

ESI[tronic] Truck Info

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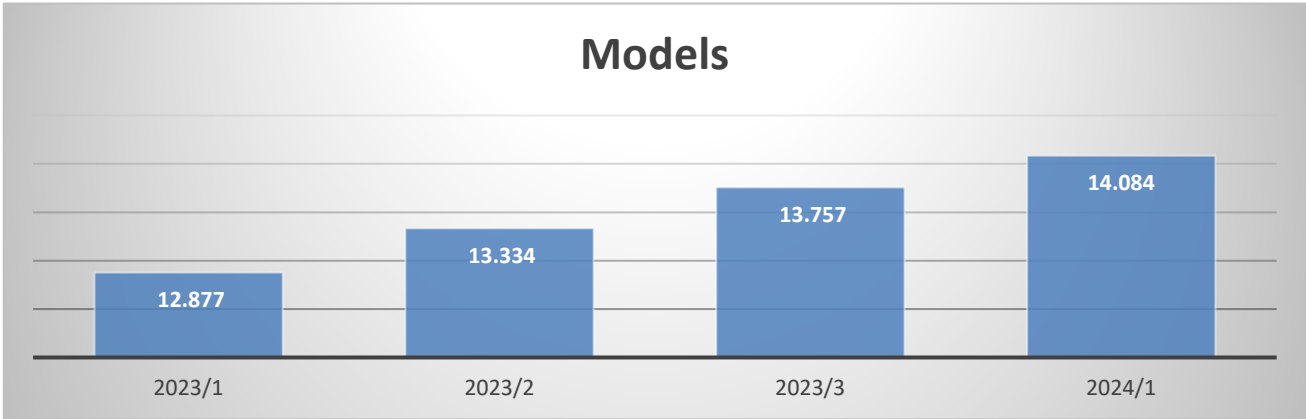
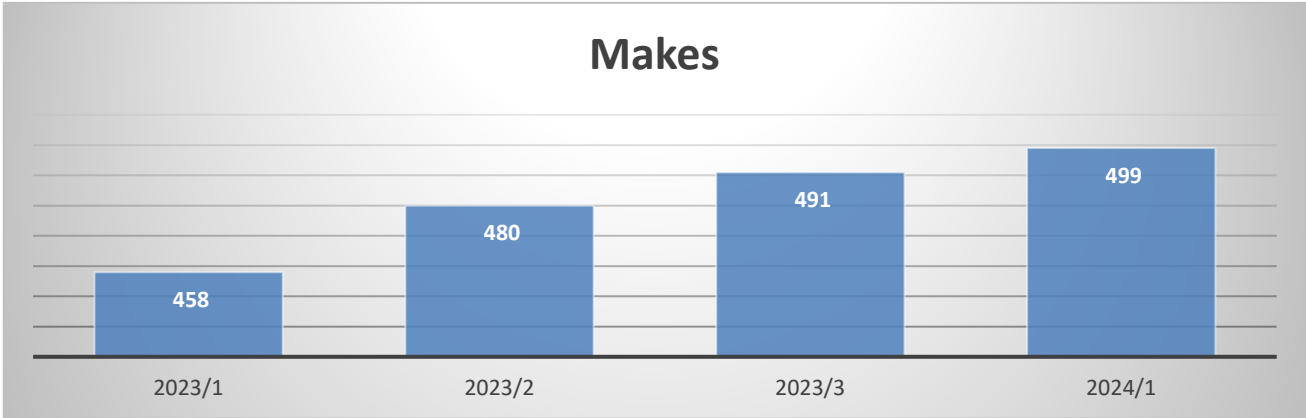


