



Bosch ESI[truck] Heavy Duty Truck Software Update

Version 2024/4

Nov 2024

www.boschdiagnostics.com

Welcome

In version 2024/4, 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 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.

If you are interested in even more of the details behind all the great improvements, please visit www.boschdiagnostics.com, and navigate to the 3824A (ESI Truck) page. Click on the 'View Vehicle Coverage' link to navigate the user friendly interface and check detailed coverage.

Added Coverage in 2024/4 (details start on page 2)

- 3 New Makes
 - 154 New Models
 - 1106 New Electronic Control Systems
 - 1887 New Diagnostics Capabilities
 - 1464 New Wiring Diagrams
 - 23639 New Fault Codes
-

Windows 7 O/S Support Has Ended

Effective as of 2024/1, **software updates are no longer supported for any computer (or tablet) that is running the Windows 7** (or older) Operating System.

If you are currently using a Windows 7 (or older) computer, you will no longer receive valuable software updates, even if you have an active software contract.

New Windows 10 tablets are available from Bosch. Please visit the following website for up-to-date information, along with answers to questions you may have:

<https://boschdiagnostics.com/dcu-100-promo>

Please contact your distributor or Bosch support team if you have any questions.

CABLES

2024/3

- 1 684 465 933 - Bendix trailer ABS CAN
- 1 684 465 935 - Deutz engines 19 pins

2024/2

- 1 684 465 919 - ZF Ergopower 6 pin
- 1 684 465 920 - Doosan DL03 engines in Bobcat

2024/1

- 1 684 465 916 – Sisu Tier 5 engines in AGCO
- 1 684 465 917 – Hatz

Additional Vehicle Coverage & Highlights

These are some of the relevant new features enhanced and released in this new version. Please contact us, use the DEMO mode, or read the VTC table to have a complete detail of the systems' coverage.

Heavy-Duty Truck

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

CUMMINS

- GHG 14/17 engine systems:
 - ISF/F3.8 CM2350 DPF reset routine.
- EPA10 engine systems:
 - QSB 4.5/6.7 CM2250, ISB 6.7 CM2250, ISC 8.3 CM2250, ISL9 CM2250, ISX CM871, ISX 11.9/15 CM2250 remaining parameters as low idle speed adjustment switch, water in fuel sensor, accelerator options, road speed governor droop, intake air heater, cruise control and engine brake interaction and fan control.
- CNG & EPA07 engine systems:
 - ISL G CM2180, B6.7N CM2180/CM2380, ISG10.5/11.8 CM2880, ISC CM2150D, ISF2.8/3.8/4.5 CM2220, ISM11 CM876, ISX CM871 remaining parameters such as Engine warmup protection, intake air heater, water in fuel sensor, tire wear adjustment, A/C pressure switch
- B4.5/6.7 CM2350, ISF/F3.8 CM2350, B6.7N CM2380 new diagram configurations.
- Procedures such as fuel and oil filter change, fuel pump checking or replacement of the DEF filter for all CUMMINS engines

EATON

- Ultrashift Gen 3 transmission management system, new variants for 2024-2025 vehicles, wiring diagram enhanced.

FREIGHTLINER

- CPC5 powertrain variants for 2024-2025 vehicles.
- MUX (A101, A102 and A103) and PSM diagram configurations.

INTERNATIONAL

- New Compass Module navigator, diagnosis, live data

NAVISTAR

- Procedures such valve lash adjustment, fuel and oil filter change, fuel pump checking for Maxxforce DT/9/10 & Maxxforce 11/13 engines.

VOLVO & MACK

- EMS, ACM, TECU new 2024-2025 variants

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 or see your tool distributor.

