



BOSCH

Bosch ADS Software Update – February 2023

Ver 5.6

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

Version 5.6 update includes more model year **2023 & 2022** vehicle coverage and additional **ADAS** calibrations. 2708 new special tests & 155 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

- **Honda** – Odyssey
- **Mitsubishi** – Eclipse Cross, Mirage, Mirage G4
- **Subaru** - Crosstrek

2022 Coverage added – DTC, Data support and Bi-Directional functions

- **Ford** – Bronco Raptor

Multiple Models and Years Coverage added - Bi-Directional functions

ADAS* – New ADAS calibration coverage:

- **2023 Coverage:**
 - GM – Coverage for 8 new models
 - Honda – Coverage for Civic and Odyssey models
 - Subaru – Coverage for Crosstrek models
 - Volkswagen/Audi – Coverage for 5 new models
- **2022 Coverage:**
 - Mitsubishi – Coverage for Mirage models

**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

122 new Adjustment type special tests:

ABS Bleed Brakes, ABS Initialization, Active Grill Shutter Replaced, Actuator Calibration, Auto High Beam Demo Mode Test, Bleed Brakes, Brake Pedal Calibration, CAM Crank Relearn Routine, Change Country Code, Channel Output Test, Check PCM VIN, 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, Emissions Rolls Test Mode, Enable / Disable Vehicle Features, 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, 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, KeySense PIN Reset, Learn ETC, Light Rain Sensor Calibration, 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 ECU, Reset Enhanced Automatic Oil Change Indicator, Reset Error Free Operation Time to 40 Hours, Reset H2O Lamp, 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 Max Cruise Speed, Set Max Vehicle Speed, Snorkel Output Test, Stationary Desoot (DPF Regen), Store Learned TCU Adaptives, TCC Break In, TCM Reset Learned Adaptives Routine, Tip Start Temporary Disable, Tire Pressure Sensor Registration, TLC Learn, Turbo Actuator Pre-Align / Self Calibrate, Turn off Gain Mode Override, 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

1174 new Actuation type special tests:

Buzzer Control, Control chime, FCW Indication Forward Collision Warning, 1st Gear Clutch Test (62TE), 1st Gear Clutch Test (Non-RFE), 1st Gear Clutch Test (RFE), 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, Activate Driver and Passenger Head Restraints, Activate Fuel Lift Pump, Activate TPM High Gain Mode, Active Exhaust Valve 1, Active Exhaust Valve 2, Active Grill Shutter Test, Actuate All Heaters, Actuate All Seat Heaters, Actuate All Vents, 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, 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, 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, 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, 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 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, Bed Lamp, 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 Text, Brake Warning Lamp, 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/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 Lock Motor, Charge Port Un-Lock Motor, Check Engine - MIL Lamp, Check Engine MIL Lamp, Check Engine-MIL (Malfunction Indicator Lamp), Check PCM Odometer, CHMSL Lamp, 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 Current, Control All Solenoids, 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, 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 Passenger Airbag Lamp Request, Display Start Inhibit Data, Door Handle Power Control, Door Handle Verification Test, Double Start Override Relay, DPF Lamp, DPF Reset Option, 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, 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, Duct Sensors -Panel Right, Duty Cycle Purge Solenoid, EBL Status, 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, 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 Thermostat Heater, Electric Thermostat Heater Solenoid, Electric Thermostat Heater Solenoid

Duty Cycle, Electric Vacuum Pump, Electric Wastegate Valve, Electronic Stability Control, Electronic Stability Control Off, EMCC VLP Solenoid, Emergency Call Backlight LED PWM, Emergency Call Green LED PWM, Emergency Call Red LED PWM, 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 Temp LEDs, Engine Temperature, Engine Warm Up, Enter, Enter Button, Enter Plant Mode, EPB Failure Lamp, 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, 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, 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, Front Blower Control, Front Blower Motor, Front Blower Potentiometer Knob Position, Front Blower Speed, Front Collision Off, Front Collision Off, Front Defrost, FRONT DEFROST button, Front Defrost Indicator, Front Fog, Front Fog Lamps, Front Left Heated Seat Button, Front Left Heated Seat Indicator, 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 Mode Potentiometer Knob Position, Front Off Road Camera Washer, Front Right Heated Seat Button, Front Right Heated Seat Indicator, Front Temp Potentiometer Knob Position, 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 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 Passenger High Indicator, Heated Seat Passenger Low Indicator, Heated Seat Passenger Med Indicator, Heated Steering Wheel, Heated Steering Wheel Button, Heated Steering Wheel indicator, Heated Steering Wheel~Heated Steering Wheel, 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, Hill Ascending Button, Hill Ascending Indicator (Select Speed Lamp), Horn, HPCR Duty Cycle, HPCR Duty Cycle Output, HVAC Cool Down Test, HVAC Self Test, 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, 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, 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, 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, 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), 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 Front Fog Lamps, Left Front Park Lamp, Left Front Turn Lamp, Left HID Lamp, Left High Beam, Left High Beam Shutter, Left Low Beam, 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 Reverse Lamp, Left Reverse Lamp 2, Left Reverse Lamp State, Left Side Markers, Left Signal Mirrors/Side Repeaters (BUX), Left Signal Mirrors-Side Repeaters (BUX), Left Signature Lamp, Left Solar Sensor Values, Left Temp Down Button, Left Temp Up Button, 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-Reverse Solenoid, 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, Metering Unit, Metering Unit Actuator, Mid-Range Settings, MIL Lamp, Mirror LED -Day-Night, Mirror LED -ON-OFF, Mode, Mode 2 Actuator Position (Defrost Panel Door), Mode Button, 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, 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, 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, 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, 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, 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), PL Solenoid Current, Pneumatic Intercooler Bypass, Pneumatic Waste Gate, Police Passenger Un-Lock Motor, Position Lamp, Position Lamp Telltale, Position Lights, Power (OFF), Power Down, Power Mirror Feed Relay Control, Power On and Disable User Inputs, PPPA, PPPA ON-OFF Indicator, 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), 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 Indicator, PTS ON-OFF Indicator, PTS Switch Simulation, Pump, Purge Solenoid Duty Cycle, Purge Vapors Test, PWM Fan Actuation Test, 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 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 Blower Speed, Rear Blower State, Rear Defrost Button, Rear Defrost Button (EBL), Rear Defrost Indicator, Rear Fog, Rear Fog Lamps, Rear Heated Window, Rear Mode 1 Actuator Position, Rear Wiper, Recirc, RECIRC button, RECIRC Indicator, Recirc. Door Actuator Position, Recirculation Door Actuator Position, Recirculation LED, Recirculation Pump, Recirculation pump activation, 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 Front Fog Lamps, Right Front Park Lamp, Right Front Turn Lamp, Right HID Lamp, Right High Beam, Right High Beam Shutter, Right Low Beam, 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 Reverse Lamp, Right Reverse Lamp #2, Right Reverse Lamp 2, Right Reverse Lamp State, 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 Down Button, Right Temp Up Button, 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 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, Screen Test Pattern, SDAR Station Selection, Seat Belt, Seat Belt Lamp, Seat Belt Light, 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, Sensor Rolls Test, 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, Skip Shift Solenoid, Small Leak Verification Test, Smart Bar Command, 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, 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 Button, Stop-Start Indicator, 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 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, 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, 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 Indicator, 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, Treble Settings, Truck Bed Lighting Leds, Truck Cargo Lamps, Trunk/Flipper Glass Release Motor, Trunk-Flipper Glass Release Motor, Tumble Generator Valve, Tuner Rotary Detents, Tuner Rotary Direction, Turbo/VGT Component Replacement, Turn Left, Turn Right, Twilight Sensor Value, UConnect Live Apps Installation, 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 Actuation Test, Urea (Reductant) Tank Heater Actuation 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, Video Input, Video Input Settings, 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 On-Off Button (Power On-Off), 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, WK Head Rest Relay, Yellow A/C and Auto Indicators, Yellow Button Indicators, Yellow Lane Departure Warning Indicator, Yellow Rear Defrost Indicator, Yellow Recirc Indicator

