

Bosch ADS 325/625 Software Update – July 2020

Ver 4.4

<https://www.boschdiagnostics.com/pro/ads/>

Version 4.4 contains model year 2020 coverage for Chrysler/Jeep, Honda/Acura, Hyundai, Kia, Mazda, Mitsubishi, Fiat, and Alfa Romeo vehicles including DTCs, Live Data and Special Tests.

4.4 also includes exciting new changes to the Main Menu and Diagnostics menu adding QuickScan, Coverage Guide, Special Test Search and more.

Over 1300 new tests are included in this 4.4 update including software enhancements and bug fixes.

Software and coverage feature details provided throughout these release notes.



Coverage Highlights (Coverage details start on Page 5)

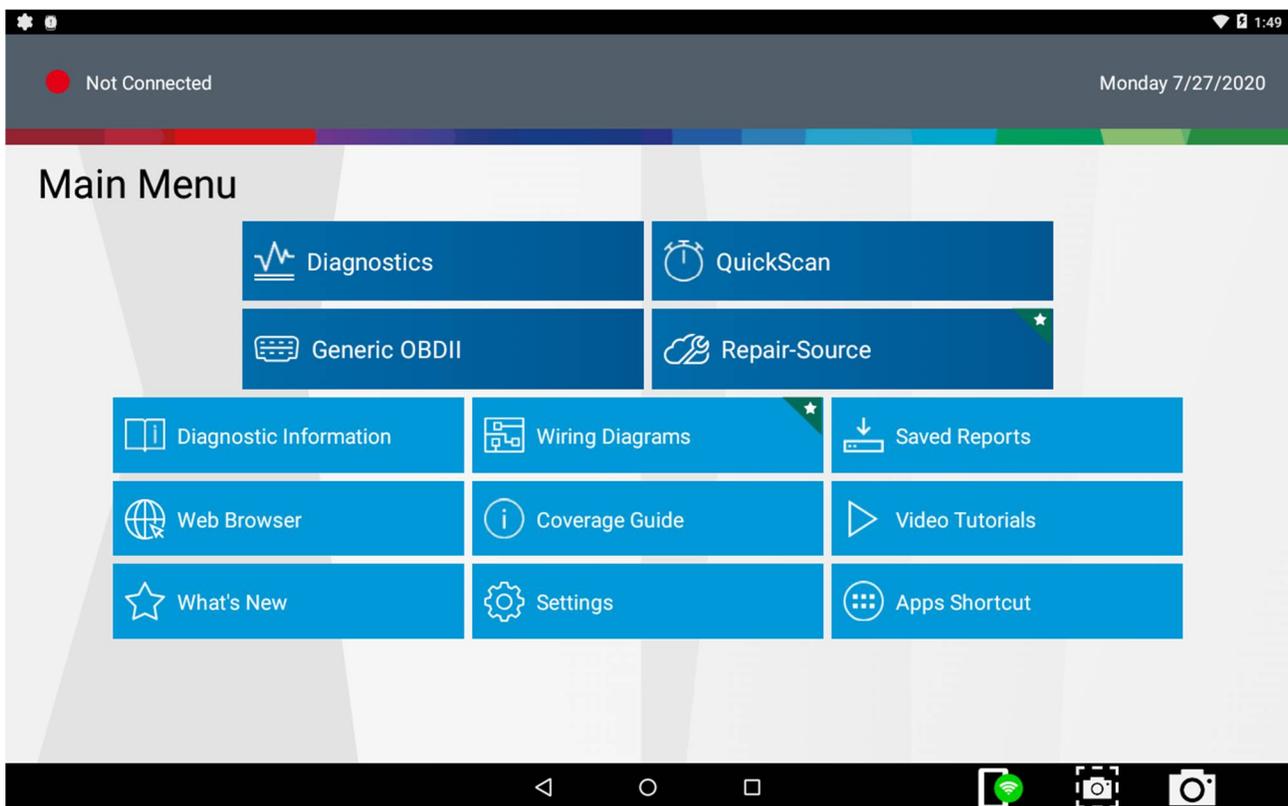
- **Chrysler/Jeep Coverage** - New coverage for all 2020MY vehicles and systems
 - Added coverage for 740 new vehicle & ECU combinations with 268 new systems
 - Pre/Post Scan DTC support, Live Data, and Special Tests – more to come in future releases
- **Mazda** - New coverage for 2020MY Mazda3
 - Includes 40 new vehicle & ECU combinations with 35 new systems
 - Pre/Post Scan DTC support, Live Data, and Special Tests – more to come in future releases
- **Honda/Acura** - New coverage for all 2020MY vehicles and systems
