

# Bosch ADS Software Update – Oct 2024

## Ver 6.2

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

**Version 6.2** software includes more model year **2024** vehicle coverage and additional **ADAS** calibrations.

Over 1.1K new special tests and new system applications included in this update.

Software and coverage feature details provided in these release notes.

*Note: Next release 6.3 is scheduled for Nov 13*



ADS X

ADS

## Coverage Highlights (More Details start on Page 2)

### 2024 Coverage added – DTC, Data support and Bi-Directional functions

- **Buick** – Envista
- **Chevrolet** – Blazer EV, Equinox EV, Silverado EV
- **GMC** – Acadia, Sierra EV
- **Toyota** – Land Cruiser

### ADAS\*\* – New ADAS calibration coverage:

- **2019-2024 Coverage:**
  - BMW – MY2022 iX
  - Buick – MY2024 Envista
  - Lincoln - MY2024 Nautilus
  - Mazda - MY2024 CX-90
  - Mercedes Benz – MY2019 A-Class
  - Toyota – MY2024 Land Cruiser, Tacoma

*\*\*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.*

## Bug Fixes/Improvements

- Corrected DTC clear time out issue on a few specific Toyota ECUs
- Corrected black screen post update
- Instructions on how to disable Google Play Protect services as to not interfere with software updates

## New Coverage Details – USA Domestic

### New Ford/Lincoln Coverage

#### 133 new Actuation type special tests:

(Cruise) Resume Switch, (Cruise) Set- Switch, (Cruise) Set+ Switch, ABS Valve Power Supply, ABS Warning Lamp, A-C Recirculating Servo Position Status, Adaptive Cruise Distance Gap (-) Switch, Adaptive Cruise Distance Gap (+) Switch, AHD (Auto Headlamp Dipped), Air Mode Actuator, Airbag Warning Indicator, All Warning Lamps, Anti-Theft Horn Status, Auxiliary Blower Output, Auxiliary Transmission Fluid Pump Commanded, Blind Spot Detection System Telltale, Blower Motor Speed, Brake System Fault Indicator Lamp, Brake-Shift Interlock, Cabin Coolant Heater Control, Cabin Heater Diverter Valve, Center High Mounted Stop Lamp Output Control, Coolant Overtemp, Coolant Pump -A- Control Speed - Commanded, Coolant Pump -B- Control Speed - Commanded, Courtesy Lamps, Courtesy Puddle Step Lamps, DC To DC Converter Enable, Delayed Accessory Power, Desired Idle Speed (Rpm), Diesel Pre-Heater, Door Lock, Output, Driver Heated Seat, Dynamic Stability Control (DSC) Off, Eco Stop-Start, Engine Coolant Bypass Valve -D- Output Status, Front Fog Lamp Indicator, Front Left - Front Right Traction Control Supply 1, Front Park Lamps Output, Fuel Gauge Indicator Control, Fuel Pump Relay, General Warning Indicator 1 (Red), General Warning Indicator 2 (Amber), HEV Ready Light, High Beam Indicator, Hill Descent Control, Hybrid-EV Traction Battery Thermal System Operational Levels, Hybrid-EV Wake Up - Commanded, Hydraulic Pump Motor, Key (Removal) Inhibit, Lamp Control, Lane Departure Warning Telltale, LED Backlighting, Left Blend Door Position, Left Front Dump, Left Front Fog Lamp, Left Front Isolation Valve, Left Front Turn Signal Lamp Status, Left Front-Right Rear Traction Control Supply 1, Left Front-Right Rear Traction Control Valve 1, Left Headlamp High Beam, Left Rear Dump, Left Rear Isolation Valve, Left Rear Turn Signal Lamp Status, Left Rear Turn Signal-Trailer Relay Status, Left Turn Signal Lamp Status, Liftgate Release Output Status, LIGHTS ON WARNING., Load Shed Output Control, Low Fuel Warning Indication, Low Washer Fluid Warning, Maintenance Warning Lamp, Max Defrost, Motor Electronics Coolant Pump, Oil Pressure Low Indicator, Oil Pressure, On Demand Test, Passenger Heated Seat, PCM WAKEUP LINE, Rear Fog Lamp Indicator, Rear Left - Rear Right Traction Control Supply 2, Reverse Lamp, Right Blend Door Position, Right Cursor Down Arrow, Right Cursor Left Arrow, Right Cursor OK Button, Right Cursor Right Arrow, Right Cursor Up Arrow, Right Front Dump, Right Front Fog Lamp, Right Front Isolation Valve, Right Front Turn Signal Lamp Status, Right Front-Left Rear Traction Control Supply 2, Right Front-Left Rear Traction Control Valve 2, Right Headlamp High Beam, Right Rear Dump, Right Rear Isolation Valve, Right Rear Turn Signal Lamp Status, Right Rear Turn Signal-Trailer Relay Status, Right Turn Signal Lamp Status, Run-Accessory Output Control, Run-Start Output Control, Safety Belt Warning Lamp, Shock Setting Button, Side Light Lamp, Sounder Output Request, 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, Start Button Mode Indicator Control, Starter Motor Control Output Detected, Steering Effort Button, Stop-Start Telltale Amber, Stop-Start Telltale Red, Tachometer Gauge Indicator Control, Temperature Gauge, Third Row Power Fold Seat Output, Tire Pressure Telltale Status, Traction Control Indicator, Traction Control Off Indicator, Trailer Brake Output Circuit Duty Cycle - Measured, Trailer Tow Park-Tail Lamp Output, Transmission System (Mil) Fault, Transmission Temperature Gauge Pointer Position, Turbo Boost Gauge Pointer Placement Command, Warning Lamp Status 1 - Charge Warning

