

# Bosch ADS Software Update – March 2019

Ver 3.6

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

Version 3.6 unleashes the full power of Repair-Source by making it available right from the Main Menu, without being connected to a vehicle. Launch the full database of repair information with just one click.

3.6 also contains new vehicle and special test additions and software enhancements. New model year combined with older model year coverage ensures the best comprehensive diagnostic coverage you need.

Over 2,000 new tests, systems and vehicle-ECU combinations are included in this 3.6 update including improvements and suggestions from professional technicians.

Software and coverage feature details provided throughout these release notes.



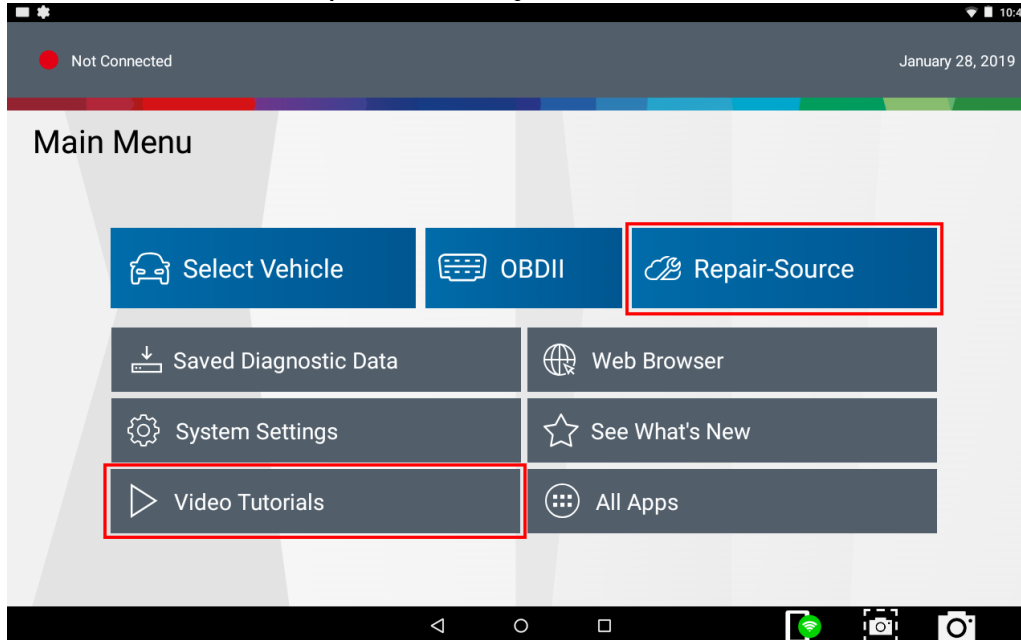
## Added Coverage - Summary

- Expanded coverage for many systems ranging from 2002-2017MY for the following brands:
- BMW, GM, Ford, Hyundai, Kia, Nissan/Infinity, Audi, Jaguar, Land Rover, VW
- Updated Diagnostic Information for the following:
  - DTC Circuit Description for 2016-2017MY Chrysler/Jeep and Ford
  - DTC Possible Causes for 2017MY Chrysler/Jeep, Ford and GM
  - Code Info (setting conditions) for 2017MY Chrysler/Jeep, Ford and GM

