



IDC5
SOFTWARE
UPDATE

OHW 23.0.0



IDC5 OHW 23.0.0

Dear Customer,

the new diagnostic features included in the **IDC5 OHW 23.0.0** update, which also contains the continuous updates **22.0.1 / 22.0.2 / 22.0.4 / 22.1.0 / 22.1.1 / 22.1.3 / 22.2.0 / 22.2.1 / 22.2.2 / 22.2.3 / 22.2.4 / 22.2.5 / 22.2.6 / 22.2.7**, allow working on a large number of vehicles that belong to makes of the most popular manufacturers. The work TEXA's developers carried out on agricultural vehicles, forklifts, telehandlers, construction vehicles and special vehicles guarantees all mechanics the opportunity to use diagnostic tools that are always updated and state-of-the-art, to operate successfully on the vast majority of the vehicles on the road.

Moreover, the **ENGLISH - AMERICAN** language has been added.

The **OHW 23.0.0** update also offers new, very useful Wiring Diagrams and DASHBOARDS.

To learn more about the extraordinary coverage made available by TEXA, visit the website:

www.texa.com/coverage

IMPORTANT NOTICE FOR CUSTOMERS WHO OWN A PC with Windows 7

Dear customers, Windows 7 is by now an obsolete operating system, no longer supported by Microsoft.

To make the most of all the functions in TEXA's IDC5 diagnostic software, we recommend you update your Personal Computer to the latest version of the operating system Windows 10 and Windows 11.

DIAGNOSTIC LIMITATIONS WARNING

Although TEXA strives to keep its diagnostic tools up to date, it ever more often finds itself having to deal with very complex vehicle electronics that requires tools with advanced technological features.

For this reason we inform you that on some vehicles the diagnosis or certain specific functions may not be compatible with old generation TEXA tools (VCIs) that have a serial number with "DNTxxxxxxx".

For further information contact your TEXA retailer.

IDC5 TRUCK 23.0.0 contains new possible selections for the major makes worldwide, among which:

ALLISON, AEBI, ANTONIO CARRARO, ARBOS, ASTEC, ATLAS, ATLAS COPCO, BOBCAT, BOMAG, CASE CE, CASE iH, CATERPILLAR, CHALLENGER, CLAAS, CUMMINS, CVS FERRARI, DEUTZ – FAHR, DEUTZ, DEUTZ-FAHR, DIECI, DITCH WITCH, DOOSAN, DOOSAN, DYNAPAC, EATON, ENERGREEN, ERO, EUROCOMACH, EUROMACH, FARESIN, FENDT, FPT, FUCHS, GEHL, GENIE, GREGOIRE, GRILLO, GROVE, HAMM, HANSA, HATZ, HAULOTTE, HIDROMEK, HITACHI, HOLDER, HURLIMANN, HYSTER, HYUNDAI CE, ISUZU, JCB, JLG, JOHN DEERE, JOHN DEERE CE, JUNGHENRICH, KAMAZ, KÄRCHER, KÄSSBOHRER GELÄNDEFahrZEUG, KATO IMER, KATO WORKS, KAWASAKI CE, KIOTI, KOBELCO, KOHLER, KOMATSU FOREST, KRAMER, KRONE, KUBOTA, KUBOTA, LAMBORGHINI, LANDINI, LAVERDA, LEEBOY, LIEBHERR, LINDE, LINK-BELT, LS MTRON, MAFI, MAGNI, MANITOU, MASSEY FERGUSON, McCORMICK, MECALAC, MENZI MUCK, MERCEDES-BENZ, MERLO, MITSUBISHI, MTU, MUSTANG by MANITOU, MWM Engine, NEW HOLLAND, NEW HOLLAND CE, PAUS, PB, PERKINS, PETTIBONE, PONSSE, PRINOTH, SAME, SANY, SCANIA, SCHÄEFF, SENNEBOGEN, SHIBAURA, SISU, SNORKEL, SOLMEC, SPIERINGS MOBILE CRANES, SUNWARD, TADANO, TAKEUCHI, TAMROCK, TAYLOR, TEREX, THWAITES, TORO, VALTRA, VM, VÖGELE, VOLVO CE, VOLVO PENTA, WACKER NEUSON, WEIDEMANN, WIRTGEN, XCMG, XTREME, YANMAR, ZF.

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CONSTRUCTION VEHICLES & SPECIAL VEHICLES

FORKLIFTS & TELEHANDLERS

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Consulting a wiring diagram

Dashboard

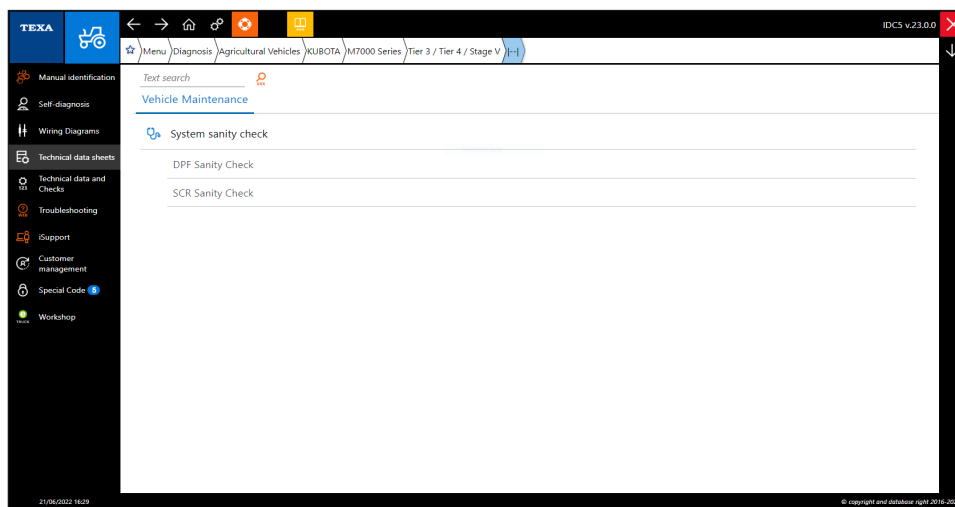
Coverage

Software

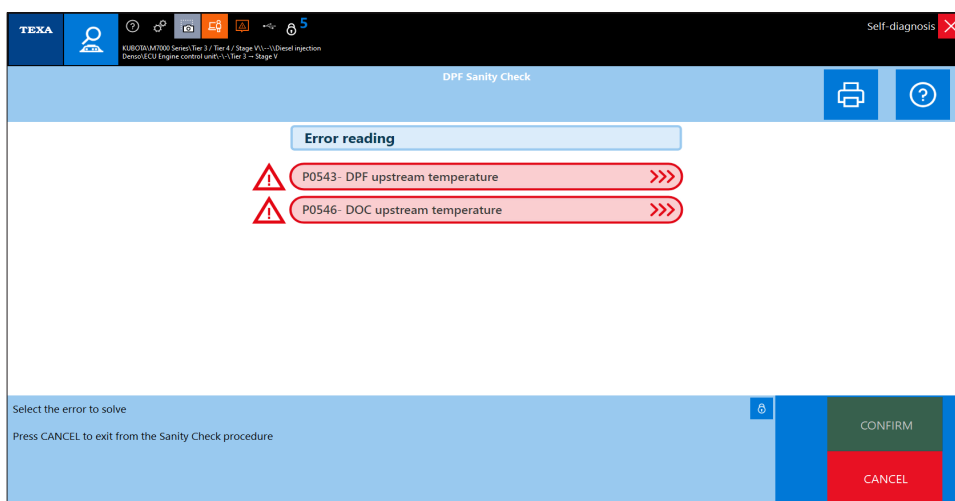
Sanity Check

This new function introduced with the OHW 23 version allows users to perform a guided and in-depth check to solve a problem.

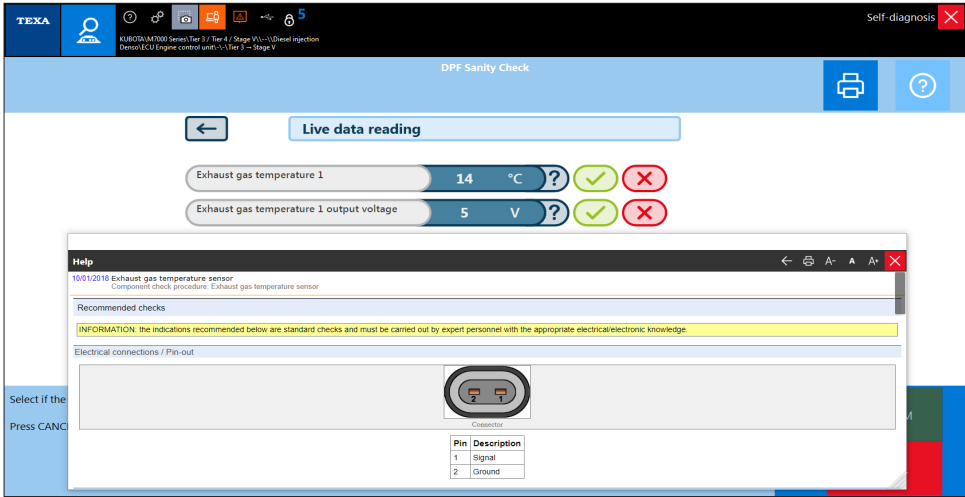
The guided diagnosis will show in a graphic, intuitive and interactive way, the actions to be taken to perform a specific repair or to check a component, guaranteeing its solution through suggestions and indications based on a logical process.



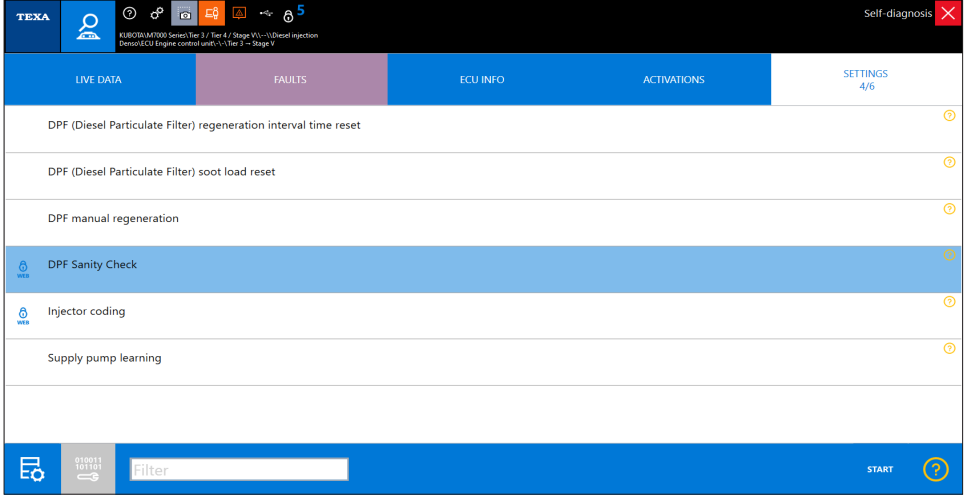
Start from quick menu.



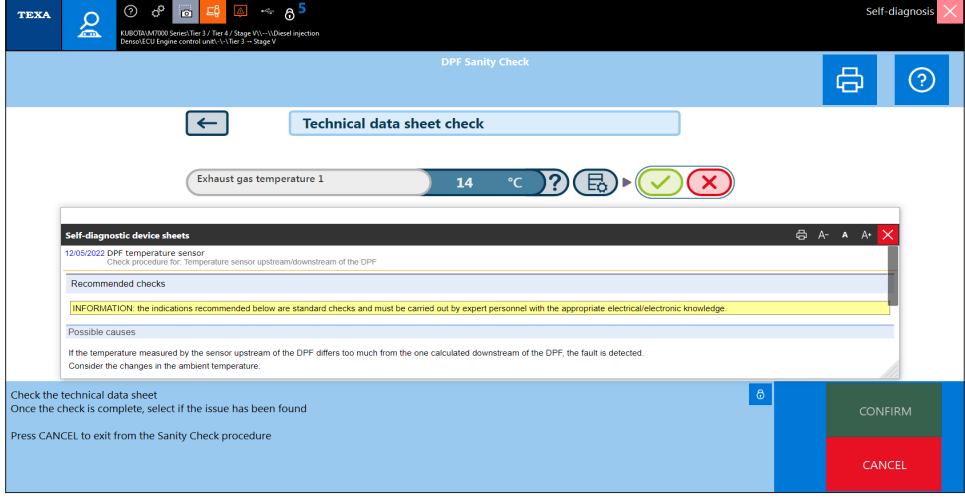
Error reading.