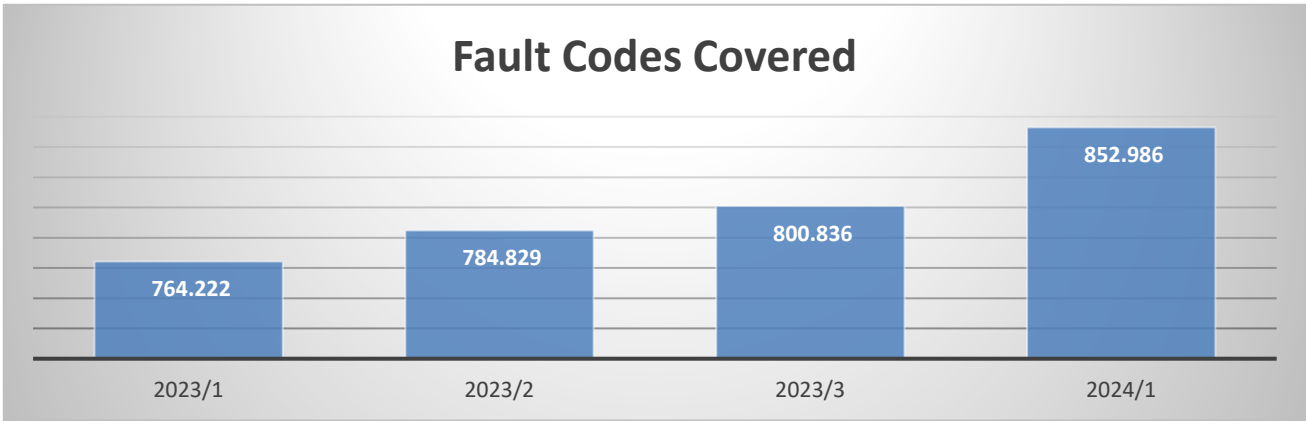
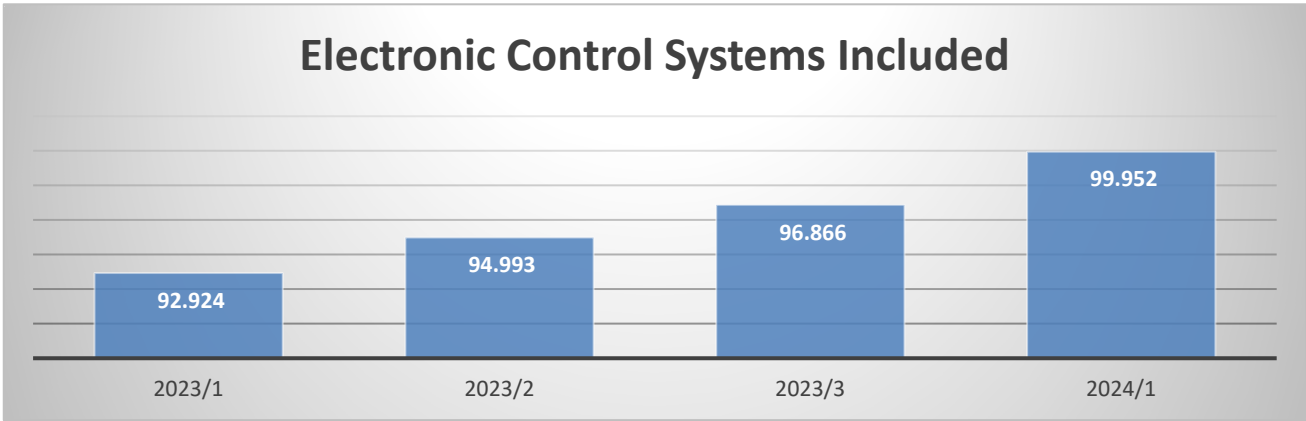
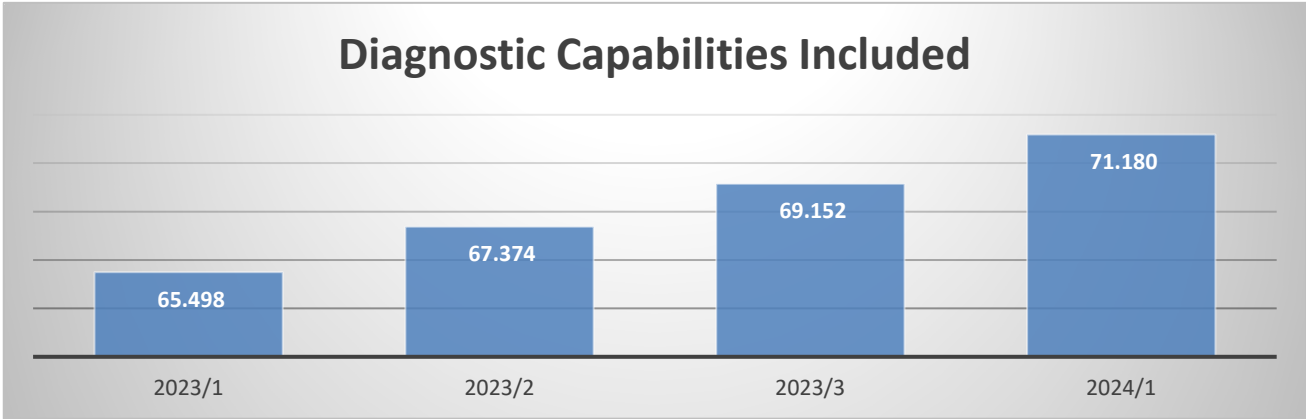
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1 Coverage Evolution

- 8 New Makes
- 327 New Models
- 3.086 New Electronic Control Systems
- 2.028 New Diagnostics Capabilities
- 207 New Wiring Diagrams
- 52.150 New Fault Codes





2 Trucks & Buses

Take into account that this document is only a summary of the most relevant information of this new version.