 - Includes 656 new vehicle & ECU combinations with 142 new systems
 - Pre/Post Scan DTC support, Live Data, and Special Tests – more to come in future releases
- **Mitsubishi** - New coverage for all 2020MY vehicles and systems
 - Includes 140 new vehicle & ECU combinations with 88 new systems
 - Pre/Post Scan DTC support, Live Data, and Special Tests – more to come in future releases
- **Hyundai** - New coverage for all 2020MY vehicles and systems
 - Includes 374 new vehicle & ECU combinations with 216 new systems
 - Pre/Post Scan DTC support, Live Data, and Special Tests – more to come in future releases
- **Kia** - New coverage for all 2020MY vehicles and systems
 - Includes 449 new vehicle & ECU combinations with 289 new systems
 - Pre/Post Scan DTC support, Live Data, and Special Tests – more to come in future releases
- **Fiat** - New coverage for all 2020MY vehicles and systems
 - Includes 51 new vehicle & ECU combinations with 47 new systems
 - Pre/Post Scan DTC support, Live Data, and Special Tests – more to come in future releases
- **Alfa Romeo** - New coverage for all 2020MY vehicles and systems
 - Includes 73 new vehicle & ECU combinations with 44 new systems
 - Pre/Post Scan DTC support, Live Data, and Special Tests – more to come in future releases

