

# Bosch ADS Software Update – March 2021

## Ver 4.9

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

Version 4.9 update includes updates to model year 2021 vehicles as well as function additions to previous model year vehicles.

111 new special tests, 768 new systems, and over 7900 vehicle to ECU combinations are included in this 4.9 update including software enhancements and bug fixes.

Software and coverage feature details provided throughout these release notes.



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

### 2021 Coverage added:

- Honda ADAS
- Mitsubishi
- Mazda
- Audi
- BMW/Mini
- Volkswagen
- Volvo

### 2020 Coverage added:

- Mercedes ADAS

**ADAS** – 6 new Dynamic type calibration tests for forward camera calibration

## Software Improvements / Bug Fixes

- Added "System" field to DTC reports
- Existing a Workflow will no longer display 'Diagnostic Feature Communication Reset'
- Improved performance of loading Special Tests on newer Toyota controllers
- Corrected DTC Statuses on Mercedes Quick Scan
- Improved Honda H99 protocol Airbag reading in Quick Scan
- Resized 525X Report Options so use no longer needs to scroll
- Added missing DTC descriptions to some controllers for Demo Mode vehicle

## New Coverage Details – USA Domestic

### New Chrysler/Jeep Coverage

#### 17 new Adjustment type special tests including:

- **Engine/PCM** - Quicklearn RFE, Aisin QuickLearn, Quick Learn, Reset Memory, RDU Replacement
- **ABS** - Service Procedures
- **Safety/Airbag** - Initialize ORC
- **Climate (HVAC)** - Actuator Calibration
- **ADAS** – Dynamic Camera Calibration for 2021 Voyager

#### 16 new Actuation type special tests including:

- **Engine/PCM** – Check PCM Odometer, Idle RPM Test, Intake Manifold Short Runner Valve (SRV) Solenoid Control State, O2 Heater Tests
- **Instrument Cluster** - Check Engine - MIL Lamp, Stop - Start System Active Indicator, Stop / Start System Active Lamp, Tire Pressure Monitoring, Tow/Haul Indicator

### New Ford Coverage

#### 6 new Adjustment type special tests including:

- **Engine/PCM** - Clear Transmission Adaptive KAM Tables, Do Not Use The Transmission Adaptive KAM Tables, Initialize Adaptive KAM Tables, Reset KAM, Stop Trans-Adaptive Learning And Measure Slip Time
- **Brakes/ABS** - Central Car Configuration (CCC) Learn - ABS

#### 28 new Actuation type special tests including:

- **Engine/PCM** – Electric Air Pump, Fuel Pump
- **Transmission** - Converter Pressure Control, Desired Line Pressure Control, Firm Shift, Gear Command By Output State Control, Output State Control Of Torque Converter, Pressure Control Solenoid A, Shift Solenoid Pressure Control B, Shift Solenoid Pressure Control C, Shift Solenoid Pressure Control D, Shift Solenoid Pressure Control E
- **Brakes/ABS** - All Isolation Valve Output Request
- **Suspension** - Air Compressor
- **Seat** – DRIVER FRONT SEAT MODULE tests

### New GM Coverage

- Added coverage for 32 new systems for 2021MY
- Added coverage for 32 new vehicle-ecu combinations

#### 5 new Adjustment type special tests including:

- **Transmission** - Transmission Service Fast Learn
- **ADAS** – Vehicle Direction Camera Learn for 2021 Bolt EV
- **Others** - REM CTRL DOOR LOCK tests

#### 3 new Actuation type special tests including:

- **Engine/PCM** – Depressurize Fuel System, Engine Oil Type Setup, Misfire Graph
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## New Coverage Details – USA Asian

### New Honda/Acura Coverage

- Expanded coverage for 2021MY ADAS type systems, with calibrations
- Added coverage for 8 new vehicle-ecu combinations

### New Mazda Coverage

- New coverage for 2021MY vehicles and systems
- Added coverage for 115 new systems
- Added coverage for 121 new vehicle-ecu combinations

#### 1 new Adjustment type special tests including:

- **ADAS/Driver Assist** – Forward Sensing Camera Calibration – Dynamic for 2021MY

### New Mitsubishi Coverage

- New coverage for some 2021MY vehicles and systems
- Added coverage for 31 new systems
- Added coverage for 34 new vehicle-ecu combinations

### New Toyota/Lexus Coverage

- Added coverage for 80 new systems
- Added coverage for 156 new vehicle-ecu combinations

#### 9 new Adjustment type special tests including:

- **Engine/PCM** - Switch Grille Shutter Control Mode, Switch Oil Maintenance Display
- **ABS/Brakes** - Air Bleeding, ECB Utility, EPB Initialize, Forced Actuator Refresh
- **Climate (HVAC)** - A/C Operation Limit History Count Clear, Refrigerant Pressure History Clear, Servomotor Initialization

#### 19 new Actuation type special tests including:

- **Engine/PCM** - Check Mode, Control the Electric Thermostat Duty Ratio
  - **Climate (HVAC)** - Damper Control Servo Motor tests, Front Right Seat Heater, Refrigerant Gas Volume Check
  - **Body Control** - Automatic High Beam Switch Light, Collision Door Lock Release, Dimmer Signal, Front Footwell Lights, Illuminated Entry System, Light Control Glass Relay, Mirror Fold Signal, Mirror Return Signal, Outside Mirror Footwell Lights, Rear Fog Light, Washer Nozzle Heater
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## New Coverage Details – USA European

### New Alfa Romeo Coverage

#### 1 new Adjustment type special tests including:

- **Others** - DRIVE TRAIN CONTROL MODULE - RDU Replacement

### New Audi Coverage

- New coverage for 2021MY vehicles and systems
- Added coverage for 175 new systems
- Added coverage for 4,706 new vehicle-ecu combinations

### New BMW/Mini Coverage

- New coverage for 2021MY vehicles and systems
- Added coverage for 166 new systems
- Added coverage for 1,796 new vehicle-ecu combinations

#### 3 new Adjustment type special tests including:

- **Engine/PCM** - Fuel Consumption Display Adjustment
- **ADAS/Driver Assist** – KAFAS Camera Calibration and Rain Sensor Init for 2021MY vehicles

#### 2 new Actuation type special tests including:

- **Engine/PCM** - System Test, Fuel Tank Leak Diagnosis
- **Others** - Park Distance Control

### New Fiat Coverage

#### 3 new Adjustment type special tests including:

- **Transmission/Electronic Shifter** - Quick Learn
- **ABS/Brakes** - Service Procedures
- **Others** - DRIVE TRAIN CONTROL MODULE - RDU Replacement

#### 1 new Actuation type special tests including:

- **Engine/PCM** - Check PCM Odometer

### New Mercedes Coverage

- Expanded coverage for 2020MY ADAS type systems, with calibrations
- Added coverage for 21 new systems
- Added coverage for 83 new vehicle-ecu combinations

### New Volkswagen Coverage

- New coverage for 2021MY vehicles and systems
  - Added coverage for 104 new systems
  - Added coverage for 587 new vehicle-ecu combinations
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## New Volvo Coverage

- New coverage for 2021MY vehicles and systems
- Added coverage for 44 new systems
- Added coverage for 381 new vehicle-ecu combinations

### 1 new Adjustment type special tests including:

- **ADAS/Driver Assist** – Camera and Radar Calibration test for 2021MY vehicles
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**Bosch Automotive Service Solutions Inc.**

28635 Mound Road

Warren, MI 48092

USA

[tech@boschdiagnostics.com](mailto:tech@boschdiagnostics.com)

855-267-2483