New Ford/Lincoln Coverage

- Added coverage for 31 new system applications

24 new Adjustment type special tests:

ABS Service Bleed, Apply the Electronic Parking Brake (EPB), Battery Monitor System Reset, Clear Transmission Adaptive KAM Tables, Climate Control System Actuators Calibration, Disable/Enable Snow Plow Package, Do Not Use The Transmission Adaptive KAM Tables, Electronic Parking Brake (EPB) Service Mode Activation and Deactivation, Factory Keyless Entry Code, Initialize Adaptive KAM Tables, IVD Initialization Sequence, LIN New Module Initialization - BCM, Misfire Monitor Neutral Profile Correction, Occupant Classification System Module (OCSM) Reset, Power Window Initialization - Driver Side, Power Window Initialization - Passenger Side, Relearn Vehicle Data - TCM, Release the Electronic Parking Brake (EPB), Reset KAM, Reset the Outside Air Temperature Sensor Learned Values, Stop Trans-Adaptive Learning And Measure Slip Time, Tire Pressure Sensor Registration, TPMS Sensor Training Mode, Transmission Characterization - 8F

267 new Actuation type special tests:

% Of Total Fuel Mass To Be Delivered By Direct Inj -Commanded, 3RD Row Left Speaker Status, 3RD Row Right Speaker Status, 4WD-AWD Front Axle Disconnect - Clutch Commanded State, 4WD-AWD Power Transfer Unit - High Level Strategy Commanded, 4WD-AWD Transfer Case Actuator -A- Requested Torque, 4WD-AWD Transfer Case Motor Position Request, ABS Pump Motor Control, ABS Valve Power Supply, ABS Warning Lamp, ABS/TCS/IVD, A-C Distribution Valve A Output Ckt Commanded Energized, A-C Distribution Valve B Output Ckt Commanded Energized, A-C Recirculating Servo Position Status, Accessory Delay Relay Circuit, Active Grille