New Software Features

Version 4.4 software has a refreshed new look for the Main Menu and Diagnostics menu.

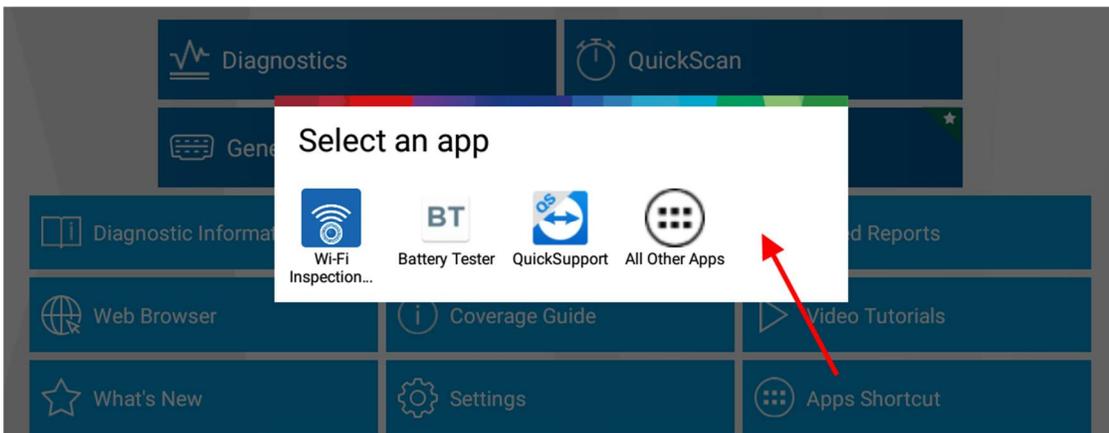
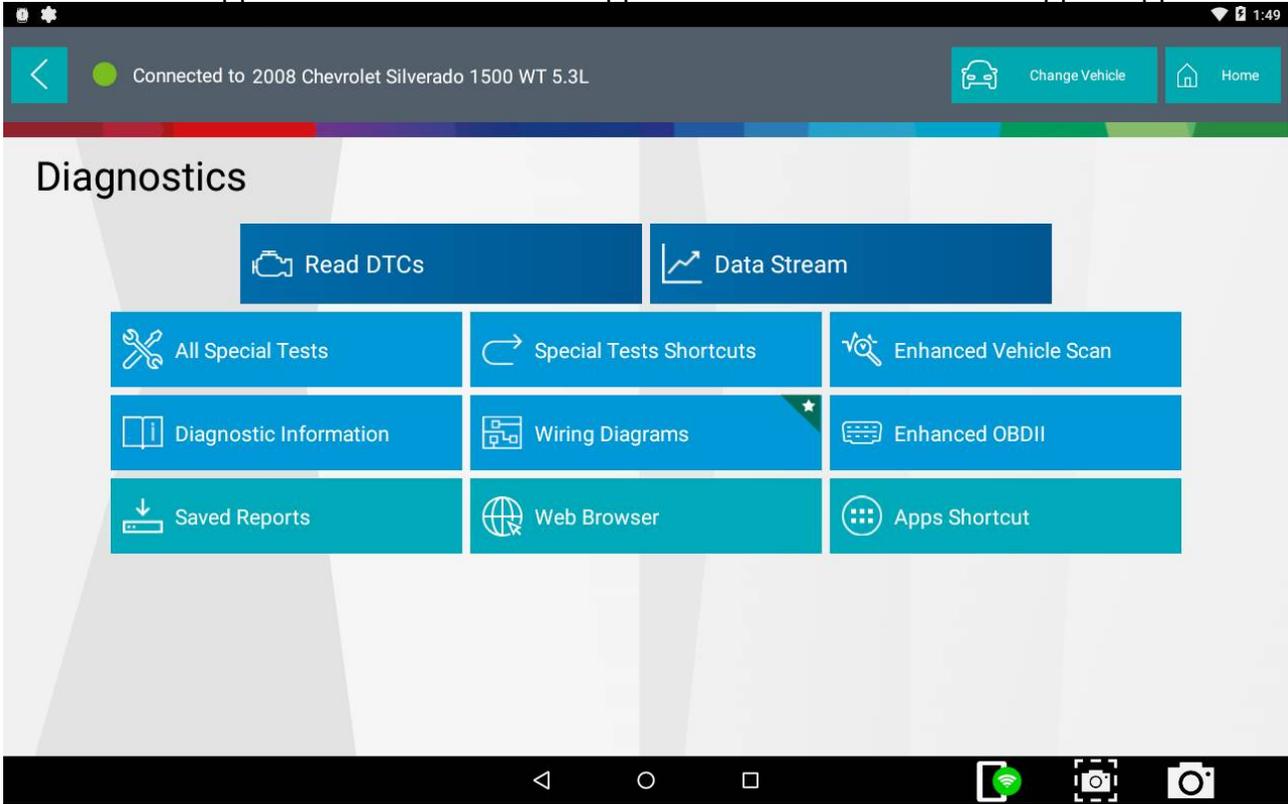
- **Main Menu**

- **Diagnostic Information** and **Wiring Diagrams** are now available on Main Menu.
 - No need to be physically plugged into a vehicle to access wiring diagrams or repair information from the Main Menu.
- Easy access to the online **Coverage Guide**
 - View the full coverage database to find out what models and tests are covered
- Run **QuickScan** to perform a full system scan in as little as 3 clicks
 - Automatically performs AutoID or prompts for manual selection

