



Bosch ESI[truck] Heavy Duty Truck Software Update Version 2025/2 April 2025

www.boschdiagnostics.com

Welcome

In version 2025/2, 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 2025/2

- 3 New Makes
 - 102 New Models
 - 758 New Electronic Control Systems
 - 1383 New Diagnostics Capabilities
 - 118 New Wiring Diagrams
 - 19923 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:

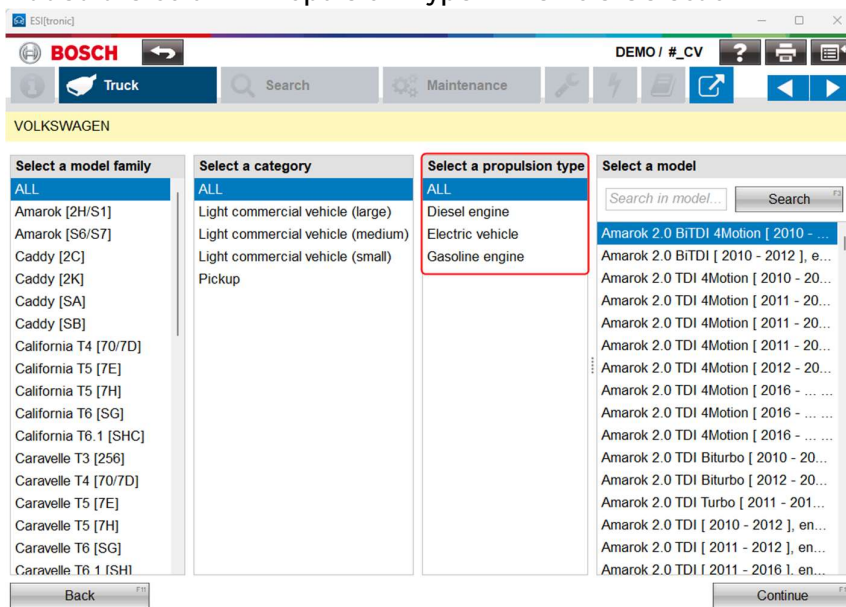
<https://boschdiagnostics.com/dcu-100-promo>

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

Software Innovations

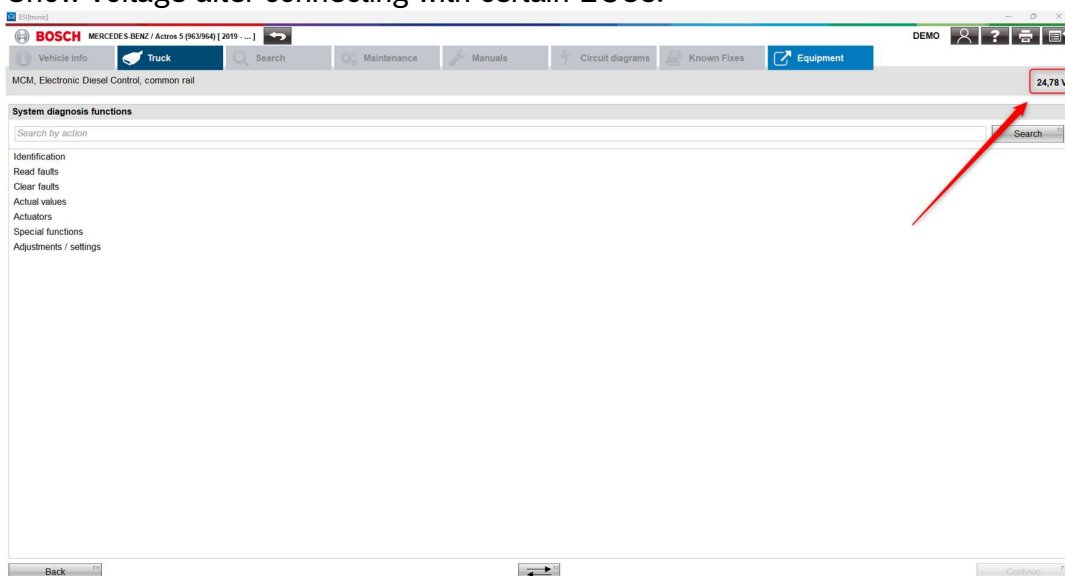
Propulsion Type

- Added the column Propulsion Type in Vehicle Selection.



Voltage

- Show voltage after connecting with certain ECUs.



CABLES

2025/2

- 1 684 465 937 - Linde

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:

BENDIX

- ABS U1X (Gen 4), fault codes reading process enhanced

CUMMINS

GHG 21 engine systems:

- B6.7 & L9 CM2450, new wiring diagrams configurations.

GHG17 engine systems:

- QSB 4.5/ QSB, QSL9, X12, X15 and L9 CM2350, new wiring diagrams configuration.

GHG14 engine systems:

- QSB, QSL9 and QSX CM2250, new wiring diagrams configuration.