## New GM Coverage

- Added coverage for 174 new system applications

### 21 new Adjustment type special tests:

Automated Brake Bleed, Backup Battery Timer Reset, Brake Pedal Travel Sensor Learn, Brake Pressure Sensor Calibration, Brake System Plunger Motor Position Sensor Learn, Brake System Plunger Pressure Rise Starting Point Learn, Clear Manufacturer Enable Counter, Clear Short Range Radar Sensor Vehicle Position, Front Axle Brake Pad Life Monitoring Reset, License Compliance Materials Download Error Counter Reset, Park Brake Calibration, Passenger Presence Sensor Learn, Radio Favorites Reset, Rear Axle Brake Pad Life Monitoring Reset, Rear Gate Driver Information Center Message Reset, Remote Vehicle Speed Limiting Reset, RVS Disable History Reset, Steering Wheel Angle Sensor Centering, Steering Wheel Angle Sensor Offset Calibration, Vehicle Dynamic Sensor Offset Calibration, WLAN Password Reset

### 103 new Actuation type special tests:

Accessory Circuit 1 Command, Accessory Circuit 2 Command, Accessory Circuit 3 Command, Accessory Circuit 4 Command, Activate Rear Park Brake Service Position, Assist Step Courtesy Lamp, Audio Source Control, Backup Lamps, Balance, Bass, Brake Hydraulics Test, Brake System Boost Pressure Test, Brake System Hydraulics Corner Test, Charge Port Light Command, Control Functions, Deactivate Brake Boost System, Deactivate Rear Park Brake Service Position, Display Check, Drive Unit Fluid Pump Speed Command, Drive Unit Park Control Actuator Command, Equalize All Air Spring Pressures, Equalize Front Axle Spring Pressures, Equalize Rear Axle Spring Pressures, Exit Four Corner Air Suspension Service Control Mode, Fader Position Control, Fog Lamps, Front Axle Differential Lock High Control Relay, Front Axle Differential Lock Indicator, Front Axle Differential Lock Low Control Relay, Green Indicator, Head-Up Display Pattern Check, Illuminate All Indicators, Info Display Dimming, Instrument Cluster Gauge Sweep, Instrument Cluster, Left Assist Step Motor, Left Daytime Running Lamp, Left Front Air Spring Deflate, Left Front Air Spring Inflate, Left Front Corner, Left Front Park Lamp, Left Front Suspension Position Sensor Trim Height, Left Front Turn Signal Lamp, Left High Beam, Left Low Beam, Left Park Brake Actuator, Left Rear Air Spring Deflate, Left Rear Air Spring Inflate, Left Rear Corner, Left Rear Suspension Position Sensor Trim Height (mm), Left Rear Turn Signal Lamp, Left Rear Turn Signal/Stop Lamp, Left Side Marker Lamp Command, Left Tail Lamp, Left Trailer Turn Signal/Stop Lamp Command, Level Vehicle to Target Height, License Plate Lamps, Liftgate Open/Close, Master Cylinder Pressure Test Data, Mid-Range, Object Detection Alert Indicators, Passenger Seat Belt Tension Sensor, Phone Call Test, Pneumatic Connection Pressure Test, Proactive Alerts, Rear Axle Differential Lock Indicator, Rear Cross Traffic Audible Alert, Rearview Camera Display, Red Indicator, Right Assist Step Motor, Right Daytime Running Lamp, Right Front Air Spring Deflate, Right Front Air Spring Inflate, Right Front Corner, Right Front Park Lamp, Right Front Suspension Position Sensor Trim Height, Right Front Turn Signal Lamp, Right High Beam, Right Low Beam, Right Park Brake Actuator, Right Rear Air Spring Deflate, Right Rear Air Spring Inflate, Right Rear Corner, Right Rear Suspension Position Sensor Trim Height (mm), Right Rear Turn Signal Lamp, Right Rear Turn Signal/Stop Lamp, Right Tail Lamp, Right Trailer Turn Signal/Stop Lamp Command, Seat Back Horizontal Movement, Seat Cushion Front Vertical Movement, Seat Cushion Rear Vertical Movement, Seat Horizontal Movement, Steering Column Adjustment, Test Compressor Pneumatic Operation, Trailer Backup Lamps, Trailer Fog Lamps, Trailer Left Parking Lamp Command, Trailer Parking Lamp Command, Trailer Right Parking Lamp Command, Treble, Vehicle Health Data Upload, Volume Control, Windshield Wiper Relay

## New Coverage Details – USA Asian

### New Mazda Coverage

#### 18 new Adjustment type special tests:

Brake Fluid Pressure Sensor Initialization, Calibrating Lateral G Sensor for DSC, Calibrating Longitudinal G Sensor for DSC, Calibrating Pressure Sensor for DSC, Calibrating Yaw Rate for DSC, Calibration For Passenger Seat Sensor, Change Engine Oil Maintenance Monitor Setting, Coupling Calibration Data Writing, Engine Oil Life Reset, Engine Oil Press Sol. Valve - Oil deteriorate diagnostic reset, Lateral Acceleration Sensor Initialization, Longitudinal Acceleration Sensor Initialization, Reset KAM, Special Ignition ON, The Zero Position Learning for Yaw Rate Sensor, Tire Pressure Sensor Registration, TPMS Reset, Yaw Rate Sensor Initialization