Agricultural Vehicles Additional Coverage

New brands

- CAFFINI
- TRIOLIET

New models

- CASE-iH
 - o Quantum V/N/F/CL Series, engine: Tier 5/Stage V
 - o Optum AFS Series, engine: Tier 5/Stage V
 - o Puma AFS Series - CVT, engine: Tier 5/Stage V
- CLAAS
 - o Jaguar Series (499)
- GOLDONI
 - o T80, engine: Interim Tier 4/Stage IIIB
- LANDINI
 - o 5HC Series, engine Tier 5/Stage V
 - o 6RS Series, engine: Tier 5/Stage V
- MASSEY FERGUSON
 - o 6700 S Series, engine: Tier 5/Stage V
 - o 7700 S Series, engine: Tier 5/Stage V
- NEW HOLLAND
 - o TK4 V/M/N/F Series, engine: Tier 5/Stage V
 - o T7 PLM Series - Power Command, engine: Tier 5/Stage V
- STEYR
 - o Absolut S-Fleet Series, engine: Tier 5/Stage V
 - o Terrus S-Fleet Series, engine: Tier 5/Stage V
- VALTRA
 - o BC 4800
 - o BC 5800
 - o BC 7800
 - o BC 8800
 - o BS 2517H
 - o BS 3335H
 - o R530

In general, extended DTC Lookup in several models of different makes such as **ARBOS, BASAK, JOHN DEERE, KUBOTA** or **MASSEY FERGUSON**, among others.

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

ARBOS

- New DSB instrument cluster in several make models.
- DOOSAN DM02 engine control system, injector coding, high-pressure fuel circuit check, exhaust gas aftertreatment system check and oil change counter reset for 3065, Tier 5/Stage V engine and 3075 models, Tier 5/Stage V engine.

CASE IH

- New FHC hydraulic system in Maxxum Series - CVT models, engine: Tier 5/Stage V and Optum Series, engine: Final Tier 4/Stage IV, among others.
- New wiring diagram configurations in the TCM transmission of the Puma Series - 18/19x6 Full Power Shift (Armrest) model, Tier 5/Stage V engine and in the DEC transmission of Maxxum Series - DCT models, engine: Tier 5/Stage V and Vestrum Series - Semi Power Shift, engine: Tier 5/Stage V.

CLAAS

- CATERPILLAR C-4.4 / C-6.6, J1939 engine system, AdBlue/DEF dosing check in Lexion Series C5x, Avero Series 561 and Dominator Series models, among others.

DEUTZ-FAHR

- New SECU central computer in the 6W Series model.
- New DEUTZ FARMotion Tier 5 - MD1 CS089 engine control system in 5 Series, 5 G Series and 6 C Series models, among others.
- SECU central computer, configuration functions of the spool valve parameters for 6C Series, 6 TTV Series, 7 Series, 8 TTV Series and 9 Series models, among others.

GOLDONI

- New wiring diagram configurations in the VM EDC R754/R756 engine control system in Q90 models, engine: Interim Tier 4/Stage IIIB and S110 GT, engine: Interim Tier 4/Stage IIIB, among others.

FENDT

- New wiring diagram configurations in the SISU EEM2 - VP30/VP44 engine control system in the C Series model.

HOLMER

- New wiring diagram configurations in the ACM exhaust gas aftertreatment system in the Terra Variant 650 model.

JOHN DEERE

- New SCO hydraulic system and XMC steering control system in the 7R Series model.
- New ATC climate control in the 8020 Series model.
- SFA suspension, front suspension calibration in the 7030 Series model.
- New wiring diagram configurations in the TRAX transmission in the 5G Series model.
- JOHN DEERE Level 40 engine control system, verification check of the SCR system fault repair in 900 Series, CS700 Series and X9 Series models, among others.
- New LC1, LC2 and RCU harvest systems in W500/W600 Series models.
- New wiring diagram configurations in the PTP transmission in S500, S600 and S700 Series models.

LAMBORGHINI

- CLUSTER instrument cluster, checks of the instrument cluster needles, the warning lamp state and the LCD state in Spire Series, Sprint Series, EGO Series and RF Series models, among others.

LANDINI

- EMR5 EDC MD1 (on SAE J1939) engine control system, maintenance reset for the ash content correction in the Diesel Particulate Filter.

MASSEY FERGUSON

- New AUTOTRONIC 5 - Dyna 6 transmission in 6700 S Series models, engine: Tier 5/Stage V and 7700 S Series, engine: Tier 5/Stage V.
- SRC14-34 central computer, maintenance reset in 6700 S, 7700 S and 8700 S Series models.

MONCHIERO

- EDC YDECO engine control system from YANMAR, operation data, activations and system checks.

