door Lock Pattern Setting (Speed), Auto Door Lock, Auto Entry Cancel 2 Setting, Auto Entry Cancel Setting, Auto Fold Mirror, Auto LightOff Timer, Auto Lock Time, Auto Lock, Auto Lock/Shift, Auto Mode Start Function, Auto Rear Wiper in Reverse Setting, Auto Unlock/Shift, Auto Wiper, Automatic Door Lock Function, Automatic Door Lock Setting, Automatic Door Unlock Function when D-Door Open, Automatic Door Unlock Function, Automatic Door Unlock Setting, Automatic Light Off Timing Setting, Automatic Locking after Getting Out Function, Automatic Locking Cancel Time Adjust, Automatic Locking Time Adjust, Automatic Locking Timeout Adjust, Automatic Mirror Fold Setting, Back Door Opening Operation, Back Door P/W UP when half-shut, Back Door Power Window Down, Back Door Power Window Up, Backup Battery Replacement Reset, Bad Weather Function, Battery Status Info Update, Blower Operation Setting (StopStart), Bluetooth Connection History, Body Control with Torque Demand, Body Ctrl with Torque Demand, Brightness Level Adjust (Canceling), Brightness Level Adjust (Lowering), BSM Approaching Vehicle Detection Timing Setting, BSM Buzzer Volume Adjust, BSM Master Abnormal History, BSM Mirror Indicator Brightness, BSM Slave Abnormal History, Button Press Buzzer, Camera Synchronous Error History, Center Console Spot Light, Clear Abnormal Operation History, Clearance Warning Buzzer Volume, Close ALL P/W Function, Closer Power Operation, Coming Home Light, Compressor Mode, Compressor/Air Inlet DEF operation, Control Mode, Cruising Range Reset, CVT Oil Pressure Calibration, D Seat Lift Up Buckle Operation Function, D Seat Lower Back Operation Away Function, D Seat Lower Cushion Operation Away Function, D Seat Lumbar Operation Away Function, D Seat Operation Interference Avoidance Function, D Seat Reclining Link Headrest F/R Length Function, D Seat Refresh Level Setting, D Seat Shoulder Operation Away Function, D Seat Side Back Support Operation Away Function, D Side Cushion Support Operation Away Function, D Window Auto Down, D Window Auto Up, Daylight Function, Daytime Running Light Function, DCM Operation History, Deceleration Sensor Zero Point Calibration, DEF(PSW/Lock) Mode Setting, Delay of Monitoring, Destination Setting, Detection of Vehicle, Diagnostic Mode, Disp Ex OFF Sen, Disp Ex ON Sen, Door Auto Lock Timer Setting, Door Handle Lock Button, Door Key Linked Back P/W DOWN, Door Key Linked Back P/W UP, Door Key P/W Down, Door Key P/W Up, Door Key Related Close, Door Key Related Open, Door Key Related Operation, Door Lock Answerback Sound Setting, Door Lock Indicator Function, Door Lock Indicator Pattern Setting (IG OFF), Door Lock Indicator Pattern Setting (IG ON), Door Open SW Operation Adjust, Door Unlock Mode, Door

Unlock Mode2, Door Unlock Sensor Touch Time Adjust, Door Unlock with 1 Motion, Double Door Lock Time Adjust, Double Door Unlock Setting, Double Lock, Drain System Air Bleeding Pattern, Driver Seat Distance Adjust when Get Off, Driver Seat Lift Up Distance Adjust when Get Off, Driver Seat RA Lumbar Support Oper, Driver Seat RA Pelvis Support Oper, Driver Seat RA Side Support Oper, Driver Seatbelt Warning Buzzer Function, Driver Side Seatbelt Warning Buzzer, DRL Function, ECB Utility, ECO Drive Indicator Light, ECO Drive Indicator Zone Display Function (Meter), ECO Drive Indicator Zone Display Function, ECO Drive Indicator Zone, ECO MODE Cancel, ECO Mode Control, ECO Mode Start Function, ECU Data Initialization, ECU Data Save And Write, Efficient Ventilation Mode, Electric Parking Brake System: Test Mode Procedure, Electronic Swivel Function, Emblem Sensor Detection Sensitivity, Emission Gas Sensor Shift, Engine Revolution (For Judging Stable Combustion), Engine Start Indicator, Engine Switch Light Function, Entry Delay Time, Entry Delay, Entry Unlock Twice Function, EPB Initialize, ESB Hydraulic-System Bleeding, ESP Control Unit: Restart, ESP Interchange Test, ESP Sensor Ring Test, EV Mode Cruising Range Reset, EV System Start Indicator, Evaporator Control, Extended Headlight Lighting, Exterior Light (Door Open), Exterior Light Control, Exterior Lights Lighting Timer Setting, Exterior Lights ON Function, Exterior Lights ON when Approached Function, Exterior Lights ON when Door Opened Function, Exterior Lights ON when Door Unlocked Function, FACE Wind Amount Adjust Function, Factory Mode, Fan speed increment control, FCTA Function ON/OFF State Stored, FCTA Warning Timing State Stored 1, FCTA Warning Timing State Stored 2, FCTA Warning Timing State Stored 3, Filter Sensor, FL Neck Heater Auto Mode Adjustment, FL Seat A/C and Heater Sensitivity Adjust, Flasher Sound Tone Setting, Flasher Sound Volume Adjust, Flasher Sound Volume Adjustment, Follow Me Home Lighting Time, Foot/DEF Auto Mode, Foot/DEF Automatic Blow Up Function, Forced Actuator Refresh, Forget to Turn IG OFF Alarm Function, Fr Rr Buzzer Freq, Fr Rr Buzzer Volume, Fr Corner Sensor Onset Range, FR Neck Heater Auto Mode Adjustment, FR Seat A/C and Heater Sensitivity Adjust, Fr Sensor Onset Range, Fr Side Sens Actuation Setting, Fr/Rr Seat Interference Avoidance Function (D), Fr/Rr Seat Interference Avoidance Function (P), Front Center Seatbelt Warning Buzzer Function, Front Passenger Side Seatbelt Warning Buzzer, Front Side Dist Sensor, Front SW Auto Operation, Glass Hatch Open Function, Grille Shutter Initialization, Halogen Lamp/HID, Hazard Answer Back Function, Headlight in Conjunction with Wiper, Headlight ON in Conjunction with Wiper Function, Headlight Upper Shade Angle Setting, Height Offset Rear Wheels, Height Sensor Initialization, High Voltage Fuse Accumulated Load History Reset, History Clear, HWD Auto Function, I/L ON W/Door Key Unlock, I/L when ACC OFF, ICS Function, ICS Stop Distance, ICS SW Status Memory, ID Registration/Tire Position Write, IG ON Key Out Warning, Ignition Available Area Setting (Back Door Type), Ignition Available Area Setting (Trunk Lid Type), Ignition Available Area, Illumination Module A1, Illumination Module A2, Illumination Module A3, Illumination Module A4, Illumination Module B1, Illumination Module B2, Illumination Module B3, Illumination Module B4, Illumination System, Initialization, Injection Timing Value, Injection Timing, Inside Foot Light, Instr-Panel Interference Avoidance Function (P), Integrated Current Value Initialization, Interior Footwell Lights Function, Interior Illumination Light 2 Function, Interior Illumination Light 3 Function, Interior Light Control, Interior Lights Lighting Timer Setting, Interior Lights ON Function, Intrusion Sensor 1 Sensitivity Level Adjust, Intrusion Sensor 2 Sensitivity Level Adjust, Intrusion Sensor Function, Intrusion Sensor Reduction in Sensitivity Setting, Intrusion Sensor Sensitivity Level (Window Open), Intrusion Sensor Sensitivity Level, Intrusion Sensor Sound Detection Function, Intrusion Win Opened, Intuitive P/A Auto Mute Function, Ion Generate Control, IPA Obstacle Avoidance Distance, IPA Parallel Parking Control Area, IPA Perpendicular Parking Control Area, Keep Sense Buzzer, Key Left in Vehicle Alarm Function, Key Low Battery Warning Function, Key Low Battery Warning, Key Out Range Warning, Key Remind Sound, Key Remind Volume, Kick Sensor Close Lock Function, Kick Sensor Operation Function with ACC ON, Lane Change Flashing Times Adjust, Lane Change Flashing Times Setting, Lane CHG Flash CNT, Language, Learning Value

Reset, Leave Buzzer Volume, Left the Key Prevention Funct (Battery Remove), Light Auto OFF Delay Setting, Light Auto OFF Delay, Light Blink Clearance Lights at Unlock Function, Light Control Glass Brightness Memory Function, Light Control Glass Voice Control Function, Light Control, Light up Clearance Lights at Door Unlock Function, Light up Clearance Lights Door Unlock Function, Lighting (EXT): Headlight Assembly Adjustment, Lighting Time, Linked Rear Wiper Washer, Lock Indicator Lighting Time Adjust, Lost Communication Time Initialization, Low Speed Wide Light Function, Manual Fr/Rr Seat Interference Avoidance Function, Master Caution Display Function, Memory Call Function, Memory Call Link Function, Mirr-Foot-Lgt Approached/Exterior Light Approached, Mirr-Foot-Lgt Unlocked/Exterior Light Unlocked, Mirr-Foot-Lgt w/Master SW, Mirror Foot Light Time/Exterior Light Time, MT/AT Setting, Multi Weather Light Function, Noise and Vibration Reduction, Non P/R Range Rear Sensor, Object Not Moving 3s Buzz Vol, ODO Display Time After IG OFF Adjust, ODO Display Time After IG OFF Setting, Off-Road Guidance Indicator, One Motion with Unlock Door, One Motion, One Touch Open/Close SW Operation Setting (RL), One Touch Open/Close SW Operation Setting (RR), Open Door Warning Function, Operation History Clear, Optical Disc Error History, Ottoman Return Position, Out-Handle-Lgt Approached, Out-Handle-Lgt Unlocked, Out-Handle-Lgt w/Master SW, Outside Air Mode Auto Switch Function, Outside Door Handle Fold Adjust, Outside PSD SW Operation(RL), Outside PSD SW Operation(RR), Oxygen Supply, P Auto Operation Interference Avoidance Function, P Seat Auto Switch Return Function, P Seat Lift Up Buckle Operation Function, P Seat Lower Back Operation Away Function, P Seat Lower Cushion Operation Away Function, P Seat Lumbar Operation Away Function, P Seat Operation Interference Avoidance Function, P Seat Pressure Correction Function, P Seat RA Return Operation Function, P Seat Reclining Link Headrest F/R Length Function, P Seat Refresh Level Setting, P Seat Shoulder Operation Away Function, P Seat Side Back Support Operation Away Function, P Side Cushion Support Operation Away Function, P Window Auto Down From Driver, P Window Auto Down, P Window Auto Up From Driver, P Window Auto Up, P/W Down W/ Transmit, P/W Operation Buzzer W/ Transmit Function, P/W Up W/ Smart, P/W Up W/ Transmit, P/W Wireless Ope Buzz, Panic Alarm Function, Panic Function, Park Wait Time Adjust, Park Wait Time, Partition Lighting Adjust, Passenger Seat RA Lumbar Support Oper, Passenger Seat RA Pelvis Support Oper, Passenger Seat RA Side Support Oper, Passenger Seatbelt Warning Buzzer Function, Passenger Take Key, Passive Mode (Security System), PBD Assist Close Operation, PBD Assist Open Operation, PBD Buzzer Function, PBD Buzzer Tone, PBD Buzzer Volume Adjust, PBD Close SW Press Condition, PBD Close SW Waiting Time, PBD One Motion, PBD Power Operation, PBD SW Operation, PBD/Emblem Sensor Function, PCS Alarm Activation Distance Retention Setting 1, PCS Alarm Activation Distance Retention Setting 3, PCS Cooperate Function, PCS Operation State Retention Setting, PCS Reminder Buzzer Sound, PCS Warning Sensitivity Retention Setting, PCS Warning Timing State Stored 3, Pilot Injection Volume Select Cylinder, Pilot Injection Volume Value, Pilot Injection Volume, PKSA (O) Auto Mute Function, PKSA (O) Forward Detection Image Display, PKSA (O) Image Display when Away from the Obstacle, PKSA (O) Judgment of Obstacle on Course, PKSA (O) Switch State Stored, PKSB (O) Function, PKSB (O) Target Stopping Distance, PKSB (P) Function, PKSB (P) Target Stopping Distance, PKSB (P) Width Adjustment (Y Axis), PKSB (V) Function, PKSB (V) Operation Timing Setting, PKSB (V) Sensitivity, PKSB Switch State Stored, Power Back Door Opening Adjust, Power Saving Wait Time(Out Of Entry Range), Power Steering ECU Initial Setting, Power Supply Air Bleeding Pattern 1, Power Supply Air Bleeding Pattern 2, Power Window Voice Control Function, Pre Air Conditioner Defrosting Function, Prevention of Key Left in Vehicle, Prohibition Flag of FHL Function, Projection Adjustment (Distortion), Projection Adjustment (Keystone), Projection Adjustment (Tilt), Proposal Service Frequency Adjust, Proposal Service Volume Adjust, Proposal Services Function, Provision of When Door is Half Open, Proximity Sound Control (Vehicle Stationary), Proximity Sound Level Increase (Vehicle Starting), Proximity Sound Volume Adjustment, PSD Buzzer (LH), PSD Buzzer (RL), PSD Buzzer (RR), PSD Buzzer Function (LH),