Error parameter reading with help sheet and component sheet.

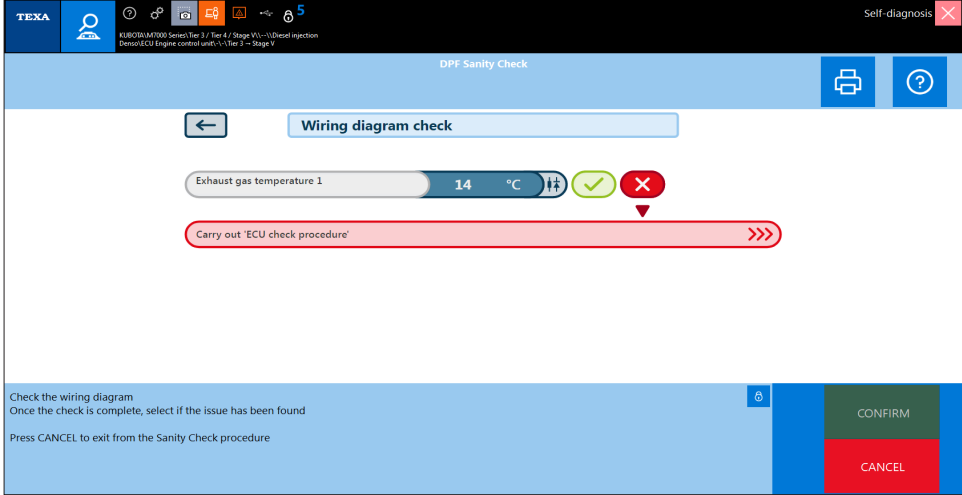


Start from diagnostic system.



Error parameter reading with technical sheet.

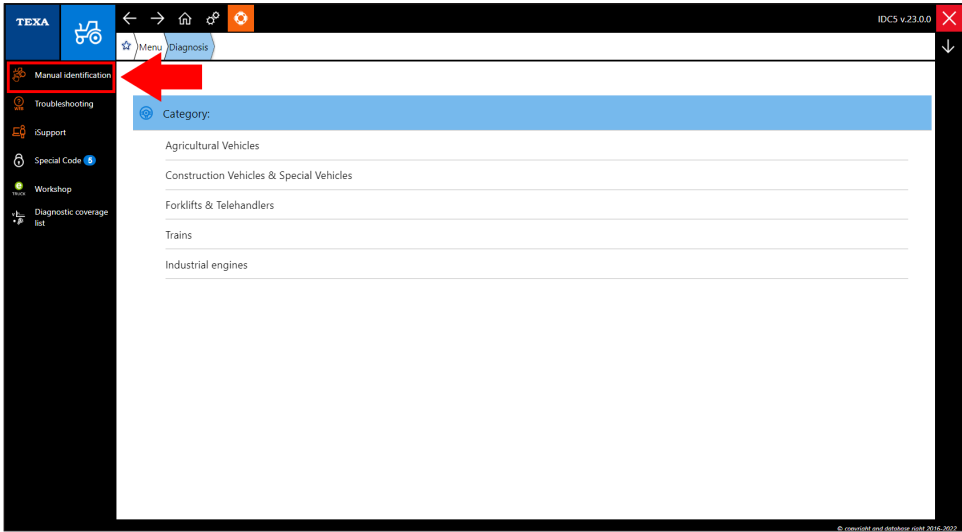
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Parameter reading with wiring diagram and detected fault.

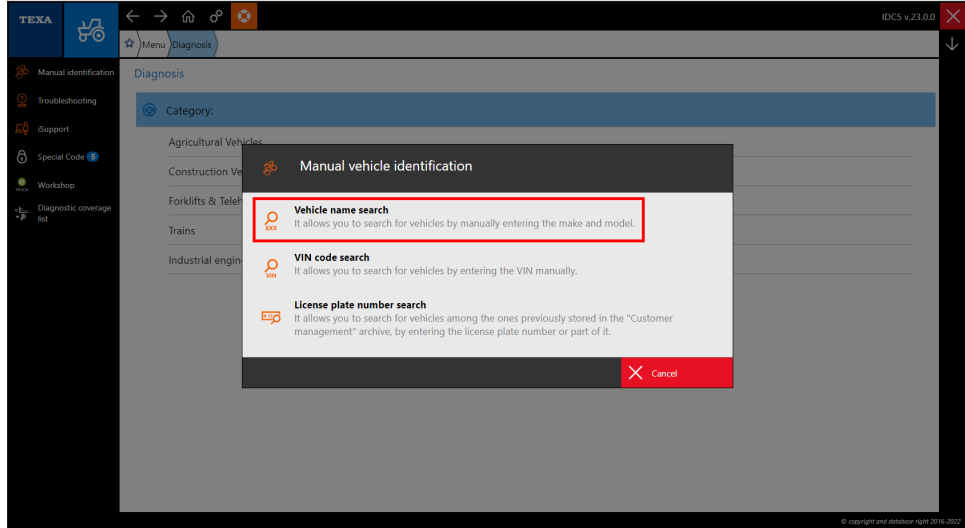
Generic vehicle search

Starting from the OHW 23 version, a new function has been implemented in the "Manual identification" menu: it is now possible to find a vehicle using the search bar.

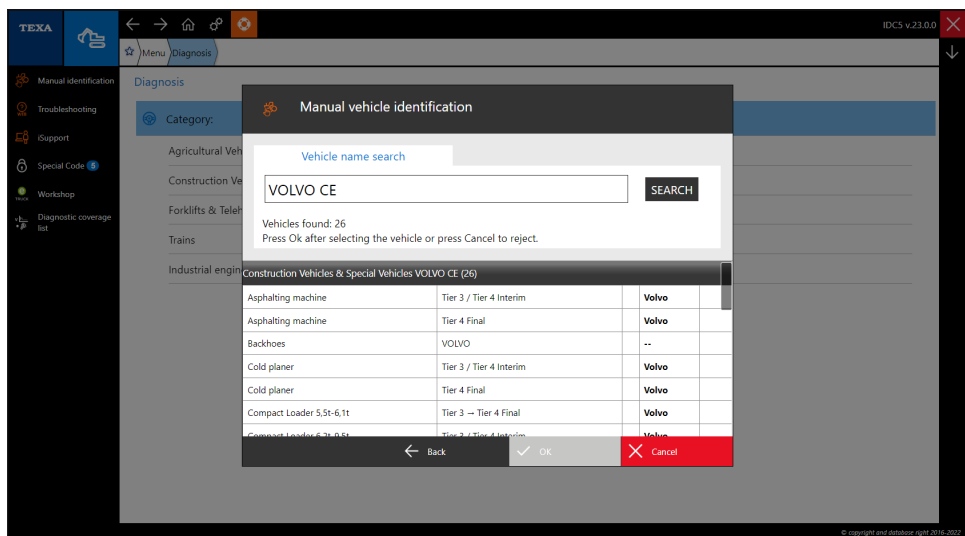


Manual identification menu.





Vehicle name search.

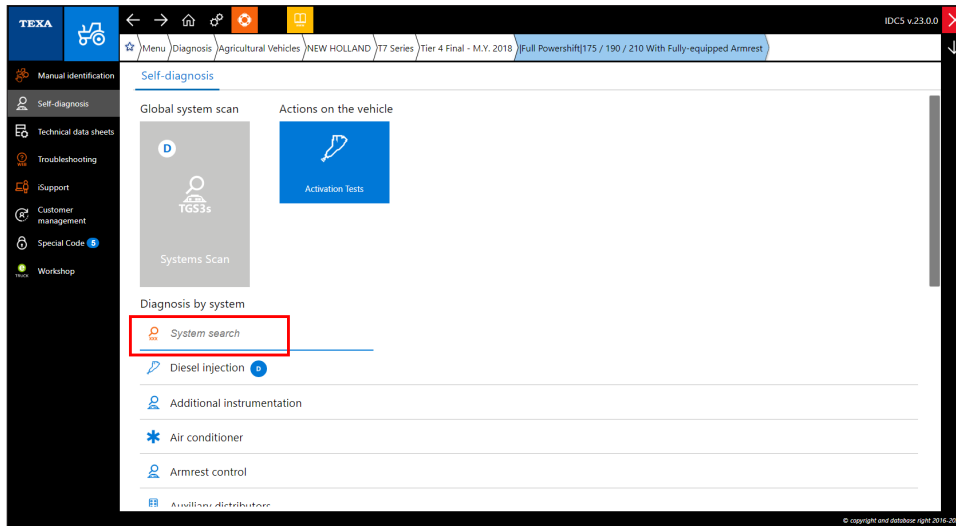


Search bar.

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System search bar

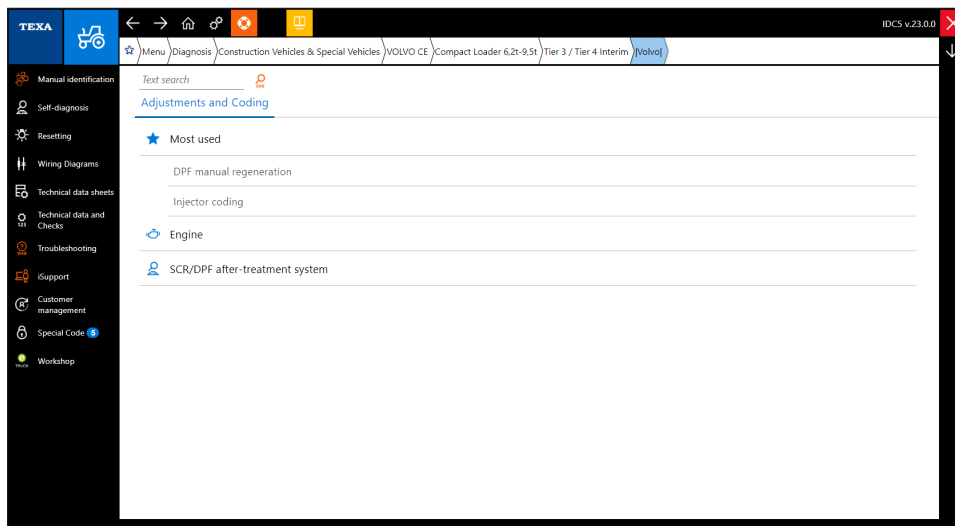
Starting from the OHW 23 version, a new function has been implemented in the "Self-diagnosis" menu: it is now possible to find a specific system using the search bar.



Search bar.

"Most used" adjustments and codings

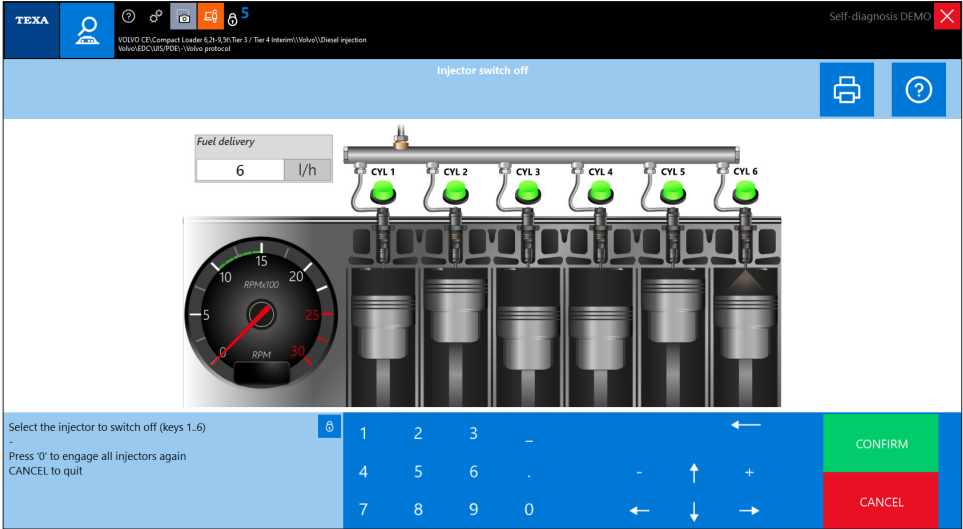
Starting from the OHW 23 version, a new sub-family, called "Most used", has been implemented in the "Adjustments and coding" and "Device check" menus. This new sub-family groups all the activations most frequently used when diagnosing a vehicle.



