



Bosch ESI[truck] Heavy Duty Truck Software Update Version 2024/3 Jul 2024

www.boschdiagnostics.com

Welcome

In version 2024/3, 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.

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

If you are interested in even more of the details behind all the great improvements, please visit www.boschdiagnostics.com, 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.

Windows 7 O/S Support Has Ended

Effective with this release, ***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.

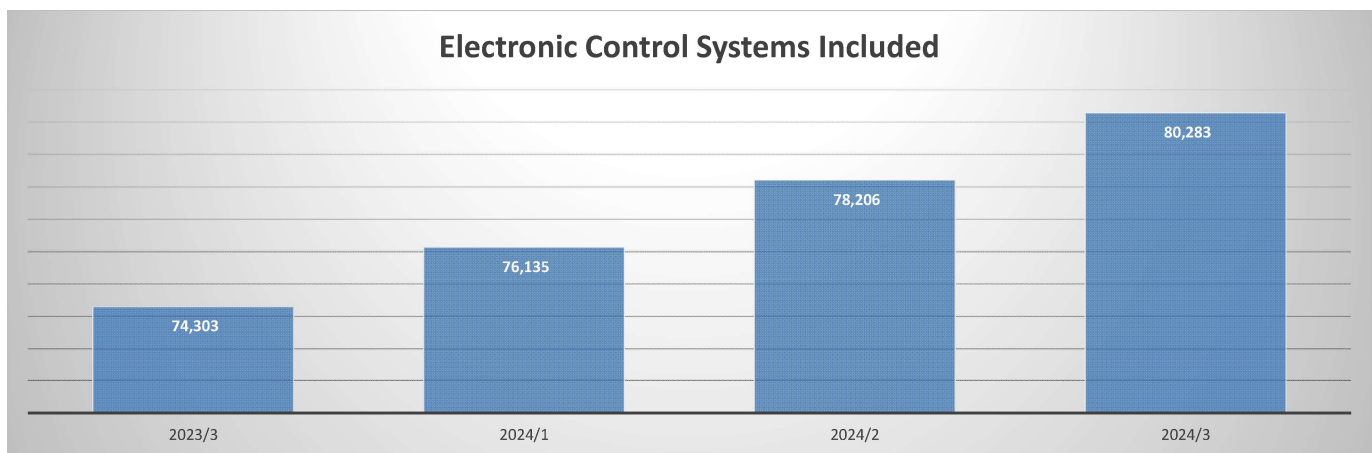
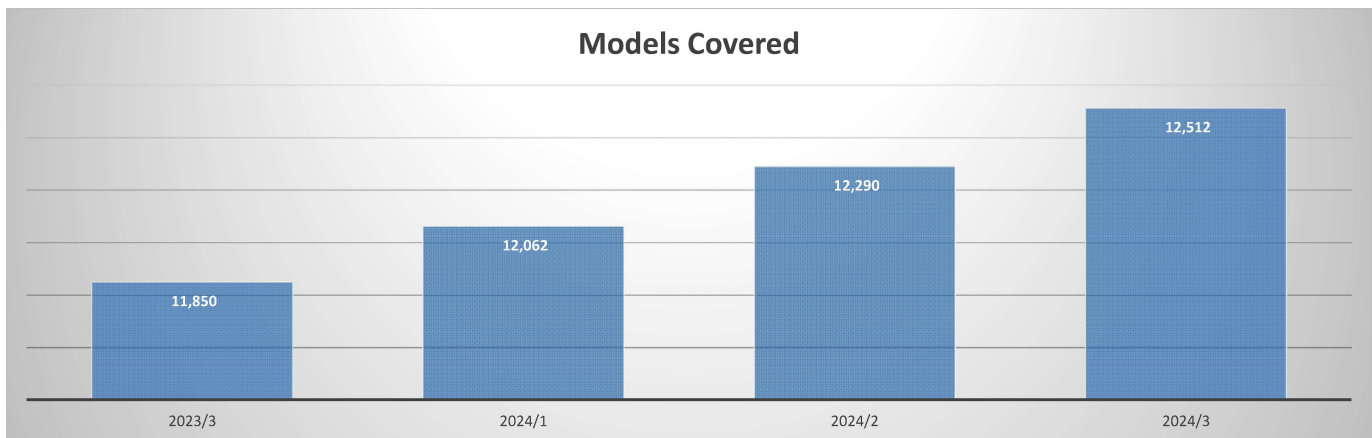
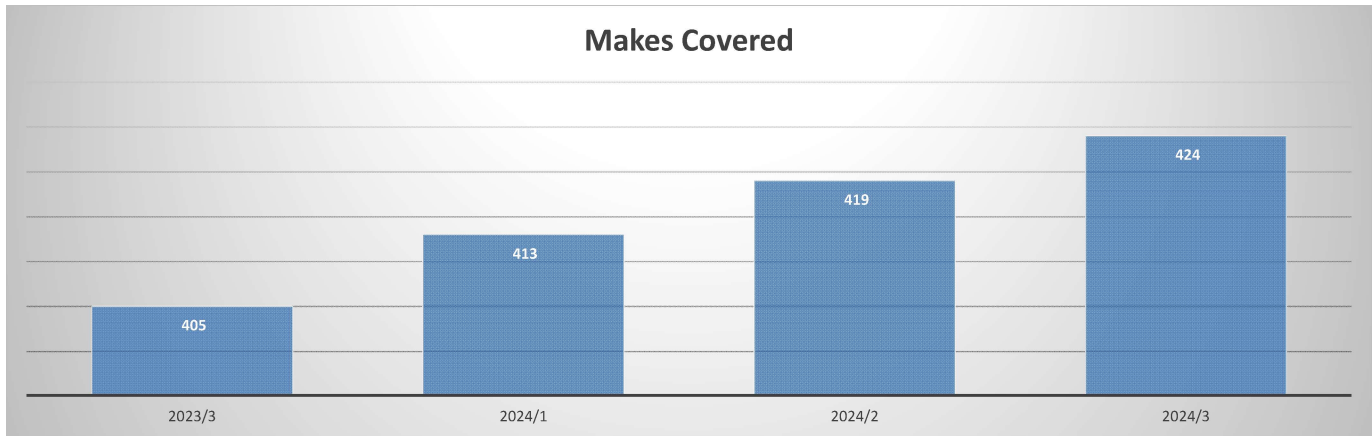
New Windows 10 tablets are available from Bosch. Please visit the following website for up-to-date information, along with answers to questions you may have:

