



**BOSCH**

# Bosch ADS Software Update – October 2021

## Ver 4.16

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

Version 4.16 update includes more model year **2022** vehicle coverage and additional **ADAS** calibrations.

107 new special tests + 7,683 new system applications included in this update.

Software and coverage feature details provided in these release notes.



ADS X



ADS

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

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

- **Acura** – MDX
- **Audi** – Q5 PHEV, Q5 Sportback, Q8
- **BMW** – 330i xDrive, 750i xDrive, X3, X5
- **Buick** – Envision
- **Cadillac** – CT5
- **Chevrolet** – Silverado 2500 HD
- **Honda** Civic, Pilot
- **Kia** – Stinger
- **Nissan** – Armada, Frontier, Pathfinder
- **Subaru** – Ascent, Crosstrek, WRX STi
- **Toyota** – 4Runner, Camry, Corolla, GR Supra, Prius, Prius AWD-e, Prius Prime
- **Volkswagen** – Atlas, Atlas Cross Sport, Tiguan

### Multiple Models and Years Coverage added - Bi-Directional functions

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

- **2022 Coverage:**
  - GM: all feature Coverage added for many vehicles
  - Honda: all feature Coverage added for Pilot
  - Toyota: all feature Coverage added for many vehicles and also 2016-2018MY Mirai
  - Alpha Romeo: all feature Coverage added for Giulia and Stelvio
  - Audi: all feature Coverage added for Q5 and Q8
  - BMW: all feature Coverage added for 330i, 750i, X3 and X5
  - Volkswagen: all feature Coverage added for Atlas and Tiguan
- **2021 Coverage:**
  - Mercedes: Front Camera Coverage added for E-Class

*\*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/Jeep/Ram Coverage

**3 new Adjustment type special tests:**

Gyro Offset, Override Occupant Information, Rear Seat Audio

**2 new Actuation type special tests:**

Cassette Function Tests, CD Function Tests

### New GM Coverage

- Added coverage for 471 new system applications

**2 new Adjustment type special tests:**

WLAN Service Set Identifier (SSID) Reset, Sensor Learnmode Enable

**1 new Actuation type special test:**

A/C Compressor Clutch

## New Coverage Details – USA Asian

### New Honda/Acura Coverage

- Added coverage for 397 new system applications

**4 new Actuation type special tests:**

FCAN Authorized Flag, LIN Washer, Brake light relay test, Lumbar Horizontal Motor

### New Hyundai Coverage

**2 new Actuation type special tests:**

HAC Brake Lamp Actuator, Inlet Valve-Right Front

### New Kia Coverage

- Added coverage for 64 new system applications

**3 new Actuation type special tests:**

PAD Change Mode (After Change), PAD Change Mode (Before Change), Inlet Valve-Right Front

### New Mazda Coverage

**1 new Adjustment type special test:**

TPMS Reset

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## New Mitsubishi Coverage

### 78 new Actuation type special tests:

A-C Switch, Air Conditioning Switch, Condenser Fan, Electronic Water Heater PTC, Mode Selection Damper, Out-Inside Air Selection Damper, Rear Fan Step (Input Value), Rear PTC Heater, Solenoid Valve, BAT.Heating System Power Relay, Battery Cooling Fan PWM, BSW ON-OFF Setting, Leveling Actuator, Theft Alarm, 12V Batt. Charge Start, Circuit Fault Detection, Engine Switch(LED ON), TSR Display Request, Off hook switch, On hook switch, VR switch, ALL INDICATORS DRIVE, BUZZER DRIVE, INDICATOR LAMP DRIVE, SYSTEM ON LAMP DRIVE, AHB Indicator, ASC/TCL OFF Indicator, ASC/TCL OP. Indicator, ASC-TCL OFF Indicator, ASC-TCL OP. Indicator, ASG Indicator, ASG OFF Indicator, Cruise Control Indicator, Driver Seatbelt Indicator, ECO Indicator, Energy Usage Indicator(Engine), Energy Usage Indicator(EV), Energy Usage Indicator, Engine Malfunction IND., FCM Indicator, FCM OFF Indicator, Front Fog Light Indicator, Headlight Auto leveling, Indicator2, PA. Seatbelt Indicator, Positionlight Indicator, PTC Heater Indicator, Rear Fog Light Indicator, SRS Indicator, EVAP.Emission Purge SOL.Valve, EVAP.Emission Ventilation SOL., Radiator Fan(High), Radiator Fan(Low), Variable Intake Solenoid, Engine switch(Control), Engine Switch(LED ON), Engine SW-Power SW (Control), Engine SW-Power SW (LED ON),12V DCDC Shutdown, Back Light Relay Actuate, Brake Warning Light Actuate, Buzzer Actuate, ChargeDischarge Connector Relay, Oil Pump Actuate, Radiator Fan 1 Actuate, Radiator Fan 2 Actuate, Radiator Fan Relay 1 Actuate, Radiator Fan Relay 2 Actuate, Stop Light Actuate, Water Pump Actuate, Water Pump Power Supply Relay, Hazard Answer Back Request, 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, SRS Warning Light Lighting Request

## New Nissan Coverage

- Added coverage for 947 new system applications

### 4 new Actuation type special tests:

BUZZER DRIVE, INDICATOR LAMP DRIVE, SYSTEM ON LAMP DRIVE, ALL INDICATORS DRIVE

## New Subaru Coverage

- Added coverage for 339 new system applications

### 1 new Adjustment type special test:

Foot/Def Automatic Fan Speed Increase Function

### 3 new Actuation type special tests:

All seat UNLOCK output, lock actual. LOCK output, ACC

## New Toyota/Lexus Coverage

- Added coverage for 1648 new system applications

### 3 new Adjustment type special tests:

Clearance Sonar Detection/Steering Adjustment, Intuitive P/A Detection/Steering Adjustment, ID Registration/Tire Position Write

## New Coverage Details – USA European

### New Audi Coverage

- Added coverage for 1593 new system applications

### New BMW/Mini Coverage

- Added coverage for 190 new system applications

### New Mercedes Coverage

- Added coverage for 564 new system applications

### New Volkswagen Coverage

- Added coverage for 1470 new system applications
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