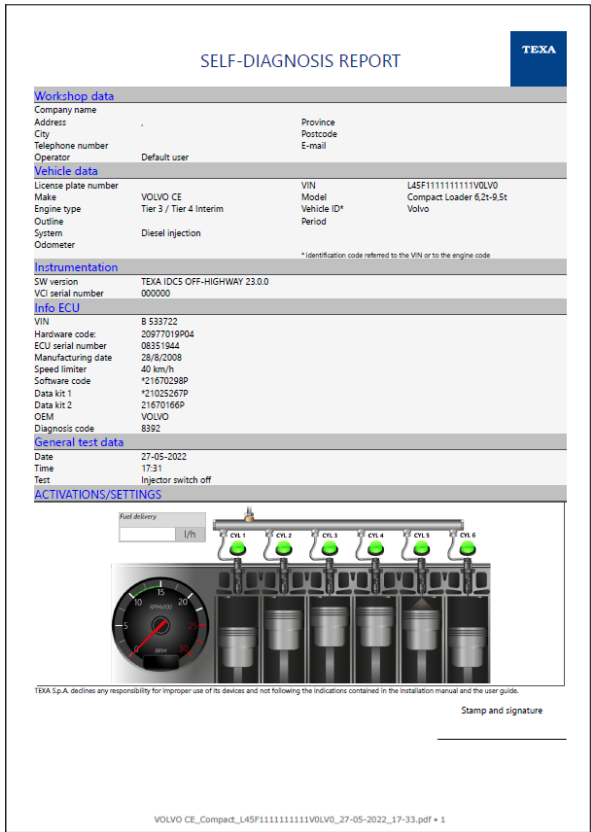
"Most used" sub-family.

PRINT button for adjustment and activation DASHBOARDS

Starting from the OHW 23 version, a new button has been implemented, for the dashboards associated with the adjustments or activations, that allows printing a report in PDF format.



PRINT button.



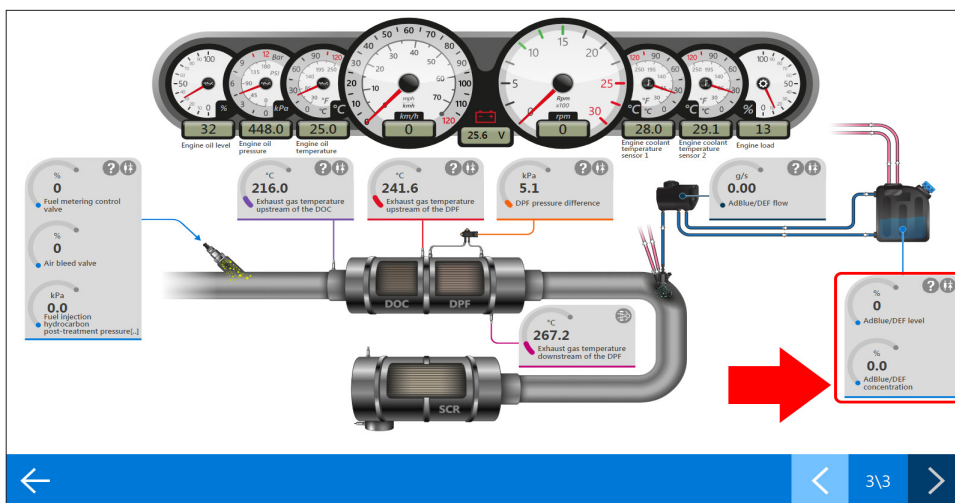
Example of a report.

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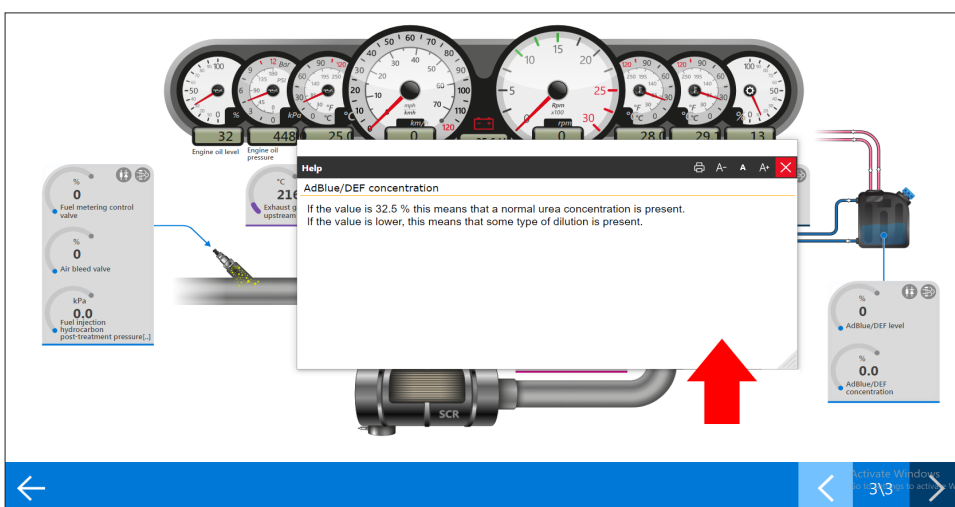
Help section for the DASHBOARD parameters

Starting from the OHW 23 version, a new function has been implemented to display the help section directly from the parameter dashboard.

By clicking on the parameter in the dashboard, you will be redirected to the corresponding help section.



Dashboard with help section.



Parameter's help section.

Error description display in the TGS3s DASHBOARDS

Starting from the OHW 23 version, a new function has been implemented to display the error description in the TGS3s dashboard.

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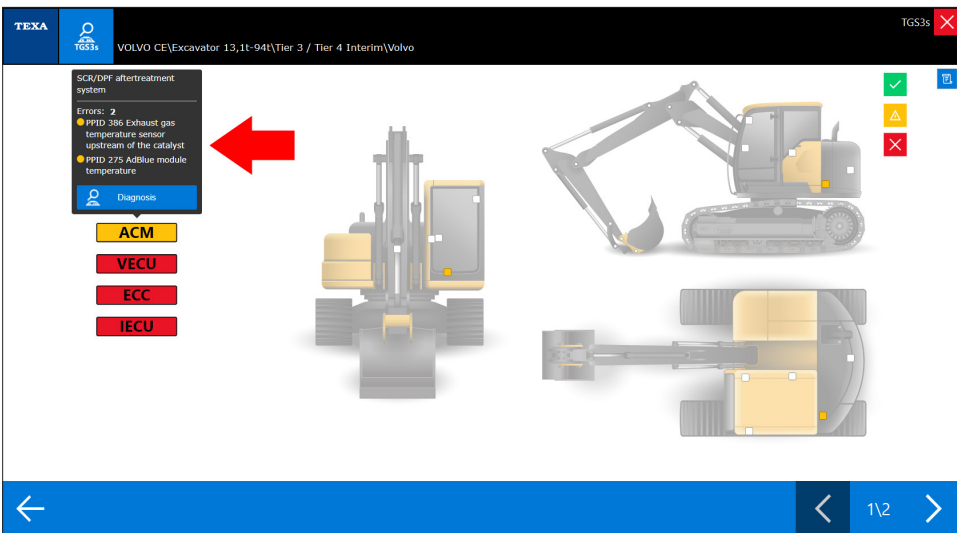
FORKLIFTS & TELEHANDLERS

WIRING DIAGRAMS

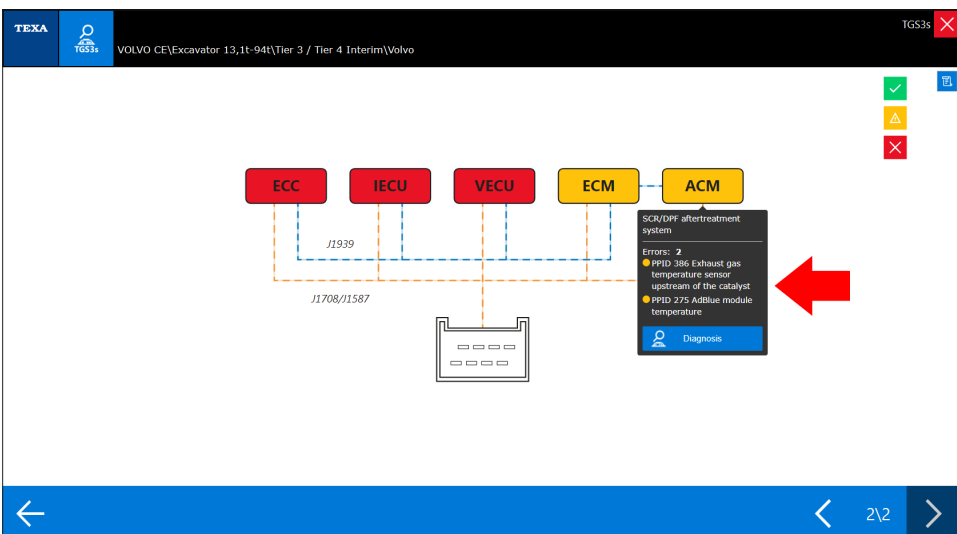
Consulting a wiring diagram

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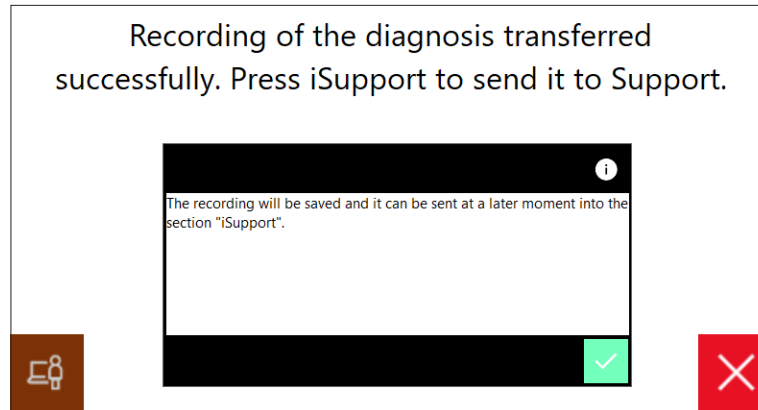
Error description in the TGS3s DASHBOARD.



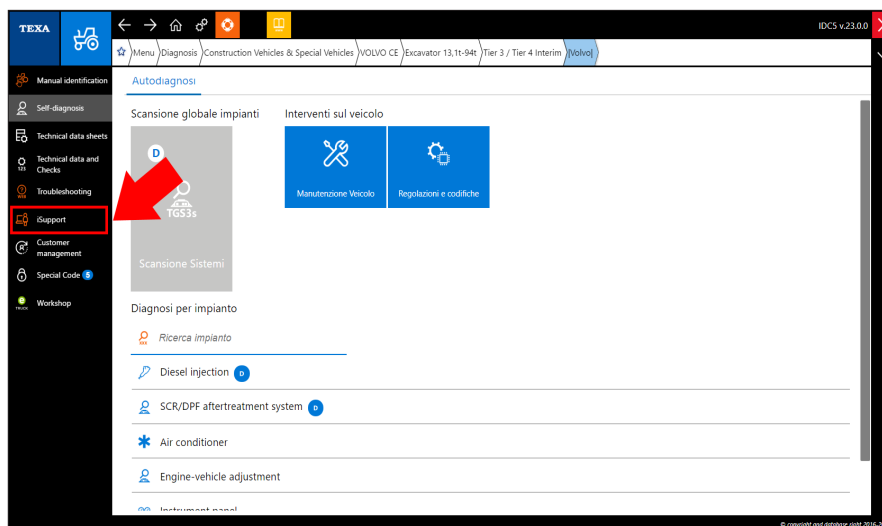
Error description in the TGS3s DASHBOARD.