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

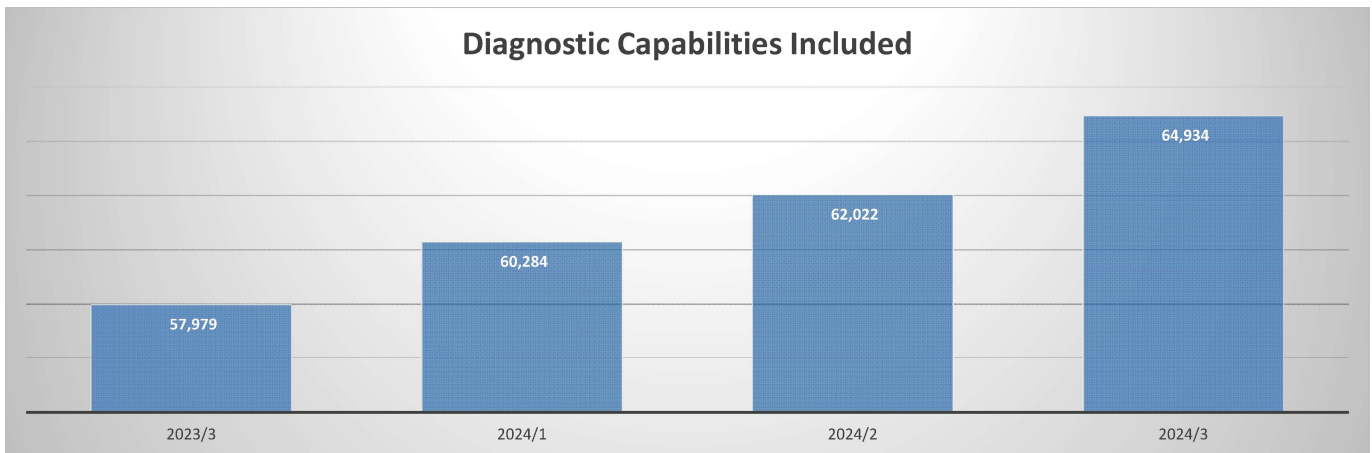
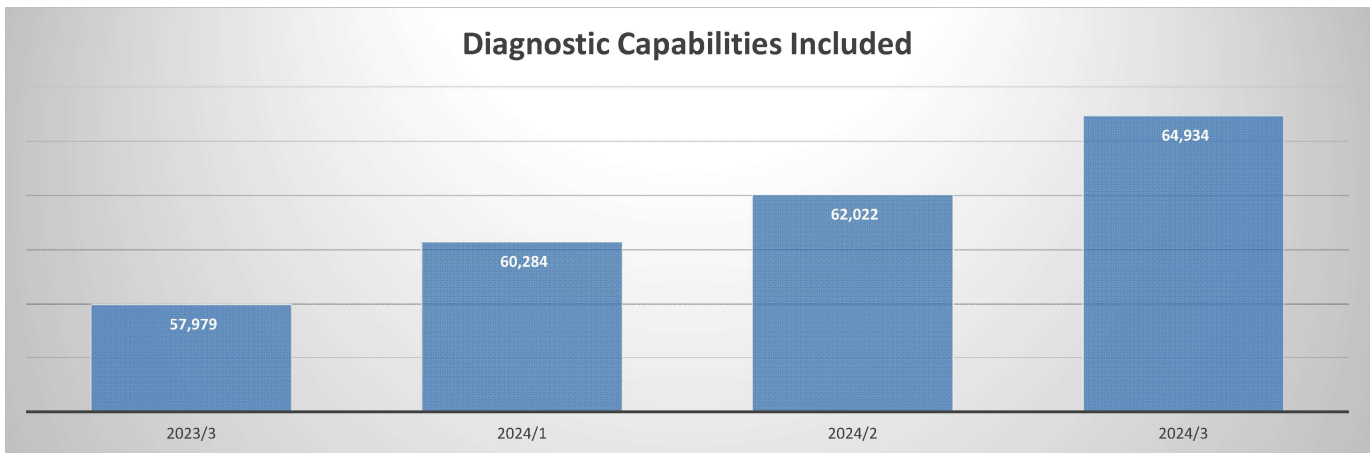
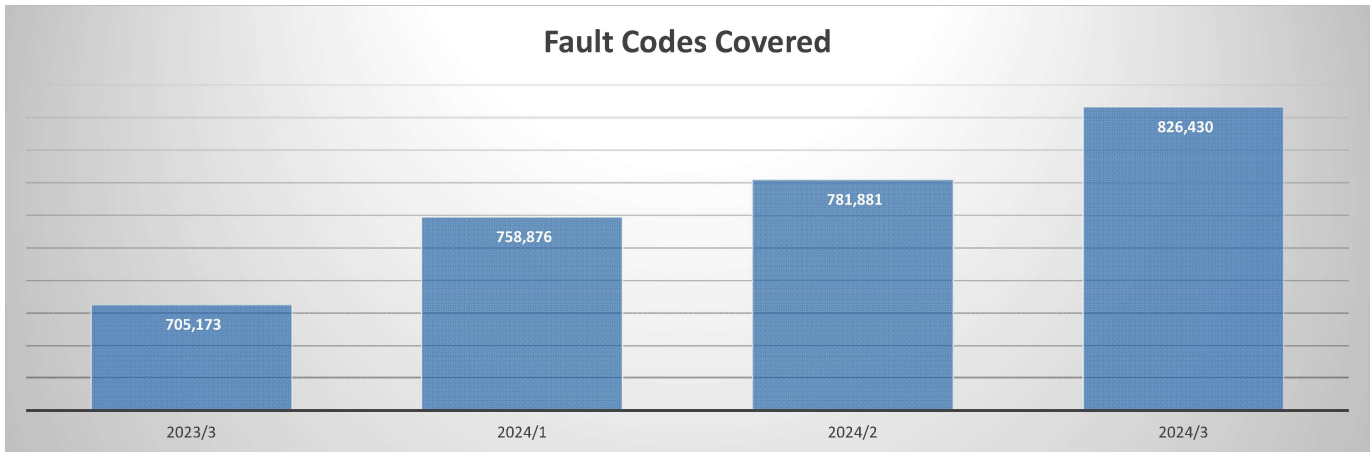
Please contact your distributor or Bosch support team if you have any questions.