PSD Buzzer Function (RH), PSD Kick Sensor Sensitivity Adjust (LH), PSD Kick Sensor Sensitivity Adjust (RH), PSD One Touch SW Adjust (LH), PSD One Touch SW Adjust (RH), PSD One Touch SW Function (LH), PSD One Touch SW Function (RH), PSD Preparation for Open Function, PSD SW Operating Condition Setting (LH), PSD SW Operating Condition Setting (RH), PSD SW Operation (LH), PSD SW Operation (RL), PSD SW Operation (RR), PSD Wireless Function (LH), PSD Wireless Function (RH), PSD Wireless One Motion Function (LH), PSD Wireless One Motion Function (RH), PSD Wireless SW Setting (LH), PSD Wireless SW Setting (RH), P-Seat Auto Pattern, R Wiper Stop Function at Back Door/Trunk Lid Open, RA Ottoman Operation, Rain Mode, RCTA Function, RCTAB Function, RCTAB Operation Timing Setting, RCTAB Sensitivity, Rear A/P HI Set, Rear Center Seatbelt Warning Buzzer Function, Rear Curtain Close Relay, Rear Curtain Open Relay, Rear Left Master SW Shade Function, Rear Left Seatbelt Warning Buzzer Function, Rear Right Master SW Shade Function, Rear Right Seatbelt Warning Buzzer Function, Rear Seat Interference Avoidance Function (P), Rear Seatbelt Warning Buzzer Function, Rear Seatbelt Warning Buzzer, Rear Shade Delay Time, Rear Sunshade linked with Shift Lever R Funct, Rear SW Auto Operation, Rear Wiper INT Operation, Rear Wiper Interval Speed, Rear Wiper Retract Time, Rear Wiper Washer Function, Rear Wiper with Reverse Setting, Recog ECU H Temp Hist Reset, Refrigerant Pressure History Clear, Refrigerant Shortage Check, Relax with Ottoman Up, Relax with P-Seat Lift, Relax with P-Seat Slides, Remote Air Conditioner Start Setting, Remote Air Conditioner Stop Setting, Remote Door Lock Setting, Remote Eng Start Stop Setting (Trunk Lid Opened), Reset A/C Information, Reset Memory, Residential Area Mode Setting, Response Time Adjust, Return with Passenger Seat, Reverse Buzzer Setting, Reverse Coupled Actuation Mirror Angle Setting, Reverse Coupled Actuation Mirror Angle, Reverse Range Front Sensor, Rewipe Function, Right Headlight Shade Angle Setting, RL Back View Auto Memory Operation Function, RL Back View Memory Operation Slide Pos Setting, RL Business Mode Operation Site Change Function, RL Door Open Return Auto Function, RL Door Open Return Reinstatement Auto Function, RL Entertain Mode Operation Site Change Function, RL Entertain Mode P-Seat Target Position Setting, RL Interference Avoidance Operation Area Setting, RL Manual Ottoman Close Finish Buzzer Function, RL Memory Operation Ottoman Position Setting, RL Occupant Condition Setting, RL Ottoman Operation Buzzer Function, RL Pressure Correction Function, RL Refresh Spot Heater Upper Limit Temp Setting, RL Relaxation Mode Operation Site Change Function, RL Riding Position Operation Function, RL Seat A/C and Heater Sensitivity Adjust, RL Seat Back Finish Buzzer Function, RL Seat Back Operation Order Change Setting, RL Seat Heater Auto Function, RL Seat Lift Up Buckle Operation Function, RL Seat Operation Site Change Function, RL Warmth Refresh Heater Level Setting, RL Window Auto Down From Driver, RL Window Auto Down, RL Window Auto Up From Driver, RL Window Auto Up, Roof Opened Intrusion Function, Room Light when Aprchd, R-pos to Rear Sun Shade COM, RR Back View Auto Memory Operation Function, RR Back View Memory Operation Slide Pos Setting, RR Business Mode Operation Site Change Function, Rr Corner Sensor Long Distance Detection (Shift R), Rr Corner Sensor Onset Range, RR Door Open Return Auto Function, RR Door Open Return Reinstatement Auto Function, RR Entertain Mode Operation Site Change Function, RR Manual Ottoman Close Finish Buzzer Function, RR Memory Operation Ottoman Position Setting, RR Occupant Condition Setting, RR Ottoman Operation Buzzer Function, RR Pressure Correction Function, RR Refresh Spot Heater Upper Limit Temp Setting, RR Relaxation Mode Operation Site Change Function, RR Riding Position Operation Function, RR Seat A/C and Heater Sensitivity Adjust, RR Seat Back Finish Buzzer Function, RR Seat Back Operation Order Change Setting, RR Seat Heater Auto Function, RR Seat Lift Up Buckle Operation Function, RR Seat Operation Site Change Function, Rr Sensor Onset Range, RR Warmth Refresh Heater Level Setting, RR Window Auto Down From Driver, RR Window Auto Down, RR Window Auto Up From Driver, RR Window Auto Up, S-Belt-Bkl-Lgt/ACC OFF, S-Belt-Bkl-Lgt/Door Open, Scuff Plate Lamp linked to D-Door Unlock SW, Scuff Plate Lamp linked to Door open, Scuff Plate Lamp linked to Smart, Scuff Plate Lamp linked to Wireless Key,

Seat Airflow Mode Setting, Seat Belt Warning, Seat Blast Mode Setting, Seat Heater Auto Operation, Seat Lift Up Distance Adjust, Seat Move Distance, Seat Position Voice Control Function, Seat position/Tilt Telesco memory recall setting, Seat Switch Link Function, Seat Travel Distance, Seatbelt Information Indicator, Security Alarm Setting, Security Control with Mechanism Key Function, Security control with mechanism key, Security System, Sedan/Wagon Setting, Sensitivity Adjust, Sensitivity, Sensor Condition N, Servomotor Initialization, Set Temperature Shift, S-FLOW Control Auto Function, Shade Upper Area Lighting Function, Shift Control Synchronization, Shift Lever R Signal Delay Time Adjust, Shift Linked Automatic Door Lock Function, Shift Linked Automatic Door Unlock Function, Side Sensor Alarm Function, Side Sensor Onset Range, Slide Link Cushion Length Ctrl, Slide Link Hdrest Length Ctrl, Slide Roof Open Warning Function, Slide Roof Open Warning, Slide Roof Voice Control Function, Smart Back Door P/W Down, Smart Back Door P/W ON Time, Smart Back Door P/W Up, Software Error History, Sonar Mode, Speed Alarm Buzzer Function, Speed Limit Display Function, Speed Linked Automatic Door Lock Function, Speed Linked Automatic Door Unlock Function, Start Indicator Function, Start Off Mode, Start PreA/C, Start Switch Light Function, Starter Exchange, Steering Angle Sensor Calibration, Steering Heater Auto Function, Steering Heater Sensitivity Adjust, Step Light Lighting Time, Stop PreA/C, SUBARU/Toyota, Sudden Braking Notification Function, Suggestion Service Function, Switch Grille Shutter Control Mode, Switch Oil Maintenance Display, T1 RoomLamp BatterySave, Tacho Meter Mode, Tail Remind Buzzer Function, Tail Remind Buzzer, Telematics Microphone Volume Adjust, Telematics Speaker Volume Adjust, Temporary Mute Function, Temporary Mute Reset Speed Adjust, Timing Adjustment of PSD Prep for Open Function, Tire Circumference Setting, Tire Pressure Monitoring: Deactivating The Production Mode, Tire Pressure Sensor Registration, Torque Sensor Adjustment, Total Warm-up Time Setting, Touch Activation Over Threshold, Touch Panel Reaction Time Adjust (Multi Operation), Town Mode, Traffic Sign Recognition Animation Function, Trunk Lid Linked with Door Lock Function, Trunk Lid Open Mode Function, Trunk Lid Operation by Electrical Key Function, Trunk Lid Operation by Entry Function, Trunk Lid Operation, Trunk Link with Door Lock, Trunk Open Mode, Tunnel Beam Function, Turn by Turn Animation Function, Ultrasonic Sensor (Front Center) Detection Range, Ultrasonic Sensor (Front Corner) Detection Range, Ultrasonic Sensor (Rear Center) Detection Range, Ultrasonic Sensor (Rear Corner) Detection Range, Ultrasonic Sensor (Side) Alarm Detection Range, Ultrasonic Sensor (Side) Alarm Function, Ultrasonic Sensor Actuation (Shift N), Units By Region, Unlock 2 Operation, Unlock Key Twice Function, Unlock Key Twice, User Support Service Function, Usual Air Bleeding - All lines, Usual Air Bleeding - FL Line, Usual Air Bleeding - FR Line, Usual Air Bleeding - RL Line, Usual Air Bleeding - RR Line, Valet Mode Cancel, Video Device Connection Check(mm), Voice Guidance Function, VSC/TRAC/4WD Control Prevention Mode, Walk Away Lock after Getting Out Func (Closing), Walk Away Lock after Getting Out Function, Warm-up Time Setting, Warning by Glass Broken Sensor, Warning by Horn Function, Warning by Horn, Warning Time, Window Open Warning Function, Window Open Warning, Wiper Specification Switch, Wiper Voice Control Function, Wireless Auto Lock, Wireless Backdoor Open Operation Adjust, Wireless Buzzer Resp, Wireless Buzzer Response Function, Wireless Buzzer Vol, Wireless Buzzer Volume Setting, Wireless Buzzer Volume, Wireless Control Function, Wireless Control, Wireless Glass Hatch Open Operation Adjust, Wireless Glass Hatch Open, Wireless Key Related Close, Wireless Key Related Open, Wireless Key Related Operation, Wireless Lock Function with Doors Open, Wireless PBD Operation, Wireless Power Back Door Open, Wireless PSD Operation (RL), Wireless PSD Operation (RR), Wireless PSD SW Operation (LH), Wireless PSD SW Operation(RL), Wireless PSD SW Operation(RR), Wireless Trunk Lid Open Operation Adjust, Wireless Unlock Twice Function, Write VIN, Zero Point Calibration Sensitivity Check, Zero Point Calibration, Zero Point Sensor Calibration

1409 new Actuation type special tests:

2nd START Indicator, 4LO Indicator, 4WD AUTO Indicator, 4WD Auto Mode Indicator, 4WD Control Prevention Mode, 4WD Indicator (Green), 4WD Indicator (Yellow), 4WD Lock Indicator, 4WD Warning Indicator, 4WD Warning Light, 4WD Warning, A/C Idle Up VSV, A/F Control, A/M Servo Pulse(FR D), A/M Servo Pulse(FR P), A/O Servo Pulse(FR D), A/O Servo Pulse(FR P), A/O Servo Pulse(Rr D), A/O Servo Pulse(Rr P), A/T Indicator Operation 1, A/T Indicator Operation 3, A/T Oil Temperature Operation, ABS Front Left Hold Solenoid, ABS Front Left Release Solenoid, ABS Front Right Hold Solenoid, ABS Front Right Release Solenoid, ABS Indicator Lamp, ABS Rear Left Hold Solenoid, ABS Rear Right Hold Solenoid, ABS Rear Right Release Solenoid, ABS Solenoid (SFLH), ABS Solenoid (SFLR), ABS Solenoid (SFRH), ABS Solenoid (SFRR), ABS Solenoid (SRLH), ABS Solenoid (SRLR), ABS Solenoid (SRRH), ABS Solenoid (SRRR), ABS Solenoid, ABS Warning Light, A-C Driving Demand, Access to Rear Seat Signal, Accumulator Drive, Accumulator Valve (Downside), Accumulator Valve (Upside), Accumulator Valve, Accumulator Zero Down, ACM Inhibit, Activate DPF Rejuvenate (PM), Activate DPF Rejuvenate (S), Activate DS1 Solenoid, Activate DS2 Solenoid, Activate DSL Solenoid, Activate EGR Cooler Bypass VSV, Activate Fuel Pressure Switching Valve, Activate Fuel Route Switching Valve Relay, Activate Lock Up, Activate S1 Solenoid, Activate S2 Solenoid, Activate S3 Solenoid, Activate S4 Solenoid, Activate SL Solenoid, Activate SL1 Solenoid, Activate SL2 Solenoid, Activate SL3 Solenoid, Activate SL4 Solenoid, Activate SL5 Solenoid, Activate SLS Solenoid, Activate SLT Solenoid, Activate SLU Solenoid, Activate SR Solenoid, Activate ST Solenoid, Activate the (Inverter) Water Pump, Activate the 4WD Lock Light, Activate The ACC Cut Relay, Activate the Air Inlet Damper Target Pulse, Activate The Air Pump Heater, Activate the Charger Cooling Fan, Activate the Circuit Relay, Activate the Coolant Water Route Switching Valve 2, Activate The Coolant Water Route Switching Valve, Activate The EGR Valve Close, Activate the Electric Heater1 Relay, Activate the Electric Heater2 Relay, Activate the Electric Heater3 Relay, Activate The Electric Water Pump, Activate The Emergency Solenoid Valve, Activate the Engine Oil Pressure Control Valve, Activate the EVAP Purge VSV, Activate The FHL, Activate The Fuel Filler Opener, Activate the Fuel Pressure Discharge, Activate The Fuel Pump Speed Control, Activate The Fuel Pump2 Speed Control, Activate The Fuel Return Pipe Valve, Activate The Fuel Vapor-Containment Valve, Activate The Heater Water Pump., Activate the In-tank Fuel Pump Relay, Activate The LPG Solenoid Valve, Activate the Mirror Heater Relay, Activate The Power Window, Activate The Pre-Stroke Control Valve, Activate the Rear AC Magnet Valve, Activate The Return Solenoid Valve, Activate the Slip Indicator Light, Activate The Solenoid (DS1), Activate The Solenoid (SC1), Activate The Solenoid (SC2), Activate the Solenoid (SC3), Activate the Solenoid (SL6), Activate The Solenoid (SLC), Activate The Solenoid (SLG), Activate The Solenoid (SLN), Activate the Solenoid (SLS) High/Low, Activate the Solenoid (SLS) MAX/MIN, Activate The Solenoid(Sc), Activate The Solenoid(Slp), Activate The Starter Relay, Activate the TC Terminal, Activate The Vacuum Pump, Activate The VALVEMATIC After Warm Up, Activate The VALVEMATIC Before Warm Up, Activate The VN Turbo Cleaning, Activate The VSV For AICS, Activate The VSV For Canister Control, Activate The VSV For Evap Control, Activate The VSV For Exhaust Brake, Activate The VSV For Fuel Pressure Up Control, Activate The VSV For Intake Control, Activate The VSV For Purge Cut, Activate The VSV For Secondary Air Control, Activate The VSV For Swirl Control Valve, Activate The VSV For Tank Bypass, Activate The VSV For Vent Valve, Activate The Water Flow Valve 3, Activate The Water Flow Valve 4, Activate The Water Flow Valve 5, Activate The Water Pump, Activate Vent VSV, Active TRC Indicator, Active TRC Warning Indicator, ACTIVE TRC Warning, Adjustable Seat, Advanced Parking Guidance Indicator, Advice Display, AF/O2 Sensor Operation, AFS Alarm Display, AFS Indicator (Malfunction) Display, AFS OFF Indicator, AHS LH High Beam, AHS RH High Beam, Air Bypass Valve Solenoid, Air Cleaner Warning, Air Conditioner Auto Indicator, Air Inlet Damper (Rear), Air Inlet, Air Mix Damper (Driver Side), Air Mix Damper (Passenger Side), Air Mix Damper (Rear), Air Mix Servo Targ Pulse(D), Air Mix Servo Targ Pulse(P), Air Mix Servomotor Pulse D Side, Air Outlet (Front), Air Outlet (Rear), Air Outlet Damper (Driver Side), Air Outlet

Damper (Passenger Side), Air Outlet Damper (Rear), Air Outlet DEF, Air Outlet Rear FOOT (Driver Side), Air Outlet Rear FOOT (Passenger Side), Air Outlet Servometer Pulse (D), Air Purifier Mode, Air Purifier(Ion), Air Suspension Indicator - HI, Air Suspension Indicator - LO, Air Suspension Indicator - N, Air Suspension Indicator (HI), Air Suspension Indicator (LO), Air Suspension Indicator (N), Alternator Voltage Control, ARS Warning Light, Ashtray Light, ASL Indicator, ASL Warning, Assist Fan, AST Indicator, A-T Indicator Operation (2), A-T Indicator Operation (3), A-T Indicator Operation (4), A-T Indicator Operation (B), A-T Indicator Operation (D), A-T Indicator Operation (L), A-T Indicator Operation (N), A-T Indicator Operation (P), A-T Indicator Operation (R), A-T Indicator Operation (S), A-T Indicator Operation (Sport M), A-T Indicator Operation (Sport S), A-T Oil Temperature Warning, A-T P Warning, A-TRC(TRAC) Indicator Light, Audio / Heater IG, Audio / Heater Power Supply, Auto Air Conditioner Indicator, Auto High Beam Control Indicator, Auto High Beam Warning Indicator, Auto Leveling Headlamp Indicator, Auto Light, Auto LSD Indicator Light, Auto LSD Indicator, Auto Mode, Auto Oil Supply System, Auto Power OFF Cancel, Automated EVAP Test, Automatic High Beam Indicator (Green), Automatic High Beam Indicator (Yellow), Automatic High Beam Indicator, Automatic High Beam Operation, Automatic High Beam Switch Light, Automatic High Beam, Auxiliary Battery Charge Warning, Auxiliary Battery Warning, AVS Comfort Indicator, AVS Sports Indicator, Back Door Select, Back Door Sensor Power Supply, Backup Relay, Batt Cool Down Servo Targ Pls, Battery Magnetic Valve, Beep, BH Operated Light, BH Standby Indicator, BH Standby Light, Blind Spot Monitor Indicator, Blower Level, Blower Motor, BR2-BL2 Heater, BR5-BL5 Heater, Brake Ejector VSV, Brake Hold Indicator, Brake Indicator Lamp, Brake Lining Wear Warning, Brake Override Indicator, Brake Override Warning, Brake Warning Light, Brake Warning, BSM Indicator, BSM OFF Indicator, BSM State, BSM Switch Indicator (Daytime), BSM Switch Indicator (Night/ Moving), BSM Switch Indicator (Night/ Stopped), Buzzer Operation (1.6khz, Vol S, W-O Damping), Buzzer Operation (2.0khz, Vol S, W-O Damping), Buzzer Operation (2.4khz, Vol L, W-O Damping), Buzzer Operation (800hz, Vol L, W- Damping), Buzzer Operation (800hz, Vol L, W-O Damping), Buzzer Operation (800hz, Vol S, W- Damping), Buzzer Operation (800hz, Vol S, W-O Damping), Buzzer, Cancel Communication Function Pausing, Cargo Light, Catalyst OT Misfire Prevention F/C, Ceiling Light, Cent Consol Spot LGT, Center DIFF LOCK Indicator, Charge Indicator Lamp, Charge Indicator, Charge Warning (Red), Charge Warning Indicator, Charge Warning, Check Display, Check Engine Lamp, Check Engine Warning, Check Mode, Check The Imbalance Cylinder, Clearance Light (+ Front Side Marker Light), Clearance Light, Clearance Sonar Indicator (Daytime), Clearance Sonar Indicator (Night Running), Clearance Sonar Indicator (Night Stopping), Clearance Sonar LCD Indicator, Clearance Sonar Switch Activation, CNG Mode Indicator, Collision Door Lock Release, Color Test Screen (Adjustment), Color Test Screen (Black), Color Test Screen (Blue), Color Test Screen (Color Bars), Color Test Screen (Green), Color Test Screen (Red), Color Test Screen (White), Compression Check, Compression Test, Compressor Motor Relay, Compressor Target Speed, Connect The TC And TE1, Control ETCS Open/Close - Fast, Control ETCS Open/Close - Slow, Control The A/C Cut Signal, Control The A/C Magnet Clutch, Control the ACIS VSV Motor Duty Ratio, Control The All Cylinders Fuel Cut(CNG), Control The All Cylinders Fuel Cut, Control The C/D, Control the Cylinder#1 Fuel Cut, Control the Cylinder#2 Fuel Cut, Control the Cylinder#3 Fuel Cut, Control the Cylinder#4 Fuel Cut, Control the Cylinder#5 Fuel Cut, Control the Cylinder#6 Fuel Cut, Control the Cylinder#7 Fuel Cut, Control the Cylinder#8 Fuel Cut, Control The EGR Step Position Bank 1, Control The EGR Step Position, Control The EGR System, Control The Electric Cooling Fan, Control the Electric Thermostat Duty Ratio, Control the Engine Cooling Fan Duty Ratio, Control The ETCS Open/Close Fast Speed, Control The ETCS Open/Close Slow Speed, Control The Exhaust Exterior Valve Angle, Control the Exhaust VVT OCV Duty Ratio Bank 1, Control the Exhaust VVT OCV Duty Ratio Bank 2, Control The Fuel Pump / Speed, Control the Fuel Pump Duty Ratio, Control The Idle Fuel Cut Prohibit, Control The Injection Mode, Control The Injection Volume For A/F Sensor, Control The Injection Volume(CNG), Control the Intake VVT OCV Duty