NEW HOLLAND

- New FEHR hydraulic system in T7 Series - 18/19x6 Power Command (Armrest) models.
- New CAT4 electronic module in the T4 V/N/F/LP Series model, engine: Tier 5/Stage V.
- FPT EDC MD1 CE101 engine control system, technical data in new engine types for several models such as T5 Series - Auto Command, engine: Tier 5/Stage V, T6 Series - 16/17x16, engine: Tier 5/Stage V and T8 Genesis Series - Full Power Shift, engine: Tier 5/Stage V, among others.

SAME

- New MVCU central computer for the Virtus Series model.
- SECU central computer, manual accelerator calibration in Virtus Series and Frutteto CVT Series models, among others.

Construction Vehicles Additional Coverage

The number of models in **CASE CE, DEVELON, DITCH WITCH, GROVE, JCB, JOHN DEERE, KOMATSU, MENZI, MUCK, MST** and **XCMG** makes has been expanded. **MANITOU** adds 15 new models. **STATIONARY ENGINES** are also including more new models in **CUMMINS** and **DOOSAN**.

New make in multi-purpose vehicle category, **VITRA**.

In general, extended coverage in diagnostics for engine control systems. It is important to note new functionalities in the **DEUTZ Stage V** engine control system in **HANSA** and **SCARAB** makes. Finally, it is important to note the development of the DL06/DL08 engine control system in **DOOSAN STAGE V** engines and the development of advanced diagnostics functions in the EDC YDECO engine control system from **YANMAR**, operation data, activations and system checks.

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

AMMANN

- EMR5 EDC MD1 (on SAE J1939) engine control system, advanced diagnostics functions in the maintenance menu.

CASE CE

- New wiring diagram configurations in 6UZ1 (on J1939) engine control systems in CX400C and CX500ME Series models.

CATERPILLAR

- C-7.1 (on SAE J1939) engine control system, advanced diagnostics functions in maintenance menus and system checks.
- C-4.4 / C-6.6 (on SAE J1939) engine control system, activations, system checks and maintenance reset.
- C-27 and C-32 (on CDL) engine control system, injector parameter configuration.
- ARD exhaust gas aftertreatment system, system checks.
- PTM powertrain control system in D Series models, clutch pressure check and calibrations.
- TCM (on CDL) transmission in 100 /20/10 Series models, clutch pressure check and calibrations.
- MCM central computer in 900 Series models, fault code clearing in CAN lines.
- New wiring diagram configurations in TCM (on CDL), EHCUI (on CDL) and SCR / DEF systems.

DEUTZ

- EMR5 EDC MD1 (on SAE J1939) engine control system, maintenance reset for the ash content correction in the Diesel Particulate Filter.

DIECI

- EDC MD1 CE101 engine control system, maintenance reset for the battery replacement.

DOOSAN

- New DL06/DL08 Stage V engine control system.
- DM01, DM02 and DM03 engine control systems, system checks, injector parameter configuration and oil change counter reset.

HAMM

- EMR5 EDC MD1 engine control system, advanced diagnostics functions for the maintenance service of the exhaust gas aftertreatment system.

JCB

- New IC (on SAE J1939) instrument cluster for wheel loaders.
- DieselMax 448, Stage V (on SAE J1939) engine control system, activations, system checks, parameter configuration and maintenance reset.
- New HCU, IC and PTM systems in the Hydradig Series model.
- CLUSTER instrument cluster for compact excavators, maintenance reset.
- In addition, new technical data in JCB engine types.

JOHN DEERE

- New IG2 system for the L Series dozer.
- New IGC, JSL, JSR, PDU and VC2 systems for L Series and P Series dozers.

KOMATSU

- New wiring diagram configurations in the PUMP, Monitor D hydraulic system and the MON, Monitor D instrument cluster.

NC ENGINEERING

- DM02 engine control system, system checks, injector parameter configuration and oil change counter reset.

PERKINS

- 1204E, 1206E and 9043 (on SAE J1939) engine control systems, fault code clearing in CAN lines.

REFORM

- EDC R754/R756 Stage IV /EU6 engine control system, System Display.

VOLVO

- New wiring diagram configurations in the EDC system in the A Series (XY D) model.

Thank you for being a loyal Bosch Customer.

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