#### 95 new Actuation type special tests:

Active Grill Air Shutter Position, Air Conditioning Compressor Cycling Switch, Alarm, All Doors Lock Motor, All LCD Segments, All Warning Lamp and Indicator Lamp, Blower Motor Relay, Burglar Horn Relay, Buzzer, Control Request of Door Lock Relay to ESU, Control Request of Door Unlock Relay to ESU, Control Request of Reverse Lamp to ESU, Control Request of Room Lamp to ESU, Control Request of Trunk/Cargo Compartment Light to ESU, Control Request of Trunk/Liftgate Electric Latch Motor to ESU, Control Signal of Stop Lamp, Coupling Solenoid Duty Cycle, Desired RPM, Desired SEGRP Valve Position, DRL Control Request to ESU, EATC Operation Check, Electric Latch (Unlock), Electric Latch Motor Relay, Electric Oil Pump - Duty Cycle, Electric Oil Pump Relay, Electric Oil Pump, Engine Oil Press Sol. Valve - Event Data Recorder Set, EVAP Canister Purge Valve, EVAP Canister Vent Valve, FAN1 Control Signal, FAN2 Control Signal, FAN3 Control Signal, Front Fog Relay, Front Washer Control Request to ESU, Fuel Injector 1, Fuel Injector 2, Fuel Injector 3, Fuel Injector 4, Fuel Pump, Head Light Cleaner Relay, Headlight Hi Beam Control Request to ESU, Headlight Low Beam Control Request to ESU, Horn Relay, Inlet Valve Left Front, Inlet Valve Left Rear, Inlet Valve Right Front, Inlet Valve Right Rear, Intake Manifold Tuning Valve, KOEO Self Test, KOER Self Test, Maintenance Mode, Mirror Warning Indicator - Left, Mirror Warning Indicator - Right, On Demand Test, ON/OFF Solenoid 1, ON/OFF Solenoid 2, ON/OFF Solenoid 3, ON/OFF Solenoid 4, ON/OFF Solenoid 5, Outer Buzzer, Outlet Valve Left Front, Outlet Valve Left Rear, Outlet Valve Right Front, Outlet Valve Right Rear, Pressure Control Solenoid Current - Commanded, PTC Heater Status, Pump Motor Supply, Rear Defogger Relay, Rear Fog Lamp, Rear Wiper Control Request to ESU, Rear Wiper Motor - Low Speed, Reverse Lamp, Shift Solenoid 1 Current - Commanded, Shift Solenoid 2 Current - Commanded, Shift Solenoid 3 Current - Commanded, Shift Solenoid 4 Current - Commanded, Shift Solenoid A Commanded Current, Shift Solenoid B Commanded Current, Shift Solenoid ON/OFF, Speedometer, Stability Control Valve (Left Front / Right Rear), Stability Control Valve (Right Front / Left Rear), Stop Lamp Control, Tachometer, Target Exhaust VVT Control - Retard Amount from Advance Pos., TNS Control Request to ESU, Torque Converter Clutch Solenoid Current, Touch Sensor Power (Left Front), Touch Sensor Power (Right Front), Traction Control Valve (Left Front / Right Rear), Traction Control Valve (Right Front / Left Rear), Vacuum Pump Status Feedback Value, Variable Fan Duty Cycle, Vehicle Drive Device Function Test Mode, Wastage Valve Position

## New Nissan/Infiniti Coverage

### 12 new Adjustment type special tests:

Blind Spot Detection Configuration, Blind Spot Detection Shut-Off Requester Test, Fine Adjustment Front View Camera Top View, Fine adjustment of DS camera, top view, Fine adjustment of PAS camera, top view, Fine Adjustment Reversing Camera Top View, Front Camera Guidelines Correction, Lane Dep.Warning Camera Shut-Off Requ.Test, Lane Departure Warning Camera Configuration, Reset Adaption To Factory Setting, Reversing Camera Guidelines Correction, Steering Angle Initialization

### 14 new Actuation type special tests:

Air Pump, Air/Liquid Pump Of Camera, ALL INDICATORS DRIVE, Door Mirror LED LH, Door Mirror LED RH, External Buzzer, Lane Departure Warning Display, LED LH INDICATOR, Left Exterior Mirror LED Test, READY Indicator Lamp, Right Exterior Mirror LED Test, Warning Buzzer, Washer Fluid Pump Relay, Yellow Lane Dep.Warng.Indic. Lamp