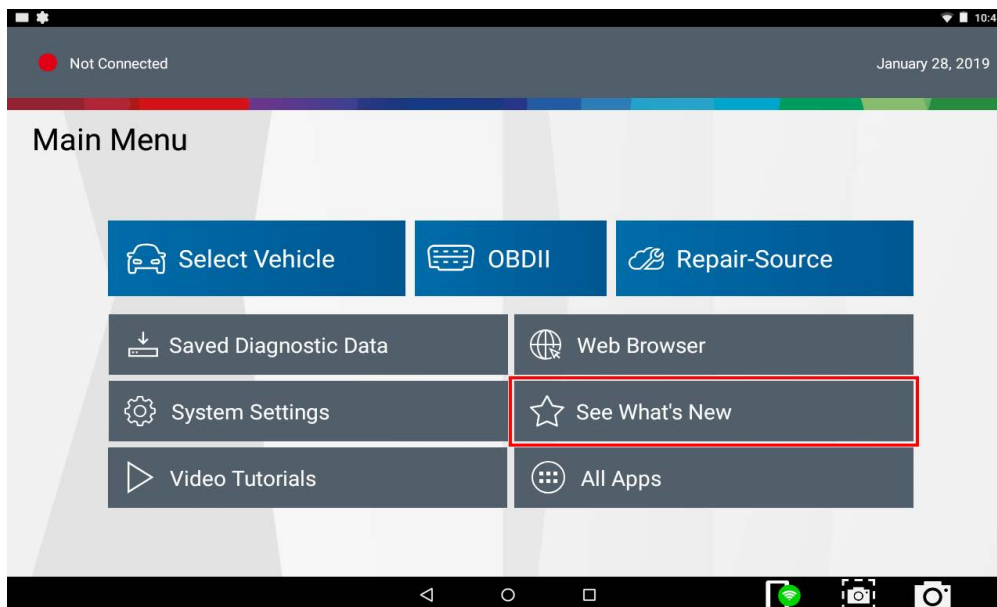
## Software Enhancements

**Repair-Source** and **Video Tutorials** even more accessible.

- Both no longer require a vehicle selection to access. The features have been added to the Main Menu for quick and easy access to these online assets.



**See What's New** tile on Main Menu launches directly to release notes and latest info online.



## New Coverage Highlights [\(Full list starts on page 4\)](#)

### GM

**This update contains a large number of function tests added for 2017 vehicles, along with many important functions for older models:**

- Capture & Restore Data/Restore ECM Data was added for 2007-2009 Diesel vans and Medium Duty trucks
- Many Infotainment set-up type tests were added for a full range of vehicles from MY2000-2010:
  - Preferred System Setting - for OnStar and cellular systems
  - Program Phone Number - for OnStar, cellular, and radio systems
  - Program VIN - used for radio, instrument cluster, and BCM replacements
  - VCIM Setup - used when replacing the Vehicle Communication Interface Module
  - Country Code - used for a new radio setup
  - Radio Setup - used for a new radio setup

### Hyundai and Kia

**The update for Hyundai and Kia vehicles include some functions that are critical for ECU replacement, or other major work completed on MY2006-2018 vehicles:**

- Auto Detected Configuration Reset – used to reset factory default configuration on Engine, ABS, ESP, and ESC ECUs
- Reset Adaptive Values – clears any learned adaptive values for Engine ECU
- Write VIN – required for Engine ECU replacement

### Nissan/Infiniti

**The update for Nissan and Infiniti vehicles include some critical functions for MY2017-2018 vehicles:**

- Save/Write Data for CPU Replace – used for ECM replacement to save stored information on the old controller and write it to the replacement
- Misfire Count (Past) – this function is used to help diagnose misfires that are not current

### BMW/Mini

**The update for BMW and Mini vehicles includes the mapping of 117 new and existing ECU coverage to over 1500 new applications – this will help insure you have complete ECU coverage on all models. Some key functions that were also added:**

- Auto Detected Configuration Reset – used to reset factory default configuration on Engine, ABS, ESP, and ESC ECUs
  - Reset Adaptive Values – clears any learned adaptive values for Engine ECU
  - Write VIN – required for Engine ECU replacement
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## New Coverage Details – USA Domestic

### New Chrysler/Jeep Coverage

#### Special test fixes/improvements:

- 2008 Ram 1500 5.7L ENGINE - fixed Injector Cutout test not working properly

#### Updated Diagnostic Information for the following:

- DTC Circuit Description for 2016-2017MY
- DTC Possible Causes for 2017MY
- Code Info (setting conditions) for 2017MY

### New Ford Coverage

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

- **Engine/PCM** - Particulate Filter Dynamic Regeneration, Particulate Filter Static Regeneration
- **Brakes/ABS** - Calibrate Longitudinal Acceleration Sensor, Longitudinal Acceleration Sensor Initialization Start