Air Shutter -B- Position Commanded, Actuator Supply Voltage -B- Control State, AHD (Auto Headlamp Dipped), Air Conditioning Compressor Command State, Air Mode Actuator, Airbag Warning Indicator, All Door Lock, All Door Unlock, All Injectors Disabled, All Warning Lamps, Antilock Braking System Power Relay Output Status, Anti-Theft Horn Status, Anti-Theft Indicator Lamp Control, Auxiliary Blower Output, Blind Spot Detection System Telltale, Blower Motor Speed, Brake Shift Interlock, Brake System Fault Indicator Lamp, Brake-Shift Interlock, Camera Power Control, Center 2 Speaker Status, Center High Mounted Stop Lamp Output Control, Center Speaker Status, Center Tweeter Status, Central High Mounted Stop Lamp, Check Fuel Cap Indicator Lamp Command, Commanded Equivalence Ratio Air To Fuel Mixture Bank 1, Commanded Equivalence Ratio Air To Fuel Mixture Bank 2, Converter Pressure Control, Coolant Overtemp, Coolant Pump -A- is Commanded On, Courtesy Lamps, Courtesy Puddle Step Lamps, Cruise Control Lamp, Decklid - Liftglass Release Output Status, Decklid-Liftglass Release Output Status, Delayed Accessory Power, Desired Engine Cooling Fan Speed, Desired Idle Speed (Rpm), Desired Line Pressure Control, Dimmer Switch Input Status, Driver Door Unlock, Driver Heated Seat, Dynamic Stability Control (DSC) Off, ECO Mode, Eco Stop-Start, Electric Transmission Fluid Pump Control Duty Cycle - Commanded, Engine Coolant Bypass Valve Control Output, Engine Oil Pressure Control Duty Cycle - Commanded, Engine Revolutions Per Minute, Engine Running Fuel Injector Control, EVAP Canister Vent Valve, EVAP Leak Test, EVAP Purge/Vent Control, Evaporative Emission Canister Purge Valve Duty Cycle, Evaporative Emission Canister Vent Valve, Exhaust Flow Control Valve -A- Position - Commanded, Firm Shift, Floor Lamp Output Circuit, Fog Lamp, Front Motor Up, Front Blower Relay, Front Left Fog Lamp, Front Park Lamps Output, Front Right Fog Lamp, Front Window Down Output, Front Window Up Output, Fuel Gauge Indicator Control %, Fuel Gauge Indicator Control, Fuel Pump - Duty Cycle, Fuel Pump Relay, Fuel Rail Pressure Desired, Gear Command By Output State Control, Gear Display 1, Generator 2 Voltage Desired, Generator Lamp, Generator Voltage Desired, Generator Voltage Set Point, Heater Control For HO2S 11 And HO2S 21, Heater Control For HO2S 12 And HO2S 22, High Beam Indicator, Horn Relay, Horn, Ignition Run / Accessory Output Control, Ignition Run / Start Output Control, Instrument Cluster Trailer Indicator, Interior Lighting Circuit, Key (Removal) Inhibit, Key Pad Back Lighting, Keypad Lamp Output Status, KOEO Self Test, KOER Self Test, Lamp Control, Lane Departure Warning Telltale, LED Backlighting, Left Blend Door Position, Left Climate Seat State, Left Front Defrost Output, Left Front Dump, Left Front Fog Lamp, Left Front Inlet Valve State, Left Front Isolation Valve, Left Front Mid Range Speaker Status, Left Front Mirror Turn Signal Lamp Status, Left Front Outlet Valve State, Left Front Position-Sidemarkers, Left Front Speaker Status, Left Front Turn Lamp Output Status, Left Front Turn Signal Lamp Status, Left Front Turn Signal Lamp, Left Front-Right Rear Traction Control Valve 1, Left Hand High Beam Circuit, Left Head Lamp High, Left Headlamp High Beam, Left Headlamp Low Beam, Left Rear Dump, Left Rear Inlet Valve State, Left Rear Outlet Valve State, Left Rear Speaker Status, Left Rear Turn Signal Lamp Status, Left Rear Turn Signal-Trailer Relay Status, Left Rear Tweeter Status, Left Stop Lamp, Left Turn Signal Lamp Status, Liftgate Release Output Status, LIGHTS ON WARNING., Line Pressure Control Desired, Load Shed Output Control, Low Beam Circuit Status Left Front, Low Beam Circuit Status Right Front, Low Fuel Warning Indication, Low Washer Fluid Warning, Lumbar Forward Motor Control, Maintenance Warning Lamp, Malfunction Indicator Lamp, Max Defrost, Mirror Puddle Lamps, O2 Sensor 1 For All Banks Commanded To Heat, O2 Sensor 2 For All Banks Commanded To Heat, Oil Pressure Low Indicator, Oil Pressure, On Demand Test, One Touch Start Status, Output State Control Of Torque Converter, Park Brake Applied Lamp, Parking Lamp, Passenger Heated Seat, PATS Radio Frequency Transmit Status, PCM WAKEUP LINE, PCM Wake-Up Output Control, Pedal Box In, Pedal Box Out, Power Balance, Power Fold Mirror Activation Status, Power Point Output Relay, Rear Center Speaker Status, Rear Defrost (Heated Backlight), Rear Fog Lamp Indicator, Rear Park Lamps Output, Rear Window Down Output, Rear Window Up Output, Relative Compression, Reverse Lamp, Right Climate Seat State,

Right Front Defrost Output, Right Front Dump, Right Front Fog Lamp, Right Front Inlet Valve State, Right Front Mid Range Speaker Status, Right Front Mirror Turn Signal Lamp Status, Right Front Outlet Valve State, Right Front Position-Sidemarker, Right Front Speaker Status, Right Front Turn Lamp Output Status, Right Front Turn Lamp State, Right Front Turn Signal Lamp Status, Right Front Tweeter Status, Right Head Lamp High, Right Head Lamp-Low, Right Headlamp High Beam, Right Headlamp Low Beam, Right Rear Dump, Right Rear Inlet Valve State, Right Rear Outlet Valve State, Right Rear Speaker Status, Right Rear Turn Signal Lamp Status, Right Rear Turn Signal-Trailer Relay Status, Right Rear Tweeter Status, Right Stop Lamp, Right Turn Signal Lamp Status, Run-Accessory Output Control, Run-Start Output Control, Safety Belt Warning Lamp, Seat Headrest Backward, Seat Headrest Down, Seat Headrest Forward, Seat Lumbar Forward, Seat Lumbar Rearward, Seat Tilt Down Motor Control, Shift Solenoid A, Shift Solenoid B, Shift Solenoid F 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, Side Light Lamp, Side Mirror Heating Output Control, Smart Window Control, Sounder Output Request, Spark Advance - Control State, Spark Advance, Speaker - Left Front, Speaker - Left Rear, Speaker - Right Front, Speaker - Right Rear, Speedometer, Spotlight Mirror Output, Start Button Mode Indicator Control, Starter Motor Control Output Detected, Stop-Start Telltale Amber, Stop-Start Telltale Red, Stop-Start, Subwoofer 2 Status, Subwoofer Speaker Status, Subwoofer Status, Tachometer Gauge Indicator Control, Tachometer, Temperature Gauge, Third Row Left Speaker Status, Third Row Power Fold Seat Output, Third Row Right Speaker Status, Tire Pressure Telltale Status, Torque Converter Clutch Solenoid Commanded Current, Torque Converter Clutch Solenoid, Traction Assist Right Control Valve Status, Traction Control Indicator, Traction Control Off Indicator, Trailer Tow Park-Tail Lamp Output, Transmission System (Mil) Fault, Transmission System MIL Fault, Turbo Boost Gauge Pointer Placement Command, Turbocharger Wastegate, Variable Camshaft Timing Exhaust Angle Desired, Variable Camshaft Timing Intake Desired Angle, Vehicle Mode, Voltmeter Pointer Placement Command, Volume Adjustment Program, Volume, Warning Lamp Status 1 - Charge Warning, White Lighting Circuit