## New Toyota/Lexus Coverage

- Added coverage for 42 new system applications

### 4 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, A/C Auto Switch Mode, A/C Operation Limit History Counter Clear, A/T Code Reset, A/T Compensation Code Reset, aCol Function, Activate The EGR Valve Close Bank 1, Activate The VN Turbo Open Bank 1, Advanced Park Parallel Parking Control Area, Advanced Park Perpendicular Parking Control Area, AFS Function, AHS Function, AHS Operation Vehicle Speed Setting (Pattern1), AHS Operation Vehicle Speed Setting (Pattern2), AHS Operation Vehicle Speed Setting (Pattern3), Air Bleeding, All Readiness, Ambient Temperature Adjustment, AT Code Registration, ATF Thermal Degradation Estimate Reset, Audio Information Display Function, Auto Door Lock Pattern Setting (Speed), Auto Entry Cancel 2 Setting, Auto Entry Cancel Setting, Automatic Door Lock Function, Automatic Door Lock Setting, Automatic Door Unlock Function when D-Door Open, Automatic Door Unlock Setting, Automatic Light Off Timing Setting, Automatic Mirror Fold Setting, Backup Battery Replacement Reset, Battery Status Info Update, Body Control with Torque Demand, Brake Line Air Bleeding, Brightness Level Adjust (Canceling), Brightness Level Adjust (Lowering), Clear Abnormal Operation History, Clearance Warning Buzzer Volume, Customize Setting Initialization, CVT Oil Pressure Calibration, Daytime Running Light Function, DCM Operation History, Door Auto Lock Timer Setting, 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 Sensor Touch Time Adjust, Driver Seat Distance Adjust when Get Off, Driver Seat Lift Up Distance Adjust when Get Off, Driver Seatbelt Warning Buzzer Function, DRL Function, ECO Drive Indicator Zone Display Function (Meter), ECO Drive Indicator Zone Display Function, ECO Mode Control, Efficient Ventilation Mode, Electronic Swivel Function, Entry Unlock Twice Function, EPB Initialize, EV Mode Cruising Range Reset, Evaporator Control, Extended Headlight Lighting, 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, Fan speed increment control, Flasher Sound Volume Adjust, Forced Actuator Refresh, Forget to Turn IG OFF Alarm Function, Front Center Seatbelt Warning Buzzer Function, Glass Hatch Open Function, Grille Shutter Initialization, Hazard Answer Back Function, Headlight ON in Conjunction



with Wiper Function, Heavy Knock History, Height Sensor Initialization, High Voltage Fuse Accumulated Load History Reset, Ignition Available Area Setting (Back Door Type), Ignition Available Area Setting (Trunk Lid Type), Initialization, Injection Timing Value, Injection Timing, Interior Footwell Lights Function, Interior Illumination Light 2 Function, Interior Illumination Light 3 Function, Interior Lights Lighting Timer Setting, Interior Lights ON Function, Intrusion Sensor 1 Sensitivity Level Adjust, Intrusion Sensor 2 Sensitivity Level Adjust, Intrusion Sensor Reduction in Sensitivity Setting, Intrusion Sensor Sensitivity Level (Window Open), Intrusion Sensor Sound Detection Function, Ion Generate Control, IPA Obstacle Avoidance Distance, IPA Parallel Parking Control Area, IPA Perpendicular Parking Control Area, K0 Thermal Estimate Reset, Key Left in Vehicle Alarm Function, Key Low Battery Warning Function, Kick Sensor Operation Function with ACC ON, Lane Change Flashing