Expanding Coverage

- 5 New Makes
- 222 New Models
- 2077 New Electronic Control Systems
- 2912 New Diagnostics Capabilities
- 260 New Wiring Diagrams
- 44549 New Fault Codes



Expanding Coverage (continued)



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

- New ISV CM3230 engine control system including wiring diagrams, DPF regeneration, system checks to verify the DEF pump, cylinder cut-out, among others.
- Intermittent connection test of switches and sensors in all CUMMINS systems.
 - GHG 21 engine systems:
- B4.5/B6.7, L9 X12 & X15 CM2450 engine control system, bi-directional tests such as engine state monitor test, air handling performance test, etc.
 - GHG 17 engine systems:
- B4.5/B6.7, L9 X12 & X15 CM2350 engine control system, regeneration of the soot particle sensor, NOx sensor test at the aftertreatment system outlet, injector coding, vehicle and customer data parameters and enhanced System Display.
- QSB4.5/6.7, QSF3.8 CM2350 engine control system, engine state monitor and fuel consumption monitor reset.
- ISB5.9, ISG10.5/11.8 CM2880 engine control system, system checks to verify DEF heaters and setup for dynamometer.
- F2.5/2.8/3.8/4.5 CM2620 engine control system, bi-directional tests and service routines to check DPF and high sulphury fuel history.
- Vehicle technical data and procedures such as the valve lash adjustment, DEF circuit cleaning, fuel filter, fuel pump and air filter replacement for F2.5/2.8/3.8/4.5 CM2620 engines.
- Procedures such oil filter & injectors replacement for X12/X15 CM2350/CM2450 engines.

INTERNATIONAL

- Updated coverage for HV Series including new HV509, HV515, HV609, HV615 models.

NAVISTAR

- Procedures such oil filter & injectors replacement for N13 GHG14/17 engines.

VOLVO & MACK

- US13-GHG21 vehicles: TECU transmission, enhanced technical data.

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

- HATTAT

New models

- BASAK
 - 5075
 - 5095
 - 5105
 - 5115
- HÜRLIMANN
 - XLK Series
- KUBOTA
 - M6U Series
 - M5002 Series
 - M6002 Series
- NEW HOLLAND
 - TS Series
 - CR Series, engine: Tier 5/Stage V
- HOLMER
 - Terra Variant 650
- SGARIBOLDI
 - Combi Series
 - Grizzly Series
 - Gulliver Series
 - Koala Series
 - MAV Series
 - Titanium Series

These are just some of the most 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.

Overall, there are new technical information and troubleshooting guides by symptoms and of the most common fault codes in the workshop thanks to the communication channels.