New GM Coverage

47 new Adjustment type special tests:

Automated Bleed, Automated Brake Bleed, Brake Pedal Position Sensor Learn, Brake Pedal Travel Sensor Learn, Brake Pressure Sensor Calibration, Brake System Plunger Motor Position Sensor Learn, Brake System Plunger Pressure Rise Starting Point Learn, CAN Bus Configuration Learn, Clutch Pedal Position Learn, Configure New Module, Copy And Paste TPM Information, Crankshaft Pos. Variation Learn, Cylinder Deactivation Exhaust Flow Valve Learn, DRR Setup, Exhaust Control Valve Learn, Exhaust Flow Control Valve Learn, Front Axle Brake Pad Life Monitoring Reset, Fuel Composition Reset, Fuel Pump Trim Reset, Fuel Trim Reset, HO2S Heater Learn, Idle Learn Reset, Info Display/Infotainment Faceplate Reset, Invalidate All Fobs, Oil Life Reset, Park Brake Calibration, Preset Transmission Adapts, Program Key Fob 1, Program Key Fob 2, Program Key Fob 3, Program Key Fob 4, Program Key Fobs, Rear Axle Brake Pad Life Monitoring Reset, Reset Transmission Adapts, Reset Transmission Control Module, RVS Disable History Reset, Setup New SDM, Setup SDM Part Number In BCM, Setup SDM Serial Number In BCM, Steering Wheel Angle Sensor Offset Calibration, Tire Pressure Sensor Registration, Tire Type/Pressure Selection, Transmission Adaptive Pressure Reset, Transmission Overtemperature Counter Reset, Transmission Service Fast Learn, Vehicle Dynamic Sensor Offset Calibration, Yaw Rate Sensor Learn

212 new Actuation type special tests:

1-2 Solenoid, 2-3 Solenoid, A/C Clutch, ABS Left Front Solenoid Valves, ABS Left Rear Solenoid Valves, ABS Motor, ABS Pump Motor, ABS Right Front Solenoid Valves, ABS Right Rear Solenoid Valves, Accessory/RAP Relay, Activate Rear Park Brake Service Position, Activation Of Pump, Active Grill Air Shutter 2, Active Grill Air Shutter System, Air Pump Relay, Air Solenoid, AIR System, Audio Tone, Auxiliary Ignition Run Relay, Backup Lamps, Blower Motor Relay, Brake Hydraulics Test, Brake System Hydraulics Corner Test, Brake To Shift Relay, Cargo Lamp, CD, Center High Mounted Stop Lamp, Central Stop Lamp, Chime Test, Coolant Gauge Sweep Test, Courtesy Lamp, Courtesy Lamps, Cylinder Deactivation Exhaust Flow Control Valve, Cylinder Power Balance, Daytime Running Lamps, Deactivate Brake Boost System, Deactivate Rear Park Brake Service Position, Display Dimming, Display Test, Driver Door Unlock, DTC B1000 Information, Engine Controls Ignition Relay, Engine Mount Actuator Output 1, Engine Mount Actuator Output 2, Engine Speed Control, EVAP Purge Solenoid, EVAP Purge/Seal, EVAP Service Bay Test, EVAP Vent Solenoid, Exhaust CMP Actuator Solenoid Bank 1, Exhaust CMP Actuator, Exhaust Flow Control Valve System, Exterior Door Handle Courtesy Lamp Command, Exterior Driver Door Handle Switch, Exterior Left Rear Door Handle Switch, Exterior Passenger Door Handle Switch, Exterior Right Rear Door Handle Switch, Fog Lamps, Front Diff Lock Control, Front Fog Lamps, Fuel Gauge Test, Fuel Injector Balance, Fuel Pressure Control, Fuel Pressure, Fuel Pump Enable, Fuel Pump Relay, Fuel Pump, Fuel Trim Enable, Gauge LED, GEN L-Terminal, Generator Regulator Setpoint, Green Indicator, Headlamps, Head-Up Display Pattern Check, High Beams, 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 Bank 2 Sensor 2 - Heater, HO2S Heater Sensor 1, HO2S Heater Sensor 2, Horn, Idle Spark, Illuminate All Indicators, Inadvertant Power 1, Incandescent Dimming, Info Display/Infotainment Faceplate Wake-Up, Instrument Cluster Gauge Sweep, Instrument Panel Illumination, Intake Camshaft Position Actuator Locating Pin Control Valve Test Bank 2, Intake CMP Actuator Solenoid, Intake CMP Actuator, Key Fob Button Test, Lamp Test, LED Dimming, Left Daytime Running Lamp, Left Fog Lamp, Left Front Corner, Left Front Park Lamp, Left Front Turn Signal Lamp, Left High Beam, Left Low Beam, Left Rear Corner, Left Rear Turn Signal Lamp, Left Tail Lamp, Left Trailer Tow Turn/Stop Lamp, LF Turn Signal, License Plate Lamps, Line Pressure Control Solenoid Valve, Lock All Doors, Loop Status, Low Beams, LR Stop/Turn Signal Lamp, LR Turn Signal, Malfunction Indicator Lamp, Mass Airflow Sensor Bank 2, Misfire Graph, Module Setup, Next Available Slot, Parking Assist Switch LED, Parking Lamps, Passenger Door Unlock, PC Solenoid 2, PC Solenoid 3, PC Solenoid 4, PC Solenoid 5, PC Solenoid, Phone Call Test, Preferred Roaming List Update, Pressure Control Solenoid Valve 2, Pressure Control Solenoid Valve 3, Pressure Control Solenoid Valve 4, Pressure Control Solenoid Valve 5, Rear Brake Caliper Piston Extend, Rear Brake Caliper Piston Retract, Rear Defog Relay, Rear Fog Lamp, Red Indicator, Retained Accessory Power, RF Turn Signal, Right Daytime Running Lamp, Right Front Corner, Right Front Park Lamp, Right Front Turn Signal Lamp, Right High Beam, Right Low Beam, Right Rear Corner, Right Rear Turn Signal Lamp, Right Tail Lamp, Right Trailer Tow Turn/Stop Lamp, RR Stop/Turn Signal Lamp, RR Turn Signal, Run Crank Relay, Security Lamp, Shift Lock Solenoid, Shift Solenoid 1, Shift Solenoid 2, Shift Solenoid Valve 1, Shift Transmission Gear, Shift Transmission, Spark Retard, Speaker - Left Front, Speaker - Left Rear, Speaker - Right Front, Speaker - Right Rear, Speed Gauge Sweep Test, Starter Relay Control, Starter Relay, Suspension Position Sensor Trim Height, Tach Gauge Sweep Test, TCC Control Solenoid, TCC Enable Solenoid, 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, Traction Off Lamp, Trailer Backup Lamps, Trailer Brake Duty Cycle, Trailer Brake Relay, Trailer Park Lamps, Transmission Control Solenoid Valve 1 Current, Transmission Control Solenoid Valve 1, 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 Fluid Pressure Actuator, Vehicle Level Control Compressor Relay, Vehicle Level Control Exhaust Valve, Windshield Wiper Motor Relay, Windshield Wiper Motor, Wiper Relay, Wiper Washer Motor