Ratio Bank 1, Control the Intake VVT OCV Duty Ratio Bank 2, Control The Intercooler Water Pump, Control The Line Pressure Up, Control The Lock Up, Control the Motor/Generator Cooling Oil Pump, Control The Select Cylinder Fuel Cut, Control The Selected Cylinder Fuel Cut, Control the Shift Area (CVT), Control the Shift Position 4 Speed, Control the Shift Position 6 Speed, Control The Shift Position, Control The Shift Ratio (CVT), Control The Supercharger, Control the Target Fuel Pressure Offset, Control the Transmission Oil Pump, Control The VVT Linear (Bank1), Control The VVT System (Bank1), Control the VVT-iE Linear (Bank 1), Control the VVT-iE Linear (Bank 2), Control the Wastegate Valve Duty Ratio, Cool A/M Servo Pulse(D), Cool A/M Servo Pulse(P), Cool Air Bypass Damper (Driver Side), Cool Air Bypass Damper (Passenger Side), Cool Air Bypass Pls(P), Cool Air Bypass Pulse, Coolant Cool Warning Lamp, Coolant Hot Warning Lamp, Cooling Electric Expansion Valve, Cornering Lamp Test, Cornering Light, Cornering Light-Front Side Illuminate Light (Dim), Cornering Light-Front Side Illuminate Light, Courtesy Light, Courtesy SW Signal, Crawl Control Light, CRAWL Indicator, CRAWL Warning Indicator, CRAWL Warning, Cruise Control-PCS-LKA Buzzer, Cruise Indicator (Yellow), Cruise Indicator, Cushion Length, Cylinder Balance #1, Cylinder Balance #2, Cylinder Balance #3, Cylinder Balance #4, Cylinder Balance #5, Cylinder Balance #6, Cylinder Balance #7, Cylinder Balance #8, Cylinder Compression Check, D-4S (A/F Control), D-4S (Fuel Cut), D-4S (Injection Volume), DAB Indicator Light, Damper Step FL (Electric Current), Damper Step FL, Damper Step FR (Electric Current), Damper Step FR, Damper Step RL (Electric Current), Damper Step RL, Damper Step RR (Electric Current), Damper Step RR, Day/Night Time signal, Daytime Running Light, DCM Firmware Update, D-Door Unlock, DEF A/O Servo Pulse(D), Defogger Control, Defogger Relay Rear, Dehumidification Magnetic Valve, Deicer Relay Front, Delivery Heater, Delivery Shut Valve, Diesel Particulate Filter Warning, Diesel Throttle Target Angle #2, Diesel Throttle Target Angle 2, Diesel Throttle Target Angle Bank 1, Diesel Throttle Target Angle, Diffuse Pulse(R), Dimmer Signal, Disconnect System Function Check, Display Mode, Door Illumination 1, Door Illumination 2, Door Lock Indicator, Door Lock, Door Lock/Unlock Status Lamp, Door Open Warning, Door Unlock, Double Lock Unset, Downhill Assist Control Indicator, Downhill Assist Control Light, Downhill Assist Control Warning, Drift From The Lane Indicator, Drift From The Lane Warning, Drift From The Lane, Drive Swivel Motor LH LEFT, Drive Swivel Motor LH, Drive Swivel Motor RH RIGHT, Drive Swivel Motor RH, Drive The Leveling Motor, Driver Seat Sensor Power Supply, Driver Side Door Open, Driver Side Seat Belt Warning, Driver Side Seat Belt, Dr-Seat Outside Transmitter, Dr-Seat Select, D-Seat Outside Transmitter, D-Seat Select, DSS Signal Buzzer, DSU Solenoid, Easy Access Buckle, EBS Relay, ECB Control Invalid, ECB Main Relay 2, ECB Main Relay, ECB Main Relay2, ECB Motor Relay, ECB Motor Relay2, ECB Solenoid (SC1), ECB Solenoid (SC2), ECB Solenoid (SCC), ECB Solenoid (SGH), ECB Solenoid (SLA) Valve Close, ECB Solenoid (SLA), ECB Solenoid (SLAFL) Valve Close, ECB Solenoid (SLAFL) Valve Open, ECB Solenoid (SLAFL), ECB Solenoid (SLAFL2), ECB Solenoid (SLAFR) Valve Close, ECB Solenoid (SLAFR) Valve Open, ECB Solenoid (SLAFR), ECB Solenoid (SLAFR2), ECB Solenoid (SLARL) Valve Close, ECB Solenoid (SLARL) Valve Open, ECB Solenoid (SLARL), ECB Solenoid (SLARL2), ECB Solenoid (SLARR) Valve Close, ECB Solenoid (SLARR) Valve Open, ECB Solenoid (SLARR), ECB Solenoid (SLARR2), ECB Solenoid (SLR) Valve Close, ECB Solenoid (SLR), ECB Solenoid (SLRFL) Valve Close, ECB Solenoid (SLRFL) Valve Open, ECB Solenoid (SLRFL), ECB Solenoid (SLRFL2), ECB Solenoid (SLRFR) Valve Close, ECB Solenoid (SLRFR) Valve Open, ECB Solenoid (SLRFR), ECB Solenoid (SLRFR2), ECB Solenoid (SLRRL) Valve Close, ECB Solenoid (SLRRL) Valve Open, ECB Solenoid (SLRRL), ECB Solenoid (SLRRL2), ECB Solenoid (SLRRR) Valve Close, ECB Solenoid (SLRRR) Valve Open, ECB Solenoid (SLRRR), ECB Solenoid (SLRRR2), ECB Solenoid (SMC), ECB Solenoid (SMC/SRC/SCC), ECB Solenoid (SMC1), ECB Solenoid (SMC2), ECB Solenoid (SMC-SRC-SCC), ECB Solenoid (SRC), ECB Solenoid (SSA), ECB Solenoid (SSC), ECB Warning Indicator, ECB Warning Light, ECB Warning, ECO Mode Indicator, ~~ECONO Indicator, ECT PWR Indicator, ECT SNOW Indicator, EGR Cut VSV, EGR Step~~

Position #2 Control, EGR Step Position, Electric Heater1, Electric Heater2, Electric Heater3, Electric Water Heater, Electric Water Pump, Electrical Fan, Electromagnetic Oil Pump, Emergency Call Cancellation, Emergency Exit Warning, Emission Pulse(R), Enforced Driving FHL Warning Trigger, EPB Auto OFF Indicator, EPB Control Switch, EPB Warning Light, EPS Warning, EV Drive Indicator, EV Mode Indicator, EV System Warning Lamp, Evaporator Magnetic Valve, Exhaust Bypass VSV Control, Exhaust Gas VSV Control, Exhaust Shutter VSV, Exhaust Solenoid1, Exhaust Solenoid2, Exhaust Switching VSV, EXO, Extended Illumination 1, Extended Illumination 2, Exterior Lighting SW, Extra High Beam, Face A/O Servo Pulse(D), Face A/O Servo Pulse(P), Face Direction Check, FL Gas Spring Switch Valve, FL Wheel Up/Down, Flash Handle Fold, Flash Handle Return, Fold/Unfold Mirrors, Foot A/O Servo Pulse(D), Foot A/O Servo Pulse(P), Foot Light, Four-Wheel Damping Force Full Hard, Four-Wheel Damping Force Full Soft, Fr Control Rear Air Outlet Damper Servo Motor, FR Gas Spring Switch Valve, FR Wheel Up/Down, Front Air Mix Damper Control Servo Motor, Front Air Outlet Damper Control Servo Motor, Front Buzzer, Front Deicer Relay, Front Evaporator Magnetic Valve, Front Fog Lamp Indicator, Front Fog Light Relay, Front Fog Light, Front Foot Light, Front Footwell Lights, Front Gate Valve, Front Left Air Mix Damper Control Servo Motor, Front Left Air Outlet Damper Control Servo Motor, Front Left Height Solenoid, Front Left Seat Blower, Front Left Seat Heater, Front Left Solenoid, Front Left Wheel Up/Down, Front Passenger Side Door Open, Front Passenger Side Seat Belt, Front Right Air Mix Damper Control Servo Motor, Front Right Air Outlet Damper Control Servo Motor, Front Right Height Solenoid, Front Right Seat Blower, Front Right Seat Heater, Front Right Solenoid, Front Right Wheel Up/Down, Front Sliding Sunshade, Front Vertical Operation, Front Vertical, Front Washer Relay, Front Washer, Front Wheel Up by Accumulator, Front Wheel Up/Down, Front Wiper Hi Operation, Front Wiper Lo Operation, Front/Rear Buzzer, Fr-Seat Inside Transmitter, Fuel Cap Reminder Warning, Fuel Consumption Meter Operation, Fuel Cooler Solenoid Valve, Fuel Cooler VSV, Fuel Cut Bank 2 For Idle, Fuel Filler Opener, Fuel Filter Indicator, Fuel Filter Warning, Fuel Gauge Indicator, Fuel Gauge Operation (1-2), Fuel Gauge Operation (1-4), Fuel Gauge Operation (3-4), Fuel Gauge Operation (Empty), Fuel Gauge Operation (Full), Fuel Gauge Operation (Sender E), Fuel Gauge Operation (Sender F), Fuel Gauge Operation (Warning), Fuel Gauge Operation For CNG (1-2), Fuel Gauge Operation For CNG (1-4), Fuel Gauge Operation For CNG (3-4), Fuel Gauge Operation For CNG (Empty), Fuel Gauge Operation For CNG (Full), Fuel Gauge Operation For CNG (Sender E), Fuel Gauge Operation For CNG (Sender F), Fuel Gauge Operation For CNG (Warning), Fuel Indicator (CNG), Fuel Indicator Lamp, Fuel Injector Timing, Fuel Leak Test, Fuel Lid Lock Relay, Fuel Lid Opener, Fuel Lid, Fuel Meter Operation (CNG), Fuel Meter Operation (Reductant), Fuel Meter Operation, Fuel Pressure Relief Valve Open, Fuel Pump - Duty Cycle, Fuel Pump Duty Control, Fuel Pump Duty, Fuel Pump Relay, Fuel Pump Single Phase Energization (U Phase), Fuel Pump Single Phase Energization (V Phase), Fuel Pump Single Phase Energization (W Phase), Fuel Pump Single Phase Energization, Fuel Pump Speed Control, Fuel Vapor-Containment Valve, Fuel Warning (CNG), Glass Hatch Open Operation, Glass Hatch Open, GLOW Warning, Go to Dealer Indicator, Go To Service Warning, Green Indicator, H/B Motor Relay, Hard Switch Lighting, Hazard Answer Back, Hazard, H-B Motor Relay, HCAC System VSV, HCAC VSV Check, HCAC VSV, Head Lamp Warning Indicator, Head Light Hi, Head Up Display Indicator, Headlamp Indicator, Headlight Cleaner, Headlight High Beam, Headlight Indicator, Headlight Leveling Indicator Display, Headlight Leveling Indicator, Headlight Leveling Initialize Incomplete Display, Headlight Low Beam, Headlight Relay, Headlight Relay-Light Power Supply Relay, Headlight System Malfunction Display, Headrest Front-Rear, Headrest Motor, Heads Up Display Indicator, Heat Exchange Shut Valve, Heater Valve, Heating Electric Expansion Valve, Heating Three-way Valve, Height Control Prohibition Switch, Height High Indicator, Height High Warning, HICM System Check, High Beam Headlight, High Beam Indicator, High Beam LH, High Beam RH, High Pressure Magnetic Valve, High Voltage Electric Heater, High-Beam Headlights, Hold Indicator, Hold Lamp, Hot A/M Servo Pulse(D), Hot A/M Servo Pulse(P), HV System