New repair guides in the EDC MD1 CS069 engine control system of the FPT brand, present in several models of tractor and implement brands such as CNH, JOHN DEERE, LANDINI, MCCORMICK or PELLENC, among others like extended DTC lookup coverage in several models of different brands such as CASE IH, JOHN DEERE or NEW HOLLAND.

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

ARBOS

- TCU transmission, actuations and calibrations for 5100, 5115, 5130, 7220, 7240 and 7260 models.

CASE IH

- New powertrain system for the power take-off in the Maxxum MX Series.
- New SFA suspension control system in the Maxxum MX Series.
- ADIC instrument cluster, parameter setting for the Farmall C Series model, engine: Tier 5/Stage V.
- FPT EDC MD1 CE101 engine control system, new engine types for Puma Series - 18/19x6 Full Power Shift (Armrest) models, engine: Tier 5/Stage V, Puma Series - 18/19x6 Semi Power Shift, engine: Tier 5/Stage V, among others.
- Wiring diagram configurations in the SISU EDC 7 UC31 engine control system for the Axial-Flow 7010/8010/9010 Series model.

CLAAS

- Wiring diagram configurations in the FPT EDC MD1 CE101 engine control system for the Axion 9X0 (A64) model, engine: Tier 5/Stage V.
- MAN EDC 17 CV42, engine control system, inducement counter reset and fault code clearance of the exhaust gas aftertreatment system for Lexion Series C8x models.

DEUTZ-FAHR

- MVCU central computer, parameter setting of the power take-off, the rear lift and the axle management system (ASM) for 5G Series, 6C and 6C TTV Series models.

FENDT

- MAN EDC 17 CV42 engine control system, inducement counter reset and fault code clearance of the exhaust gas aftertreatment system for 1000 Vario Series models, engine: Final Tier 4/Stage IV, 1100 Vario MT Series, engine: Final Tier 4/Stage IV and 1100 Vario MT Series, engine: Tier 5/Stage V.
- MAN EDC 17 Master/Slave CV42 engine control system, checks of the AdBlue/DEF pump, the AdBlue/DEF pressure sensor and the temperature sensor of the oxidation catalyst for the IDEAL Series model.

JOHN DEERE

- New SBJ, SBK, SBL, SBM and SBN hydraulic systems for the 6R Series model that include functions of parameter setting.
- New AIC (MY22) armrest control system for 7R and 9R Series models.
- New ATC (MY22) climate control system for 7R and 9R Series models.
- HCU hydraulic system, rear lift calibration for the 5003 E Series model.
- SFA suspension system, technical release of the front suspension calibration for the 5R Series model.
- New PTP transmission in the 7000 Series model.
- New CAB electronic module and HMM harvest system in T500 and T600 Series models.
- Wiring diagram configurations in the ECU EDC Level 33 engine control system for T500 and T600 Series models, and in ECU EDC Level 9 and ECU EDC Level 22 engine control systems for the 7000 Series model.
- New wiring diagrams in the EDC Yanmar engine control system in 1575, 1580, 8700A, 9009A and Z997R models, among others.

KUBOTA

- New ARU armrest control system for the M6002 Series model that includes the multifunction lever calibration.
- New TCU-PST transmission for the M6002 Series model that includes technical releases of the calibrations of the accelerator pedal, the main clutch and the clutch pressure control solenoid valve.

MASSEY FERGUSON

- Autotronic 5 – TECU system, cab suspension calibration for 6600 and 7600 Series models.
- SRC14-34 central computer, calibrations of the “senstronic” torque sensor and the front lift for 6700 S, 7700 S and 8700 S Series models.

McCORMICK

- FPT EDC MD1 CE101 engine control system, injector reset for X7.6 P6-Drive Series models, engine: Tier 5/Stage V and X7.6 VT-Drive Series, engine: Tier 5/Stage V.