New Coverage Details – USA Asian

New Honda/Acura Coverage

- Added coverage for 41 new system applications

37 new Adjustment type special tests:

ACM Reset, After a Vehicle Collision, After Replacing Front Passenger Seat Components, Air Bleeding For Repair(ABS), Air Bleeding For Repair(ABS/VSA/TCS), Air Bleeding For Repair(TCS), All Sensor Calibration, ATF Reset, Brake Pad Maintenance Mode, Brake Pressure Sensor Calibration, Crank Pattern Clear, Crank Pattern Learning., Customize Reset, ECM/PCM Reset, Engine Oil Life Reset, EPS Steering Sensor Value Clear, G-sensor Learning, ODS Unit Initialization, OPDS Initialization, Pop Up Hood(PUH) Calibration, Replace TCM/PCM, Reset Of Assistant Side Window Position, Reset Of Driver Side Window Position, Reset Of Rear Left Side Window Position, Reset Of Rear Right Side Window Position, Sensor Calibration Test, Start Clutch Feedback Learn, Start Clutch Status Data Clear, Steering Angle Sensor Calibration, Steering End Learning, Stroke Sensor Learning, SWS Initialization, The Wheel Size Setup For Indirect TPMS, Tire Pressure Sensor Registration With Activation Tool, Tire Pressure Sensor Registration, Torque Sensor Learn, VSA Sensor Neutral Position Memorization

393 new Actuation type special tests:

A/C Clutch, ABS Brake Light Relay/TSA Relay Test, ABS ESS Forced Indication, ABS Solenoid Test, ABS VSA Test, ACC Alarm Test, ACC Brake Actuator, ACC Indicator Light, ACC Information Display, ACC Relay, Accessory, ADJ Motor, AFS Reflector, Air Bypass Valve Control Solenoid (ABV), All Injectors OFF, Assistant Door Courtesy Light, Assistant Door Mirror Motor Down, Assistant Door Mirror Motor Left, Assistant Door Mirror Motor Right, Assistant Door Mirror Motor Up, Assistant Door Pocket Illumination Light, Assistant Outer Handle Illumination Light, Assistant Remote Switch Illumination Light, Assistant Side Power Window Motor Down, Assistant Side Power Window Motor Up, Assistants Inner Handle Illumination Light, Auto Lock Cancel Switch, Automatic Headlights, Boost Pressure Test, Brake Pad Exchange Mode, BSI Buzzer Status, BSI Fail Lamp, BSI Indicator On, BSI System Fail, BSI System Status, BSI Unavailable, Buzzer, CARD BATT Indicator Turn On, Cargo Light Drive UV Only, Cargo Light Drive, Charge LID Relay, Clean Left Side Radar, Clean Right Side Radar, Clear History Of Switch device, Climate Ctrl Check, Clutch Pressure Control (Linear) Solenoid A, Clutch Pressure Control (Linear) Solenoid B, Clutch Pressure Control (Linear) Solenoid C, Clutch Pressure Control (Linear) Solenoid D, Clutch Pressure Control Solenoid A, Clutch Pressure Control Solenoid B, Clutch Pressure Control Solenoid C, CMBS Brake, Column Telescopic Motor - Full Down, Column Telescopic Motor - Full Up, Column Tilt Motor - Full Down, Column Tilt Motor - Full Up, Communication Status Check, Communication Using Cabin Front Antenna, Communication Using Cabin Middle Antenna, Communication Using Cabin Rear Antenna, Communication Using Driver Antenna, Communication Using Front Passenger Antenna, Communication Using Rear Driver Antenna,

