



# Bosch ESI[truck] Heavy Duty Truck Software Update Version 2021/1

[www.boschdiagnostics.com](http://www.boschdiagnostics.com)

## Welcome

In version 2021/1, Bosch continues to expand the ESI[truck] diagnostic coverage and capabilities. A brief summary of all the content additions are on the following pages. All of the additional features and functions are honestly too complex to summarize in this newsletter, but we are confident you will be happy with the value the ESI[truck] Diagnostic system adds to your professional shop.

See the graphs beginning on the next page that highlight the ever-growing capabilities that you – our valued customers - support when you make the decision to renew your annual software license.

If you are interested in even more of the details behind all the great improvements, please visit [www.boschdiagnostics.com](http://www.boschdiagnostics.com), and navigate to the 3824A (ESI Truck) page.

## Recent Product Upgrades

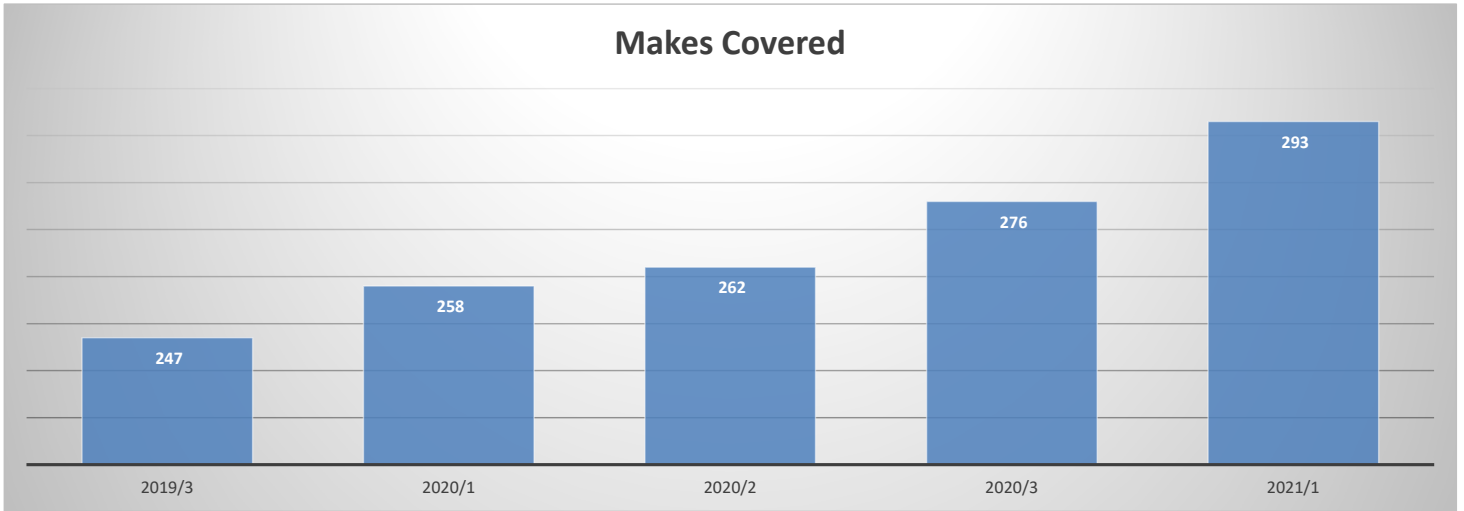
As a reminder, you have the ability to upgrade your existing DCU 100 tablet (Windows 7) to the new, high-powered Windows 10 HDS 1000 tablet that comes with the 3824A ESI Truck.

The tablet upgrade and a compatible docking station are now available. See your preferred Bosch distributor for details.