Times Adjust, Light Auto OFF Delay Setting, Light Blink Clearance Lights at Unlock Function, Light Control Glass Brightness Memory Function, Light Control Glass Voice Control Function, Light up Clearance Lights at Door Unlock Function, Lock Indicator Lighting Time Adjust, Lost Communication Time Initialization, Master Caution Display Function, Memory Call Function, Multi Weather Light Function, Noise and Vibration Reduction, ODO Display Time After IG OFF Adjust, Open Door Warning Function, Operation History Clear, Outside Air Mode Auto Switch Function, P/W Operation Buzzer W/ Transmit Function, Panic Function, Park Wait Time Adjust, Parking Brake Service Mode, Passenger Seatbelt Warning Buzzer Function, PCS Cooperate Function, 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 Saving Wait Time(Out Of Entry Range), Power Steering ECU Initial Setting, Power Window Voice Control Function, Projection Adjustment (Distortion), Projection Adjustment (Keystone), Projection Adjustment (Tilt), Proposal Service Frequency Adjust, Proposal Service Volume Adjust, Proposal Services Function, R Wiper Stop Function at Back Door/Trunk Lid Open, Rain Mode, Rear Center Seatbelt Warning Buzzer Function, Rear Left Seatbelt Warning Buzzer Function, Rear Right Seatbelt Warning Buzzer Function, Rear Seatbelt Warning Buzzer Function, Rear Sunshade linked with Shift Lever R Funct, Rear Wiper Washer Function, Rear Wiper with Reverse Setting, Refrigerant Pressure History Clear, Refrigerant Shortage Check, Remote Air Conditioner Start Setting, Remote Air Conditioner Stop Setting, Remote Door Lock Setting, Reset Memory, Response Time Adjust, Reverse Buzzer Setting, Reverse Coupled Actuation Mirror Angle Setting, Seat Airflow Mode Setting, Seat Position Voice Control Function, Seat position/Tilt Telesco memory recall setting, Security Control with Mechanism Key Function, Sensitivity Adjust, Servomotor Initialization, Set Temperature Shift, S-FLOW Control Auto Function, Shift Lever R Signal Delay Time Adjust, Shift Linked Automatic Door Lock Function, Shift Linked Automatic Door Unlock Function, Slide Roof Open Warning Function, Slide Roof Voice Control Function, Speed Limit Display Function, Speed Linked Automatic Door Lock Function, Speed Linked Automatic Door Unlock Function, Start Indicator Function, Start Off Mode, Start Switch Light Function, Switch Battery Type, Switch Grille Shutter Control Mode, Switch Oil Maintenance Display, Tail Remind Buzzer Function, Telematics Microphone Volume Adjust, Telematics Speaker Volume Adjust, Tire Circumference Setting, Torque Sensor Adjustment, Touch Activation Over Threshold, 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, 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), Unlock Key Twice Function, Voice Guidance Function, Walk Away Lock after Getting Out Func (Closing), Walk Away Lock after Getting Out Function, Warning by Horn Function, Window Open Warning Function, Wiper Specification Switch, Wiper Voice Control Function, Wireless Backdoor Open Operation Adjust, Wireless Buzzer Response Function, Wireless Buzzer Volume Setting, Wireless Control Function, Wireless Glass Hatch Open Operation Adjust, Wireless Lock Function with Doors Open, Wireless Trunk Lid Open Operation Adjust, Wireless Unlock Twice Function, Zero Point Calibration