Fault notification ticket without Internet connection

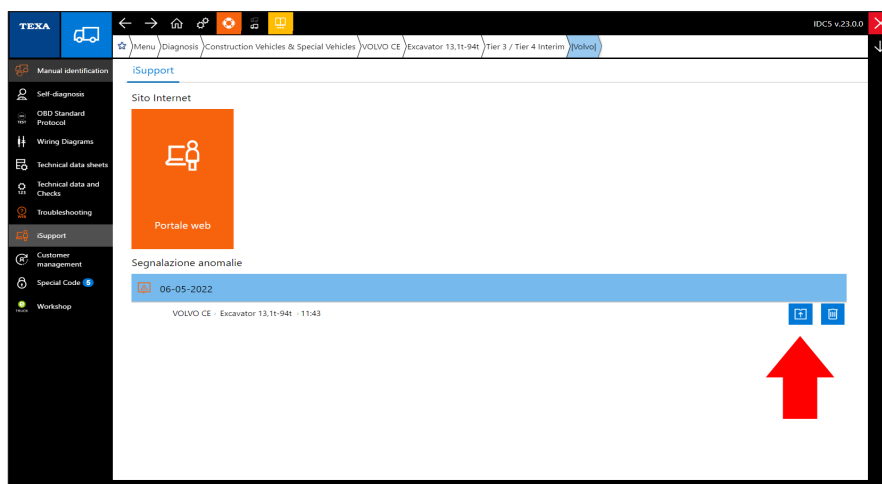
Starting from the OHW 23 version, if no Internet connection is available, the fault notification recording file will be saved in the "iSupport" section to be sent at a later time.



Recording successfully saved message.



iSupport button.

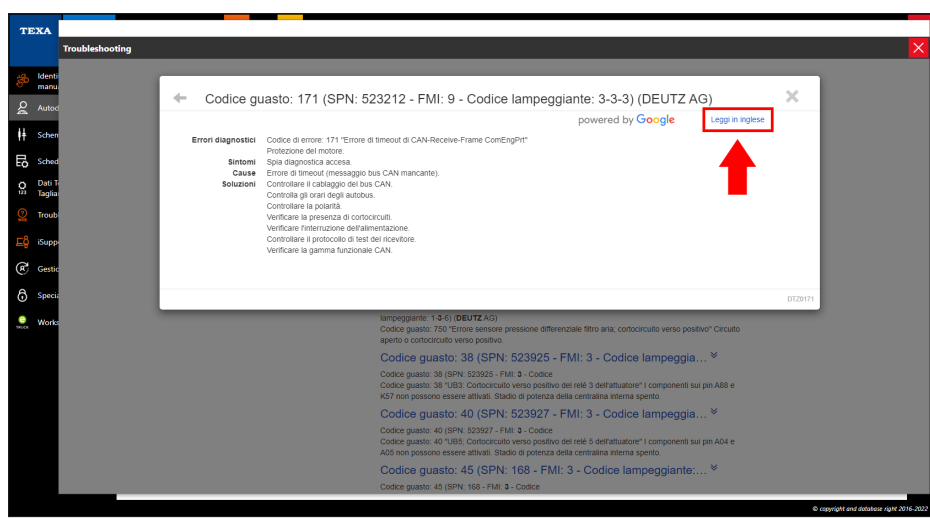


Icon to send the recording.

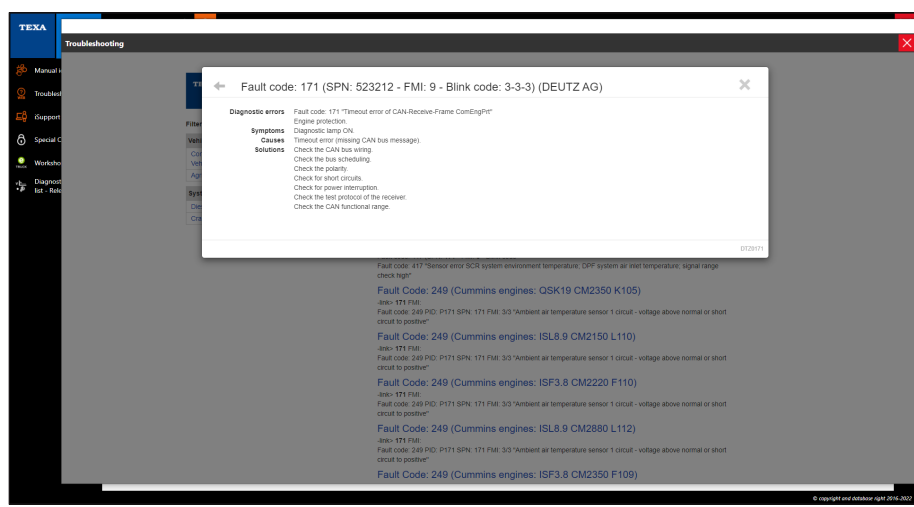
Automatic Troubleshooting translation

Starting from the OHW 23 version, the automatic translation function has been implemented for the Troubleshooting in the on-line portal. The translation will be provided in the language set in IDC5 and it is also possible to view the original language.

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Example of Troubleshooting.



Troubleshooting in the original language.

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AGRICULTURAL VEHICLES

ALLISON Transmission

The "Allison Generation 5" automatic transmission has been updated.

ANTONIO CARRARO

The "Transmission Control Module" automatic transmission system has been developed for the KUBOTA Tractor model.

BOSCH SCR

The "Bosch Denoxtronic 1-2" SCR/DPF after-treatment system has been updated.

CASE iH

New models have been developed:

- Farmall A Series;
- Farmall B Series;
- Farmall C Series;
- Farmall CL Series;
- Farmall M Series;
- Farmall N Series;
- Farmall U Series;
- Farmall U Series;
- Farmall V Series;
- Luxxum Series Stage V;
- Luxxum Series Tier 4 Final - M.Y. 2018;
- Magnum Series Tier 4 Final - M.Y. 2018;
- Maxxum Series Tier 4 Final - M.Y. 2018;
- Optum Series Stage V - M.Y. 2019;
- Optum Series Tier 4 Final - M.Y. 2018;
- Puma Series Tier 4 Final - M.Y. 2018;
- Vestrum Series Stage V.

CATERPILLAR Engine

- The "Caterpillar" Diesel injection system has been updated.
- The "Caterpillar DEF Controller" SCR/DPF after-treatment system has been updated.

CHALLENGER

- The new Self-propelled sprayer model has been developed.
- The "Transmission module" automatic transmission system has been updated.

CLAAS

- All the diagnostic systems in the following models have been updated:
 - Arion 400 Series;
 - Arion 500 Series;
 - Arion 600 Series;
 - Elios 200 Series;
 - Nexos 200 F / VE / VL Series;
 - Axion 800 Series;
 - Axion 900 Series.

- The "DriveTronic 3" automatic transmission system has been updated.
- The "Transmission control module" automatic transmission system has been updated.
- The "CEBIS terminal" multifunction display system has been updated.
- The "REH Rear Electro-hydraulic Hoist" rear hydraulic linkage system has been updated.
- The "TCE15T Rear electro-hydraulic linkage" system has been updated.
- The "DBD2 Instrument panel" instrument cluster system has been updated.
- The "HYD Hydraulic distributors" system has been updated.

CVS FERRARI

The "Dana Transmission control unit" automatic transmission system has been developed for the F 478.5 model.

DEUTZ-FAHR

- New models have been developed:
 - 3E Series;
 - 4E Series;
 - 5D Series;
 - 5D Ecoline Series;

- 5D TTV Series;
- 5DF / 5DS / 5DV TTV Series;
- 5E Series;
- 5F Ecoline Series;
- 5G Series;
- 5G TB Series.

The "Bosch DCU Dosing Control Unit 17 CV 51" SCR/DPF after-treatment system has been updated.

DEUTZ Engine

- The "Bosch EMR4/EMR5 EDC 17/MD1 Tier 4 / Stage V" Diesel injection system has been updated.
- The "Bosch EMR3 EDC 16" Diesel injection system has been updated.
- The "Liebherr EMR L1" Diesel injection system has been developed.

DOOSAN Engine

- The "Bosch ECU Engine control unit" Diesel injection system has been updated.
- The "Bosch EDC 7" Diesel injection system has been updated.

FENDT

- The 200 Vario Series model has been updated.
- The "Bosch Rexroth Hydraulic control valves control module" remote control valve system has been updated.

FPT Engine

- The "Bosch MD1CE101" Diesel injection system has been developed.
- The "Bosch EDC 7 UC 31 CAN line diagnosis" Diesel injection system has been updated.
- The "Bosch EDC 16 C 39" Diesel injection system has been updated.
- The "Bosch EDC 17 CV 41" Diesel injection system has been updated.
- The "Bosch EDC 17 C 49" Diesel injection system has been updated.

HURLIMANN

- New models have been developed:
- XA Series;
- XA Tradition Series;
- XA V-Drive Series;
- XB Series;
- XB TB Series;
- XE Series;
- XF / XS / XV V-Drive Series;
- XF Spirit Series;
- XF Tradition Series.

The "Bosch DCU Dosing Control Unit 17 CV 51" SCR/DPF after-treatment system has been updated.

JOHN DEERE

- The new 8500 Series Shredder model has been developed.
- The new 5R (M.Y. 2017) Series model has been developed.

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- The "John Deere ECU Engine Control Unit Tier 2 / Tier 3 / Tier 4" Diesel injection system has been updated.
- The "EPC PowerQuad/AutoQuad Plus control unit" automatic transmission system has been updated.
- The "PTQ AutoQuad Plus and PowrQuad Plus transmission control unit" automatic transmission system has been updated.
- The "PTR Power Train Reverser transmission control unit" automatic transmission system has been updated.
- The "CAB Cabin control unit" passenger compartment control system has been updated.

KÄRCHER

New models have been developed:

- B / C Series;
- MIC 26;
- MIC 35 / 42;
- S Series.

KOHLER Engine

- The "Kohler SCR Exhaust gas treatment" SCR/DPF after-treatment system has been developed.
- The "Kohler" Diesel injection system has been updated.

KOMATSU FOREST

New models have been developed:

- Feller bunchers 900 Series;
- Feller bunchers XT Series;
- Forestry forwarder 800 Series.

KUBOTA Engine

- The "Kubota SCR Exhaust gas treatment" SCR/DPF after-treatment system has been updated.
- The "Denso ECU Engine Control Unit" Diesel injection system has been updated.

LAMBORGHINI

New models have been developed:

- Crono Series;
- RF Series;
- Spark VRT Series;
- Spire Series;
- Spire F / Spire S / Spire V VRT Series;
- Spire F Target Series;
- Spire Target Series;
- Strike Series;
- Strike TB Series.

The "Bosch DCU Dosing Control Unit 17 CV 51" SCR/DPF after-treatment system has been updated.

LS MTRON

The new H Series Perkins model has been developed.

MASSEY FERGUSON

The "Hydraulic control valves control module" remote control valve system has been developed for the 66xx / 76xx / 77xx Series model.

MERCEDES-BENZ Engine

The diesel injection system "Bosch MR PF pump (PLD)" has been updated.

MTU Engine

- The "CPC Powertrain Controller" Diesel injection system has been updated.
- The "ACM Exhaust gas after-treatment" SCR/DPF after-treatment system has been updated.