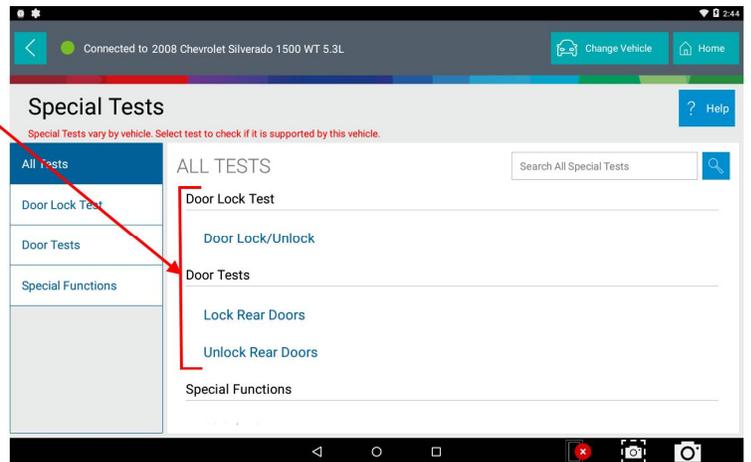
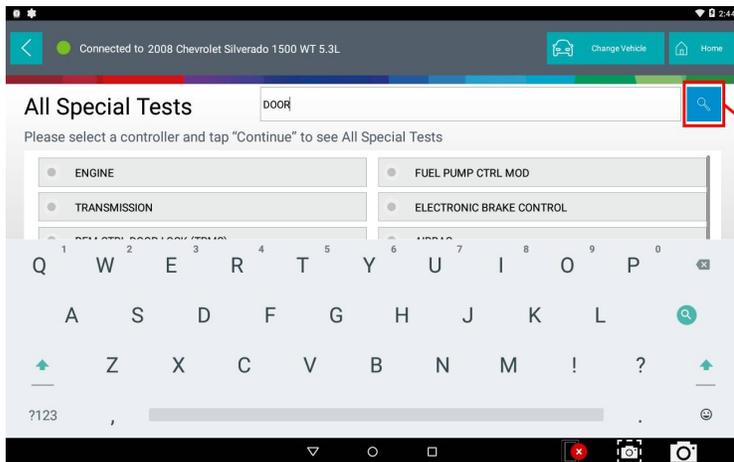
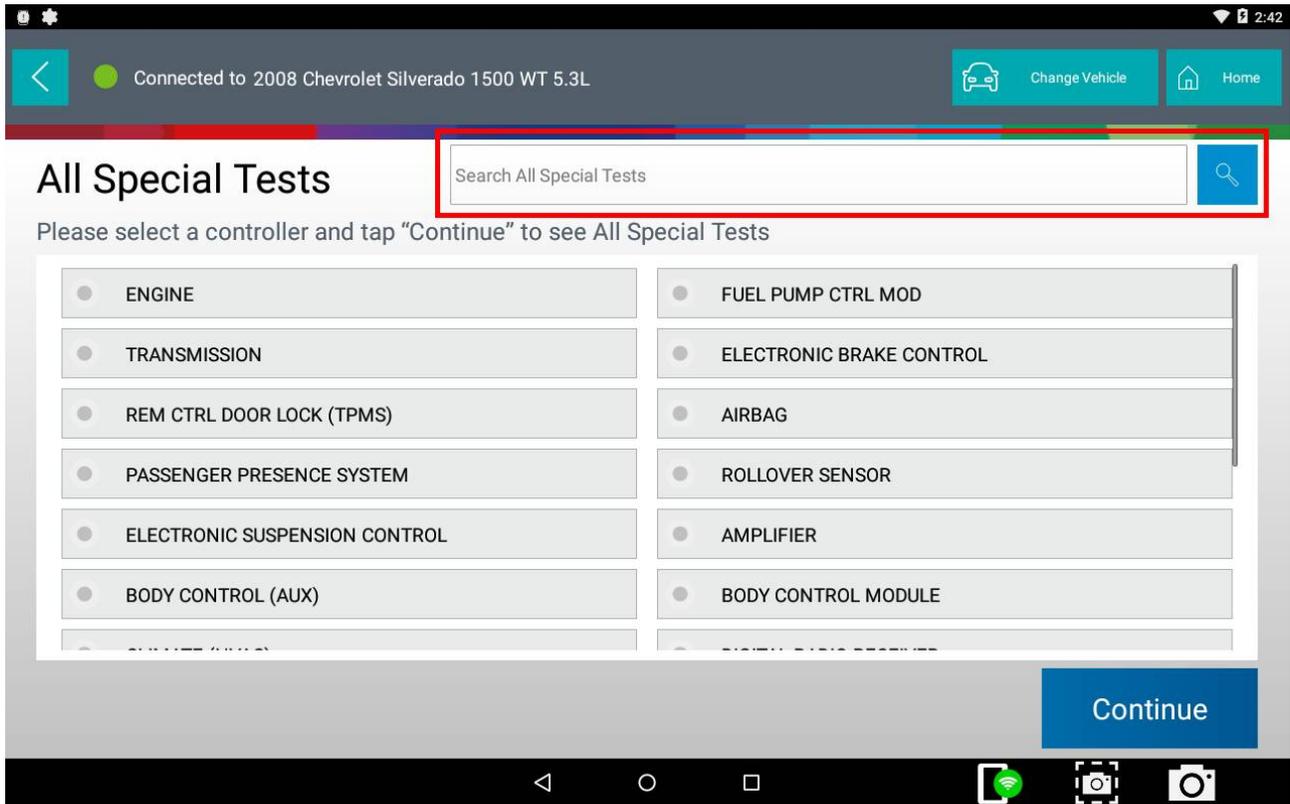