#### 4 new Actuation type special tests:

2nd START Indicator, 4LO Indicator, 4WD AUTO Indicator, 4WD Indicator (Green), 4WD Indicator (Yellow), 4WD Lock Indicator, 4WD Warning, ABS Warning, A-C Driving Demand, ACM Inhibit, 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 SLT Solenoid, Activate SLU Solenoid, Activate SR Solenoid, Activate the (Inverter) Water Pump, Activate the Circuit Relay, Activate the Coolant Water Route Switching Valve 2, Activate The Coolant Water Route Switching Valve, Activate The Electric Water Pump, Activate the Engine Oil Pressure Control Valve, Activate the EVAP Purge VSV, Activate The Fuel Filler Opener, Activate the Fuel Pressure Discharge, Activate The Fuel Vapor-Containment Valve, 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 (SLS) High/Low, Activate the Solenoid (SLS) MAX/MIN, Activate The Solenoid(Sc), Activate The Solenoid(Slp), Activate the TC Terminal, Activate The Vacuum Pump, Activate The VSV For Intake Control, Activate The VSV For Swirl Control Valve, Activate The VSV For Vent Valve, Active TRC Indicator, ACTIVE TRC Warning, Advanced Parking Guidance Indicator, AFS Indicator (Malfunction) Display, AFS OFF Indicator, AHS LH High Beam, AHS RH High Beam, Air Bypass Valve Bank 2, Air Inlet Damper Control Servo Motor, Air Suspension Indicator (HI), Air Suspension Indicator (LO), Air Suspension Indicator (N), Airbag Warning, All Indicator, Alternator Voltage Control, ASL Indicator, ASL Warning, 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, Auto Air Conditioner Indicator, Auto Leveling Headlamp Indicator, Auto LSD Indicator, Auto Power OFF Cancel, Automatic High Beam Indicator (Green), Automatic High Beam Indicator (Yellow), Automatic High Beam Switch Light, Auxiliary Battery Warning, AVS Comfort Indicator, AVS Sports Indicator, Back Door Sensor Power Supply, Beep, Blower Level, Brake Hold Indicator, Brake Override Warning, Brake Warning, BSM Indicator, BSM OFF Indicator, BSM Warning, 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), Cancel Communication Function Pausing, Cargo Light, Center DIFF LOCK Indicator, Charge Indicator, Charge Warning (Red), Charge Warning, Check Engine Warning, Check Mode, Check The Cylinder Compression, Clearance Light (+ Front Side Marker Light), 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 Test, Connect The TC And TE1, Control the ACIS VSV Motor Duty Ratio, Control The ACM Inhibit, Control The EGR Step Position Bank 1, Control The EGR Step Position, 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 VVT OCV Duty Ratio Bank 1,