NEW HOLLAND

New models have been developed:

- Combine harvester CH Series;
- Combine harvester CX series;
- Combine harvester CL Series;
- Combine harvester CS & CSX Series;
- Self-propelled shredder FR Series.

PERKINS Engine

- The "Perkins DEF Controller" SCR/DPF after-treatment system has been updated.
- The "Perkins ECM Engine Control Module" Diesel injection system has been updated.

PONSSE

The new Forestry forwarder model has been developed.

SAME

New models have been developed:

- Argon Series;
- Dorado Series;
- Dorado Classic Series;
- Dorado CVT Series;
- Dorado Natural Series;
- Explorer Series;
- Explorer TB Series;
- Frutteto / Frutteto F / Frutteto S / Frutteto V CVT Series;
- Frutteto 3 Classic Series;



- Frutteto Classic Series;
- Frutteto Natural Series.

The “Bosch DCU Dosing Control Unit 17 CV 51” SCR/DPF after-treatment system has been updated.

TORO

The new 7500-D Series model has been developed.

VALTRA

- The “Transmission module TC” automatic transmission developed for the N Series AC24.5 > AC27.51 model.
- The “Transmission module TC” automatic transmission developed for the T Series AC24.5 > AC27.51 model.
- The “Auxiliary control valves” system has been updated.

YANMAR Engine

- The “Yanmar ECU Engine Control Unit” Diesel injection system has been updated.

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ALLISON Transmission

The "Allison Generation 5" automatic transmission has been updated.

ASTECH

New models have been developed:

- Carlson CP Series;
- Roadtec SP Series;
- Roadtec RX Series;
- Roadtec SX Series.

ATLAS COPCO

The new Air compressor model has been developed.

BOBCAT

- The new E Series Stage V Excavator model has been developed.
- The new S & T Series Stage V Skid steer model has been developed.
- The "Bosch ECU Engine control unit 17 CV 51" Diesel injection system has been updated.
- The "Bosch Denoxtronic 1-2" SCR/DPF after-treatment system has been updated.

CASE CE

- The "Denso ECM Engine Control Module" Diesel injection system has been developed for the SHIBAURA Skid steer SE & SV Series model.
- The new G Series Stage V Excavator model has been developed.
- The new G Series Tier 4 Final Excavator model has been developed.

CATERPILLAR

- The new Roller-compactor model has been developed.
- The "Wireless transceiver" GPS system has been developed.

CUMMINS Engine

- The "Cummins J1939 Core 2 - Proprietary protocol" Diesel injection system has been updated.

DEUTZ Engine

- The "Bosch EMR4/EMR5 EDC 17/MD1 Tier 4 / Stage V" Diesel injection system has been updated.

- The "Bosch EMR3 EDC 16" Diesel injection system has been updated.
- The "Liebherr EMR L1" Diesel injection system has been developed.

DOOSAN Engine

- The "Bosch ECU Engine control unit" Diesel injection system has been updated.
- The "Bosch EDC 7" Diesel injection system has been updated.

EATON Transmission

- The "Eaton" automatic transmission system has been updated.

FPT Engine

- The "Bosch MD1CE101" Diesel injection system has been developed.
- The "Bosch EDC 7 UC 31 CAN line diagnosis" Diesel injection system has been updated.
- The "Bosch DCU15 Denoxtronic 2" SCR/DPF after-treatment system has been updated.
- The "Bosch EDC 16 C 39" Diesel injection system has been updated.
- The "Bosch EDC 17 CV 41" Diesel injection system has been updated.
- The "Bosch EDC 17 C 49" Diesel injection system has been updated.

FUCHS

- The new Material handler model has been developed.

GROVE

- The "Knorr – Bremse ABS Anti-lock Braking System" has been developed for the GMK Serie Tier 4 model.

HANSA

- The new Excavator model has been developed.

HITACHI

- The new CUMMINS ZW Series Loader model has been developed.
- The new ZX Series 7 Excavator model has been developed.

ISUZU Engine

- The "Isuzu ECU Engine control unit Tier 4 / Stage V" Diesel

injection system has been developed.

- The "Isuzu SCR Exhaust gas treatment" SCR/DPF after-treatment system has been updated.
- The "Isuzu ECU Engine control unit Tier 2 / Tier 3" Diesel injection system has been updated.

JCB

- The "Delphi DCM 7.24" Diesel injection system has been developed.
- The JCB Ecomax Hydradig Excavator model has been updated.
- The ISUZU AMS Excavator model has been updated.
- The "Bosch DCU Dosing Control Unit 17 CV 51" SCR/DPF after-treatment system has been updated.
- The "Delphi DCM 3.3+ Tier 4" Diesel injection system has been updated.

KÄSSBOHRER GELÄNDEFahrzeug

The new Polarnik model has been developed.

KATO IMER

The new Mini excavator model has been developed.

KATO WORKS

- The new HD Series Excavator model has been developed.
- The "Bosch/Denso Common Rail Tier 3 CAN line diagnosis" Diesel injection system has been developed for the Mobile crane SR Series model.

KOBELCO

- The new ISUZU Series 140-160 Tier 2 / Tier 3 Excavator model has been developed.

KOHLER Engine

- The "SCR Exhaust gas treatment" SCR/DPF after-treatment system has been developed.
- The "Kohler" Diesel injection system has been updated.

KUBOTA Engine

- The "Kubota SCR Exhaust gas treatment" SCR/DPF after-treatment system has been updated.
- The "Denso ECU Engine Control Unit" Diesel injection system has been updated.

LEEBOY

- New models have been developed:
- Asphalt paver;
- Motor grader;
- Sweeper.

LIEBHERR

The new DEUTZ Loader model has been developed.

MAFI

The new T Series model has been developed.

MECALAC

- The new PERKINS TA Series Site Dumper model has been developed.

MENZI MUCK

- The new VOLKSWAGEN Dumper model has been developed.

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- The new DEUTZ Spider excavator model has been developed.

MERCEDES-BENZ Engine

- The "Bosch MR PF pump (PLD) 4-cylinder" Diesel injection system has been updated.

MTU Engine

- The new "ADEC (Advanced Diesel Engine Control) ECU 7" Diesel injection system has been developed.
- The "Continental CPC Powertrain Controller" system has been updated.
- The SCR/DPF after-treatment system "Conti Temic ACM Exhaust gas after- treatment" has been updated.

NEW HOLLAND CE

New models have been developed:

- Loader C Series Tier 4 Final;
- Loader C Series Stage V;
- Motor graders F Series Tier 4 Final;
- Loader D Series Stage V.

PAUS

- The new CUMMINS Loader model has been developed.
- The new UNI 50 Series model has been developed.

PERKINS Engine

- The "Perkins DEF Controller" SCR/DPF after-treatment system has been updated.
- The "Perkins ECM Engine Control Module" Diesel injection system has been updated.

SANY

- The new ISUZU Excavator model has been developed.
- The new MITSUBISHI FUSO Excavator model has been developed.

SULLAIR

- The new Air compressor model has been developed.

SCANIA Engine

The "Scania EMS Engine Management System Tier 3 / Tier 4" Diesel injection system has been updated.

SCHÄEFF

New models have been developed:

- DEUTZ Loader;
- YANMAR Loader;
- Loader KUBOTA;
- Excavator DEUTZ.

SHIBAURA Engine

- The "Denso ECM Engine Control Module N4LDI" Diesel injection system has been developed.
- The "Shibaura ECM Engine Control Module N843 / N844" Diesel injection system has been developed.

SOLMEC

- The new Material handler model has been developed.

TAKEUCHI

- The new TLV2 Series Skid steer model has been developed.

TAMROCK

- The new Drill model has been developed.

VÖGELE

- The new Asphalt paver model has been developed.

VOLVO CE

- New models have been developed:
- Asphalt paver Tier 4 Final;
- Compact Loader 5.5 t - 6.1 t
- Skid steers.
- The "Volvo ACM Exhaust gas after-treatment" SCR/DPF after-treatment system has been updated.
- The "Volvo EDC UIS/PDE" Diesel injection system has been updated for the Mini Excavator Tier 4 model.

VOLVO PENTA Engine

The "Volvo ECU Engine Control Unit" Diesel injection system has been updated.

WEIDEMANN

The new KOHLER Loader model has been developed.

XCMG

The new SDEC Loader model has been developed.

YANMAR Engine

The "Yanmar ECU Engine Control Unit" Diesel injection system has been updated.

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BOBCAT

- The new Series T / TL / TR Stage V Telehandler model has been developed.
- The "ECU Engine Control Unit 17 CV 51" Diesel injection system has been updated.

CATERPILLAR

- The new Forklift model has been developed.

CATERPILLAR Engine

- The "Caterpillar" Diesel injection system has been updated.
- The "Caterpillar DEF Controller" SCR/DPF after-treatment system has been updated.

CUMMINS Engine

- The "Cummins J1939 Core 2 - Proprietary protocol" Diesel injection system has been updated.

DEUTZ – FAHR

- The new Telehandler model has been developed.

DEUTZ Engine

- The "Bosch EMR4/EMR5 EDC 17/MD1 Tier 4 / Stage V" Diesel injection system has been updated.
- The "Bosch EMR3 EDC 16" Diesel injection system has been updated.
- The "Liebherr EMR L1" Diesel injection system has been developed.

DOOSAN

- The new Stage V Forklift model has been developed.

DOOSAN Engine

- The "Bosch ECU Engine control unit" Diesel injection system has been updated.
- The "Bosch EDC 7" Diesel injection system has been updated.

FPT Engine

- The "Bosch MD1CE101" Diesel injection system has been developed.
- The "Bosch EDC 7 UC 31 CAN line diagnosis" Diesel injection system has been updated.
- The "Bosch DCU15 Denoxtronic 2" SCR/DPF after-treatment system has been updated.
- The "Bosch EDC 16 C 39" Diesel injection system has been updated.
- The "Bosch EDC 17 CV 41" Diesel injection system has been updated.
- The "Bosch EDC 17 C 49" Diesel injection system has been updated.

HATZ Engine

- The "Hatz ECU Engine Control Unit" Diesel injection system has been developed.

JCB

- The new Articulating boom lift model has been developed.
- The "Delphi DCM 7.24" Diesel injection system has been developed.
- The JCB Dieselmex Stage V 500 series Telehandler model has been updated.

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- The JCB Ecomax 500 series Telehandler model has been updated.

JLG

- The new KUBOTA Boom lift model has been developed.
- The new KUBOTA Scissor lift model has been developed.

KOHLER Engine

- The "SCR Exhaust gas treatment" SCR/DPF after-treatment system has been developed.
- The "Kohler" Diesel injection system has been updated.

KUBOTA Engine

- The "Kubota SCR Exhaust gas treatment" SCR/DPF after-treatment system has been updated.
- The "Denso ECU Engine Control Unit" Diesel injection system has been updated.

LINDE

- The new DOOSAN H Series model has been developed.
- The "DPF Burner control unit" SCR/DPF after-treatment system has been developed for the VOLKSWAGEN H Series model.
- The "Bosch EDC 17 CP 20" Diesel injection system has been developed for the VOLKSWAGEN H Series model.
- The "Instrument panel" system has been updated.

MANITOU

- The "Sauer Danfoss Hydrostatic Transmission" automatic transmission system has been developed for the MERCEDES-BENZ Tier 4 Telehandler model.

MERCEDES-BENZ Engine

- The "Bosch MR PF pump (PLD) 4-cylinder" Diesel injection system has been updated.

MTU Engine

- The "Continental CPC Powertrain Controller" system has been updated.
- The SCR/DPF after-treatment system "Conti Temic ACM Exhaust gas after- treatment" has been updated.

PB

- The new Scissor lift model has been developed.

PERKINS Engine

- The "Perkins DEF Controller" SCR/DPF after-treatment system has been updated.
- The "Perkins ECM Engine Control Module" Diesel injection system has been updated.

SNORKEL

- New models have been developed:
- Boom lift CUMMINS;
- DEUTZ boom lift;
- KUBOTA boom lift;
- Boom lift YANMAR.