Certification Mode Indicator, HV System Indicator (0%), HV System Indicator (100%), HV System Indicator (200%), HV System Indicator (300%), HV System Indicator (400%), HV System Indicator (-50%), HV System Indicator (MAX), HV System Indicator (MIN), HV Unit Hot Warning Indicator, HV Unit Hot Warning, HV-EV System Indicator (0%), HV-EV System Indicator (100%), HV-EV System Indicator (200%), HV-EV System Indicator (300%), HV-EV System Indicator (400%), HV-EV System Indicator (-50%), HV-EV System Indicator (MAX), HV-EV System Indicator (MIN), HWD Relay, Hybrid Battery Charge, Hybrid Battery Heater Relay, Hybrid System Warning, Hydrogen Leak Indicator, Hydrogen Leak Warning, IAC Duty Ratio, ICS OFF Indicator, ICS OFF Warning, IG OFF P/W Control Permission Output, IG OFF P-W Control Permission Output, IGP Signal, Illuminated Entry System, Immobilizer Indicator, iMT Indicator (Green), iMT Indicator (Yellow), Indicat. A/T P, Indicat. Hold, Indicat. INTUITIVE P/A LCD, Indicat. Lamp O/D OFF, Indicat. Lamp VSC OFF, Indicat. Ready (EV), Indicat. VSC OFF, Indicate AFS OFF Lamp, Indicate. Pre-Collision, Indicator 2nd START, Indicator 4LO, Indicator 4WD AUTO, Indicator 4WD Lock, Indicator 4WD, Indicator AFS, Indicator Auto LSD, Indicator Brake Hold, Indicator Condition, Indicator CRAWL, Indicator Ctr DIFF LOCK, Indicator Downhill Assist Control, Indicator ECO, Indicator ECONO, Indicator EPS, Indicator EV Mode, Indicator For Lighting, Indicator GLOW, Indicator Height High, Indicator Key, Indicator Lamp Airbag, Indicator Lamp Back Door Open, Indicator Lamp Beam, Indicator Lamp Coolant Cool, Indicator Lamp Coolant Hot, Indicator Lamp Cruise, Indicator Lamp Doors All open, Indicator Lamp ECB, Indicator Lamp ECT PWR, Indicator Lamp ECT SNOW, Indicator Lamp Fr FOG, Indicator Lamp Head, Indicator Lamp Hood Door Open, Indicator Lamp Luggage Door Open, Indicator Lamp oil Level, Indicator Lamp Oil Pressure, Indicator Lamp Rr FOG, Indicator Lamp Rr Light, Indicator Lamp Slip, Indicator Lamp Tail, Indicator Lamp Washer, Indicator Lamp Water Level, Indicator Lithium Charge, Indicator MMT E Mode, Indicator MMT M Mode, Indicator Navi CVT, Indicator Oil Maintenance, Indicator Over Speed, Indicator Park, Indicator Ready(HV), Indicator Rear Differential LOCK, Indicator Rear Door LH open, Indicator Rear Door RH open, Indicator Ride Mode, Indicator SIL, Indicator Slip-OFF, Indicator Sport(CVT Sport), Indicator Tail Cancel, Indicator TEMS Comfort, Indicator Timing Belt, Indicator Tire Pressure Warning System, IndicatorHeadlamp Auto Leveling, IndicatorTEMS Sports, Infrared Signal Status, Initial Axis Adjust Value Display, Injection Timing #1, Injection Timing #2, Injection Timing #3, Injection Timing #4, Injection Timing #5, Injection Timing #6, Injection Timing #7, Injection Timing #8, Injection Timing Select Cylinder, Injection Volume Control, Injection Volume, Injection Way Control, Injector Compensation, Inside Handle Illumination, Inside Handle Light, Inside Luggage Tuner Power Supply ON, Inside Luggage Tuner Power Supply, Inside Trunk/Backdoor Transmitter, Inspection Mode, Instrument Panel Illumination, Intake Air VSV Control, Intake Control VSV, Intake VSV 2 Control, Intelligent Parking Assist Indicator, Intercooler Water Pump Relay, Interior Illumination Light, Interior Illumination Light1, Interior Panel Relay, Interlocking Shift OFF Display, Interlocking Shift ON Display, Intrusion Sensor Power, INTUITIVE P/A LCD OFF Indicator, INTUITIVE P-A LCD Indicator, INTUITIVE P-A LCD OFF Indicator, Ion Generator, ISC Step Position, KDSS Indicator, KDSS Warning, Key Cylinder Illumination, Latch Release Test, Latch Release, LDA Buzzer, LDA Control Indicator (Left), LDA Control Indicator (Right), LDA Control Indicator, LDA Indicator (White), LDA Indicator, LDA Steering Control Indicator, LDA Warning Indicator (Left), LDA Warning Indicator (Right), LDA Warning Indicator, LDA Warning, LED Headlamp Warning, Left High Beam, Left LDA Indicator, Left LDA Warning, Left Turn Signal Indicator, Left Turn Signal Lamp, Left Turn Signal Light, LH Courtesy Light, LH Mirror Up/Down, LH Motor, Lift Up Buckle, Lifter Operation, Light Control Glass Relay, Light Control Switch (DOWN), Light Control Switch (Single), Light Control Switch (UP), Limited Power Indicator, Lithium Battery Check Indicator, Lithium Battery Hot Indicator, LKA Lane Out Alarm Buzzer, Lock Display, Lock Faulty Display, Low Beam Headlight, Low Beam, Low Pressure Magnetic Valve, Low Pressure Tank Solenoid, Low-Beam Headlights, Lower Air Mix (Driver Side), Lower Air Mix (Passenger Side), Lower Back, Lower Cushion, LPG Indicator, Luggage Compartment Light, Luggage Mode

Indicator (Yellow), Luggage Mode Indicator, Lumbar Bottom, Lumbar Lift, Lumbar Middle, Lumbar Slide, Lumbar Upper, M/H Bypass Cool Servo Pls, M/H Bypass Hot Servo Pls, Magnetic Clutch Relay, Magnetic Valve Operation, Main Battery(HV) Indicator, Maintenance Indicator Lamp, Maintenance Warning, Manual EVAP System Check, Manual SW Indicator, Master Warning, Memory Cancel Light, Meter Day Mode Switch, Meter Display (0), Meter Display (1), Meter Display (2), Meter Display (3), Meter Display (4), Meter Display (5), Meter Display (6), Meter Display (7), Meter Display (8), Meter Display (9), Meter Display (All), Meter Display 1, Meter Display 2, Middle Pressure Magnetic Valve, Mirror Auto Indicator (Daytime), Mirror Auto Indicator (Night Running), Mirror Auto Indicator (Night Stopping), Mirror Fold Signal, Mirror Fold, Mirror Heater Relay, Mirror Heater, Mirror Left/Right, Mirror Return Signal, Mirror Return, Mirror Up/Down, MMT E Mode Warning, Motor Relay Control, Motor Relay, Multi Channel SW, Multi Display All (White), Multi Display Default Screen, Multi Display Select Switch, Multi Switch (Back), Multi Switch (Down), Multi Switch (Enter), Multi Switch (Left), Multi Switch (Right), Multi Switch (Top), Multi Switch (Up), Multi Switch Operation, Navi CVT Indicator, Night Lighting, Night View Indicator, Not Available Display, O/D Cut Signal, O-D OFF Indicator, ODO-TRIP Change Switch, OFF Road Guidance Indicator, OFF Road Guidance Warning, Off-road 1 Indicator (Daytime), Off-road 1 Indicator (Nighttime), Off-road 2 Indicator (Daytime), Off-road 2 Indicator (Nighttime), Off-road 3 Indicator (Daytime), Off-road 3 Indicator (Nighttime), Off-road 4 Indicator (Daytime), Off-road 4 Indicator (Nighttime), Off-Road Switch Light, Oil Level Warning, Oil Pressure Meter Operation (1-2), Oil Pressure Meter Operation (1-4), Oil Pressure Meter Operation (3-4), Oil Pressure Meter Operation (HIGH), Oil Pressure Meter Operation (LOW), Oil Pressure Meter Operation, Oil Pressure Warning, Oil Pump, Open Door Warning, Ottoman Short-Long, Ottoman, Outside Mirror Footwell Lights, Outside Trunk/Backdoor Transmitter, Over Speed Indicator, Overhead Tuner Power Supply ON, Overhead Tuner Power Supply, Overheat Display, Oxygen Drive, P Range Display, P Range Indicator, P Supply for Steering Lock, Panel Light, Park Warning, Passenger Seat Operation Switch Indicator, Passenger Seat Sensor Power Supply, Passenger Side Seat Belt Warning, PBD Buzzer, PBD Close SW Light, PBD Clutch, PBD Motor, PBD Open/Close, PCS Approach Alarm Buzzer, PCS Buzzer, PCS Collision Alarm Buzzer, PCS Crash Alarm Buzzer, PCS OFF Warning, PCS Warning Indicator, PCS Warning, Pedestrian Protection Warning, Pelvis Support Operation, Pinion Gear Plunger (Hood Close), PKB Full Release Control, PKB Haul Display, PKB Light, PKB Lock Control, PKB Lock1, PKB Release Control, PKB Release1, Power For BDoor Sens, Power For DR-Seat Sens, Power For Intrusion Sensor2, Power For PR-Seat Sens, Power For P-Seat Sens, Power For Tilt Sensor, Power Meter Operation, Power Running Board Forced Retracting, Power Supply Air Bleeding Pattern2, Power Window SW LED, Power Windows, Power/Engine SW Light, PPS Indicator, PPS Solenoid, PPS Warning, Pre Crash Brake OFF Light, Pre-Charge Pump, Pre-crash Indicator, Prohibit The Catalyst OT Misfire Prevent F/C, Protection Relay, Proximity Sound (Low Speed), Proximity Sound (Vehicle Stationary), Proximity Sound Indicator, Pr-Seat Outside Transmitter, Pr-Seat Select, PSD Buzzer, PSD Close, PSD Clutch, PSD Motor, PSD Open Signal, PSD Open, P-Seat Outside Transmitter, P-Seat Select, PTC Heater, Pump Check Pattern, Pump Motor Relay, Purge Dilution Valve Duty Bank 2, R/L Selection SW Left Indicator Full, R/L Selection SW Left Indicator Red, R/L Selection SW Right Indicator Full, R/L Selection SW Right Indicator Red, Radar Cruise Approach Alarm Buzzer, Radar Cruise Indicator (Yellow), Radar Cruise Indicator, Radar Cruise Proximity Warning Buzzer, Radar Cruise Ready Indicator, Radar Cruise Stop Buzzer, Radar Cruise Stop Keeping Announce Buzzer, RCD OFF Indicator, RCTA Indicator, RCTA OFF Indicator, Ready Indicator, Rear A/M Servo Pulse(P), Rear A-C Mag Valve, Rear Air Mix Damper Control Servo Motor, Rear Air Mix Servo Target Pulse, Rear Blower Level, Rear Blower Motor, Rear Buzzer, Rear Defogger Relay, Rear Defogger, Rear DIFF LOCK Indicator, Rear Door Sunshade Down, Rear Door Sunshade Up, Rear Driver Side Sensor Power Supply, Rear Fog Lamp Indicator, Rear Fog Lamp, Rear Fog Light Relay, Rear Fog Light, Rear Gate Solenoid, Rear Gate Valve, Rear Inner Wheel Control Indicator, Rear Inner Wheel Control Warning, Rear Inverter