EPA04/07 & OHW engine systems:

- ISM CM875, QSB CM550 & QSB CM850 new wiring diagram configuration.
- ISM CM875, QSB CM550 & QSB CM850, new parameter groups such as Fuel Consumption Monitor, Governor Type, Fan Type, Engine Coolant Level Sensor.

DETROIR-DIESEL MBE

- DDEC II Series 50/60/90, technical data updated.

EATON

- New HFX task controller system.

FREIGHTLINER

- New technical data related with wheel hub tightening torques in Cascadia, New Cascadia, SD Series and M2 Series.

INTERNATIONAL

- New technical data related with wheel hub tightening torques in CV Series, ProStar & tranStar series.

MOBIL ELEKTRONIK

- New EHLA MULTI electronically-controlled steering axle system.

STERLING

- New technical data related with wheel hub tightening torques in Acterra Series, A-Series and L Series.

WESTERN STAR

- New technical data related with wheel hub tightening torques in 4700, 4900, 5700, 6900 and X Series.

LIGHT/MEDIUM DUTY

DODGE

- TPMS tire pressure monitoring system, actual values and system checkings in RAM models.

GMC/CHEVROLET

- New L3B powertrain control module in Sierra/Silverado/Cheyenne 1500-3500 and

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 models

- ANTONIO CARRARO
 - TC 6800 F
- JOHN DEERE
 - 5ML Series
- MASSEY FERGUSON
 - 8700 Series Datatronic 5

In general, DTC Look-up extended in several models of different makes such as **CASE IH, DEUTZ FAHR, JOHN DEERE, MASSEY FERGUSON, NEW HOLLAND** or **SAME**, among others.

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

ARBOS

- New VCU central computer in 4070 E models engine: Interim Tier 4/Stage IIIB, 4100 E, engine: Interim Tier 4/Stage IIIB and 4110 Q, engine: Interim Tier 4/Stage IIIB, among others.

CASE IH

- New FEHR hydraulic system in Maxxum Series - CVT (TMR) models, engine: Final Tier 4/Stage and Puma Series - CVT, engine: Tier 5/Stage IV, among others.
- HCU, new technical documents to calibrate the rear lift in Magnum MX Series model.
- FPT Iveco EDC 17 CV41, new wiring diagram configuration in model Steiger Series model, engine: Interim Tier 4/Stage IIIB.
- ET transmission, new wiring diagram configuration in model Puma Series - 18/19x6 Semi Power Shift model, Tier 5/Stage V engine.

CLAAS

- New HYD hydraulic system in models Nexos A65/A66/A67/A69/A70/A71.

DEUTZ-FAHR

- FARMotion Tier 5 - MD1 CS089, diesel particulate filter regeneration, injector coding, PRV valve reset, EGR, DOC and many others.
- EMR5 EDC MD1 engine system, new advanced actions for C 5000 Series, C 6000 Series and C 6000 TS Series models, among others.
- SECU central computer, calibration of the identification code of the spool valves.

FENDT

- SISU EEM4S5 – EDC MD1, maintenance reset for the DPF and SCR replacement in the 300 Vario model.

FLORY

- EDC Level 14/16/23, new wiring diagram configuration in several models of the make.

GOLDONI

- VCU central computer, 4 Wheel Drive solenoid valve activation in Q110 models.

JOHN DEERE

- New CSM electronic module in 7R and 8R Series models.
- New FCC central computer in the 6M Series model.
- New PLC auxiliary brake system in the 6R Series model.
- New SCO hydraulic system in the 8R Series model.
- New CAB electronic module in the S700 Series model.
- Level 40 engine control system, calibrations of the EGR valve, of the intake throttle valve and of the exhaust gas throttle in 7R, 8R and 9R Series models.
- SCO hydraulic system, settings of the spool valve number, front lift calibration and parameter settings in the 7R Series model.
- CCU central computer, technical release to perform the maintenance reset in the 6M Series model.
- PTP, LC2, GLM and ATC, new wiring diagram configurations in S500, S600 and S700 Series models.

KUBOTA

- E-CDIS engine control, new wiring diagram configurations in M6 Series and M6002 Series models.
- ACU exhaust gas aftertreatment system, new wiring diagram configurations in M6 Series and M6002 Series models.

LAMBORGHINI

- SECU central computer, parameter setting and front suspension check in Mach Series, Spark Series and Spire Series models, among others.

MASSEY FERGUSON

- New Keyboard and Dashboard instrument clusters in the 8700 Series Datatronic 5 model.
- New MFA electronic module in the 8700 Series Datatronic 5 model.
- SRC14-34 central computer, parameter setting in 6700 S, 7700 S and 8700 S Series models.

McCORMICK

- TC Transmission, new wiring diagram configurations in XTX Series models, engine: Tier 2/Stage II-Tier 3/Stage III and XTX Series, engine: Interim Tier 4/Stage IIIB.

NEW HOLLAND

- New DEC CVT transmission in the T7 PLM Series - Auto Command 275/290/315/340 model, engine: Tier 5/Stage V.
- FPT EDC MD1 CS069 engine control system, technical data in T3F Series models, engine: Tier 5/Stage V, T4 Series, engine: Tier 5/Stage V and T5 Series, engine: Tier 5/Stage V, among others.
- TCM transmission, new wiring diagram configurations in T7 Series - 18/19x6 Power Command (Armrest) (TMR).