TAYLOR

- The new CUMMINS Forklift model has been developed.
- The new VOLVO PENTA Forklift model has been developed.

VOLVO PENTA Engine

- The "Volvo ECU Engine Control Unit" Diesel injection system has been updated

XTREME

- The "ZF Ergo Power EST 37" automatic transmission system has been developed for the XR Series Telehandler model.

YANMAR Engine

- The "Yanmar ECU Engine Control Unit" Diesel injection system has been updated.



WIRING DIAGRAMS

AEBI

New wiring diagrams have been developed for the models:

- MT Series;
- Vario.

ALLISON Transmission

New wiring diagrams have been developed for the automatic transmission system "Allison Generation 5".

ANTONIO CARRARO

New wiring diagrams have been developed for the models:

- KUBOTA tractor;
- YANMAR tractor.

ARBOS

New wiring diagrams have been developed for the model:

- VM tractor.

ATLAS COPCO

New wiring diagrams have been developed for the model:

- Roller-compactors.

ATLAS

New wiring diagrams have been developed for the model:

- Excavator.

ASTECC

New wiring diagrams have been developed for the model:

- Roadtec RX Series;
- Carlson CP Series.

BOBCAT

New wiring diagrams have been developed for the model:

- Excavator E Series;
- Telehandler T / TL / TR Series.

BOMAG

New wiring diagrams have been developed for the model:

- BF Series;
- BM Series;
- BW Series.

CASE CE

New wiring diagrams have been developed for the models:

- Excavator CX Series;

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- Excavator CXD Series;
- Backhoes SM Series;
- Dozer 1150K / 1650L;
- Dozer 550L / 650L / 750L / 850L;
- Dozer M Series;
- Loader E Series;
- Loader F Series.

CASE iH

New wiring diagrams have been developed for the models:

- Farmall A Series;
- Farmall B Series;
- Farmall C Series;
- Farmall CL Series;
- Farmall M Series;
- Farmall N Series;
- Farmall V Series;
- Farmall U Series;
- Combine harvester Axial Flow FPT / Tier 4 Interim;
- Steiger Tier 4 Interim;
- Steiger Tier 4 Final;
- Sugar cane harvester Tier 4;
- Telehandler Farmlift Series Tier 4;
- Titan Series Sprayer Tier 4 Interim.
- Maxxum Series Tier 4 Interim - M.Y. 2011;
- Puma Series Tier 4 Interim - M.Y. 2011.

CATERPILLAR

New wiring diagrams have been developed for the models:

- Asphalt paver;
- Cold planer;
- Bulldozer;
- Dumper;
- Graders;
- Loaders;
- Road reclaimer;
- Telehandler;
- Thresher Lexion;
- Roller-compactors.

CATERPILLAR Engine

New wiring diagrams have been developed for the "Caterpillar" Diesel injection system.

CHALLENGER

New wiring diagrams have been developed for the models:

- MT 700-800 B;
- MT 700-800 C;
- MT 900 C.

CLAAS

New wiring diagrams have been developed for the models:

- Axion 900 Series FPT - Tier 4 Interim (A23);
- Combine harvester Lexion 500 Series;
- Combine harvester Lexion 600 Series;
- Combine harvester Lexion 700 Series;
- Combine harvester Tucano 400 Series;
- Torion Series;
- Xerion Series;
- Telehandler Scorpion Series.

CUMMINS Engine

• New wiring diagrams have been developed for the "Cummins" Diesel injection system.

DEUTZ – FAHR

New wiring diagrams have been developed for the models:

- 5 Series;
- 5D Series (Mother regulation - M.Y. 2018);
- 5DF / 5DS / 5DV TTV Series (Mother regulation - M.Y. 2018);
- 5G Series/FARMotion (Mother regulation - M.Y. 2018);
- 6 Agrottron Series;
- 6G Agrottron Series;
- 6 Agrottron TTV Series;
- 7 Agrottron Series;
- 9 Agrottron Series;
- Telehandler.

DEUTZ Engine

• New wiring diagrams have been developed for the "Liebherr EMR L1" Diesel injection system.

DIECI

New wiring diagrams have been developed for the model:

- Telehandler.

DITCH WITCH

New wiring diagrams have been developed for the model:

- Horizontal drills.

DOOSAN

New wiring diagrams have been developed for the models:

- Excavator DX Series;
- Mini Excavator DX Series.

DYNAPAC

New wiring diagrams have been developed for the model:

- Roller-compactors.

ENERGREEN

New wiring diagrams have been developed for the model:

- ILF Series.

ERO

New wiring diagrams have been developed for the model:

- Grape harvester.

EUROCOMACH

New wiring diagrams have been developed for the models:

- Excavator;
- Mini Excavator;
- Skid steers.

EUROMACH

New wiring diagrams have been developed for the model:

- Spider excavator.

FARESIN

New wiring diagrams have been developed for the model:

- Mixer Wagon Leader;
- Mixer Wagon Pioneer;
- Telehandler FH Series.

FPT Engine

• New wiring diagrams have been developed for the "Bosch EDC 7 UC 31" Diesel injection system.

• New wiring diagrams have been developed for the "Bosch Denoxtronic 2" SCR/ DPF after-treatment system.

FENDT

New wiring diagrams have been developed for the models:

- Vario 300 Series Tier 4 Interim (st 3b);
- Vario 500 Series Tier 4 Interim (st 3b) / Tier 4 Final (S4);
- Vario 700 Series Tier 4 Interim (st 3b) / Tier 4 Final (S4);
- Vario 800 Series Tier 4 Interim (st 3b) / Tier 4 Final (S4);
- Vario 900 Series Tier 4 Interim (st 3b) / Tier 4 Final (S4).

FUCHS

New wiring diagrams have been developed for the model:

- Material handlers

GEHL

New wiring diagrams have been developed for the models:

- Loader;
- Excavator Compact;
- Skid steers.

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GENIE

New wiring diagrams have been developed for the models:

- Boom lift S & SX Series;
- Telehandler.

GREGOIRE

New wiring diagrams have been developed for the model:

- Grape and Olive harvesters.

GRILLO

New wiring diagrams have been developed for the model:

- FD Series.

HAMM

New wiring diagrams have been developed for the models:

- Compactor DV Series;
- Compactor HD Series.

HAULOTTE

New wiring diagrams have been developed for the model:

- Boom lift.

HIDROMEK

New wiring diagrams have been developed for the model:

- Excavator.

HITACHI

New wiring diagrams have been developed for the model:

- Excavator ZX Series 3;
- Excavator ZX Series 5;
- Excavator ZX Series 6;
- Excavator ZX Series 7;
- Loader ZW Series.

HOLDER

New wiring diagrams have been developed for the model:

- X / C / S Series.

HURLIMANN

New wiring diagrams have been developed for the model:

- XA Series (Mother regulation - M.Y. 2018);
- XF / XS / XV V-Drive Series (Mother regulation - M.Y. 2018);
- XB Series/FARMotion (Mother regulation - M.Y. 2018);
- XL Series;
- XM Series.

HYSTER

New wiring diagrams have been developed for the model:

- Forklifts.

HYUNDAI CE

New wiring diagrams have been developed for the model:

- Excavators;
- Mini Excavator.

ISUZU Engine

• New wiring diagrams have been developed for the "SCR Exhaust gas treatment" SCR/DPF after-treatment system.

• New wiring diagrams have been developed for the "Isuzu ECU Engine Control Unit Tier 2 / Tier 3" Diesel injection system.

JCB

New wiring diagrams have been developed for the models:

- Backhoes CX Series;
- Compactor VM Series;
- Dumper;
- Excavator;
- Excavator Compact;
- Forklifts JCB Ecomax;
- Loader 300 Series JCB Dieselmax;
- Loader 400 Series JCB Dieselmax;
- Loader 400 Series JCB Ecomax;
- Loader TM Series JCB Dieselmax;
- Loader TM Series JCB Ecomax;
- Site Dumper JCB Dieselmax;
- Site Dumper JCB Ecomax;
- Skid steers JCB Ecomax;
- Telehandler 500 Series JCB Dieselmax;
- Telehandler 500 Series JCB Ecomax;
- Road rollers JCB Ecomax.

JCB Engine

• New wiring diagrams have been developed for the "Delphi DCM 3.3+" Diesel injection system.

JLG

New wiring diagrams have been developed for the models:

- Boom lift;
- Telehandler.

JOHN DEERE CE

New wiring diagrams have been developed for the models:

- Loader L Series;
- Excavator D Series;
- Excavator G Series;
- Skid steers.

JOHN DEERE

New wiring diagrams have been developed for the models:

- 15xx Series;
- 2R Series;
- 3R Series;
- 4R Series.

JUNGHENRICH

New wiring diagrams have been developed for the model:

- Forklifts.

KAMAZ

New wiring diagrams have been developed for the model:

- T215.

KÄSSBOHRER GELÄNDEFahrZEUG

New wiring diagrams have been developed for the model:

- BeachTech 5500.

KATO WORKS

New wiring diagrams have been developed for the model:

- Crane truck CR Series;
- Excavator HD Series.

KAWASAKI CE

New wiring diagrams have been developed for the model:

- Loader.

KIOTI

New wiring diagrams have been developed for the model:

- PX Series.

KOBELCO

New wiring diagrams have been developed for the models:

- Excavator 10-85 Series;
- Excavator 140-160 Series;
- Excavator 200-850 Series.

KRAMER

New wiring diagrams have been developed for the models:

- Loader;
- Telehandler.

KRONE

New wiring diagrams have been developed for the model:

- Shredder Big X Series LIEBHERR.

KUBOTA

New wiring diagrams have been developed for the model:

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- Excavator;
- Loader;
- M100 Series;
- M4000 Series;
- M5000 Series;
- M6000 Series;
- M7000 Series;
- MGX Series;
- Mxx40 Series;
- Mxx60 Series;
- RTV Series;
- Skid steers RT Series;
- Skid steers SVL Series;
- Telehandler KTH Series.

LAMBORGHINI

New wiring diagrams have been developed for the models:

- Mach Series;
- Nitro Series;
- R6 Series;
- Spark VRT Series;
- Spark Series;
- Spire Series (Mother regulation - M.Y. 2018);
- Spire F / Spire S / Spire V VRT Series (Mother regulation - M.Y. 2018);
- Strike Series (Mother regulation - M.Y. 2018).

LANDINI

New wiring diagrams have been developed for the model:

- 4 Series;
- 5 Series;
- 5H Series;
- 5H Series;
- 6 C Series;
- 6 Series;
- 7 Series;
- 7000-9000 Series;
- Alpine Series;
- Landpower Series;
- PowerFarm Series;
- Powermondial Series;
- Rex Series;
- Trekker Series;
- Vision Series.

LAVERDA

New wiring diagrams have been developed for the model:

- Combine harvester CATERPILLAR.

LIEBHERR

New wiring diagrams have been developed for the model:

- Bulldozer;
- Excavator;
- Loader;
- Telehandler.

LEEBOY

New wiring diagrams have been developed for the model:

- Asphalt paver KUBOTA.

LINDE

New wiring diagrams have been developed for the models:

- H Series VOLKSWAGEN;
- H Series DEUTZ.

LINK-BELT

New wiring diagrams have been developed for the models:

- X2 Series;
- X3 Series;
- X4 Series;

MAGNI

New wiring diagrams have been developed for the models:

- Boom lift;
- Scissor lift;
- Telehandler.

MANITOU

New wiring diagrams have been developed for the models:

- Telehandler.

MASSEY FERGUSON

New wiring diagrams have been developed for the models:

- 54xx Series;
- 57xx S Series;
- 64xx Series;
- 77xx S Series.

McCORMICK

New wiring diagrams have been developed for the models:

- C-Max Series;
- CX Series;
- F Series;
- F-N Series;
- MC Series;
- MTX Series;
- T-Max Series;
- TX4 Series;
- V Series;

- X4 Series;
- X5 Series;
- X6.4 Series;
- X6.4M;
- X7.4 Series;
- X7.6 Series.