Cooling Fan, Rear Left Height Solenoid, Rear Left Seat A/C Auto Indicator Full, Rear Left Seat A/C Auto Indicator Red, Rear Left Seat A/C Indicator Full, Rear Left Seat A/C Indicator Red, Rear Left Seat Blower, Rear Left Seat Heater, Rear Left Solenoid, Rear Left Wheel Up/Down, Rear Leveling Solenoid, Rear Light Indicator, Rear Passenger Side Sensor Power Supply, Rear personal light, Rear Right Air Mix Damper Control Servo Motor, Rear Right Height Solenoid, Rear Right Seat A/C Auto Indicator Full, Rear Right Seat A/C Auto Indicator Red, Rear Right Seat A/C Indicator Full, Rear Right Seat A/C Indicator Red, Rear Right Seat A/C Level Indicator Red, Rear Right Seat Blower, Rear Right Seat Heater, Rear Right Solenoid, Rear Right Wheel Up/Down, Rear Seat Belt Warning, Rear Seat Belt, Rear Seat Lumbar Adjustment, Rear Side Buckle Light, Rear Sliding Sunshade, Rear Washer Relay, Rear Washer, Rear Wheel Up by Accumulator, Rear Wheel Up/Down, Rear Wiper Operation, Rear Wiper Washer Motor Relay, Rear Wiper, Red Indicator, Reductant Consumption Warning, Reductant Discharge, Reductant Filling (Pressure Keep), Reductant Injection Valve, Reductant Pipe Heater, Reductant Pump Check (Backward), Reductant Purge, Reductant Quality Warning, Reductant Tank Heater, Reductant Warning Indicator, Reductant Warning, Refresh B1, Refresh B2, Refresh B3, Refresh B4, Refresh B5, Refresh BL1, Refresh BL2, Refresh BL3, Refresh BL4, Refresh BL5, Refresh BR1, Refresh BR2, Refresh BR3, Refresh BR4, Refresh BR5, Refresh C1, Refresh C2, Refresh C3, Refresh C4, Refresh C5, Refrigerant Gas Volume Check, Regulator Shut Valve, Relay for Interior Light Auto Cut Function, Release Actuator, Release Display, Remote Engine Starter, Reverse Buzzer, Reverse Gear Signal, Reverse Signal, RH Courtesy Light, RH Mirror Right/Left, RH Mirror Up/Down, RH Motor, Ride Mode Indicator, Right High Beam, Right LDA Indicator, Right LDA Warning, Right Turn Signal Indicator, Right Turn Signal Lamp, Right Turn Signal Light, RL Wheel Air Bleeding Pattern, RL Wheel Up/Down, Rr Inner Wheel Control Indicator, Rr Inner Wheel Control Warning, RR Wheel Air Bleeding Pattern, RR Wheel Up/Down, Rr-Seat Inside Transmitter, SCV Duty Ratio, Seat Backrest Recline, Seat Belt Indicator, Seat Heater Active Level, Seat Memory Light, Seat Slide Operation, Secondary Air VSV Control, Security Horn 2, Security Horn, Security Indicator, Self Power Siren, Sensitivity Check, SET Indicator, Shift-By-Wire Warning, Shock Detection Unlock, Shoulder, Shut Off Valve, Side Back Support, Side Cushion Support, Side Mirror Foot Light, Side Support Operation, Signal Check, SIL Down Indicator, SIL Indicator (Down), SIL Indicator (Up), SIL Up Indicator, SLC Solenoid, Slide Roof, Sliding Sunshade, Slip Control System, Slip Indicator Light, Slip Warning, SLS Pressure, Smart System Indicator, Smart System Warning, SOC Gauge (1-2), SOC Gauge (1-4), SOC Gauge (3-4), SOC Gauge (MAX), SOC Gauge (MIN), SOC Warning Indicator, SOC Warning, Solenoid (SB), Solenoid Relay, Solenoid(SB), Solenoid(ST), Sound, Speed Alarm Buzzer, Speed Meter Operation, Speed Signal Input (0), Speed Signal Input (120), Speed Signal Input (160), Speed Signal Input (200), Speed Signal Input (240), Speed Signal Input (280), Speed Signal Input (320), Speed Signal Input (360), Speed Signal Input (40), Speed Signal Input (400), Speed Signal Input (80), Speedometer Operation (0km-H,0mph), Speedometer Operation (200km-H,200mph), Speedometer Operation (240km-H,240mph), Speedometer Operation (280km-H,280mph), Speedometer Operation (320km-H,320mph), Speedometer Operation (360km-H,360mph), Speedometer Operation (400km-H,400mph), Speedometer Operation (40km-H,40mph), Speedometer Operation (80km-H,80mph), Sport Indicator (CVT Sport), Stabilizer Check, Start SW Light Power Supply, Starter (Hood Close), Starter Motor Drive Magnet Switch (Hood Close), Steering Heater Indicator (Yellow), Steering Heater, Steering Wheel Vibration, Step Light, Stoichiometric Ratio Combustion, Stop Start Buzzer, Stop Start Permit Cond (A/C), Stop Start Permit Cond (ABS), Stop Start Permit Cond (Battery), Stop Start Permit Cond (Engine), Stop Start Precondition2 (Control), Stop And Start OFF Indicator, Stop And Start ON Indicator, Stop Lamp Relay, Stop Lamp, Stop Light Relay, Stop light System Indicator Light, Stratified Charge Combustion, Stroke Simulator Cut Valve Pattern, Sub Fuel Gauge Operation (1-2), Sub Fuel Gauge Operation (1-4), Sub Fuel Gauge Operation (3-4), Sub Fuel Gauge Operation (Empty), Sub Fuel Gauge Operation (Full), Sub Fuel Gauge Operation (Sender E), Sub Fuel

Gauge Operation (Sender F), Sub Fuel Gauge Operation, Sub Fuel Tank VSV, Supercharger Control, Swirl Control VSV, Tachometer Operation (0rpm), Tachometer Operation (1000rpm), Tachometer Operation (2000rpm), Tachometer Operation (3000rpm), Tachometer Operation (4000rpm), Tachometer Operation (5000rpm), Tachometer Operation (6000rpm), Tachometer Operation (7000rpm), Tachometer Operation (8000rpm), Tachometer Operation (9000rpm), Tachometer Operation, Tail OFF Indicator, Taillamp Indicator, Taillight Relay, Taillight-Clearance Light, Target Fuel Pressure Control, Telesco Operation, Temporary Vehicle Start Up, Test Mode, Test the Turbo Charger Step Motor #2, Test The Turbo Charger Step Motor Bank 1, Test The Turbo Charger Step Motor, Tilt Operation, Timer Switch (00), Timer Switch (H), Timer Switch (M), Timer Switch (Single), Tire Pressure Indicator, Tire Pressure Light, Tire Pressure Warning System Indicator, Tow Haul Indicator, TPMS Warning Light, Trac Motor Relay, TRAC Solenoid (SPFL), TRAC Solenoid (SPFR), TRAC Solenoid (SRCF), TRAC Solenoid (SRCR), TRAC Solenoid (SRMF), TRAC Solenoid (SRMR), TRC OFF Indicator Light, TRC(TRAC) Motor Relay, TRC(TRAC) OFF Indicator Light, Trip Reset Switch, Trunk And Back-Door Open, Turbo Boost VSV Control, Turbo Boost VSV, Turbo Charger Step Motor, Turbo Pressure VSV, Turn Light LH Relay Operation, Turn Light RH Relay Operation, Turn Signal Indicator - Left, Turn Signal Indicator - Right, Upper Air Mix (Driver Side), Upper Air Mix (Passenger Side), Variable Intake VSV Control, Variable Shade Beam LH, Variable Shade Beam LH/RH, Variable Shade Beam LH-RH, Variable Shade Beam RH, Varial Intake VSV, Vehicle Approach Warning OFF Indicator, Vehicle Horn, Vehicle Proximity Notification System Warning, Vehicle Stop Warning, VGRS Warning, Viscous Heater, VN Turbo Open, Volt Meter Operation (0V), Volt Meter Operation (12V), Volt Meter Operation (15V), Volt Meter Operation (18V), Volt Meter Operation (3V), Volt Meter Operation (6V), Volt Meter Operation (9V), VSC Indicator Lamp, VSC OFF Indicator Light, VSC TRC Indicator, VSC Warning Light, VSC/TRAC Off Indicator Light, VSC/TRAC Solenoid, VSC/TRC Indicator, VSC/TRC Solenoid (SMF), VSC/TRC Solenoid (SMR), VSC/TRC Solenoid (SPFL), VSC/TRC Solenoid (SPFR), VSC/TRC Solenoid (SRCF), VSC/TRC Solenoid (SRCR), VSC/TRC Solenoid (SRMF), VSC/TRC Solenoid (SRMR), VSC-TRAC Off Indicator Light, VSC-TRAC Solenoid (SMF), VSC-TRAC Solenoid (SMR), VSC-TRAC Solenoid (SPFL), VSC-TRAC Solenoid (SPFR), VSC-TRAC Solenoid (SRCF), VSC-TRAC Solenoid (SRCR), VSC-TRAC Solenoid (SRMF), VSC-TRAC Solenoid (SRMR), VSC-TRC(TRAC) Solenoid, VVT Exhaust Linear (Bank 1), VVT Exhaust Linear (Bank 2), VVT Linear (Bank 2), VVT System (Bank 2), VVTL System (Bank 1), VVTL System (Bank 2), Washer Nozzle Heater, Washer Warning, Water Level Warning, Water Pump, Water Temperature Meter Operation (120C,248F), Water Temperature Meter Operation (127C,260F), Water Temperature Meter Operation (50C,122F), Water Temperature Meter Operation (60C,140F), Water Temperature Meter Operation (70C,158F), Water Temperature Meter Operation (80C,176F), Water Temperature Meter Operation (Middle), Water Temperature Meter Operation, Wing and Deflector Extend/Fold, Wing Angle, Wing Extend, Wing Fold, Wiper Motor Hi, Wiper Motor Lo, Wiper Power Relay, Wireless Buzzer

New Coverage Details – USA European

New Alfa Romeo Coverage

6 new Actuation type special tests:

Brake System Fail Indicator, EPB Indicator, EOBD (Electronic On Board Diagnostic) Failure Indicator, EPB Indicator And EPB Fail Indicator, Position Lamp Indicator, Power Steering Failure Indicator, Right Turn Signal Lamp Indicator

New BMW Coverage

5 new Adjustment type special tests:

ESB Hydraulic-System Bleeding, ESP Control Unit: Restart, ESP Interchange Test, ESP Sensor Ring Test, Tire Pressure Monitoring: Deactivating The Production Mode

New Fiat Coverage

13 new Actuation type special tests:

2/4 Clutch Volume Index Check, Brake System Fail Indicator, EPB Indicator, DC Clutch Volume Index Check, EOBD (Electronic On Board Diagnostic) Failure Indicator, EPB Indicator And EPB Fail Indicator, LC Clutch Volume Index Check, LR Clutch Volume Index Check, OD Clutch Volume Index Check, Position Lamp Indicator, Power Steering Failure Indicator, Right Turn Signal Lamp Indicator, Transmission Verification Test, UD Clutch Volume Index Check

New Mercedes-Benz Coverage

2 new Adjustment type special tests:

ECU Reset, Enabling Of Engine Start After Crash Event

13 new Actuation type special tests:

Activate 1-2 and 4-5 Shift Solenoid Valves, Activate 2-3 Shift Solenoid Valve, Activate 3-4 Shift Solenoid Valve, Activate Component Torque Converter Lockup PWM Solenoid Valve, Defogger Control, Display Of CVN, Display Of SCN, Engine Compartment Fuse And Relay Module, Engine Diagnosis Indicator Lamp, Headlamp Range Adj (HRA/LWR) Of The Left And Right Headlamps, Licence Plate Light, M3/5 (Fuel Pump With Fuel Level Sensor), Steering Wheel Vibration Test

New Volkswagen Coverage

114 new Adjustment type special tests:

Accessory Delay, Activate Driver and Passenger Head Restraint, Active Grill Shutter Replaced, Actuator Calibration, Auto Door Lock Routine, Auto Door Lock, Auto Door Unlock, Bleed Brakes, Brake Bleed (3 Channel), Brake Bleed Procedure, CAM Crank Relearn Routine, Change Country Code, Change Language Preferences, Change Measurement Units, Check PCM VIN, Clear All Learned Seat Parameters, Clear CAN BUFFER Count, Clear DEF Pump Learned Offset Values, Clear Engine Auto Restart Crank Counter, Clear Last Remote Start Event Data, Clear Last VTA Trigger, Clear Remote Start Abort Data, Clear Remote Start Inhibit Data, Clear Stored Accumulated Fuel Mass, Clear Variable Line Pressure Counters, Clock Display, Close Door Calibration, Configure DRL, Coolant Three Way Valve Replaced, Coolant Three Way Valve, Diesel Particulate Filter Regeneration, DPF Regen, DPF Replacement, Drive Clutch Engage Test, Driving Regeneration Request, Dual Alternator Enable/Disable, ECU Replacement With Value Transfer, EGR Coolant Regeneration, EGR System Test, Emissions Rolls Test Mode, Enable / Disable Vehicle Features, Enable/Disable DRL, Engine Idle Shutdown Feature Enable/Disable, Entry Time, Exhaust Phaser 1 Cleaning, Exhaust Phaser 2 Cleaning, FCM Enable Emissions Rolls Test Mode, Flash Lamps with Lock, Horizontal Adjustment, Horn Duration, Idle Shutdown Timer Adjustment, Initialization, Initialize ORC, Initializing ECU, Injector Quantity Adjustment, Intake Phaser 1 Cleaning, Intake Phaser 2 Cleaning, Key Fobs Linked To Memory, Learn ETC, Learn Latch Sector Home, Light Rain Sensor Re-adaption, Manual Hard Drive Back-up, Mass Air Flow Sensor Initialization, New Engine Installed, Oil Change Light Reset, Oil Change Monitor Type, Open Door

Calibration, Pedal Adjustment, Program Engine Serial Number, Program Tire Size, Program Variant Coding, PTO RPM Adjustment, Quicklearn 62TE, Quicklearn Non RFE, Quicklearn RFE, RAM Active Air Box Calibration, Ramp Van Configuration, Remote Start Override, Remote Start Temporary Disable, Reset After Replacement Of Lambda Sensor, Reset ECU, Reset Enhanced Automatic Oil Change Indicator, Reset Error Free Operation Time to 40 Hours, Reset Memory, Reset of Lambda Values, Reset of SCR Long Term Adaptation Factor, Reset SCR Mileage Counter to 200 Miles, Reset VCM Adaptives, Reset Zero Fuel Quantity Calibration, Restore Customer Programmable Features, Rollover Detection, SCR DEF Tank Fluid Level Filter Reset, SCR System After ECU Replacement Procedure, SCR System Catalyst Reset, SCR System Dosing Module Replacement, SCR System Pressure Line Replacement, SCR System Tank or Pump Replacement, SCR System Wiring Harness Replacement, Seatbelt Alert System, Set Max Cruise Speed, Set Max Vehicle Speed, Snorkel Output Test, Standardization, Stationary Desoot (DPF Regen), TCC Break In, Tip Start Override, Tip Start Temporary Disable, Tire Pressure Sensor Registration, Turbo Actuator Pre-Align / Self Calibrate, Update Pressure Thresholds, VGT Learn, View/Reset Duty Cycle Maps, Write Pinion Factor, Write VIN