Communication Using Rear Passenger Antenna, Communication Using Trunk Room Antenna, Communication Using Trunk/Tailgate Antenna, Cruise Control Cancel History, CS FS Antenna, CTM Buzzer Status, CTM System Fail, CTM System Status, Daytime Running Light (Canada), Daytime Running Light Output, Daytime Running Light Relay, DC Output Cabin Front Antenna, DC Output Cabin Middle Antenna, DC Output Cabin Rear Antenna, DC Output Driver Antenna, DC Output Front Passenger Antenna, DC Output Rear Driver Antenna, DC Output Rear Passenger, DC Output Trunk Room Antenna, DC Output Trunk/Tailgate Antenna, Detect Equipped Honda Body Systems, Display Card Batt, Display Do not have key, Display No Card, Door Lock Without Answer Back, Door Lock, Lock Actuator, Door Lock, Unlock Actuator, Door Unlock Without Answer Back, Driver Door Courtesy Light, Driver Door Lock Unlock Actuator, Driver Door Mirror Motor Down, Driver Door Mirror Motor Left, Driver Door Mirror Motor Right, Driver Door Mirror Motor Up, Driver Door Pocket Illumination Light, Driver Door Power Window Motor - Down, Driver Door Power Window Motor - Up, Driver Inner Handle Illumination Light, Driver Outer Handle Illumination Light, Driver Rear Door Courtesy Light, Driver Remote Switch Illumination Light, Driver Side Power Window Motor Down, Driver Side Power Window Motor Up, DRL Relay, DUAL Indicator, DWS/Indirect TPMS Parameter Configuration Message, EGR Tests, Electric Current of Linear Solenoid CPC, Electric Current of Linear Solenoid DN, Electric Current of Linear Solenoid DR, Electric Current of Linear Solenoid SC, EU DRL, EVAP Solenoids Test, EXT F (Cabin Front Antenna), EXT FR AS (Passenger's Antenna), EXT FR DR (Driver's Antenna), EXT INTTRUNK (Trunk Room Antenna), EXT M (Cabin Middle Antenna), EXT R (Cabin Rear Antenna), EXT RR AS (Passenger Side Rear Passenger's Antenna), EXT RR DR (Driver Side Rear Passenger's Antenna), EXT RT (Cabin Rear Tray Antenna), EXT Side-Glass AS (Side-Glass Passenger Antenna), EXT Side-Glass DR (Side-Glass Driver Antenna), EXT TR (TRUNK Or TAIL-GATE Antenna), Exterior Buzzer Output (Short Time), Exterior Buzzer Output(Long Time), Exterior Buzzer Output, Exterior BUZZER, External Buzzer ON, Fail Wipe Signal, FCAN Authorized Flag, FI Wakeup, Flash Left Side Indicator, Flash Right Side Indicator, Floor Light, Foot Light, Forced Control Of Electric Current Of Linear Solenoid D, Forced Control Of Lockup Clutch, FR DEICER RLY, FR-DEF Indicator, Front ACM Solenoid, Front And Rear ACM Solenoid, Front Center Detection Result, Front Defroster Relay, Front Detection Sound Request, Front Display - Backlight, Front Fog Light, Front Left Detection Result, Front Panel Module, Front Right Detection Result, Front Washer Motor, Front Wiper High Speed, Front Wiper Low Speed, Front Wiper Motor (High), Front Wiper Motor (Low), Frontal Crash Detection Signal Output, Fuel Lid, Fuel Pump OFF, Fuel Pump ON, G/Box Relay, Gate Light, Gear Shift, Glass Hatch Open, Green LED, Hazard Flashers, Hazard Relays, Head Light (High), Head Light High, Head Light Low, Head Light, Headlight Backup, Headlight Cleaner, Headlight Washer Motor, Headrest Motor, High Wipe Signal, Horn, IGNCONT Line, Ignition Key Light, IGNTRX Line Turn To Low Level, IGNTRX Line, Immobilizer Indicator Turn On, Immobilizer Lamp, IMOCONT Line, IMS1 Output, IMS2 Output, IMT(IMRC) Activation, IMT(IMRC) Test, Indicator, INH Solenoid For Start Clutch Type, Initiator Operation Check, Injector Kill Test, Intake VTC Test, Interior Buzzer Output, Interior Light Cut, Interior Light, Interior Small Light, Intermittent Wipe Signal, Internal Buzzer ON, ISO Warning Light, Key Switch Out Line Turn To On, Keyless Buzzer, keyless Check, Left And Right Parking Actuator Control, Left BSI Radar Unavailable, Left Front CAS Solenoid, Left Front Pulser, Left Front Solenoid, Left Front TCS Solenoid, Left Front VSA Solenoid, Left Power Mirror Full Down, Left Power Mirror Full Left, Left Power Mirror Full Right, Left Power Mirror Full Up, Left Power Sliding Door - Buzzer, Left Power Sliding Door - Closer Motor, Left Power Sliding Door - Clutch, Left Power Sliding Door - Drive Motor - Close, Left Power Sliding Door - Drive Motor - Open, Left Power Sliding Door - Release, Left Rear Power Window Motor - DOWN, Left Rear Power Window Motor - UP, Left Rear Power Window Motor Down, Left Rear Power Window Motor Up, Left Rear Pulser, Left Rear Solenoid, Left Rear VSA Solenoid, Left RR Slide Relay, Left Side Indicator, Left Slide Actuator, Left Sliding Door Lock, Left Sliding Door Unlock, Left Turn Signal Lamp, Lights Off Using Backup Line,