- **Diagnostics Menu**

- Maintenance Tests button is now called “Special Tests Shortcuts”
- Automated System Test has been renamed to “Enhanced Vehicle Scan”
- **Apps Shortcut** - Provides quick access to the commonly used applications such as QuickSupport. Click on “All Other Apps” to view the entire list of support applications



- **Search All Special Tests:** Have you ever wondered which controller to find the Special Test you are looking for under? Use the new **Search All Special Tests** feature to locate your Special Tests by typing in a few keywords and tapping the “search” button:



New Coverage Details – USA Domestic

New Chrysler/Jeep Coverage

- New coverage for all 2020MY vehicles and systems
- Added coverage for 268 new systems
- Added coverage for 740 new vehicle-ecu combinations

3 new Adjustment type special tests including:

- **ABS** - Brake Pedal Calibration

568 new Actuation type special tests including:

- **Engine/PCM** – DTI LTR CLNT PMP, Electric Thermostat Heater Solenoid, Electric Wastegate Valve, Multiair VVA Solenoid tests, Radiator/Condenser Cooling Fan Relay tests, Surge Solenoid Control State, VVA Solenoids Pre-Energization
- **Transmission/Electronic Shifter** - Knob Lock State
- **Hybrid** - OBCM HW Wakeup Output, OBCM Pilot Switched 12V Reference, OBCM S2 Internal Switch
- **ABS** – Inlet and Outlet Valve tests, Pump Motor Tests, Lamp/Indicator tests, Pilot Valve tests, Priming Valve tests, Recirculation Pump Activation
- **Suspension** - Height Sensor Check
- **Instrument Cluster** - Indicator/Lamp tests, Auto High Beam Activation, Electronic Stability Control Off
- **Body Control** - Lamp and Buzzer/Warning tests, Door Lock tests, Flash Programming Voltage Control, Window tests, Wiper/Washer tests, Headlight tests, Turn Signal tests, Diesel Fuel Heater Relay, Fuel Level Output, Oil Pressure Output, Vehicle Speed Output
- **Others** - tests for ENTERTAINMENT TELEMATIC GATEWAY, INTEGRATED CENTER STACK, DRIVERS DOOR MODULE, PASSENGER DOOR MODULE, TELEMATICS GATE WAY

New Ford Coverage

5 new Adjustment type special tests including:

- **Engine/PCM** - DPF Vaporizer System Priming, Minimum Fuel Mass Adaptation, Particulate Filter Static Regeneration, SCR Emptying, SCR System Refill Activation

New Coverage Details – USA Asian

New Honda Acura Coverage

- New coverage for all 2020MY vehicles and systems
- Added coverage for 142 new systems
- Added coverage for 656 new vehicle-ecu combinations

New Hyundai Coverage

- New coverage for all 2020MY vehicles and systems
 - Added coverage for 216 new systems
 - Added coverage for 374 new vehicle-ecu combinations
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3 new Adjustment type special tests including:

- **Engine/PCM** - Write VIN
- **Safety/Airbag** - Zero Re-calibration of Occupant Classification Sensor
- **Others** – WIRELESS POWER CHARGER WCT Reprogram

151 new Actuation type special tests including:

- **Engine/PCM** - A/C Compressor Relay, EVAP tests, Fan tests, CVVT tests, ETC Motor, Fuel Pressure Regulator, Fuel Pump tests, Ignition Coil tests, Injector tests, O2 Heater tests, Oil Control Valve tests, Variable Intake Manifold tests, Waste Gate Valve (Turbo Only)
- **Transfer Case/AWD** – 4WD Lamp Control, AWD/LOCK Mode Select, Torque Coupling Control
- **Climate/HVAC** –Compressor tests, Mix Door tests, Passenger Air Mix Door tests
- **Body Control** - Lamp and Buzzer/Warning tests, Window tests, Door Lock tests, Wiper/Washer tests
- **ADAS/Driver Assist** - BLIND-SPOT COLLISION WARNING LED tests, REAR CORNER RADAR LED tests