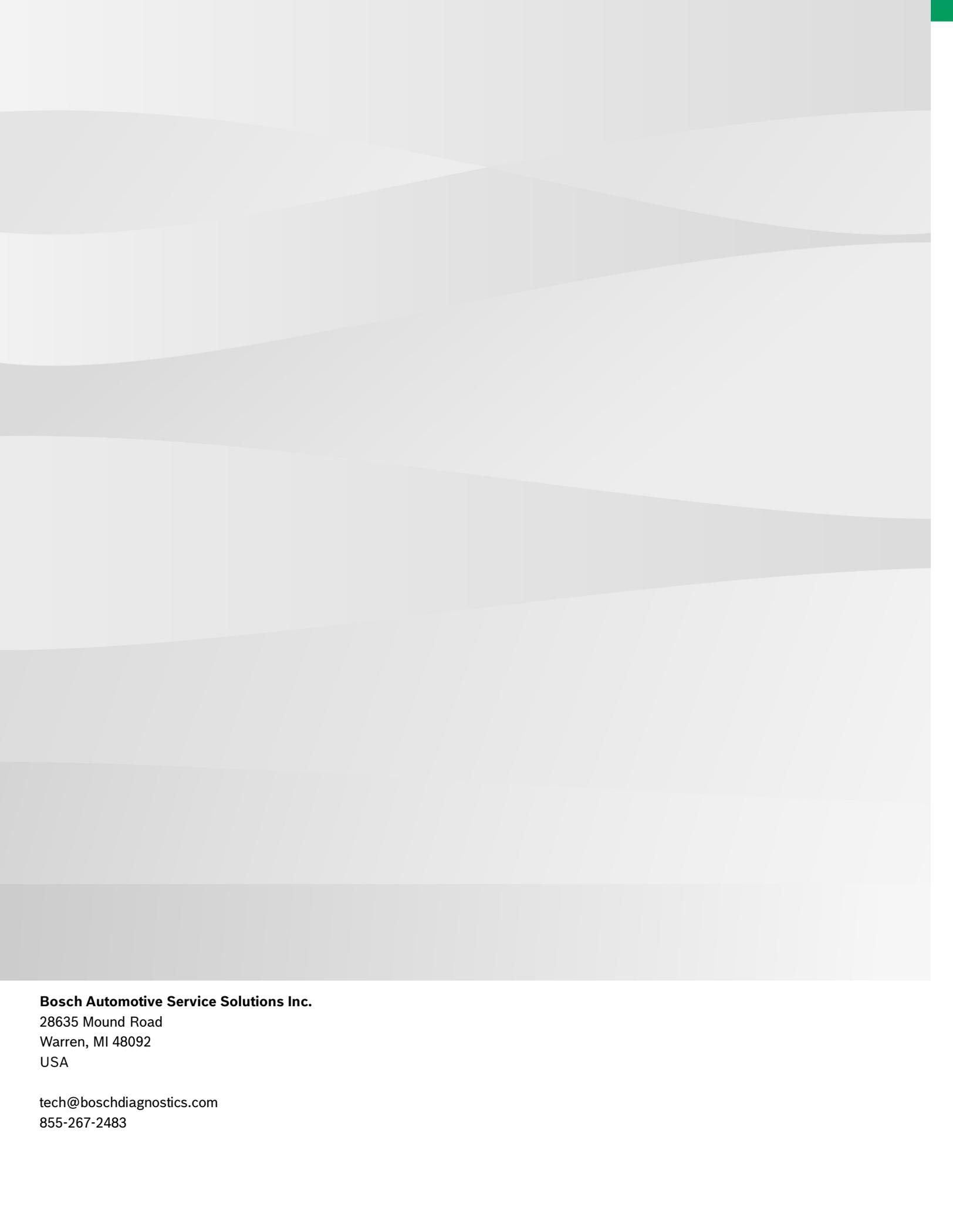
620 new Actuation type special tests:

1st Gear Clutch Test (62TE), 1st Gear Clutch Test (Non-RFE), 1st Gear Clutch Test (RFE), 2/4 Clutch Volume Index Check, 2-3 Skip Shift Solenoid Control State, 2-4 Solenoid, 2C Or 2-4 Solenoid, 2nd Gear Clutch Test (62TE), 2nd Gear Clutch Test (Non-RFE), 2nd Gear Clutch Test (RFE), 2nd Prime Gear Clutch Test (RFE), 3rd Gear Clutch Test (62TE), 3rd Gear Clutch Test (Non-RFE), 3rd Gear Clutch Test (RFE), 4C Solenoid State, 4C Solenoid, 4th Gear Clutch Test (62TE), 4th Gear Clutch Test (Non-RFE), 4th Gear Clutch Test (RFE), A/C Clutch Relay Control State, A/C Compressor Clutch Relay Control State, A/C Indicator, A/C Pressure 5 Volt Supply, A/C Select, AC Condenser Fan, AC emergency shut off, AC Off For Vehicle Manoeuvring, AC Request, Activate Driver and Passenger Head Restraints, Active Booster Solenoid, Active Grill Shutter Test, Adjustable Pedal State, Aim Test, All Doors Locks, All Indicators, Alternator Current Limit, Alternator Field Control State, Alternator Field Duty Cycle, Alternator Output Voltage Setpoint, Alternator Test, Ambient Temperature, Antenna Loop Test, Antenna Power State, ASD Engine, Auto Door Unlock Routine, Auto Shutdown (ASD) #1 Relay Control State (Left Bank), Auto Shutdown (ASD) #2 Relay Control State (Right Bank), Auto Shutdown Relay Control State, Auto Wipers, Auxiliary Coolant Pump Relay, Backlighting Test, Backslide Window, Balance Settings, Bass Settings, Bilevel Indicator, Blower Motor, Boost Pressure Actuator, Boost Pressure, BTSI Control, Buzzer Control, Buzzer Output, Cargo Lamp, Catalyst Efficiency Test, CEGR H-Bridge Valve Duty Cycle, Check PCM Odometer, Chime, CNG Injector Relay, CNG Shut Off Relay, CNG/Gasoline Forced Fuel Type, Cold Start Aid Driver 1, Compression Test, Control the steering column, Convenience Lamps Load Shed, Convertible Top, Cool Down Test Routine, Coolant Three Way Valve Test, Cooled EGR H-Bridge Valve System Test, Cooler Bypass Valve, Cooling Valve Position, Courtesy Lamp Fade Position, Courtesy Lamps, Crankcase Ventilation Heater, Cyl 1 Deactivation Sol Cntrl State, Cyl 6 Deactivation Sol Cntrl State, Cyl 7 Deactivation Sol Cntrl State, Cylinder 4 Deactivation Solenoid, Cylinder Balance Test, DC Clutch Volume Index Check, DEF (Reductant) Pressure Line Heater Test, DEF (Reductant) Tank Heater Test, DEF Dosing Injection Quantity, DEF Reductant Doser Prime Override Test, DEF Reductant Doser Pump Override Test, Defrost Indicator, Diesel Cabin Heat 1 State, Diesel Cabin Heat 2 State, Diesel Cabin Heat 3, Diesel Fuel Heater, Diesel Glow Plug 1, Diesel Glow Plug 2, Digital Inputs1 High Memory, Display Start Inhibit Data, Dome lamp output test, Door Ajar, Door Lock All, Double Start Override Relay, DPF Reset Option, DR Solenoid, Drive Clutch Engage, Driver Door Unlock, Dual Speed Fuel Pump Relay, Dual Speed Oil Pump Status, Easy Entry/Exit, EBL Indicator, EBL Status, EGR Cooler Bypass, EGR DC Motor Sol Vlv Recir Vlv, EGR Duty Cycle, EGR Positioner, EGR Throttle Valve, EGR Valve Solenoid Duty Cycle, EL Illumination, Electric Vacuum Pump, EMCC VLP

Solenoid, Enable Door Locks, Engine After Run Coolant Pump, Engine Digital Fan 1, Engine Digital Fan 2, Engine Off Injector Toggle Test, Engine RPM Control, Engine Running Injector Kill Test, ESIM Forced Monitor Test, ETC Indicator Test, ETC System Test, ETC Throttle Follower Test, EVAP Purge Valve, Evap Sensor Temperature, Evaporator Temp Sensor, Exhaust Gas Cooler Bypass Valve, Exhaust Gas Recirculation Valve, Extend Mileage With SCR Active Faults, Exterior Lighting SW, Faceplate Controls- U CONNECT, Faceplate Controls, Faceplate Controls-AM FM, Faceplate Controls-AUDIO Push Button or AUDIO, Faceplate Controls-AUX, Faceplate Controls-BACK, Faceplate Controls-DISC, Faceplate Controls-EJECT or OPEN/CLOSE, Faceplate Controls-FF or TUNE UP, Faceplate Controls-INFO, Faceplate Controls-LIST, Faceplate Controls-LOAD, Faceplate Controls-MEDIA, Faceplate Controls-Menu, Faceplate Controls-MUSIC TYPE, Faceplate Controls-NAV, Faceplate Controls-POWER ON Push Button, Faceplate Controls-PRESET 1, Faceplate Controls-PRESET 2, Faceplate Controls-PRESET 3, Faceplate Controls-PRESET 4, Faceplate Controls-PRESET 5, Faceplate Controls-PRESET 6, Faceplate Controls-RADIO or RADIO/MEDIA, Faceplate Controls-REPEAT PROMPT, Faceplate Controls-RW or TUNE DOWN, Faceplate Controls-SAT, Faceplate Controls-SCAN, Faceplate Controls-SET UP, Faceplate Controls-SET, Faceplate Controls-TIME, Faceplate Controls-VR BUTTON, Fade Settings, Fan Clutch PWM Duty Cycle Output, Fan Clutch Test, First Pass Cool Down Test Results, Flipper Glass, Floor Indicator, Fold/Unfold Mirrors, Frequency Step Selection, Front Axle Disconnect HSD, Front Axle Disconnect LSD, Front Axle Lock Enable, Front Blend Actuator Position, Front Blower Motor, Front Blower Speed, Front Blower State, Front Defrost Indicator, Front Fog Lamps, Front Mode (Defrost Door) Actuation, Front Mode 1 Actuator Position, Front Mode Actuator Position, Front Parktronic, Front Wiper High Speed, Front Wiper Low Speed, Front Wiper, Fuel Filter Heating, Fuel filter water level warn lamp, Fuel Gauge Gaugepoint, Fuel Gauge, Fuel Injector 1, Fuel Injector 2, Fuel Injector 3, Fuel Injector 4, Fuel Injector 5, Fuel Injector 6, Fuel Injector 7, Fuel Injector 8, Fuel Injector Balance, Fuel Injector, Fuel Level, Fuel Pre Supply Pump, Fuel Pressure Override, Fuel Pressure Regulated O/P (Bar), Fuel Pressure Regulator, Fuel Pump Relay Control State, Fuel Pump, Fuel System Run Up Test, Gas Injector Relay, Generator Ramp Time, Generator Speed Threshold, Glass Washer Front, Glass Washer Rear, Glow Lamp, Glow Plug, Hatch/Decklid Release, Headlamp Delay Time, Headlamp Leveling Position, Headlamp Leveling Standard, Headlamp Leveling Switch, Headlamp Washer Motor State, Headlamp Washer, Headlamps On With Wipers, Heated Seat LED 1, Heated Seat LED 2, Heated Steering Wheel indicator, HEV Belt-Driven Coolant Pump Clutch Relay, HEV Engine Aux Heater LIN Coolant Pump, HEV Fuel Tank Isolation Valve Solenoid, HEV TPIM Inverter LIN Coolant Pump, HFM VR Phone Switch, High Beam Duty Cycle, High Pressure Fuel Rail Test, High Speed Engine Cooling Fan Control, High Speed Fan, High Speed Rad Fan State, Hill Descent Control Telltale, Horizontal Motor Backward/Forward, Horn, HPCR Duty Cycle, HVAC Cool Down Test, HVAC Self Test, Idle RPM Test, Ignition ACC/RUN/START 1, Ignition Coil 1, Ignition Coil 10, Ignition Coil 2, Ignition Coil 3, Ignition Coil 4, Ignition Coil 5, Ignition Coil 6, Ignition Coil 7, Ignition Coil 8, Ignition Coil 9, Ignition RUN 2, Ignition Run State, Ignition Run, Ignition RUN/ACC 1, Ignition Run/Acc/PAD State, Ignition RUN/START 1, Ignition Start 1, Ignition Switch Run/Start Position Circuit, Ignition Unlock/Run/Start State, Initiate P2BA9 SCR Refill Monitor, Injector Kill Test, Inlet Metering Valve, Inlet Valve LF(Normally Open), Inlet Valve LR (Normally Open), Inlet Valve RF (Normally Open), Inlet Valve RR (Normally Open), Instrument Panel Illumination, Intake Manifold Short Runner Valve Solenoid, Intake Manifold Tuning Valve Solenoid, Intake Port Shut Off, Intake Throttle Duty Cycle, Inverter Switch, IR Sensor Temperature, ITOS - Cabin Temperature, Key Removal Inhibit LOCK Control, Key Removal Inhibit UNLOCK Control, Lamp Control, Latch Cinch Test, Latch Clutch Engage, Latch Motor, Latch Release Test, LC Clutch Volume Index Check, LC Solenoid, LCD Display, LDP Solenoid, Leak Detection Pump Forced Monitor Test, Leak Detection Pump, LED A/C, LED Headlamp Leveling, LED LF Heated Seat, LED Rear Defrost, LED RF Heated Seat, Left Blend Actuator Position, Left Front Fog Lamps, Left Front Inlet Valve Solenoid, Left Front Outlet