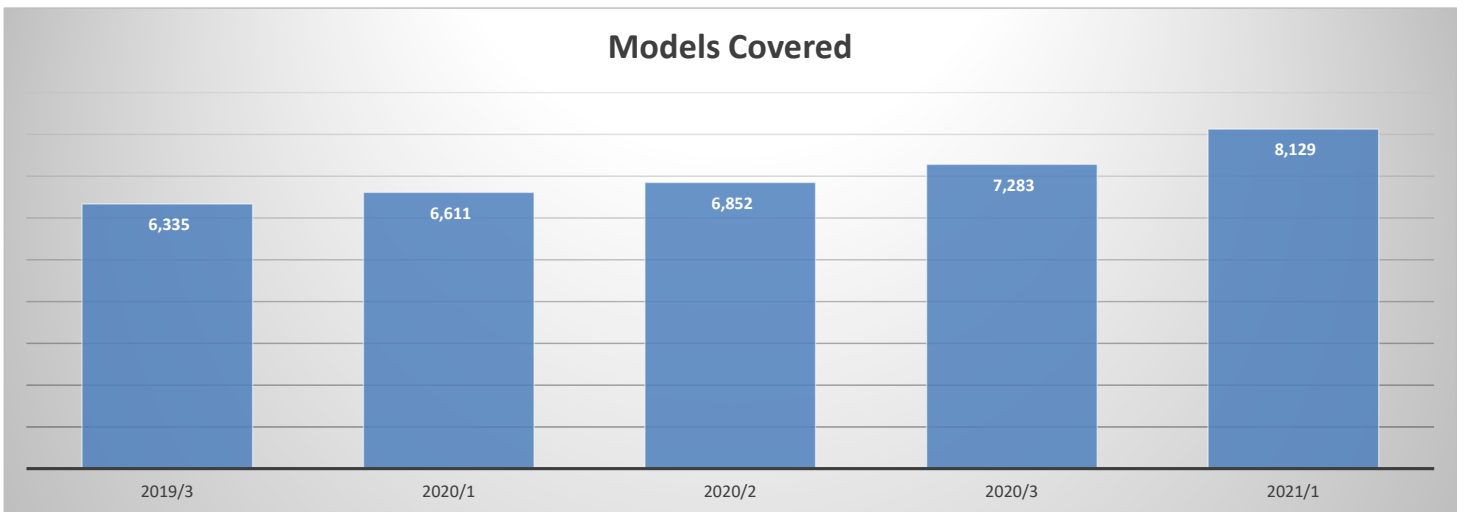


# Expanding Coverage

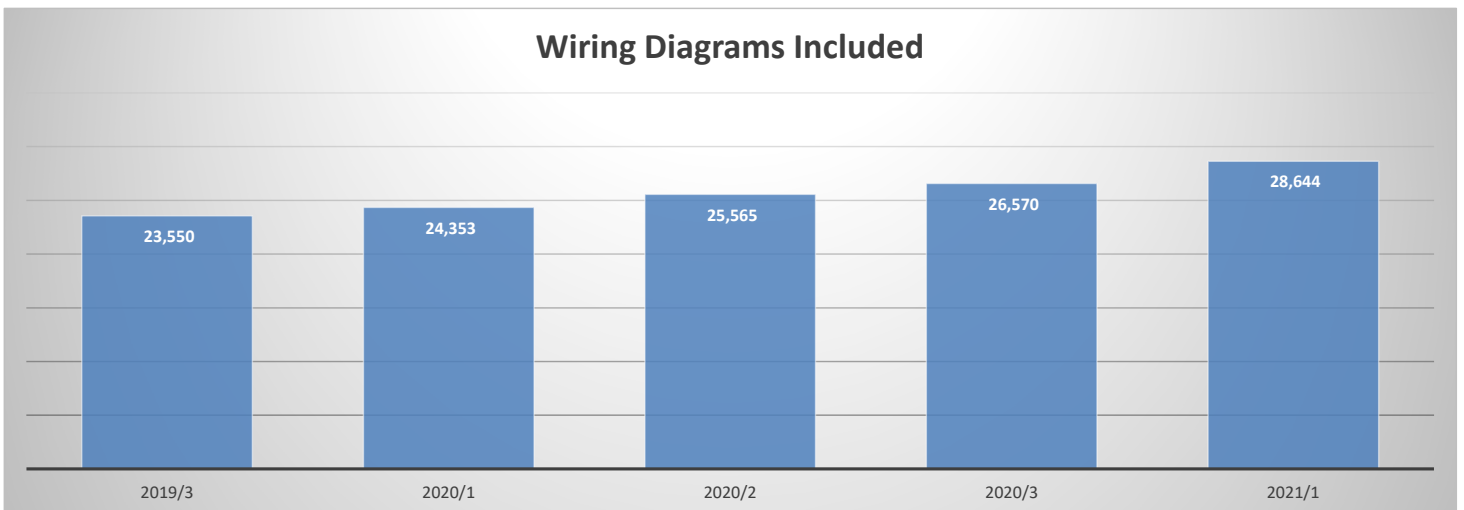
### Makes Covered



### Models Covered

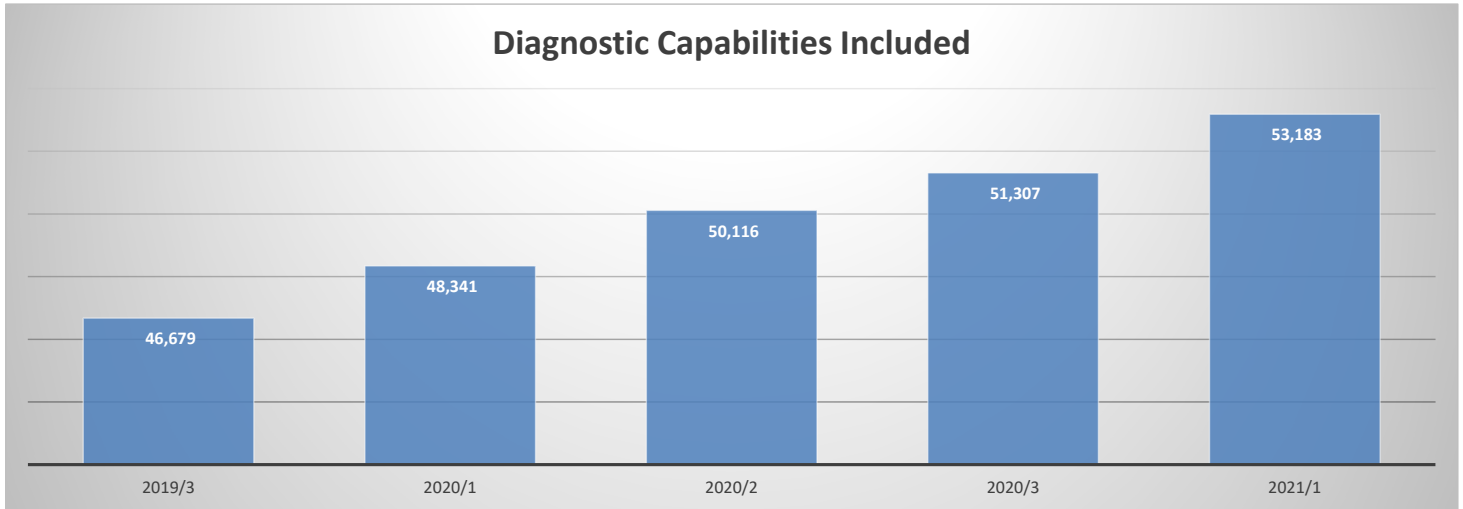


### Wiring Diagrams Included

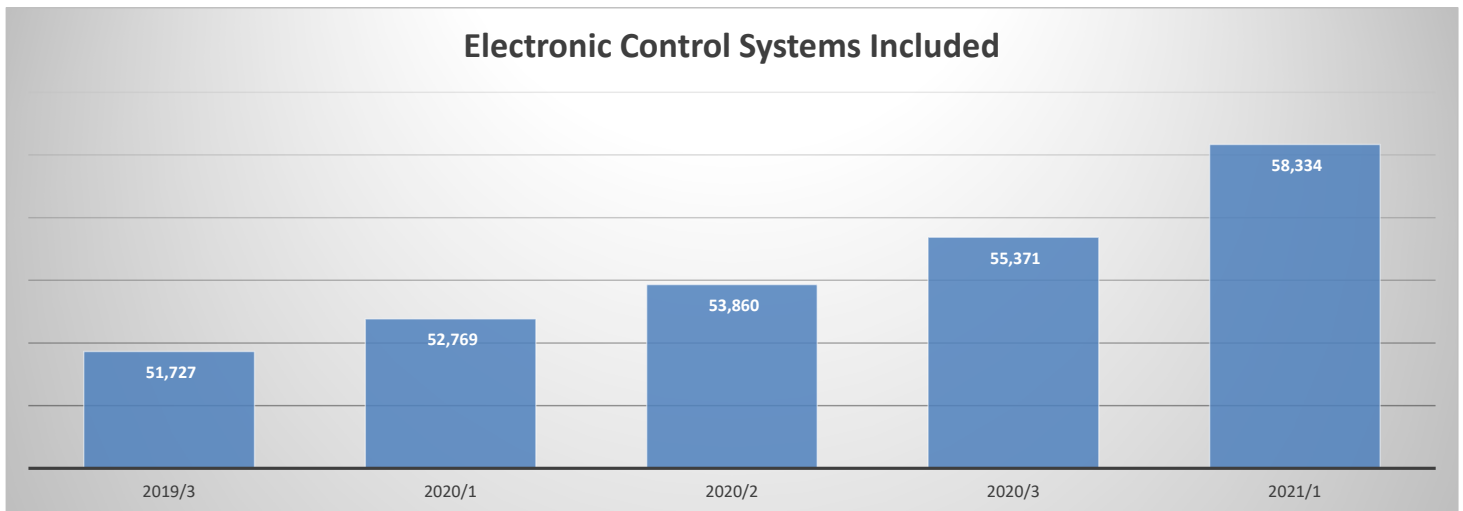


## Expanding Coverage (continued)

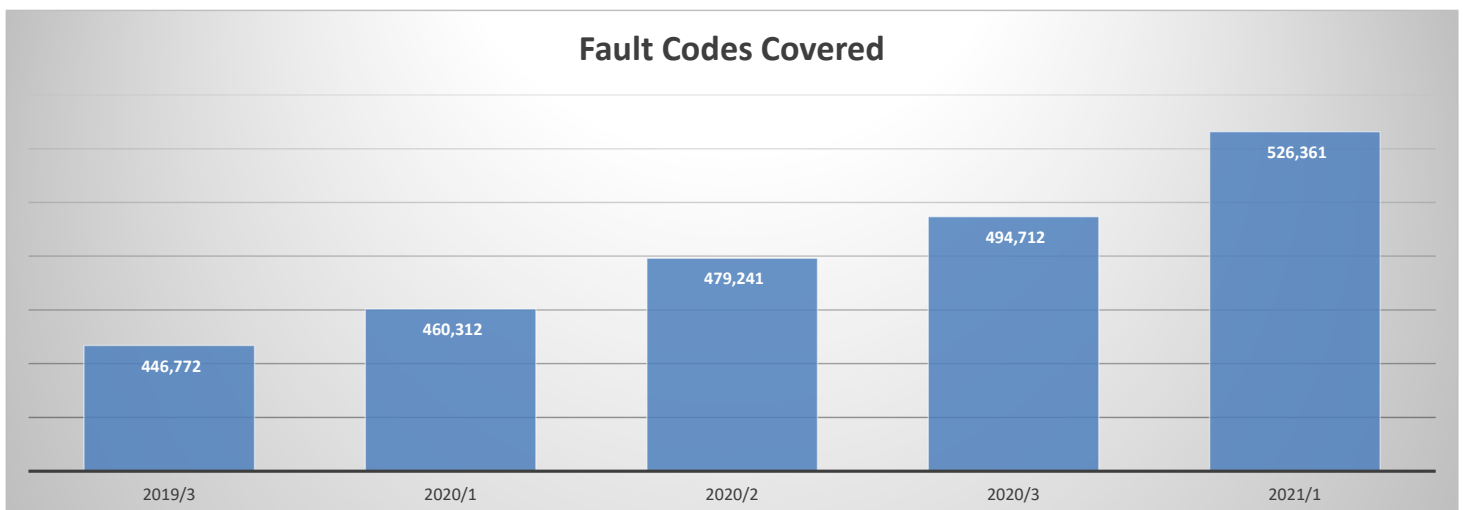
Diagnostic Capabilities Included



Electronic Control Systems Included



Fault Codes Covered



# Additional Vehicle Coverage & Highlights

## Heavy –Duty Truck

*New content has been added for the following Heavy Duty Systems:*

- ▶ Bendix – TPMS Systems
- ▶ Caterpillar – Added System Display for all engines while running bi-directional tests
- ▶ Cummins –
  - QSB 4.5/6.7 CM2350 – SCR Maintenance functions, ISX CM
  - ISX CM870 – Trip Data and Abuse Data
  - B4.5/6.7 CM235 – Reset Cruise Control Parameters
  - ISB 4.5/6.7 CM2350 – Fan Type Parameters
  - Multiplex Parameters for over 20 Systems
  - ISM CM876 – New System Display