MECALAC

New wiring diagrams have been developed for the models:

- Loader;
- Backhoes TLB Series.

MENZI MUCK

New wiring diagrams have been developed for the model:

- Spider excavator.

MERLO

New wiring diagrams have been developed for the models:

- Concrete-mixer DBM Series;
- MMX Series;
- Telehandler MF MULTIFARMER Series;
- Telehandler P Panoramic Series;
- Telehandler ROTO Series;
- Telehandler TF TURBOFARMER Series.

MUSTANG by MANITOU

New wiring diagrams have been developed for the model:

- Skid steers.

PAUS

New wiring diagrams have been developed for the models:

- Loader;
- Dumper;
- Telehandler.

PETTIBONE

New wiring diagrams have been developed for the models:

- Telehandler Extendo Series;
- Telehandler Traverse Series.

PRINOTH

New wiring diagrams have been developed for the model:

- Beast;
- Trooper.

SAME

New wiring diagrams have been developed for the models:

- Audax ST Series;
- Dorado Series (Mother regulation - M.Y. 2018);

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- Explorer Series (Mother regulation - M.Y. 2018);
- Frutteto F / Frutteto S / Frutteto V CVT Series (Mother regulation - M.Y. 2018);
- Fortis Series;
- Rubin Series;
- Virtus Series.

SANY

New wiring diagrams have been developed for the model:

- Excavator.

SCHÄEFF

New wiring diagrams have been developed for the models:

- Loader;
- Excavator.

SENNEBOGEN

New wiring diagrams have been developed for the models:

- Crane truck;
- Excavator.

SNORKEL

New wiring diagrams have been developed for the model:

- Boom lift.

SOLMEC

New wiring diagrams have been developed for the model:

- Material handlers.

SUNWARD

New wiring diagrams have been developed for the model:

- SWE Series.

SPIERINGS MOBILE CRANES

New wiring diagrams have been developed for the model:

- SK 1265 AT6 Euro 6+ (239->);
- SK 2418 R Euro 6+ (010->);
- SK 387 AT3 Euro 6+ (001->);
- SK 597 AT4 Euro 6+ (173->).

TADANO

New wiring diagrams have been developed for the model:

- GR Series.

TAMROCK

New wiring diagrams have been developed for the model:

- Drills.

TAKEUCHI

New wiring diagrams have been developed for the models:

- Excavator TB Series;
- Skid steers TL Series;
- Skid steers TLV2 Series.

TEREX

New wiring diagrams have been developed for the models:

- Loader;
- Excavator;
- Skid steers;
- Site Dumper TA Series
- Backhoes TLB Series.

THWAITES

New wiring diagrams have been developed for the model:

- Dumper.

VERMEER

New wiring diagrams have been developed for the model:

- Horizontal drills.

VÖGELE

New wiring diagrams have been developed for the model:

- Asphalt paver.

VOLVO CE

New wiring diagrams have been developed for the models:

- Compact Loader 5.5 t - 6.1 t
- Compact Loader 6.2 t-9.5 t
- Dumper Tier 4 Final;
- Loader 11 t - 56 t Tier 4 Final;
- Loader 13.1 t - 94 t Tier 4 Final;
- Mini Excavator 1.6 t - 9.9 t
- Backhoes.

WACKER NEUSON

New wiring diagrams have been developed for the models:

- Loader;
- Dumper;
- Excavator;
- Telehandler.

WEIDEMANN

New wiring diagrams have been developed for the models:

- Loader;
- Telehandler.

WIRTGEN

New wiring diagrams have been developed for the models:

- Planer;
- Scraper and stabilizer;
- Scraper;

XTREME

New wiring diagrams have been developed for the model:

- Telehandler XR Series.

YANMAR

New wiring diagrams have been developed for the models:

- Loader;
- Excavator B7 Series;
- Excavator B75W / B95W / B110W Series;
- Excavator SV Series;
- Excavator ViO Series.

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Coverage

Consulting a wiring diagram

The interaction (diagnosis link) with the wiring diagrams has been improved and new technical sheets have been associated in the following models:

AEBI

- MT Series;
- Vario.

ANTONIO CARRARO

- Tractor KUBOTA.
- YANMAR tractor.

ARBOS

- VM tractor.

ATLAS COPCO

- Roller-compactors.

ATLAS

- Excavator.

ASTECC

- Roadtec RX Series;
- Carlson CP Series.

BOBCAT

- Excavator E Series;
- Telehandler T / TL / TR Series.

BOMAG

- BF Series;
- BM Series;
- BW Series.

CASE CE

- Excavator CX Series;
- Excavator CXD Series;
- Backhoes SM Series;
- Dozer 1150K / 1650L;
- Dozer 550L / 650L / 750L / 850L;
- Dozer M Series;
- Loader E Series;
- Loader F Series.

CASE iH

- Farmall A Series;
- Farmall B Series;
- Farmall C Series;
- Farmall CL Series;
- Farmall M Series;
- Farmall N Series;
- Farmall V Series;
- Farmall U Series;
- Combine harvester Axial Flow FPT / Tier 4 Interim;
- Steiger Tier 4 Interim;
- Steiger Tier 4 Final;
- Sugar cane harvester Tier 4;
- Telehandler Farmlift Series Tier 4;
- Sprayer Titan Series Tier 4 Interim.
- Maxxum Series Tier 4 Interim - M.Y. 2011;
- Puma Series Tier 4 Interim - M.Y. 2011.

CATERPILLAR

- Asphalt paver;
- Cold planer;
- Bulldozer;
- Dumper;
- Graders;
- Loaders;
- Road reclaimer;
- Telehandler;
- Thresher Lexion;
- Roller-compactors.

CHALLENGER

- MT 700-800 B;
- MT 700-800 C;
- MT 900 C.

CLAAS

- Axion 900 Series FPT - Tier 4 Interim (A23)
- Combine harvester Lexion 500 Series;
- Combine harvester Lexion 600 Series;
- Combine harvester Lexion 700 Series;
- Combine harvester Tucano 400 Series;
- Torion Series.

- Xerion Series.
- Telehandler Scorpion Series

DEUTZ – FAHR

- 5 Series;
- 5D Series (Mother regulation - M.Y. 2018);
- 5DF / 5DS / 5DV TTV Series (Mother regulation - M.Y. 2018);
- 5G Series FARMotion (Mother regulation - M.Y. 2018);
- 6 Agrottron Series;
- 6G Agrottron Series;
- 6 Agrottron TTV Series;
- 7 Agrottron Series;
- 9 Agrottron Series;
- Telehandler.

DIECI

- Telehandler.

DITCH WITCH

- Horizontal drills.

DOOSAN

- Excavator DX Series;
- Mini Excavator DX Series.

DYNAPAC

- Roller-compactors.

ENERGREEN

- ILF Series.

EUROCOMACH

- Excavator;
- Mini Excavator;
- Skid steers.

EUROMACH

- Spider excavator.

FARESIN

- Mixer Wagon Leader;
- Mixer Wagon Pioneer;
- Telehandler FH Series.

FENDT

- Vario 300 Series Tier 4 Interim (st 3b);
- Vario 500 Series Tier 4 Interim (st 3b) / Tier 4 Final (S4);
- Vario 700 Series Tier 4 Interim (st 3b) / Tier 4 Final (S4);
- Vario 800 Series Tier 4 Interim (st 3b) / Tier 4 Final (S4);

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- Vario 900 Series Tier 4 Interim (st 3b) / Tier 4 Final (S4).

FUCHS

- Material handlers.

GEHL

- Loader;
- Excavator Compact;
- Skid steers.

GENIE

- Boom lift S & SX Series;
- Telehandler.

GREGOIRE

- Grape and Olive harvesters.

GRILLO

- FD Series.

HAMM

- Compactor DV Series;
- Compactor HD Series.

HAULOTTE

- Boom lift.

HIDROMEK

- Excavator.

HITACHI

- Excavator ZX Series 3;
- Excavator ZX Series 5;
- Excavator ZX Series 6;
- Excavator ZX Series 7;
- Loader ZW Series.

HOLDER

- X / C / S Series.

HURLIMANN

- XA Series (Mother regulation - M.Y. 2018);
- XF / XS / XV V-Drive Series (Mother regulation - M.Y. 2018);
- XB Series (Mother regulation - M.Y. 2018);
- XL Series;
- XM Series.

HYSTER

- Forklifts.

HYUNDAI CE

- Excavators;
- Mini Excavator.

JCB

- Backhoes CX Series;
- Compactor VM Series;
- Dumper;
- Excavator;
- Excavator Compact;
- Forklifts JCB Ecomax;
- Loader 300 Series JCB Dieselmax;
- Loader 400 Series JCB Dieselmax;
- Loader 400 Series JCB Ecomax;
- Loader TM Series JCB Dieselmax;
- Loader TM Series JCB Ecomax;
- Site Dumper JCB Dieselmax;
- Site Dumper JCB Ecomax;
- Skid steers JCB Ecomax;
- Telehandler 500 Series JCB Dieselmax;
- Telehandler 500 Series JCB Ecomax;
- Road rollers JCB Ecomax.

JLG

- Boom lift;
- Telehandler.

JOHN DEERE CE

- Loader L Series;
- Excavator D Series;
- Excavator G Series;
- Skid steers.

JOHN DEERE

- 15xx Series;
- 2R Series;
- 3R Series;
- 4R Series.

JUNGHENRICH

- Forklifts.

KAMAZ

- T215.

KÄSSBOHRER GELÄNDEFahrzeug

- BeachTech 5500.

KATO WORKS

- Crane truck CR Series;
- Excavator HD Series.

KAWASAKI CE

- Loader.

KIOTI

- PX Series.

KOBELCO

- Excavator 10-85 Series
- Excavator 140-160 Series;
- Excavator 200-850 Series.

KRAMER

- Loader;
- Telehandler.

KRONE

- Shredder Big X Series LIEBHERR.

KUBOTA

- Excavator;
- Loader;
- M100 Series;
- M4000 Series;
- M5000 Series;
- M6000 Series;
- M7000 Series;
- MGX Series;
- Mxx40 Series;
- Mxx60 Series;
- RTV Series;
- Skid steers RT Series;
- Skid steers SVL Series;
- Telehandler KTH Series.

LAMBORGHINI

- Mach Series;
- Nitro Series;
- R6 Series;
- Spark VRT Series;
- Spark Series;
- Spire Series (Mother regulation - M.Y. 2018);
- Spire F / Spire S / Spire V VRT Series (Mother regulation - M.Y. 2018);

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- Strike Series (Mother regulation - M.Y. 2018).

LANDINI

- 4 Series;
- 5 Series;
- 5H Series;
- 6 C Series;
- 6 Series;
- 7 Series;
- 7000-9000 Series;
- Alpine Series;
- Landpower Series;
- PowerFarm Series;
- Powermondial Series;
- Rex Series;
- Trekker Series;
- Vision Series.

LAVERDA

- Combine harvester CATERPILLAR.

LIEBHERR

- Bulldozer;
- Excavator;
- Loader;
- Telehandler.

LEEBOY

- Asphalt paver KUBOTA.

LINDE

- H Series VOLKSWAGEN;
- H Series DEUTZ.

LINK-BELT

- X2 Series;
- X3 Series;
- X4 Series;

MAGNI

- Boom lift;
- Scissor lift;
- Scissor lift;

MANITOU

- Telehandler.

MASSEY FERGUSON

- 54xx Series;

- 57xx S Series;
- 64xx Series;
- 77xx S Series.

McCORMICK

- C-Max Series;
- CX Series;
- F Series;
- F-N Series;
- MC Series;
- MTX Series;
- T-Max Series;
- TX4 Series;
- V Series;
- X4 Series;
- X5 Series;
- X6.4 Series;
- X6.4M;
- X7.4 Series;
- X7.6 Series.

MECALAC

- Loader;
- Backhoes TLB Series.

MENZI MUCK

- Spider excavator.

MERLO

- Concrete-mixer DBM Series;
- MMX Series;
- Telehandler MF MULTIFARMER Series;
- Telehandler P Panoramic Series;
- Telehandler ROTO Series;
- Telehandler TF TURBOFARMER Series.