New Kia Coverage

- New coverage for all 2020MY vehicles and systems
- Added coverage for 289 new systems
- Added coverage for 449 new vehicle-ecu combinations

151 new Actuation type special tests including:

- **Engine/PCM** - A/C Compressor Relay, EVAP tests, Fan tests, CVVT tests, ETC Motor, Fuel Pressure Regulator, Fuel Pump tests, Ignition Coil tests, Injector tests, O2 Heater tests, Oil Control Valve tests, Variable Intake Manifold tests, Waste Gate Valve (Turbo Only)
- **Climate/HVAC** –Compressor tests, Mix Door tests, Passenger Air Mix Door tests
- **Body Control** - Lamp and Buzzer/Warning tests, Window tests, Door Lock tests, Wiper/Washer tests
- **ADAS/Driver Assist** - BLIND-SPOT COLLISION WARNING LED tests

New Mazda Coverage

- New coverage for all 2020MY Mazda3
- Added coverage for 35 new systems
- Added coverage for 40 new vehicle-ecu combinations

2 new Actuation type special tests including:

- **Engine/PCM** - Intake Manifold Tuning Valve, TEN Terminal (DLC)

New Mitsubishi Coverage

- New coverage for all 2020MY vehicles and systems
- Added coverage for 88 new systems
- Added coverage for 140 new vehicle-ecu combinations

New Nissan/Infiniti Coverage**7 new Adjustment type special tests including:**

- **Engine/PCM** - CML Battery Discharge Current Integration Clear, SC Magnetic Clutch Engage Count Clear, Starter Operation Count Clear, Write Starter Operation Count
- **Transmission** - Conform CVTF Deterioration
- **Body Control** - Anti Theft Alarm Trigger Setting, Retractable Mirror Setting

3 new Actuation type special tests including:

- **Engine/PCM** - Engine Mounting, Fuel Injection
- **Body Control** - IGNITION RELAY

New Subaru Coverage

2 new Adjustment type special tests including:

- **Others** - POWER WINDOW Record Clear, System Initialization

5 new Actuation type special tests including:

- **Others** – tests for POWER WINDOW

New Toyota/Lexus Coverage

- Added coverage for 88 new systems
- Added coverage for 119 new vehicle-ecu combinations

10 new Adjustment type special tests including:

- **Hybrid** - Integrated Current Value Initialization, Starter Exchange
- **Transmission** - A/T Code Reset, AT Code Registration
- **ABS** - Reset Memory
- **ADAS/Driver Assist** - Control Mode, Recog ECU H Temp Hist Reset
- **Body Control** - Auto Rear Wiper in Reverse Setting, Lighting (EXT) Headlight Assembly Adjustment

18 new Actuation type special tests including:

- **Engine/PCM** - Control The EGR Step Position, Fuel Pump Single Phase Energization, Fuel Pump Single Phase Energization
- **Transmission** - Activate The Solenoid (SLC)
- **ABS** - Motor Relay
- **Instrument Cluster** - KDSS Indicator
- **Climate (HVAC)** - Air Purifier(Ion), Ion Generator
- **Body Control** - Daytime Running Light, Rear Washer Relay, Wiper Power Relay
- **Others** – tests for TRAILER BRAKE CONTROLLER

New Coverage Details – USA European

New Alpha Romeo Coverage

- New coverage for all 2020MY vehicles and systems
- Added coverage for 44 new systems
- Added coverage for 73 new vehicle-ecu combinations

86 new Actuation type special tests including:

- **Instrument Cluster** – Lamp and Indicator tests
- **Body Control** - Lamp and Buzzer/Warning tests, Door Lock tests, Window tests, Wiper/Washer tests, Headlight tests, Turn Signal tests, Automated Driver Door Open, Driver heated seat relay command

New Audi Coverage

- Added coverage for 171 new vehicle-ecu combinations

5 new Adjustment type special tests including:

- **Engine/PCM** - Adaptation Engine Temperature Management Actuator, Erase Start/Stop Statistic Memory, Resetting Of All Adaptation Values, Resetting Of Injector Adaptation Values

New BMW/Mini Coverage

- Expanded coverage for many systems 2006-2017MY
- Added coverage for 68 new systems
- Added coverage for 620 new vehicle-ecu combinations

6 new Adjustment type special tests including:

- **ABS/Brakes** - Front Brake Pad Wear Indicator Reset, Rear Brake Pad Wear Indicator Reset

New Fiat Coverage

- New coverage for all 2020MY vehicles and systems
- Added coverage for 47 new systems
- Added coverage for 51 new vehicle-ecu combinations

1 new Adjustment type special tests including:

- **Tire Pressure Monitor/WCM** - TPMS Calibration

136 new Actuation type special tests including:

- **Engine/PCM** - DTI LTR CLNT PMP, Electric Thermostat Heater Solenoid, Electric Wastegate Valve, Multiair VVA Solenoid tests, Radiator/Condenser Cooling Fan Relay tests, Surge Solenoid Control State, VVA Solenoids Pre-Energization
- **ABS** – Lamp and Indicator tests, Inlet and Outlet Valve tests, Pilot Valve Activation tests, Priming Valve Activation tests, Recirculation Pump
- **Instrument Cluster** – Lamp and Indicator tests
- **Body Control** - Lamp and Buzzer/Warning tests, Door Lock tests, Window tests, Wiper/Washer tests, Headlight tests, Turn Signal tests, Automated Driver Door Open, Driver heated seat relay command
- **Others** - tests for ENTERTAINMENT TELEMATIC GATEWAY, TELEMATICS GATEWAY

New Mercedes-Benz Coverage

21 new Adjustment type special tests including:

- **Engine/PCM** - Enabling Of Engine Start After Crash Event, Mixture Adaptation, Reinitialize the Active Service System (ASSYST), Reset Fuel Adaptation Parameters, Reset Of Function 'Ring
-

memory', Reset Of Mixture Adaptation Values, Teach In Of Throttle Valve Stop, Teach-in Process After Replacing The Combustion Engine

- **TPMS** - Write Tire Pressure Sensor Id's
- **Instrument Cluster** – Confirmation Of General Maintenance, Reinitialize the Active Service System (ASSYST), Reset General Maintenance
- **Suspension** - Level Calibration, Reset Of Compressor Operating Time,
- **Others** – HEADLAMP Headlamp Range Adjustment; DOOR MODULE Normalization Of Power Window

109 new Actuation type special tests including:

- **Engine/PCM** - Activated Charcoal Canister Shut-off Valve, Activation Of Fuel Pump, Boost Pressure Positioner, Bypass Air Switchover Valve tests, Engine Oil Pump Valve, Fuel Injector tests, Fuel Pump tests, Inlet/Outlet Camshaft Solenoid tests, Purge Control Valve, Throttle Valve Actuator
- **Transfer Case** - AWD Solenoid Valve
- **Instrument Cluster** - Lamp tests, Buzzer tests, Segment Test
- **ADAS/Driver Assist** - Camera Cover Control Module, Camera Cover Control Module : Self-Test
- **Suspension** - Fill Suspension Strut tests
- **Body Control** - Lamp and Buzzer/Warning tests, Window tests, Wiper tests, ROOF MODULE tests, SAM MODULE tests
- **Others** – tests for SOUND SYSTEM, DOOR MODULE, AUDIO or COMAND

New Volkswagen Coverage

- Added coverage for 111 new vehicle-ecu combinations

5 new Adjustment type special tests including:

- **Engine/PCM** - Adaptation Engine Temperature Management Actuator, Erase Start/Stop Statistic Memory, Resetting Of All Adaptation Values, Resetting Of Injector Adaptation Values

New Volvo Coverage

3 new Adjustment type special tests including:

- **Others** – ADAPTIVE DAMPING SYSTEM Activate Air Suspension, Level Control Activation/Deactivation; REAR LID DOOR CONTROL UNIT Learning Of Rear Lid Maximum Open Position

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