  - QSB 4.5/6.7 CM2350 – New System Display
  - New Wiring Diagrams for multiple systems
  - Enhanced Adblue/DEF Operating Diagrams
- ▶ Detroit Diesel – EPA07 / EPA 10 / GHG 14 / GHG17 Models
  - New 2020-21 Variants
  - Trip Data and Reset for New Cascadia models
  - Expanded Freeze Frame data
  - Over 10 New Procedures and Troubleshooting guides
  - System Display while performing bi-directional tests for New Cascadia models
- ▶ Mack –
  - New US17 / US19 Wiring Diagrams for Body Computer, Instrument Cluster, EMS Engine Control Module V3, Audio, and TECU mDrive
  - Fan Control parameters added for VECU V2
- ▶ Meritor Wabco – Manual Diagnosis for Smartrac HABS
- ▶ Navistar –
  - GHG17 Vehicles - New Diagrams
  - MaxxFace & N-Series Camshaft sensor calibration, System display, and new troubleshooting procedures
  - ESC and Body Controllers – New Bidirectional tests: light activations, switches, indicator lamps, etc.
  - Navistar A26 – Trip Data and new Troubleshooting Procedures
- ▶ Paccar –
  - EAS3 Denoxtronic 2.2 and EAS4 Ecofit UL2 – New Adblue / DEF Diagrams
  - PMCI-2 – New procedures
  - Adblue/DEF EAS-4 – Troubleshooting update
  - EAS3 – New system checks
  - EAS4 – Particulate Filter maintenance
- ▶ PSI –
  - PSI 6.0 Gasoline – New Bidirectional tests, maintenance routines, and trip data maintenance
- ▶ Volvo –
  - TECU mDrive HD – Clutch checking synchronization and starting gear parameter
  - VECU V2 – Fan control parameters

## Trailer Additional Coverage

*New content has been added for the following Trailer Systems::*

- ▶ Meritor Wabco –
  - Trailer ABS 2M RSS Plus – Added all parameters
  - Trailer ABS 1M with RSS Plus Basic – Added all parameters and System display
- ▶ Carrier –
  - Vector RS232 – manual Maintenance procedures

## Light and Medium –Duty Truck Additional Coverage

*New content has been added in the following Light and Medium Duty (Light Commercial) Vehicles:*

- ▶ Dodge –
  - RAM 2013-2017 Cummins 6.7 – Added Wiring diagrams
  - RAM 2013-2017 6.4 HEMI – Added TCM wiring diagrams
- ▶ Ford –
  - E-Series 2006-2015 – Added ABS wiring diagrams
- ▶ GMC / Chevrolet –
  - Updated all system variants to 2020 MYR
  - Sierra Silverado 2000-2006 – Wiring diagram added for ECM LU3
- ▶ International –
  - ECM L5D – Troubleshooting added
  - CV Series – New systems added
- ▶ Mercedes-Benz –
  - CR61 New functions – DPF Regen, DPF Reset, Component resets, others
  - Instrument Cluster reset
  - ESP Sensor Calibration
- ▶ Workhorse –
  - W42 Models – New wiring diagrams
  - All Models with ECM L18 – New troubleshooting

## Off-Highway Software

NOTE – these features are only available if you have purchased the Off-Highway add-on module for the *Bosch ESI Truck*. To learn more about this additional capability, visit [www.boschdiagnostics.com](http://www.boschdiagnostics.com) or see your tool distributor.