MUSTANG by MANITOU

- Skid steers.

PAUS

- Loader;
- Dumper;
- Telehandler.

PETTIBONE

- Telehandler Extendo Series;
- Telehandler Traverse Series.

PRINOTH

- Beast;
- Trooper.

SAME

- Audax ST Series;
- Dorado Series (Mother regulation - M.Y. 2018);
- Explorer Series (Mother regulation - M.Y. 2018);
- Frutteto F / Frutteto S / Frutteto V CVT Series (Mother regulation - M.Y. 2018);
- Fortis Series;
- Rubin Series;
- Virtus Series.

SANY

- Excavator.

SCHÄEFF

- Loader;
- Excavator.

SENNEBOGEN

- Crane truck;
- Excavator.

SNORKEL

- Boom lift.

SOLMEC

- Material handlers.

SUNWARD

- SWE Series.

SPIERINGS MOBILE CRANES

- SK 1265 AT6 / Euro 6+ (239->);
- SK 2418 R / Euro 6+ (010->);
- SK 387 AT3 / Euro 6+ (001->);
- SK 597 AT4 / Euro 6+ (173->).

TADANO

- GR Series.

TAMROCK

- Drills.

TAKEUCHI

- Excavator TB Series;
- Skid steers TL Series;

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- Skid steers TLV2 Series.

TEREX

- Loader;
- Excavator;
- Skid steers;
- Site Dumper TA Series;
- Backhoes TLB Series.

THWAITES

- Dumper.

VERMEER

- Horizontal drills.

VÖGELE

- Asphalt paver.

VOLVO CE

- Compact Loader 5.5 t - 6.1 t
- Compact Loader 6.2 t-9.5 t
- Dumper Tier 4 Final;
- Loader 11 t - 56 t Tier 4 Final;
- Loader 13.1 t - 94 t Tier 4 Final;
- Mini Excavator 1.6 t - 9.9 t;
- Backhoes.

WACKER NEUSON

- Loader;
- Dumper;
- Excavator;
- Telehandler.

WEIDEMANN

- Loader;
- Telehandler.

WIRTGEN

- Planer;
- Scraper and stabilizer;
- Scraper;

XTREME

- Telehandler XR Series.

YANMAR

- Loader;
- Excavator B7 Series;
- Excavator B75W / B95W / B110W Series;
- Excavator SV Series;
- Excavator ViO Series.



Dashboard

A new type of dashboard with interactive buttons and components has been developed.

ALLISON Transmission

New dashboards have been developed for all the vehicles with the automatic transmission system "Allison Generation 5".

CASE iH

New dashboards have been developed for the model:

- Puma Series.

New dashboards have been developed for the "Bosch MD1CS069" Diesel injection system.

CLAAS

New dashboards have been developed for the models:

- Axion 800 Series FPT - Tier 4 (A40-A41);
- Axion 800 Series FPT - Stage V (A50-A51);
- Axion 900 Series FPT - Tier 4 Interim (A23);
- Axion 900 Series FPT - Tier 4 Final (A44).

New dashboards have been developed for the "Claas CMatic" automatic transmission system.

CUMMINS Engine

• New dashboards have been developed for all the vehicles with the "Cummins" Diesel injection system.

DEUTZ Engine

• New dashboards have been developed for the "Bosch EMR4/EMR5 EDC 17/MD1 Tier 4 / Stage V" Diesel injection system.

DOOSAN Engine

• New dashboards have been developed for the "ECU Engine Control Unit 17 C 87" Diesel injection system.

• New dashboards have been developed for the "Bosch EDC 7" Diesel injection system.

FENDT

New dashboards have been developed for the model:

- 200 Vario.

FPT Engine

• New dashboards have been developed for the "Bosch EDC 7 UC 31 Diagnosis in CAN line" Diesel injection system.

• New dashboards have been developed for the "Bosch Denoxtronic 2" SCR after- treatment system.

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- New dashboards have been developed for the "Bosch EDC 17 CV 41" Diesel injection system.
- New dashboards have been developed for the "Bosch EDC 17 C 49" Diesel injection system.
- New dashboards have been developed for the "Bosch MD1CE101" Diesel injection system.
- New dashboards have been developed for the "Bosch EDC 17 CV 41" Diesel injection system.

HATZ

New dashboards have been developed for the "Hatz ECU Engine Control Unit" Diesel injection system.

ISOBUS

New TGS3 dashboards have been developed.

ISUZU Engine

- New dashboards have been developed for the "Isuzu ECU Engine Control Unit Tier 4/ Stage V" Diesel injection system.
- New dashboards have been developed for the "SCR Exhaust gas treatment" SCR/DPF after-treatment system.

JCB

New dashboards have been developed for the models:

- Telehandler 500 Series JCB Dieselmax Stage V;
- Excavator JCB Ecomax Hydradig model.

New dashboards have been developed for the "DCM 3.3+ Tier 4" Diesel injection system.

JLG

- New dashboards have been developed for the "Vehicle hydraulics management" hydraulic management system.
- New dashboards have been developed for the "Aerial platform management" hydraulic management system.

KUBOTA Engine

- New dashboards have been developed for the "ECU Engine Control Unit Tier 3 Stage V" Diesel injection system.
- New dashboards have been developed for the "SCR Exhaust gas treatment Tier 4 Final" SCR/DPF after-treatment system.

LIEBHERR Engine

New dashboards have been developed for the "Liebherr ECU2-HD" Diesel injection system.

LINDE

- New dashboards have been developed for the "DPF Burner control unit" SCR/ DPF after-treatment system.
- New dashboards have been developed for the "Bosch EDC 17 CP 20" Diesel injection system.

MASSEY FERGUSON

New dashboards have been developed for the models:

- 77xx S Series;
- 57xx S Series;
- 57xx SL Series.

MERCEDES-BENZ Engine

New dashboards have been developed for the "MR PF pump (PLD)" Diesel injection system.

MITSUBISHI Engine

New dashboards have been developed for all the vehicles with the "Mitsubishi Common Rail" Diesel injection system.

MTU Engine

- New dashboards have been developed for the "MCM Motor Control Module" Diesel injection system.
- New dashboards have been developed for the "ACM After-treatment Control Module" SCR/DPF after-treatment system.

MWM Engine

New dashboards have been developed for the "Bosch EDC 7C1" Diesel injection system.

NEW HOLLAND

New dashboards have been developed for the models:

- T6 Series;
- T7 Series.

SANY

- New dashboards have been developed for the "Mitsubishi ECU Engine Control Unit" Diesel injection system.

SCANIA Engine

- New dashboards have been developed for the "Scania EMS Engine Management System" Diesel injection system.

SISU Engine

- New dashboards have been developed for the "Sisu EEM4 Engine control unit" Diesel injection system.

VALTRA

- New dashboards have been developed for the "TC Transmission module" automatic transmission system.

VM Engine

- New dashboards have been developed for the "Bosch EDC 17 Tier 4" Diesel injection system.

VOLVO CE

- New TGS3 dashboards have been developed for the models:

- Loader 11 t - 56 t;
- Compact Loader 5.5 t - 6.1 t
- Compact Loader 6.2 t-9.5 t
- Dumper;
- Excavator 13.1 t - 94 t;
- Mini Excavator 1.6 t - 9.9 t;
- Backhoes.

- New dashboards have been developed for the "Volvo EDC UIS/PDE" Diesel injection system.
- New dashboards have been developed for the "Volvo Engine management" Diesel injection system.

- New dashboards have been developed for the "ACM After-treatment Control Module" SCR/DPF after-treatment system.

YANMAR Engine

New dashboards have been developed for the "Yanmar ECU Engine Control Unit" Diesel injection system.

ZF

- New dashboards have been developed for the "Ergo Power EST 37" automatic transmission system.

- New dashboards have been developed for the "ZF Ecomat 2 EST 46/47" automatic transmission system.

- New dashboards have been developed for the "ZF Ecomat 4 EST 146/147" automatic transmission system.

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AEBI

AGRICULTURE TRAILER
ANTONIO CARRARO
ARBOS

BCS

BELARUS
BUHLER VERSATILE
CARRARO

CASE IH

CATERPILLAR
CHALLENGER

CLAAS

DEUTZ - FAHR

ENERGREEN
ERO

FARESIN

FENDT

FERRARI

FRANZ KLEINE
GREGOIRE

GRILLO

GRIMME

HOLDER

HOLMER

HORSCH

HURLIMANN

ISOBUS

JACTO

JCB

JOHN DEERE

KAMAZ

KÄRCHER

KIOTI

KOMATSU FOREST

KRONE

KUBOTA

LAMBORGHINI

LANDINI

LAVERDA

LINDNER

LS MTRON

MAC DON

MASSEY FERGUSON

McCORMICK

MERLO

MILLER

NEW HOLLAND

PASQUALI

PONSSE

RENAULT AGRICULTURE

ROPA

ROSTSELMASH

SAME

STARA

STEYR

TORO

URSUS

VALTRA

VOLENTIERI PELLENC

CONSTRUCTION VEHICLE

AEBI

ASTEC

ASTRA

ATLAS

ATLAS COPCO

BELL

BOBCAT

BOMAG

CARRARO

CASE CE

CATERPILLAR

CVS FERRARI

DITCH WITCH

DOOSAN

DYNAPAC

ELAZ

EUROCOMACH

EUROMACH

FANTUZZI

FUCHS

GEHL

GIANT

GENIE

GROVE

HAMM

HANSA

HIDROMEK

HITACHI

HYDREMA

HYUNDAI CE

ITURRI

JCB

JLG

JOHN DEERE CE

KALMAR

KÄSSBOHRER GELÄNDEFahrZEUG

KATO IMER

KATO WORKS

KAWASAKI CE

KOBELCO

KOMATSU

KRAMER

KUBOTA

LEEBOY

LIEBHERR

LINK-BELT

LIUGONG

MAFI

MECALAC

MENZI MUCK

MERLO

MOW

MUSTANG BY MANITOU

NEW HOLLAND CE

O&K

OSHKOSH

OVERAASEN

PAUS

PERLINI

PRINOTH

RANDON

ROSENBAUER

SANDVIK

SANY

SCHÄEFF

SENNEBOGEN

SOLMEC

SPIERINGS MOBILE CRANES

SUNWARD

TADANO

TAKEUCHI

TAMROCK

TERBERG

TEREX/DEMAG

THWAITES

TIGERCAT

VERMEER

VÖGELE

VOLVO CE

WACKER NEUSON

WEIDEMANN

WIRTGEN

XCMG

YANMAR

FORKLIFTS & TELEHANDLERS

BOBCAT
CASE CE
CASE iH
CATERPILLAR
CLAAS
COMETTO
DEUTZ - FAHR
DIECI
DOOSAN
FARESIN
GEHL
GENIE
GIANT
HAULOTTE
HELI
HYSTER
HYUNDAI
JCB
JLG
JOHN DEERE CE
JUNGHEINRICH
KALMAR
KONECRANES
KRAMER
KUBOTA
LANDINI
LIEBHERR
LINDE
MAGNI
MANITOU
MASSEY FERGUSON
McCORMICK
MERLO
NEW HOLLAND
OTO
PAUS
PB
PETTIBONE
SENNEBOGEN
SNORKEL
TAYLOR
UPLIFTING
WACKER NEUSON
WEIDEMANN
XTREME
YALE

INDUSTRIAL ENGINES

AGCO SISU POWER
ATLAS COPCO
CATERPILLAR
CUMMINS
DETROIT
DEUTZ
DOOSAN
FPT
HATZ
ISUZU
JCB
JOHN DEERE
KOHLER POWER SYSTEMS
KUBOTA
LIEBHERR
MAN ENGINES
MERCEDES-BENZ
MTU
MWM
PERKINS
SCANIA
SHIBAURA
SULLAIR
SISU
VM MOTORI
VOLVO PENTA
YANMAR

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Brands that offer updates in this version

WARNING

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