Control the Exhaust VVT OCV Duty Ratio Bank 2, Control The Fuel Pump Duty Ratio (Brushless), Control the Fuel Pump Duty Ratio, Control The Injection Mode, Control The Injection Volume For A/F Sensor, Control the Intake VVT OCV Duty Ratio Bank 1, Control the Intake VVT OCV Duty Ratio Bank 2, Control the Motor/Generator Cooling Oil Pump, Control The Select Cylinder Fuel Cut, Control the Shift Area (CVT), Control the Target Fuel Pressure Offset, Control the Transmission Oil Pump, Control the Wastegate Valve Duty Ratio, Coolant Cool Warning Lamp, Coolant Hot Warning Lamp, Cooling Electric Expansion Valve, Cornering Light-Front Side Illuminate Light (Dim), Cornering Light-Front Side Illuminate Light, CRAWL Indicator, CRAWL Warning, Cruise Indicator (Yellow), Cruise Indicator, D-4S (A/F Control), D-4S (Fuel Cut), D-4S (Injection Volume), Daytime Running Light, DCM Firmware Update, D-Door Unlock, Delivery Heater, Diesel Particulate Filter Warning, Diesel Throttle Target Angle Bank 1, Dimmer Signal, Door Lock, Door Open Warning, Door Unlock, Downhill Assist Control Indicator, Downhill Assist Control Warning, Drift From The Lane Indicator, Drift From The Lane Warning, Driver Seat Sensor Power Supply, Driver Side Seat Belt Warning, ECB Main Relay, ECB Solenoid (SLA), ECB Solenoid (SLR), ECB Utility, ECB Warning, ECO Mode Indicator, ECONO Indicator, ECT PWR Indicator, ECT SNOW Indicator, Electrical Fan, Emergency Call Cancellation, Emergency Exit Warning, EPB Auto OFF Indicator, EPB Control Switch, EPS Warning, EV Drive Indicator, EV Mode Indicator, Extended Illumination 1, Extended Illumination 2, Fr Control Rear Air Outlet Damper Servo Motor, 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, Front Footwell Lights, Front Left Air Mix Damper Control Servo Motor, Front Left Air Outlet Damper Control Servo Motor, Front Left Seat Blower, Front Left Seat Heater, Front Right Air Mix Damper Control Servo Motor, Front Right Air Outlet Damper Control Servo Motor, Front Washer Relay, Front Wiper Hi Operation, Front Wiper Lo Operation, Fuel Cap Reminder Warning, 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 Lid Lock Relay, Fuel Pump - Duty Cycle, Fuel Pump Single Phase Energization, Fuel Warning (CNG), Glass Hatch Open, GLOW Warning, Go To Service Warning, Green Indicator, Head Up Display Indicator, Headlamp Indicator, Headlight Leveling Indicator Display, Headlight Leveling Initialize Incomplete Display, Headlight Relay-Light Power Supply Relay, Headlight System Malfunction Display, Heater Valve, Heating Electric Expansion Valve, Height High Indicator, Height High Warning, High Beam Headlight, High Beam Indicator, High Pressure Magnetic Valve, Hold 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, 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), Hybrid Battery Charge, Hybrid System Warning, Hydrogen Leak Warning, ICS OFF Warning, IG OFF P-W Control Permission Output, Illuminated Entry System, Immobilizer Indicator, iMT Indicator (Green), iMT Indicator (Yellow), Injection Timing Select Cylinder, Injection Volume, Injector Compensation, Inside Luggage Tuner Power Supply, Inspection Mode, Intercooler Water Pump Relay, INTUITIVE P-A LCD Indicator, INTUITIVE P-A LCD OFF Indicator, Ion Generator, KDSS Warning, Key Cylinder Illumination, LDA Indicator (White), LDA Indicator, LDA Steering Control Indicator, LDA Warning, LED Headlamp Warning, Left LDA Indicator, Left LDA Warning, Left Turn Signal Indicator, 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, Load Specification Information, Low Beam, Low Pressure Magnetic Valve, LPG Indicator, Luggage Mode Indicator (Yellow), Luggage Mode Indicator, Maintenance Warning, Master Warning, 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), Mirror