Lights On Using Backup Line, LIN Washer, LIN Wiper Assembled Position Operation, Lock/Unlock All Doors, Lockup Clutch, Low Wipe Signal, Lumbar Horizontal Motor, MA EPS CONTROL ON/OFF, MA EPS Switching, Maintenance Position Front Wiper, Map Light Off, Memory Buzzer, Memory Indicator 1, Memory Indicator 2, Memory Seat Indicator 1, Memory Seat Indicator 2, Memory Switch Illumination Light, Meter Buzzer, Navigation LCD Display Segment, No CARD Indicator Turn On, No Rain Condition Signal, No Wipe Signal, Occupied Signal Output, Off-Board EVAP Test (Level 2) Support, Parking Lights, Passenger Door Power Window - Down, Passenger Door Power Window - Up, Passenger Rear Door Courtesy Light, Power Seat - Front Up/Down Motor - Full Down, Power Seat - Front Up/Down Motor - Full Up, Power Seat - Rear Up/Down Motor - Full Down, Power Seat - Rear Up/Down Motor - Full Up, Power Seat - Recline Motor - Full Backward, Power Seat - Recline Motor - Full Forward, Power Seat - Slide Motor - Full Backward, Power Seat - Slide Motor - Full Forward, Power Tailgate Clutch, Power Window Relay, Power Window RLY Rr, Pressure Test Assistance mode, PTG Motor Close, PTG Motor Open, PTG Release Close, PTG Release, Puddlelt, Purge Cut Solenoid (PCS) - Close, Purge Sol Cut Solenoid (PCS) - Open, Purge Sol=Close, Vent Sol=Close, Purge Sol=Close, Vent Sol=Open, Purge Sol=Open, Vent Sol=Close, Radiator Fan, Rain Condition Signal, Rear ACM Solenoid, Rear Assistant Door Courtesy Light, Rear Blower, Rear Center Detection Result, Rear Defroster RLY, Rear Defroster, Rear Detection Sound Request, Rear Driver Door Courtesy Light, Rear Fog Lamp, Rear Left Detection Result, Rear Left Door Courtesy Light, Rear Left Inner Handle Illumination Light, Rear Right Detection Result, Rear Right Door Courtesy Light, Rear Right Inner Handle Illumination Light, Rear Seat Switch Light, Rear Washer Motor, Rear Wiper Motor, Recall Memory Position, RECIRC Indicator, Red LED, RF1 RXVCC, RF1 TXD Line, RF1 TXVCC, RF2 RXVCC, RF2 TXD Line, RF2 TXVCC, RF2 Unit RXVCC Power On, Right BSI Radar Unavailable, Right Front Pulser, Right Front Solenoid, Right Front TCS Solenoid, Right Front VSA Solenoid, Right Power Mirror Full Down, Right Power Mirror Full Left, Right Power Mirror Full Right, Right Power Mirror Full Up, Right Power Sliding Door - Buzzer, Right Power Sliding Door - Closer Motor, Right Power Sliding Door - Clutch, Right Power Sliding Door - Drive Motor - Close, Right Power Sliding Door - Drive Motor - Open, Right Power Sliding Door - Release, Right Rear Power Window Motor - DOWN, Right Rear Power Window Motor - UP, Right Rear Power Window Motor Down, Right Rear Power Window Motor Up, Right Rear Pulser, Right Rear Solenoid, Right Rear VSA Solenoid, Right RR Slide Relay, Right Side Indicator, Right Slide Actuator, Right Turn Signal Lamp, RR-DEF Indicator, Security Indicator, Security Net Line Turn To Low Level, Self Check, Self Diag Test, Self-Diagnostic Function, Serial Line Status Check, Shift Lock Solenoid, Shift Solenoid A, Shift Solenoid B, Shift Solenoid C, Shift Solenoid D, Shift Solenoid E, Side or Rear Crash Detection Signal Output, SMART Indicator Turn On, SMART KEY OUT, SMART Lamp, S-Net Line, Solenoid Valve Activation, Starter Switch Light, Store Memory Position, Sub Throttle, Sunroof Close, Sunroof Open, System Check, TC Bypass Valve, Throttle Actuator Control Test, Tilt Mirror, Tire Air Low Indicator, TP Position Check, TPMS Warning Light, Trunk (T/G), TSA Relay Test, Turbo Boost Control Solenoid V, Turn On Left Side Alert, Turn On Right Side Alert, Turn On Right Side Indicator, Unlock Trunk, Upper Park Position Front Wiper, Vent Shut Solenoid Valve (VSV) - Close, Vent Shut Solenoid Valve (VSV) - Open, VTEC Solenoid 1, VTEC Solenoid 2, VTEC Solenoid, VTEC Test, Warning Lamp, Warning light activation, Waste Gate Solenoid (WGS), Work LT

New Hyundai/Genesis Coverage

1 new Adjustment type special tests:

Passenger Occupant Detection Sensor (PODS) Reset

21 new Actuation type special tests:

ACC Relay, Activate Assist Side Antenna, Activate Driver Side Antenna, Activate Hat Shelf Antenna, Bumper Antenna Active, External Buzzer, FOB Battery Indicator, FOB Key Status Information, IGN1 Relay, IGN2 Relay, Immobilizer Indicator, Interior Antenna 1, Interior Antenna 2, Key Out Indicator, SSB Illumination, SSB LED Amber, SSB LED Blue/Red, SSB LED OFF, SSB LED White, Starter Relay, Trunk Antenna

New Kia Coverage

34 new Actuation type special tests:

ACC Relay, Activate Assist Side Antenna, Activate Driver Side Antenna, Activate Hat Shelf Antenna, Bumper Antenna Active, ESC(ESP) Valve(HSV1), ESC(ESP) Valve(HSV2), External Buzzer, FOB Battery Indicator, FOB Key Status Information, IGN1 Relay, IGN2 Relay, Immobilizer Indicator, Inlet Valve Left Front, Inlet Valve Left Rear, Inlet Valve Right Front, Inlet Valve Right Rear, Interior Antenna 1, Interior Antenna 2, Key Out Indicator, Motor Test, Outlet Valve Left Front, Outlet Valve Left Rear, Outlet Valve Right Front, Outlet Valve Right Rear, SSB Illumination, SSB LED Amber, SSB LED Blue/Red, SSB LED OFF, SSB LED White, Starter Relay, TCS Valve(USV1), TCS Valve(USV2), Trunk Antenna

New Mitsubishi Coverage

- Added coverage for 51 new system applications

4 new Adjustment type special tests:

Emission Gas Mode, Learning, Timing chain maintenance, Turn Signal sound customization

84 new Actuation type special tests:

A/C Relay, A-C Compressor Drive, A-C Compressor Relay O, A-C Relay, A-C Switch, Air Conditioning Output, Air Mix Damper Motor, Air Outlet C-O Damper, BSW Buzzer, BSW Indicator, BSW ON-OFF Setting, Chassis No VIN Information, Condenser Fan, Cooling Fan O, Cooling Fan, Defogger Indicator, Display Output, Dynamic Brake Buzzer, EGR Solenoid Valve, Engine Running Injector Kill Test, Engine Switch(LED ON), EPB Switch Indicator, EPB Warning Light, EVAP Emission Purge SOL Valve, EVAP Emission Ventilation SOL, EVAP Function Test, EVAP.Emission Purge SOL.Valve, EVAP.Emission Ventilation SOL., Evaporative Emission Purge Solenoid O, Evaporative Emission Ventilation Solenoid O, Fuel Gauge, Fuel Pump O, Fuel Pump, Idle Stop Cancellation Request, Idle Up Request, Ignition Timing 5 BTDC, Injector Stop, In-Out Select Damper, Input Vehicle Speed, LCD Backlight, LCD-Indicator, LDW Indicator: Standby Request, LDW Indicator: System Fail Req., LDW Indicator: TEMP. Fail Req., LDW Indicator: Warning Request, Leveling Actuator, Manual Reset Instructions, MAX COOL Request, Meter Illumination, Meter Indication (BSW Status), Meter Indication (RCTA Warning), Mirror Indicator, Mode Selection Damper, Oil Control Valve, Oil Feeder Control Valve O, Out-Inside Air Selection Damper, Parking Brake Light, Passenger S Airbag OFF Indicator Lighting Request, Passenger S Airbag ON Indicator Lighting Request, Passenger S SRS OFF Indicator, Passenger S SRS OFF Light, Passenger S SRS ON Indicator, Passenger S SRS ON Light, PTC Heater Drive Request, PTC Heater, PWM Radiator Fan, Radiator Fan High, Radiator Fan Low, Radiator Fan(High), Radiator Fan(Low), RCTA Buzzer, Rear Defogger Indicator, Rear Defogger Switch, Rear Fan Step (Input Value), Speedometer, SRS Warning Light Lighting Request, SRS Warning Light, Stoplight:ON, Switch Illumination, Tachometer, TSR Display Request, Variable Intake Solenoid, VVT Oil Control Valve, Waste Gate Solenoid Valve

New Subaru Coverage

- Added coverage for 32 new system applications

35 new Adjustment type special tests:

Actuator Initialization, AT learning mode, ATF Deterioration Degree Indication, Auto Retractable Power Door Mirror Open Close ON/OFF Setting, Auto Retractable Power Door Mirror Open Trigger Setting, Camera Caution Display Settings, Camera Guide Line Settings, Clear AT Learning Value, Compressor Auto Mode, Diag Recorder Settings, 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, Memory Initialization, Mode/All Flow, Mode/Heat III, Mode/Vent II, RAB Operation Record Data, Record Clear, Reverse Interlocking Door Mirror Last Memory ON/OFF Setting, Reverse Interlocking Door Mirror ON/OFF Setting, Reverse Interlocking Door Mirror Tilt Down Side Setting, Set Temperature Shift, Simple Roughness Monitor, Steering Angle Sensor and Lateral G Sensor 0 Point, Steering Angle Sensor and Neutral G Sensor 0 Point, System Initialization, Tire Pressure Sensor Registration, Variable compressor break-in drive, Variable Flow Change Sol Duty Setting, VIN Entry

238 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, Air Mix Door Actuator Target Open (Driver Side), Air Mix Door Actuator Target Open (Passenger Side), 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, AM Seek Up/Down, 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, Diag Recorder Data delete, Diag Recorder Data output, Digital Audio Broadcast Antenna Check, Digital TV check, Door Mirror Indicator Active Test, Down range display, Driver Door, Driver Seat Belt Reminder, Driver Seat Mirror Operation Test, 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, FM Seek Up/Down, 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, LED Switch Lighting Test, 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 Mirror Operation Test, Passenger Seat Sensor Power Supply, P-CR OFF, PCV Test, Position light, Power Meter (100%), Power Meter (-100%), Power Windows Tests, Primary Down Solenoid, Primary Up Solenoid, Quantity of Sunload Setting, 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, Recline Motor Backward, Recline Motor Forward, Red LED Flashing, Red LED Lighting, Red Led Off, Right Steering Responsive Headlight, ROM ID, Seat Slide Backward, Seat Slide Forward, 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

6 new Adjustment type special tests:

Air Bleeding, ECB Utility, EPB Initialize, Forced Actuator Refresh, Reset Memory, Zero Point Sensor Calibration

9 new Actuation type special tests:

ECB Main Relay, ECB Solenoid (SLA), ECB Solenoid (SLR), EPB Control Switch, EXO, Motor Relay, Signal Check, Solenoid Relay, Stop Lamp Relay



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