OMC

- CATERPILLAR C-3.4B, J1939 engine control system, inducement mode reset in Aftershock Elevator FE-36, SD-36 and SE-180B models.

STEYR

- New ICM instrument cluster in the Terrus S-Fleet S model, engine: Tier 5/Stage V.
- TCU1 transmission, technical document to calibrate the transmission in Multi 4100 Series models, engine: Final Tier 4/Stage IV and Multi Series – Ecotech, engine: Interim Tier 4/Stage IIIB.
- ACM armrest system, new functionalities in Terrus Series models, engine: Tier 5/Stage V, CVT Series TMR, engine: Final Tier 4/Stage IV and Profi 4115-6145 – CVT, engine: Tier 5/Stage V, among others.
- TCM CVT transmission, new wiring diagram configurations in the CVT Series (TMR) model, Final Tier 4/Stage IV engine.

VALTRA

- SUS1 suspension control system, technical document with the calibration procedure of the front suspension in the **T174ED (AC24.5)** model.

VREDO

- AdBlue EEC3 exhaust gas aftertreatment system, activations of the fuel shut-off valve and of the air shut-off valve in VT4556, VT5536 and VT7138 models, among others.

Construction Vehicles Additional Coverage

The number of models in **DEVELON**, **DYNAPAC**, **HAMM**, **JCB**, **JOHN DEERE CE**, **SCHMIDT** and **VÖGELE** makes has been expanded. This version includes the **MWM** and **RASCO** make.

It is important to note the development of the new E-EPOS (on RS232) central computer in DX-7 Series models. This system is available in the **DEVELON** make.

In general, the System Display has been added in the **DOOSAN** DM01, DM02, DM03 (on SAE J1939) engine control systems.

In addition to this, extended coverage in diagnostics for engine control systems. It is important to note new functionalities in the EControls ECM 4G system in **GLOBAL ENVIRONMENTAL** and **RAVO** makes.

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

CATERPILLAR

- New MCM engine management control module in the AP Series.
- New TCM transmission control module in the AP Series.
- New SCM screed control module in the AP Series.
- New chassis central computer in the 700 Series
- New TCCM transmission chassis control module in the 700 Series
- C-3.4B engine control system, inducement mode reset.
- C-7.1 engine control system, activations.

CLASS

- ECU3 (on UDS) engine control system, maintenance reset of the exhaust gas aftertreatment system.

DEVELON

- New E-EPOS electronic power optimizing system in the DX-7 Series models.
- DL06/DL08 STAGE V engine control system, activations, checks, parameters and maintenance services.

JCB

- New Keypad 1 (on SAE J1939) instrument cluster in wheel loaders and Hydradig Series.
- New Keypad 2 (on SAE J1939) instrument cluster in wheel loaders and Hydradig Series.
- New CLUSTER (on SAE J1939) instrument cluster in telescopic wheel loaders.
- New HYD hydraulic system for telescopic wheel loaders.
- New Keyboard instrument cluster in the Hydradig Series.
- New IOM 1, IOM 2, IOM3 and IOM 4 input and output signal control modules in the Hydradig Series.
- IC (on SAE J1939) instrument cluster for wheel loaders, maintenance reset.

JOHN DEERE

- New SM1 (on SAE J1939) switch module system in the L and P Series dozer.
- New ATC (on SAE J1939) automatic temperature control in L Series and P Series dozers.
- HVC hydraulic system for dozer, parameter settings of the thrust blade.
- TCU (on SAE J1939) transmission for dozer, parameter settings of the speed control.

KOMATSU

- TRANS, monitor R (On SAE J1939) transmission in WA300-7 and WA400-7 models, measurements. Parameter settings and maintenance reset.
- New wiring diagram configurations in the TRANS (On SAE J1939) system for WA 300-5 Series, WA 400-5 Series, WA 500-5, WA 600-5, WA 300-6, WA 400-6 and WA 400-6EO Series models.
- New wiring diagram configurations in the TRANS (on SAE J1939) transmission for WA 100-5 Series and WA 200-5 Series models.

KUBOTA

- New wiring diagram configurations in the E-CDIS (on SAE J1939) engine control system in KX Series, R Series and S Series models.
- EControls ECM 4G (on SAE J1939) engine control system, control check of the closed-loop lambda/02 sensor mixture and compression test.
- New wiring diagram configurations in the E-CDIS (on SAE J1939) engine control system in V1505, V2607 and V3307 models.

LIEBHERR

- ECU3 (on UDS) engine control system, System Display of the fuel system and maintenance reset after the diesel particulate filter replacement.

WACKER NEUSON

- IC (on SAE J1939) instrument cluster for wheel loaders, maintenance reset.

Thank you for being a loyal Bosch Customer.

Visit www.boschdiagnostics.com and see your preferred Bosch Distributor for more information.

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