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

- **Engine/PCM** –Charge Air Cooler Cooling Fan Speed, Commanded Exhaust Gas Recirculation A Duty Cycle Or Position, Engine Running Fuel Pressure Test, Exhaust Gas Recirculation Throttle Position Commanded, Report All Inhale/Exhale ECU Config DIDs, Total Fuel Mass To Be Delivered
- **Climate (HVAC)** - Aux. Pump, Bypass Door Open and Close

#### Special test fixes/improvements:

- 2015 Fusion PARKING BRAKE - fixed Electronic Integrated Park Brake test not available
- 2015 F-150 PARKING BRAKE - fixed Electronic Integrated Park Brake test not available
- 2013 F-350 6.7L PCM – fixed EGR Valve Open test not working properly
- 2011 F-450 PCM - fixed Reset KAM test not working properly
- 2003 Focus PCM - fixed High Speed Fan test not working properly
- 2002 Thunderbird EATC - fixed EATC tests not available

#### Other fixes/improvements:

- 1996 E-150 ABS - fixed "not able to read DTCs"

#### Updated Diagnostic Information for the following:

- DTC Circuit Description for 2016-2017MY
  - DTC Possible Causes for 2017MY
  - Code Info (setting conditions) for 2017MY
  - 2003 F-350 6.0L ENGINE - fixed EGR tests not working properly
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## New GM / Saturn Coverage

- Added coverage for 231 new systems
- Added coverage for 488 new vehicle-ecu combinations

### 37 new Adjustment type special tests including:

- **Engine/PCM** - Capture & Restore Data/Restore ECM Data, Crankshaft Pos. Variation Learn, Idle Speed Adjustment
- **AWD/Transfer Case** - Clutch Reset
- **Brakes/ABS** - Automated Bleed, Automated Test
- **Climate/HVAC** - HVAC Recalibration
- **Instrument Cluster** – Language, Memory Seat Module, Navigation Display Head, Road Sensing Suspension, Tilt Telescope Module, Tire Pressure Monitor
- **Steering** - Steering Position Sensor Calibration
- **Body Control** - Preferred System Setting, Program Phone Number, Program VIN, VCIM Setup, Country Code
- **Others** - RADIO Radio Setup

### 192 new Actuation type special tests including:

- **Engine/PCM** – Camshaft Position Actuator, Fuel Injector 1, Fuel Pressure
- **Transmission** - TCC Control Solenoid
- **ABS/Parking Brake** - Function Test, Requested Torque Test, System Identification, Traction Off Lamp Test
- **Transfer Case** - Front Axle Actuator, Range Actuator, Transfer Case Motor Control
- **Instrument Cluster** - Lamp tests, Gauge tests, Segment tests, Button tests, Dimming Control, On Demand Test
- **Climate/HVAC** - Temp. Door Position
- **Body Control** - Windshield Wiper Motor Relay, Lamp and Buzzer/Warning tests, Door Lock tests
- **Seat** – Lumbar tests, Horizontal Movement tests, Vertical Movement tests, Driver Heated Seat, Passenger Heated Seat
- **Doors** - Front Window Motor, Passenger Door Lock/Unlock
- **Others** – Tests for RADIO, ONSTAR

### Special test fixes/improvements:

- 2011 Cruze ENGINE- fixed Engine Coolant Thermostat Heater test not available
- 2011 Silverado 2500 TRANSMISSION - fixed Trans Reset test not working properly
- 2010 Silverado 4.8L PCM - fixed Crank Position Variance test not available
- 2007 G6 FOLDING TOP - fixed no tests available
- 2007 Silverado 3500 PCM - fixed EVAP Purge test not working properly
- 2006 Trailblazer ABS - fixed Yaw Rate Sensor test not working properly
- 2003 2500/3500 Trucks ABS - fixed ABS Motor test not working properly
- 2002 Corvette PCM - fixed Crank Relearn test not available