Valve Solenoid, Left Front Turn Lamp Output Status, Left Heated Seat Lower Indicator, Left Heated Seat Upper Indicator, Left Heated Seat, Left High Beam State, Left Low Beam Lamp Driver Output State, Left Low Beam Lamp, Left Rear Heated Seat Status, Left Rear Inlet Valve Solenoid, Left Rear Outlet Valve Solenoid, Left Rear Turn Signal Lamp Status, Left Rear Turn Signal/Brake Lamp, Left Signal Mirrors Side Repeaters, Left Solar Sensor Values, Left Trailer Tow Turn/Stop Lamp, Left TT Turn Stop Lamp State, Left Ventilated Seat Lower Indicator, Left Ventilated Seat Upper Indicator, LF Heated Seat Status, LF Power Window, Lift Pump Relay, Light Parking, Low Pressure Feed Valve 1, Low Pressure Feed Valve 2, Low Pressure Feed Vlv 1(Normal close), Low Pressure Feed Vlv 2(Normal close), Low Speed Rad Fan State, LR Clutch Volume Index Check, LR Power Window, LR Solenoid, Main Left Temperature 2 Actuator Position, Main Left Temperature Actuator Position, Malfunction Indicator Lamp, Mechanical Controls, Memory Seat ECU Self Test, Metering Unit Actuator, Mid-Range Settings, MIL Lamp, Mirror Heater, Mirror LED Left State, Mirror LED Right State, Mirror Reference Supply, Mirror Sense Power, Mirror Signal Lamp State, Mirror Vertical/Horizontal Direction, Mix Indicator, Mode 1, Mode 2, MS Solenoid, Multiair VVA Solenoid 1, Multiair VVA Solenoid 2, Multiair VVA Solenoid 3, Multiair VVA Solenoid 4, Navigation Display Control, Navigation Menu Control, Neutral Gate Test (62TE), Neutral Gate Test (Non-RFE), Neutral Gate Test (RFE), O2 Heater Test, OD Clutch Volume Index Check, Odometer VFD, Oil Pressure Lamp, Outlet Valve LF (Normally Closed), Outlet Valve LR (Normally Closed), Outlet Valve RF (Normally Closed), Outlet Valve RR (Normally Closed), Over Drive Solenoid On Time, Overdrive Switch Test (Non-RFE), OverDrive Switch Test (RFE), Overdrive Switch Test, Oxygen Sensor 1 Heater, Oxygen Sensor 1/1 Heater Control State, Oxygen Sensor 1/1 Heater Duty Cycle, Oxygen Sensor 1/2 Heater Control State, Oxygen Sensor 1/2 Heater Duty Cycle, Oxygen Sensor 2 Heater, Oxygen Sensor 2/1 Heater Control State, Oxygen Sensor 2/2 Heater Control State, Oxygen Sensor 2-1 Heater Duty Cycle, Oxygen Sensor 2-2 Heater Duty Cycle, Park Lamp State, Passenger Airbag Disable Lamp, Passenger Door Unlock, Pedals Forward/Backward, PLGM Chime Output, PLGM Close Direction PWM Duty Cycle, PLGM Drive Motor-Close Direction, PLGM Drive Motor-Open Direction, PLGM Latch Motor-Cinch Direction, PLGM Latch Motor-Release Direction, PLGM Open Direction PWM Duty Cycle, Pneumatic Intercooler Bypass, Pneumatic Waste Gate, Position Lamp Telltale, Power Fold Seat Disable Relay #1, Power Fold Seat Disable Relay #2, Power Inverter State, Power Windows, Pressure Regulator Valve, Pressure Value Correction Shut-Off, Pre-Supply Pump, PRNDL, Proportional Purge Solenoid, PTC Heater Relay 1, PTC Heater Relay 2, PTC Heater Relay 3, Puddle Lamp State, Pump Motor Test, Pump, Purge Solenoid Duty Cycle, Purge Vapors Test, Radiator Cooling Fan PWM Cntrl State, Radiator Cooling Fan PWM Duty Cycle, Radiator Cooling Fan Relay 1 Control State, Radiator Cooling Fan Relay 1,2,3 Control State, Radiator Cooling Fan Relay 2 Control State, Radiator Fan 1 Duty Cycle, Radiator Fan 1, Radiator Fan 2, Radiator Fan 3, Radiator Jalousie ShutterPosition, Radio Tone Test, Radio Volume, Rail Pressure, Ram Active Air Box Test, Read VIN, Rear Axle Lock Enable, Rear Axle Lock, Rear Blower Motor, Rear Blower Relay, Rear Blower Speed, Rear Blower State, Rear Defrost EBL, Rear Defrost Indicator, Rear Defrost State, Rear Fog Lamp Telltale, Rear Fog Lamps, Rear I-Wipe State, Rear Lockout Indicator (Rear Panel), Rear Mode 1 Actuator Position, Rear Mode Actuator Position, Rear Selection Indicator, Rear Speed Sensor Supply, Rear Temp Door Actuation Position, Rear Temp Door Actuator Position, Rear Wiper, RECIRC Indicator, Recirculation Door Actuator Position, Recliner, Reverse Gear Clutch Test (62TE), Reverse Gear Clutch Test (Non-RFE), Reverse Gear Clutch Test (RFE), Reverse Lamp State, Reverse Lamp, Reverse Lockout Solenoid Control State, Reverse Lockout Solenoid, RF Heated Seat Status, RF Power Window, Right Blend Actuator Position, Right Front Fog Lamps, Right Front Inlet Valve Solenoid, Right Front Outlet Valve Solenoid, Right Front Turn Lamp State, Right Heated Seat Lower Indicator, Right Heated Seat Upper Indicator, Right Heated Seat, Right High Beam, Right Low Beam Incandescent, Right Low Beam Lamp, Right Rear Heated Seat Status, Right Rear Inlet Valve Solenoid, Right Rear Outlet Valve Solenoid, Right Rear Turn Lamp State, Right Rear

Turn/Stop Lamp, Right Signal Mirrors Side Repeaters, Right Solar Sensor Values, Right Temp Actuator Position, Right Trailer Tow Turn/Stop Lamp, Right TT Turn Stop Lamp State, Right Ventilated Seat Lower Indicator, Right Ventilated Seat Upper Indicator, Roller Learning Shut-Off, RR Power Window, SDAR Station Selection, Secondary Air Pump, Secondary Air Solenoid, Secondary Locks, Seek Status, Self Test Routine, Service 4WD, Set Engine RPM Test, Shift Lever Position Test (62TE), Shift Lever Position Test (Non-RFE), Shift Lever Position Test (RFE), Shutoff Correction Quantity, Shutoff Injector Quantity, Side Mirrors Heater Control, Sliding Door Close Test, Sliding Door Open Test, Sound Horn On Lock, Speaker Quadrant Selection, Speedometer, Split Cooling Drive Duty Cycle, SRV Test, Starter Relay, Starter Solenoid High, Stop Start Confirmation, Surge Solenoid Control State, Sway Bar 1, Sway Bar 2, Switch Illumination Actuation, Switch Illumination State, Switchable Lamps and Trunk Lamp, Tachometer, Tail-Stop Lamp, T-Case Brake Shift Motor, T-Case Brake State, T-Case Mode Position Custom, T-Case Mode/Position-Standard, Telltale 4WD Mode, Telltale ABS, Telltale Airbag, Telltale Brake, Telltale Charging, Telltale ESP, Telltale ETC, Telltale Fog Front, Telltale Fog Rear, Telltale Glow Plug, Telltale High Beam, Telltale Low Coolant, Telltale Low Fuel, Telltale MIL, Telltale Oil, Telltale Seat Belt, Telltale Sway Bar, Telltale Turn Left, Telltale Turn Right, Telltale VTA, Telltale 4WD Low, Telltale ESP/BAS, Telltale-AWD/4WD Fail, Telltale-Coolant, Telltale-Cruise Mode, Telltale-Cruise On, Telltale-Front Axle Lock Mode, Telltale-Full-Time 4WD, Telltale-Off Road Mode, Telltale-Rear Axle Lock Mode, Telltale-Tire Pressure Monitor, Telltale-Tire Pressure, Telltale-Tow Mode, Telltale-TRAC/ESP Off, Telltale-Upshift, Temperature Gauge Gaugepoint, Temperature Gauge, Thatchum Lock Motor, Thatchum Unlock Motor, Thermistor Test, Thermostat Drive Duty Cycle, Throttle Valve Actuator, Throttle Valve, Tilt Mirrors in Reverse, TPM Sensor Rolls, Trac Cntrl Outlet Vlv 1 (Normal open), Trac Cntrl Outlet Vlv 2 (Normal open), Traction Control Outlet Valve 1, Traction Control Outlet Valve 2, Transmission Feed State, Transmission Temperature, Transmission Verification Test, Treble Settings, Trigger Module Test, Trunk Liftgate Release Solenoid, Tumble Generator Valve, Turn Signal Clicker, Twilight Sensor Value, UD Clutch Volume Index Check, UD Solenoid, Universal Garage Door Opener Control, Unlock Driver Door On 1st Press, Vacuum Pump Relay, Variable Displacement AC, Variable Speed Fuel Pump Test, Variable Swirl Actuator, Variable Swirl Valve Shutoff, Variable Valve Timing, VVT Control Valve, Vertical Front, Vertical Rear, VF Display, VF Segments test, VFD Illumination, VLP Solenoid, VVT Exhaust Phaser 1 Actuator, VVT Exhaust Phaser 2 Actuator, VVT Intake Phaser 1 Actuator, VVT Intake Phaser 2 Actuator, Wastegate Solenoid Control State, Wastegate Solenoid Duty Cycle, Water In Fuel Indicator, Water Pump Charge Air Cooling, Window Control, Window Hall Sense Supply, Window Lockout Switch Indicator, Window State, Window Switch Back Light Control, Wiper Hi/Low State, Wiper On/Off State



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