NEW HOLLAND

- New EDC hydraulic system for the TS Series model.
- New 24x24 and 16x16 transmission systems for the TS Series model.
- Wiring diagram configurations of the TCM/CVT transmission for T6 Series - Auto Command Tier 5/Stage V and T7 Series - Auto Command Tier 5/Stage V models.
- FPT EDC MD1 CE101 engine control system, new engine types for T7 Series - 18/19x6 Power Command (Armrest) models, engine: Tier 5/Stage V, T7 Series - 18/19x6 Range Command (Armrest), engine: Tier 5/Stage V and T7 Series - Auto Command, engine: Tier 5/Stage V.
- LCP lighting system in 7000 Series models, engine: Tier 5/Stage V, 8000 Series, engine: Tier 5/Stage V, 9000 Series, engine: Tier 5/Stage V, CR Series, engine: Tier 5/Stage V and CX Series, engine: Tier 5/Stage V.

PELLENC

- FPT EDC MD1 CS069 engine control system, actuations of the throttle valve, the EGR valve, the AdBlue/DEF system heaters and the warning lamps for the Buggy Maxi 5000 S model.

STEYR

- Wiring diagram configurations in the 4WD drive system and the ADIC instrument cluster for the Profi 4115-6145 - CVT Final Tier 4/Stage IV TMR model.

Construction Vehicles Additional Coverage

Some of the new models and brands are listed below.

- New brands
 - PONSSE
 - GLOBAL ENVIRONMENTAL
- New models in the following brands DOOSAN, KHOLER, LIEBHERR (6 new models), MECALAC (15 new models and 4 new families) and RAVO.

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.

It is important to note the development of new advanced actions such as the exhaust gas aftertreatment system checks in the DieselMax 448 engine control system in JCB STAGE V engines. This system is available in STATIONARY ENGINE and other brands such as BUCHER. Furthermore, Advanced actions have been developed in the actuations, checks and service menus for the ECU3 (on UDS) engine control system of LIEBHERR.

Finally, extended diagnostics coverage for engine control systems in DEUTZ STAGE V engines in the models of the multi-purpose vehicle HANSA brand.

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

AMMANN

- EMR5 EDC MD1 (on SAE J1939) engine control system, new checks.

CATERPILLAR

- C-27 / C-32 (on SAE J1939) engine control system, injector parameters.
- C-18 (on SAE J1939) engine control system, injector parameters and check of the errors in CAN communication lines.
- MCM (on SAE J1939) central computer for D Series, calibrations of the implement control valves and automatic calibrations.

- New EHCU hydraulic system for 400 Series (on SAE J1939).
- New SCM steering control system for 400 Series (on SAE J939).

DEUTZ

- EMR5 EDC MD1 (on SAE J1939) engine control system, checks of the air filter restriction switch and the engine protection.
- EMR4 EDC17 CV52 (on SAE J1939) engine control system, EGR system test, EGR valve reset.

HYDREMA

- 1104D, (on SAE J1939) engine control system, accelerator parameters.

HITACHI

- New wiring diagram configurations in 4HK1 / 4JJ1 (on J1939) systems for ZX100W-7 Series, ZX200-7 Series, ZX100-6 Series and ZX100-5 Series.

JCB

- DIESELMAX 448 (on J1939) engine control system for Stage V engines.

KOMATSU

- New wiring diagram configurations in the PUM (on SAE J1939) hydraulic system in PC 80-100 Series.

KUBOTA

- EControls ECM 4G (on SAE J1939) engine control system, actuations, checks and maintenance services.

LIEBHERR

- LIDEC1 (on RS232) engine control system, new checks and maintenance services.
- ECU3 (on UDS) engine control system, new advanced actions in actuations and checks; reset of the long-lasting fault code memory.

PERKINS

- 1204F / 1206F (on SAE J1939) engine control system, check of the errors in CAN communication lines.
- 904J (on SAE J1939) engine control system, maintenance for the AdBlue/DEF module cleaning.

WACKER NEUSON

- New IC instrument cluster for (on SAE J1939) compact wheel loaders.
- VCU central computer for (on SAE J1939) compact excavators, implement and machine settings.

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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