### Updated Diagnostic Information for the following:

- DTC Possible Causes for 2017MY
  - Code Info (setting conditions) for 2017MY
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## New Coverage Details – USA Asian

### New Honda Acura Coverage

#### Other fixes/improvements:

- 2016 HR-V EPB - fixed EPB module not available

### New Hyundai Coverage

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

- **Engine/PCM** - Auto Detected Configuration Reset, Reset Adaptive Values, Write VIN
- **ABS/Brakes** - G Sensor Calibration

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

- **Engine/PCM** - A/C Compressor Relay, CVVT Exhaust, Ignition Coil Enable/Disable tests, Multiplicative Injection Time Correction tests
- **Instrument Cluster** – Auto Light, Power Window Relay
- **Body Control** - Auto Light, Front Heated Glass Relay, Front Washer Motor Output, Heated Washer Nozzle Output, Power Window Relay

### New Kia Coverage

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

- **Engine/PCM** - Auto Detected Configuration Reset, Reset Adaptive Values, Write VIN
- **ABS/Brakes** - G Sensor Calibration

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

- **Engine/PCM** - A/C Compressor Relay, CVVT Exhaust, Ignition Coil Enable/Disable tests, Multiplicative Injection Time Correction tests
- **Instrument Cluster** – Auto Light, Power Window Relay
- **Body Control** - 3LH SBR Left Indicator, 3RH SBR Center Indicator, Auto Light, Front Heated Glass Relay, Front Washer Motor Output, Heated Washer Nozzle Output, Power Window Relay, Rear Washer Motor

### New Nissan/Infiniti Coverage

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

- **Engine/PCM** - Closed Throttle Position Learn, Misfire Count (Past), Save/Write Data for CPU Replace, Self-Learning Cont

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

- **Engine/PCM** - Active Grille Shutter, Alternator Duty Command Value, Autostart/Autostop, Cylinder Cutout Test, Engine Coolant Bypass Valve, Engine Coolant Temperature, Exhaust Valve Timing Assign Angle, Fan Duty Control, Fuel Pump Control Module, Fuel Supply Pump Override Test, Ignition Timing, Intake Valve Timing Assign Angle, Purg Vol Cont/V, Super Charger Clutch Relay, Tumble Control Valve, VIAS Solenoid

## New Coverage Details – USA European

### New Audi Coverage

- Added coverage for 8 new vehicle-ecu combinations

### New BMW / Mini Coverage

- Expanded coverage for many systems 2014-2017MY
- Added coverage for 149 new systems
- Added coverage for 188 new vehicle-ecu combinations

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

- **Engine/PCM** - Injector Quantity Adjustment, Reset EGR Adaptation Values, Throttle Adaptation,
- **Transmission** - Analog Paddle Reset
- **ABS/Brakes** – Bleed, Commissioning Electric Parking Brake, Deactivate Parking Brake For Pad Replacement
- **Suspension** - Air Spring Struts Installation/Removal, Fill/Empty Pressure Accumulator, Rear Axle Air Spring Struts Test, Store Vehicle Reference Level

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

- **Other** - Display Test for MULTIMEDIA INTERFACE

### New Jaguar Coverage

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

- **ABS/Brakes** - ABS Control Valves -Control Supply 2 -Front Right/Rear Left
- **Instrument Cluster** - City Mode, Sounder Output
- **Climate/HVAC** - Climate Control Outputs -Rear Left Seat Heater, Climate Control Outputs -Rear Right Seat Heater, Right Seat Heater

### New Land Rover Coverage

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

- **ABS/Brakes** - ABS Control Valves -Control Supply 2 -Front Right/Rear Left
- **Instrument Cluster** - City Mode, Sounder Output
- **Climate/HVAC** - Climate Control Outputs -Rear Left Seat Heater, Climate Control Outputs -Rear Right Seat Heater, Right Seat Heater

### New Volkswagen Coverage

- Added coverage for 24 new vehicle-ecu combinations

#### Other fixes/improvements:

- 2000 Beetle ABS - fixed issue reading Data Items
  - 2011 CC ENGINE - fixed communication issues
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