Some of the new models of this version are listed below.

- New models
 - CNHTC--SINOTRUK
 - Howo T7H / TX / T5G / G5X
 - Sitrak C7H / C6G / C5H
 - HINO
 - Liesse
 - Selega
 - HYUNDAI
 - Aero Bus, engine: D6AB, D6CA, D6CB, D6CC
 - Aero Town, engine: D6GA
 - County, engine: D4GA
 - Universe, engine: D6AB, D6CA, D6CD
 - IRIZAR
 - ie bus / i2e
 - ie tram
 - ISUZU
 - C Series/E Series/GIGA, engine: 6WG1 Euro 6
 - N Series/ELF, engine: 4JZ1-TC
 - Citiport CNG Euro 6
 - Kendo 12.3
 - IVECO/IRISBUS
 - Crossway CNG Euro 6-E [2022 - ...]
 - Streetway Euro 6-E [2022 - ...]
 - Urbanway Euro 6-E [2022 - ...]
 - JAC
 - X200
 - MAN
 - 42C/43C Lion's 4 City (12/13 m)
 - 18E Lion's 4 City (18 m)
 - OTOKAR
 - Agilo C Euro 6
 - SCANIA
 - R Series Euro 3, 4, 5 [2017 - ...]
 - R, G, P, S Series SUPER Euro 6 [2017 - ...]
 - K 450C B
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- SOLARIS
 - Electric Bus
 - Urbino 12 HYBRID Euro 6
 - Land Cruiser 4.2 Diesel turbo 4x4
- UD TRUCKS
 - Condor (Engine: 6NX1)
- VOLKSWAGEN
 - Constellation 25.460 Euro 5
 - Meteor 29.530 Euro 6
- XCMG
 - Hanvan G5 / G7 / G9
 - K Series

These are just some of the most relevant new features enhanced and released in this new version.
In systems which apply to different brands:

- Allison 3000/4000 (6th Gen) transmission, adaptive shift reset, oil filter reset and clutch reset.
- Cummins Euro 6 X15 CM2350, X12 CM2350, B4.5/6.7 CM2350 and L9 CM2350 engine control systems, parameters and checks concerning the exhaust gas aftertreatment system and the injector coding.
- Cummins Euro 6E X15 CM2450, X12 CM2450, L9 CM2450 and B6.7 CM2450 engine control systems, high idle configuration for the quick heating and the injector coding.
- EDC 17 CV41 + Denox 2.2 engine control system, system checks and maintenance services such as the AdBlue/DEF dosing, the particulate filter replacement and the DOC catalytic converter, etc.
- New Wabco OnLane 2 LDW lane departure warning assistant.

BMC

- New EDC MD1 CE101 engine control system for the Tugra model.

DAF

- New service maintenance system for XF, XG and XD Euro 6 [2021 - ...] models.
- Allison 3000/4000 (5th Gen) transmission added for CF MX-11 E6 and CF E6 (F7/BH Series) [2017 - ...] models.

IRISBUS

- New ETS rear steering axle control system in CROSSWAY and EVADYS Euro 6 bus models.

IVECO

- New ECM MD1 CNG/LNG gas engine control system for S-Way and X Way Natural Power models.
 - The injector coding and the reset after oil replacement have been added in S-Way, T-Way and X-Way models with Cursor engine and EDC MD1 engine control system.
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MERCEDES-BENZ

- Update of the technical vehicle data for Econic 5 models with OM936 engine types including information concerning the vehicle maintenance programs.
- New systems for eCITARO model, CPC (Common PowerTrain Controller), DCL (DC/DC Converter) and API (Ancillaries Power Inverter).

RENAULT

- In vehicles with V4 technology:
 - o CIOM cab module, key learning process.
 - o Maintenance system through the VMCU electronic control unit of the vehicle, reset of the gearbox oil change.
- In vehicles with V3 technology:
 - o Interactive technical release of the electronic vehicle architecture.