- ▶ Off-Highway was first available with software revision (2018/3)
- ▶ Online Repair (Troubleshooting) module is free of charge during the promotional period **until the end of 2021**.

## Agricultural Vehicles Additional Coverage

*New content has been added in the following Agricultural Vehicle Systems::*

- ▶ Amazone – New Make
- ▶ Antonio Carraro – New Make
- ▶ Case IH – TCM CVT / TCU 1, UCM 1, 2, & 3 Harvesting, New models
- ▶ Challenger – New Caterpillar computer system
- ▶ Claas – New elevator system features, new models
- ▶ Deutz Fahr – New hydraulic system, new models
- ▶ Farmtrac – New Make
- ▶ Fendt – New vehicle configuration system
- ▶ John Deere – New hydraulic distribution system functions, new models
- ▶ Kubota – Multiple new system and functionalities; armrest system, transmission, central computer, new models
- ▶ Kverneland – New Make
- ▶ Landini – New features in EHR elevator system, cabin suspension, and transmission
- ▶ Manitou – New Instrumentation system and central computer system functions
- ▶ Massey Ferguson – New features in elevator system
- ▶ Mazzoti – New Make
- ▶ McCormick – New functions in Instrumentation, Elevator, Transmission, and Armrest systems
- ▶ New Holland – New functions in Transmission system and new Harvesting system, new models
- ▶ Steyr – New functions in Transmission system, new model
- ▶ Storti – New Make
- ▶ Valtra – New functions in Elevator system
- ▶ Yanmar – New Make
- ▶ ***Much More, including new functions for FPT, Deutz, CAT, SISU/AGCO, Perkins, and Doosan Engine and Exhaust Aftertreatment systems, new wiring diagrams, and new system displays!***

## Construction Vehicles Additional Coverage

*New content has been added in the following Construction and Off-Highway Vehicle Systems:*

- ▶ Bobcat – New DCU System SCR functions
- ▶ Caterpillar – New MCM Telescopic handler system, new engine and exhaust aftertreatment functions, and more
- ▶ Ditch Witch – New make
- ▶ Hitachi – New wheel loader systems: MC, ICF, MON, CMON
- ▶ JCB – 153 New Models
- ▶ John Deere – New graders, dump trucks, articulated dump trucks, mini excavator, skid steer, and engine functions
- ▶ Leeboyr – New make
- ▶ Liugong – New make
- ▶ Manitou – New functions for telescopic handlers
- ▶ Mecalac – New make
- ▶ Skyjack – New make
- ▶ Volvo – New functions for VECU systems in graders, new V2ECU for wheel loaders, new engine technical data
- ▶ XCMG – New make

## Stationary Engines Additional Coverage

*New content has been added in the following Stationary Engine brands:*

- ▶ Cummins – QSF 3.8 CM2350, QSB 4.5 / 6.7 CM2350, QSL9 CM2350, QSX15 CM2350, and new Stage V engines
- ▶ Deutz – EMR5 – EDC MD1 Stage V
- ▶ Doosan – SL02/DL03, DCU
- ▶ Isuzu – 4JJ1 – TC, 4HK1-TC
- ▶ Iveco-FPT – EDC MD1
- ▶ Kubota – 854E / 854F
- ▶ Perkins – 854E / 854F, 1204F / 1206F / 1204E / 1206E
- ▶ Yanmar – EDC

***Thank you for being a loyal Bosch Customer.***

***Visit [www.boschdiagnostics.com](http://www.boschdiagnostics.com) and see your preferred Bosch Distributor for more information.***

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