Fold Signal, Mirror Return Signal, MMT E Mode Warning, Motor Relay, 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), Navi CVT Indicator, Night View Indicator, O-D OFF Indicator, ODO-TRIP Change Switch, OFF Road Guidance Indicator, OFF Road Guidance Warning, 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 Warning, Outer Mirror Reverse Light, Outside Mirror Footwell Lights, Over Speed Indicator, Overhead Tuner Power Supply, P Range Indicator, Panel Light, Park Warning, Passenger Seat Sensor Power Supply, Passenger Side Seat Belt Warning, PCS OFF Warning, PCS Warning, Pedestrian Protection Warning, PPS Warning, Prohibit the Catalyst OT Misfire Prevent Fuel Cut, Prohibit the Idle Fuel Cut, PTC Heater, Radar Cruise Indicator (Yellow), Radar Cruise Indicator, RCD OFF Indicator, RCTA Indicator, RCTA OFF Indicator, Ready Indicator, Rear Air Mix Damper Control Servo Motor, Rear Blower Level, Rear Buzzer, Rear Defogger Relay, Rear DIFF LOCK Indicator, Rear Driver Side Sensor Power Supply, Rear Fog Lamp Indicator, Rear Fog Light, Rear Inner Wheel Control Indicator, Rear Inner Wheel Control Warning, Rear Left Seat Heater, Rear Light Indicator, Rear Passenger Side Sensor Power Supply, Rear Right Air Mix Damper Control Servo Motor, Rear Right Seat Heater, Rear Seat Belt Warning, Rear Washer Relay, Rear Welcome Light, Rear Wiper Operation, Red Indicator, Reductant Discharge, Reductant Filling (Pressure Keep), Reductant Injection Valve, Reductant Pipe Heater, Reductant Pump Check (Backward), Reductant Purge, Reductant Tank Heater, Reductant Warning, Refrigerant Gas Volume Check, Relay for Interior Light Auto Cut Function, Reverse Signal, Ride Mode Indicator, Right Front Seat Heater, Right LDA Indicator, Right LDA Warning, Right Turn Signal Indicator, Security Horn, Security Indicator, Self Power Siren, SET Indicator, Shift-By-Wire Warning, Signal Check, SIL Indicator (Down), SIL Indicator (Up), Slip Warning, 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, Solenoid Relay, 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 (120km-H,120mph), Speedometer Operation (160km-H,160mph), 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), Start SW Light Power Supply, Steering Heater Indicator (Yellow), Steering Heater, Stop And Start OFF Indicator, Stop And Start ON Indicator, Stop Lamp Relay, 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), Tachometer Operation (0rpm), Tachometer Operation (10000rpm), Tachometer Operation (2000rpm), Tachometer Operation (3000rpm), Tachometer Operation (4000rpm), Tachometer Operation (5000rpm), Tachometer Operation (6000rpm), Tachometer Operation (7000rpm), Tachometer Operation (8000rpm), Tachometer Operation (9000rpm), Tailgate Open, Taillamp Indicator, Taillight-Clearance Light, Test The Turbo Charger Step Motor Bank 1, Timer Switch (00), Timer Switch (H), Timer

Switch (M), Timer Switch (Single), Timing Belt Warning, Tire Pressure Warning System Indicator, Tow Haul Indicator, Trailer Reverse Assistant Light, Trip Reset Switch, Vehicle Approach Warning OFF Indicator, Vehicle Horn, Vehicle Proximity Notification System Warning, Vehicle Stop Warning, VGRS Warning, 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 OFF Indicator, VSC TRC Indicator, Washer Nozzle Heater, Washer Warning, Water Level Warning, Water Pump, Water Temperature Meter Operation (110C,230F), 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), Wiper Power Relay, Wireless Buzzer

## New Coverage Details – USA European

### New Mercedes Benz Coverage

#### 1 new Adjustment type special tests:

ECU Reset

#### 2 new Actuation type special tests:

Defogger Control, Steering Wheel Vibration Test

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