SCANIA

- New wiring diagram configurations available for the EMS10 engine control system.
- New AMS2 Cummins Ecofit UL4 exhaust gas aftertreatment system installed in models of the SUPER range.
- New wiring diagram configurations of the BMU drive battery in K320 UB and K320 EB hybrid models available for vehicles manufactured from 09/2017.

TEMSA

- EDC MD1 CE101 engine control system for MD7 and MD9 Euro 6 models.

VOLVO

- In vehicles with V4 technology:
 - o EMS engine control system, configuration of the vehicle speed limit reduction in economy mode.
 - o CIOM cab module, remote key and key learning processes.
 - In vehicles with V3 technology:
 - o EMS engine control system, configuration of the engine speed limitation with active fault codes.
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3 Light Commercial Vehicles

These are just some of the most relevant new features enhanced and released in this new version.

Some of the new models of this version are listed below.

- New models
 - FORD
 - Ranger 3.0 D NGD [2005 - 2009]
 - Ranger 2.2 TDCi Duratorq [2012 - ...]
 - IVECO/IRISBUS
 - Daily Latin America [2019 - 2021]
 - Minibus Daily CNG [2021 - ...]
 - MERCEDES-BENZ
 - Vito [447] 110 CDI engine: OM 622.851/654.920
 - NISSAN
 - Frontier 2.5 D-4D 4WD [D22] engine: YD25DDTi
 - Frontier ZD30 DDT 4WD
 - Navara NP300 2.5 Diesel Turbo [D22SS] engine: YD25DDTi
 - Navara NP300 2.5 dCi 4x4 [D22SS] engine: YD25
 - NV300 Primastar [X82] engine: M9R [2021 - ...]
 - RENAULT
 - Kangoo 1.5 Blue dCi [FF/KF] engine: K9K [2021 - ...]
 - Trafic 2.0 dCi [EG/FG/GJ] engine: M9R [2021 - ...]
 - TOYOTA
 - Hilux 3.0 Diesel Turbo 4x4
 - Hilux 2.8 D-4D
 - VOLKSWAGEN
 - Crafter 35 2.0 TDI, engine: DAWA [2017 - 2021]

FIAT

- New RRM and ETM radio infotainment systems in the Fiat Ducato [2014 - ...] model in which new parameters of the transport mode have also been added.
 - In addition, an interactive System Display has been added for the Diesel Particulate Filter regeneration and the fuel system in the Fiat Ducato MCA model.
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FORD

- TCN 6R80 transmission in the Ford Ranger [2012 - 2019] model.
- Parameters of the transport mode in the Ford Transit/Custom [2014 - ...] model.

IVECO

- Service 5.0 maintenance control system for Daily MY2019 and MY2021.

MERCEDES BENZ

- New wiring diagram configurations available for several systems such as ENR, STH, CRR2, BSN/IBS, OCP or ISM in Sprinter 906/907 and Vito 447 models.
 - New CRR2 engine control system in the Vito 110/114 [2019 - ...] model.
 - New ENR suspension control system in the Sprinter 906 model.
 - Parameters of the transport mode in Sprinter 906/907 and Vito 447 models.
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4 OHW I

Some of the new models and brands in ESI[tronic] Truck are listed below.

- New brands
 - AVR tractors
 - AEBI implements

- New models
 - CASE iH
 - Optum Series (TMR), engine: Final Tier 4/Stage IV
 - Puma Series - CVT (TMR), engine: Final Tier 4/Stage IV
 - CLAAS
 - Arion 4X0 (A72), engine: Tier 5/Stage V
 - Nexos (A65/A66/A67/A69/A70/A71)
 - JOHN DEERE
 - 2R Series
 - S400 Series
 - CP700 Series
 - CS700 Series
 - LANDINI
 - Rex 4 Series (F/S/V/GT/GE/GB), engine: Tier 5/Stage V
 - Trekker Series, engine: Tier 5/Stage V
 - McCORMICK
 - X4 Series (F/N/V/XL), engine: Tier 5/Stage V
 - ROSTSELMASH
 - RSM 1403
 - TYM
 - K110E
 - T455
 - T130
 - VALTRA
 - A 105
 - A 95
 - VREDO
 - VT7028-3

These are just some of the most relevant new features enhanced and released in this new version.

Overall, new DTC Lookup in several models of brands such as **CASE iH**, **JOHN DEERE**, **MASSEY FERGUSON** or **NEW HOLLAND**, among others.

As innovation, it is important to highlight the AdBlue/DEF module cleaning in the Cummins B6.7 engine control system, present in several models of tractor and harvest equipment brands such as KUBOTA and CLAAS.

Furthermore, FPT EDC MD1 CS069 engine control system, checks and maintenance services of the engine and the AdBlue/DEF exhaust gas aftertreatment system.

In harvest equipment, extended coverage of configurable parameters in Volvo EMS V3 and EMS V4 engine control systems, present in models such as AGRIFAC, AVR, HOLMER, ROPA or WEISS McNAIR.

CASE IH

- New TCM transmission and EDC rear lift system in the Farmall C Series model, engine: Tier 5/Stage V.
- AST steering system, technical release to calibrate the steering in Maxxum Series – CVT and Puma Series - 18/19x6 Full Power Shift models, engine: Final Tier 4/Stage IV, among others.

CHALLENGER

- Husco Auxiliar Valves hydraulic system, exchange of the spool valve identification codes for MT 700E Series models, engine: Final Tier 4/Stage IV and MT 800E Series, engine: Final Tier 4/Stage IV, among others.
- SISU EEM4F – EDC 17 CV41 Master/Slave engine control system, checks and maintenance reset.

FENDT

- New ICU injection control system in the 900 Vario Series (GEN6) model, engine: MAN, Final Tier 4/Stage IV.
- MAN EDC 17 CV42 engine control system, lambda/O2 sensor reset for 1000 Vario Series and 1100 Vario Series models, engine: Final Tier 4/Stage IV, among others.
- New wiring diagrams, technical data and location images in systems of 900 Vario MT Series models, engine: Final Tier 4/Stage IV and 1100 Vario MT Series, engine: Final Tier 4/Stage IV, it is important to highlight the Instrument Cluster and Rexroth valves systems.

JCB

- New systems in Fastrac 8000 and Fastrac 4000 Series models: 4WD differential lock control system and ABS brake system.
- FCC central computer, suspension calibration for the Fastrac 8000 Series model, engine: Final Tier 4/Stage IV.
- EXT-LT transmission, calibration of the rear and front power take-offs for Fastrac 4000 Series models.

JOHN DEERE

- New HV1 hydraulic system for 5M and 5R Series models.
 - New AIC (MY22) electronic module for 8R Series models after the year 2022.
 - ECU HPCR (Level 40 - Tier 4F/5 - Stage IV/V) engine control system, functionalities such as the injector coding, the diesel particulate filter cleaning or the fault code clearance of the exhaust gas aftertreatment system for 7R, 8R and 9R Series models.
 - SCO hydraulic control system, set of the XI, XII and XIII front spool valves for the 6R Series model, engine: Interim Tier 4/Stage IIIB.
 - HCC hydraulic system, lift calibration for the 8030 Series model.
 - New systems for the 8000 Series forage harvester model, such as: CAB electronic module of the cabin. ATC climate control, CRU audio. CHC harvest system, CSM battery control module and/or switch module, HM1 harvest system, MHC electronic module, PTP transmission and XSC steering control system.
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- New systems for S500, S600 and S700 Series combine harvester models: AYM harvest system and ATC climate control.
- ECU EUI (Level 32 - Final Tier 4 / Stage IV) engine control system, verification test of the SCR exhaust gas aftertreatment system repair for CP600, S700 and X9 Series models, among others.
- New wiring diagrams, technical data and location images in the ECU HPCR (Level 40 - Tier 4F/5 - Stage IV/V engine control system for CH900 and X9 Series models.

MASSEY FERGUSON

- New SRC14-34 central computer for 6700 S, 7700 S and 8700 S Series models.
- New steering control system for 6700 S and 7700 S Series models.
- New DCC instrument cluster for the 8700 S Series model.
- PVED steering control system, steering angle check and calibrations of the centred steering position and the maximum wheel turning angle.
- Parameter setting in systems of this brand such as the DCC2 instrument cluster or the Autotronic 5 suspension control system.
- KeyBoard instrument cluster, System Display during the parameter setting in 5600, 5700 S/SL, 6600, 6700 S, 7600, 7700 S, 7700 and 8700 Series models.

NEW HOLLAND

- REHR remote hydraulic controller, set of the boom control lever and the switch in the mudguard for the T6 Series - Auto Command (TMR) model, engine: Final Tier 4/Stage IV.
- Calibration of the rear power take-off in RPTO system for T6 Series - 16/17x16 models, engine: Final Tier 4/Stage IV and T7 Series - Auto Command, engine: Tier 5/Stage V, among others.
- FPT EDC 17 CV41 + Denox 2.2 (Vector) engine control system, replacement of the pressure regulator of the high-pressure fuel pump for the FR Series model.

STEYR

- FPTO front power take-off control system in the Terrus Series model, engine: Final Tier 4/Stage IV.
- Calibration of the spool valve control levers in REHR system for Profi 4115-6145 - 16/17x16 (TMR) models, engine: Final Tier 4/Stage IV and Terrus Series, engine: Tier 5/Stage V, among others.

VALTRA

- TC PS transmission, individual calibrations of the transmission and clutches for models such as N 122V (AC15.22), N 134V (AC35.5), T 154A (AC37.5) or T 254V (AC35.6), among others.

VREDO

- New Deutz EMR4 - EDC 17 CV52 Master/Slave engine control system, present in the VT7028-3 model of VREDO brand.
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5 OHW II

Some of the new models and brands in ESI[tronic] Truck are listed below.

- New brands
 - o AVANT
 - o DEVELON
 - o MST
 - o THALER
- New models in the following brands CASE CE (i.e., for CX Series crawl excavators), BUCHER, KUBOTA, TAKEUCHI, etc.

These are just some of the most relevant new features enhanced and released in this new version.

It is important to note the development of new advanced actions such as the Diesel Particulate filter regeneration for the EMS V3 engine control system in Stage V VOLVO PENTA engines. This system is available for brands such as GRADALL, KALMAR or TERBERG, among others.

Furthermore, it is highlighted the development of new advanced actions in the MCM central computer of CATERPILLAR for 900 Series wheel loaders.

Finally, it is also important to note new functionalities in the VOLKSWAGEN EDC VW (CPYA) system in AUSA, CMAR and SCHMIDT brands.

BOBCAT

- DOOSAN EDC DM02 / DM03 (on SAE J1939) engine control system, actuations, checks of the AdBlue/DEF metering valve and the AdBlue/DEF pump motor, injector coding and Diesel Particulate Filter regeneration.

BOMAG

- New EMR4 EDC17 CV52 engine control system for TCD12.0 (on SAE J1939) engines.

CATERPILLAR

- New MCM (on SAE J1939) central computer for D Series models.
- C-9.3B (on SAE J1939) engine control system, checks and maintenance services.
- New wiring diagram configurations in the C-9.3B engine control system available for D6, D7, 960 and 970 Series models.

CUMMINS

- X15 (on SAE J1939) engine control system, operation data and fuel consumption, checks, parameters, operating test of the exhaust gas aftertreatment system and injector coding.
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DEUTZ

- New EMR4 EDC17 CV52 (on SAE J1939) engine control system for TCD12.0 and TCD16.0 engines.

DOOSAN

- EDC DM02 / DM03 (on SAE J1939) engine control system, actuations, checks of the AdBlue/DEF metering valve and the AdBlue/DEF pump motor, injector coding and Diesel Particulate Filter regeneration. In addition, new wiring diagram configurations available for the DX50W-7 model.

HATZ

- New EDC17 C81 (on SAE J1939) engine control system.
- New wiring diagram configurations available for the 4H50TIC model.

JOHN DEERE

- VCU central computer for 944K wheel loaders, calibrations.
- New wiring diagrams in the TCU transmission available for the 524L model and the VCU central computer in backhoe loaders for L, K, SL and SK series.

KALMAR

- New DANA SPICER transmission for TR Series and TT Series models.

KOMATSU

- CUMMINS 4D95 3.3 CM2350 (on SAE J1939) engine control system, injector coding.

KUBOTA

- Technical data in new KUBOTA engine types has been added.

LIEBHERR

- New ECU3 (on UDS) engine control system.

NEW HOLLAND

- New wiring diagram configurations available for 300 Series wheel loaders and skid-steer loaders.

SANDVIK

- EMR4 EDC17 CV52 (on SAE J1939) engine control system, check of the Diesel Particulate Filter heating, Mode 1 and Mode 2.
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VM MOTORI

- New wiring diagram configurations of the engine control system and the exhaust gas aftertreatment system available for R756EU5, R754EU5, R754EU4, R756EU4, R754IE4 and R754/R756 (Stage IV/EU6) models.

VOLVO PENTA

- EMS V3 Stage V engine control system, Diesel Particulate Filter regeneration.

WACKER NEUSON

- VCU central computer for electric wheel loaders, advanced functions such as the maintenance reset.
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